

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000811.D
 Acq On : 27 Nov 2019 11:38
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:26 AM

Quant Time: Nov 27 12:13:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:00:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	332501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	581584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	521790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	246313	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	174718	51.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.78%	
35) Dibromofluoromethane	7.73	113	165171	48.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.80%	
50) Toluene-d8	10.18	98	692746	53.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.64%	
62) 4-Bromofluorobenzene	12.48	95	241979	49.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	179547	54.363	ug/l	100
3) Chloromethane	2.12	50	222703	49.536	ug/l	100
4) Vinyl Chloride	2.26	62	220403	52.287	ug/l	100
5) Bromomethane	2.65	94	132898	52.035	ug/l	100
6) Chloroethane	2.79	64	139393	52.546	ug/l	100
7) Trichlorofluoromethane	3.13	101	302915	52.875	ug/l	100
8) Diethyl Ether	3.54	74	116339	56.441	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	187901	53.895	ug/l	100
10) Methyl Iodide	4.10	142	244468	59.211	ug/l	100
11) Tert butyl alcohol	4.97	59	96648	277.574	ug/l	100
12) 1,1-Dichloroethene	3.88	96	184522	54.928	ug/l	100
13) Acrolein	3.74	56	86094	285.938	ug/l	100
14) Allyl chloride	4.49	41	330052	59.044	ug/l	100
15) Acrylonitrile	5.18	53	308427	289.593	ug/l	100
16) Acetone	3.96	43	207054	226.611	ug/l	100
17) Carbon Disulfide	4.20	76	608182	56.565	ug/l	100
18) Methyl Acetate	4.49	43	173392	56.538	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	527134	55.736	ug/l	100
20) Methylene Chloride	4.72	84	214177	51.540	ug/l	100
21) trans-1,2-Dichloroethene	5.23	96	212476	55.424	ug/l	100
22) Diisopropyl ether	6.13	45	682751	56.670	ug/l	100
23) Vinyl Acetate	6.07	43	2167931	284.999	ug/l	100
24) 1,1-Dichloroethane	6.04	63	371717	56.777	ug/l	100
25) 2-Butanone	7.00	43	423831	275.899	ug/l	100
26) 2,2-Dichloropropane	7.00	77	304957	51.778	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	233155	55.551	ug/l	100
28) Bromochloromethane	7.35	49	137075	54.408	ug/l	100
29) Tetrahydrofuran	7.36	42	272376	285.323	ug/l	100
30) Chloroform	7.52	83	356538	54.385	ug/l	100
31) Cyclohexane	7.80	56	380103	55.508	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	301217	52.105	ug/l	100
36) 1,1-Dichloropropene	7.93	75	293167	52.555	ug/l	100
37) Ethyl Acetate	7.09	43	178381	53.382	ug/l	100
38) Carbon Tetrachloride	7.91	117	265100	50.105	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	390631	54.207	ug/l	100
40) Benzene	8.17	78	872697	53.319	ug/l	100
41) Methacrylonitrile	7.33	41	89650m	48.698	ug/l	
42) 1,2-Dichloroethane	8.25	62	231996	50.623	ug/l	100
43) Isopropyl Acetate	8.28	43	340981	54.371	ug/l	100
44) Trichloroethene	8.94	130	223121	51.889	ug/l	100
45) 1,2-Dichloropropane	9.22	63	223212	55.034	ug/l	100
46) Dibromomethane	9.31	93	117672	53.171	ug/l	100
47) Bromodichloromethane	9.50	83	276277	52.936	ug/l	100
48) Methyl methacrylate	9.30	41	156478	56.608	ug/l	100
49) 1,4-Dioxane	9.30	88	35440	1168.848	ug/l	100
51) 4-Methyl-2-Pentanone	10.07	43	895889	270.377	ug/l	100
52) Toluene	10.25	92	547747	53.048	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	305142	54.565	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	349513	54.346	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	172475	53.772	ug/l	100
56) Ethyl methacrylate	10.51	69	262970	57.514	ug/l	100
57) 1,3-Dichloropropane	10.79	76	303870	54.173	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	470011	237.012	ug/l	100
59) 2-Hexanone	10.83	43	695561	286.700	ug/l	100
60) Dibromochloromethane	10.99	129	190349	52.348	ug/l	100
61) 1,2-Dibromoethane	11.09	107	167418	54.427	ug/l	100
64) Tetrachloroethene	10.72	164	230253	52.767	ug/l	100
65) Chlorobenzene	11.52	112	564290	52.710	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	193275	52.475	ug/l	100
67) Ethyl Benzene	11.59	91	1049509	53.411	ug/l	100
68) m/p-Xylenes	11.70	106	789211	104.504	ug/l	100
69) o-Xylene	12.03	106	370537	51.953	ug/l	100
70) Styrene	12.04	104	645292	52.951	ug/l	100
71) Bromoform	12.20	173	113779	53.648	ug/l	# 100
73) Isopropylbenzene	12.33	105	1003823	54.108	ug/l	100
74) N-amyl acetate	12.14	43	294624	55.428	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	209035	56.243	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	144731m	52.305	ug/l	
77) Bromobenzene	12.61	156	221676	52.845	ug/l	100
78) n-propylbenzene	12.67	91	1231140	54.916	ug/l	100
79) 2-Chlorotoluene	12.75	91	673274	54.117	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	832742	54.060	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	80884	61.845	ug/l	100
82) 4-Chlorotoluene	12.85	91	691217	53.825	ug/l	100
83) tert-Butylbenzene	13.07	119	706198	53.752	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	836335	54.602	ug/l	100
85) sec-Butylbenzene	13.25	105	1015838	54.340	ug/l	100
86) p-Isopropyltoluene	13.37	119	891861	53.606	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	423193	51.856	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	427285	52.348	ug/l	100
89) n-Butylbenzene	13.69	91	900332	54.671	ug/l	100
90) Hexachloroethane	13.96	117	169395	54.878	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	388936	52.486	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	34954	53.660	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	262589	51.811	ug/l	100
94) Hexachlorobutadiene	15.11	225	126989	49.499	ug/l	100
95) Naphthalene	15.23	128	628268	55.281	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	232473	51.523	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

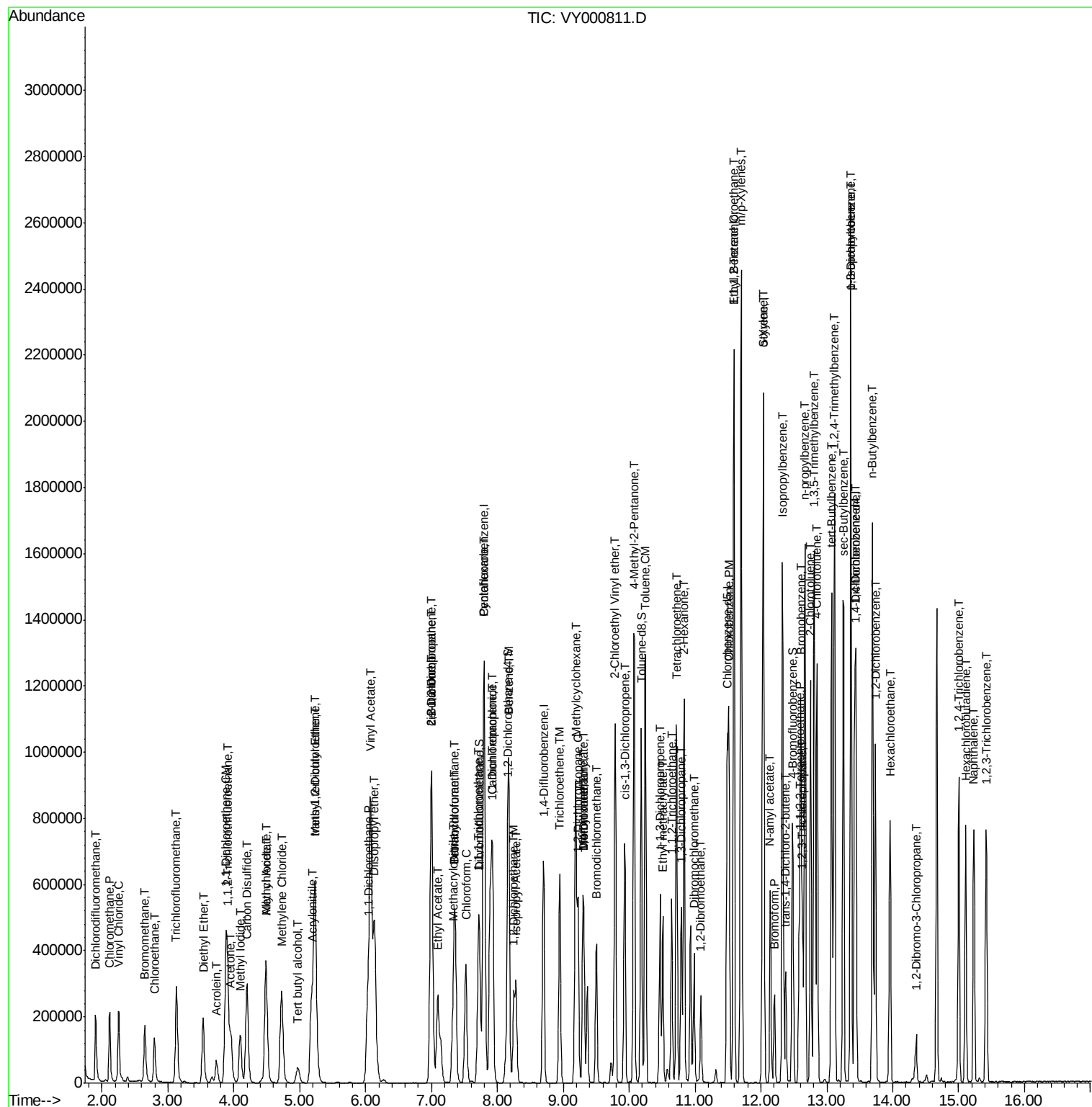
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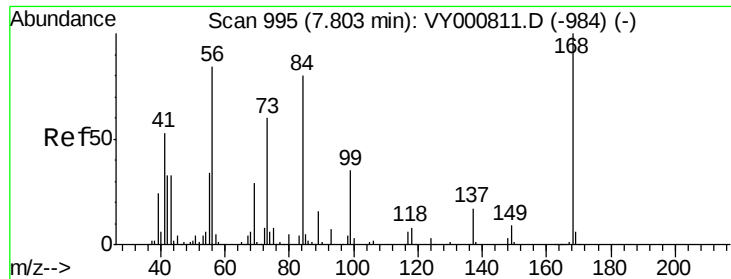
Instrument :
 MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 332501

Ion Ratio Lower Upper

168 100

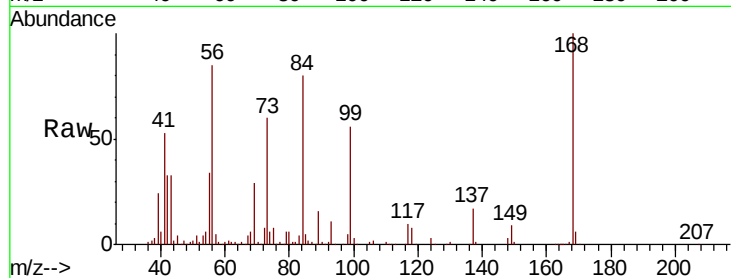
99 56.3 45.0 67.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)

7.80

150000

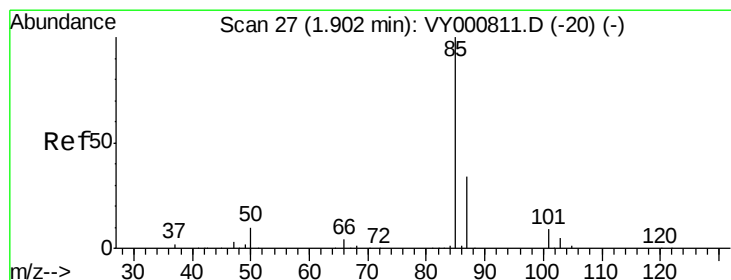
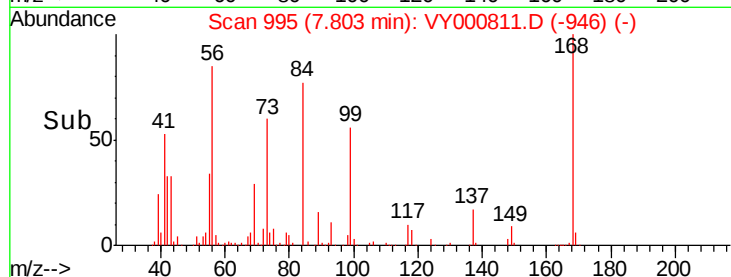
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50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 54.363 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000811.D

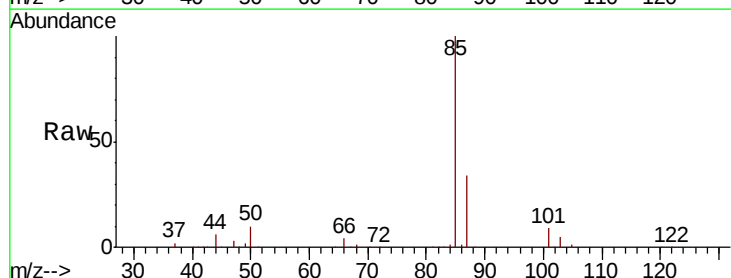
Acq: 27 Nov 2019 11:38

Tgt Ion: 85 Resp: 179547

Ion Ratio Lower Upper

85 100

87 33.5 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VY000811.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000811.D (-20) (-)

1.90

120000

100000

80000

60000

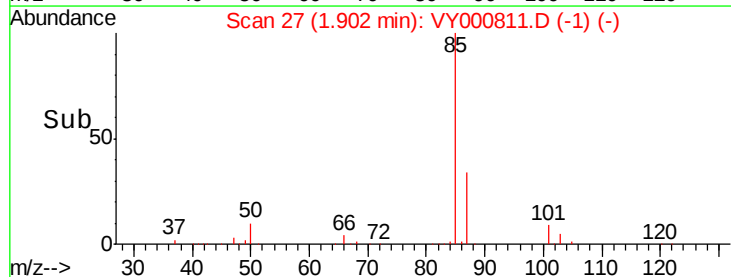
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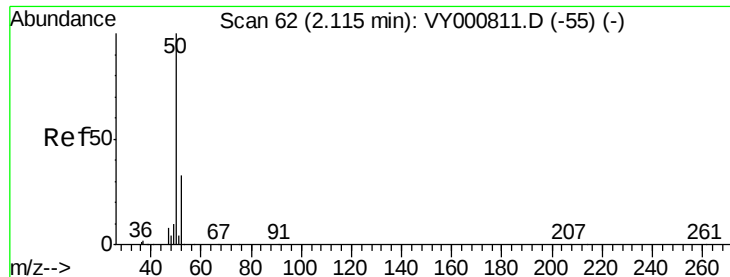
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0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 49.536 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 222703

Ion Ratio Lower Upper

50 100

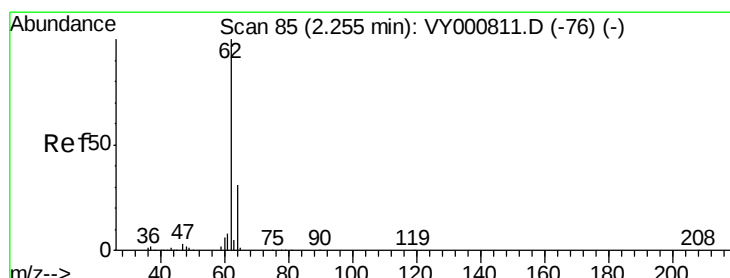
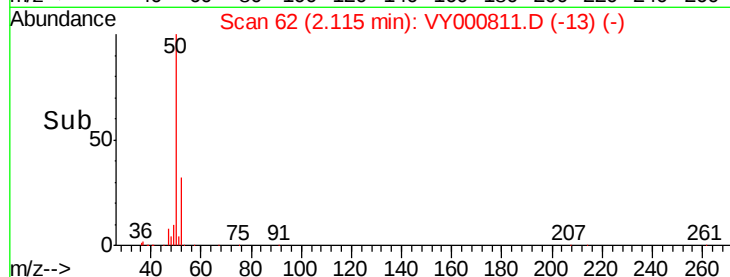
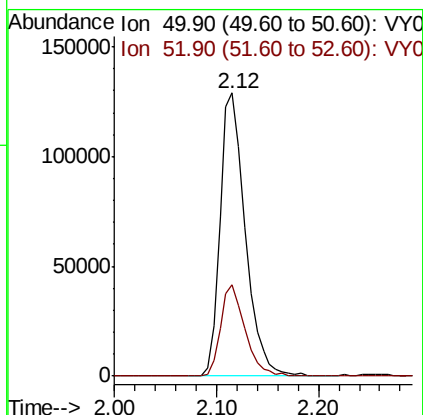
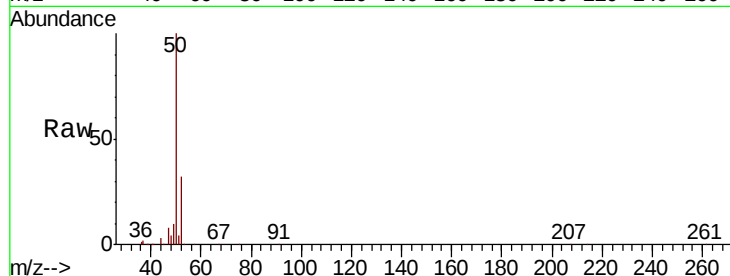
52 32.5 26.0 39.0

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#4

Vinyl Chloride

Concen: 52.287 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY000811.D

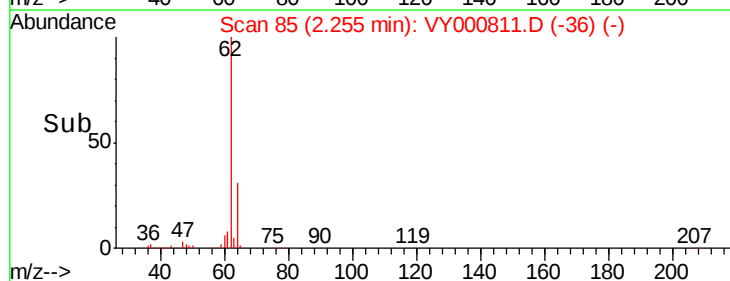
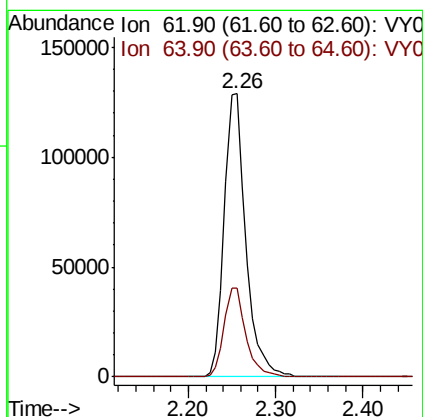
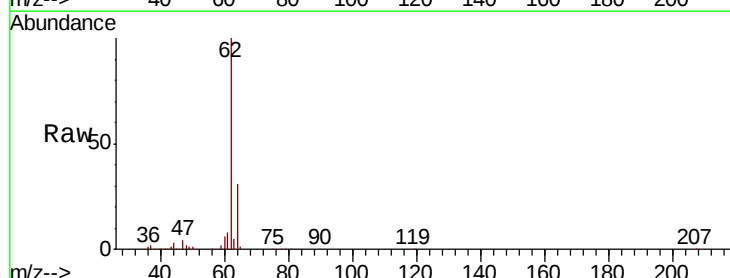
Acq: 27 Nov 2019 11:38

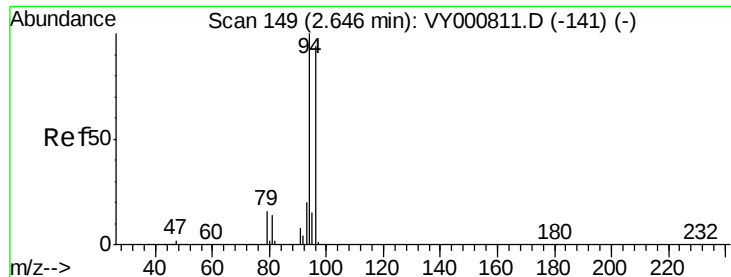
Tgt Ion: 62 Resp: 220403

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 52.035 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 132898

Ion Ratio Lower Upper

94 100

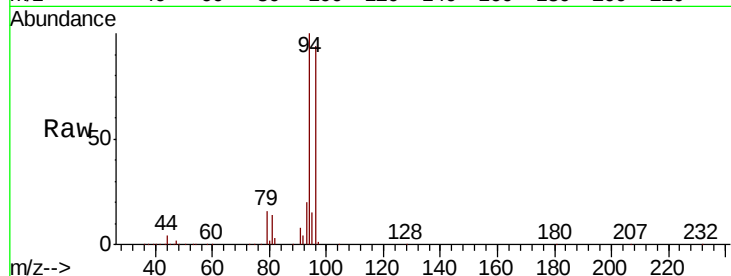
96 94.0 75.2 112.8

Manual Integrations

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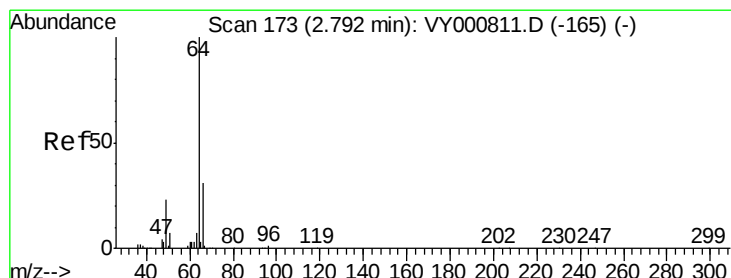
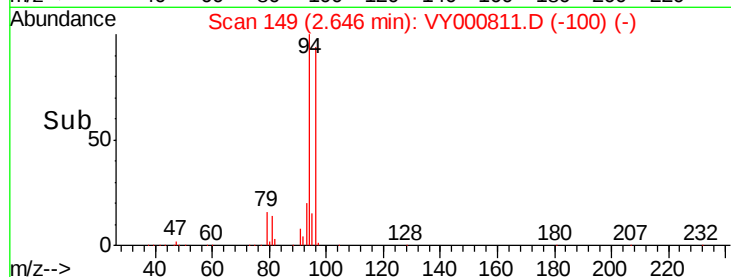
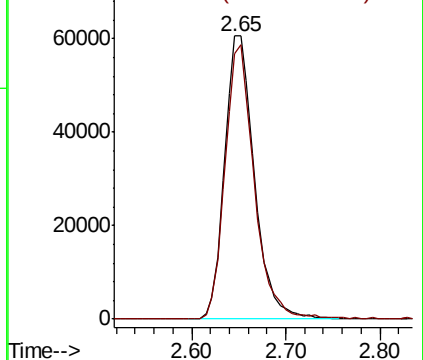
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 52.546 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY000811.D

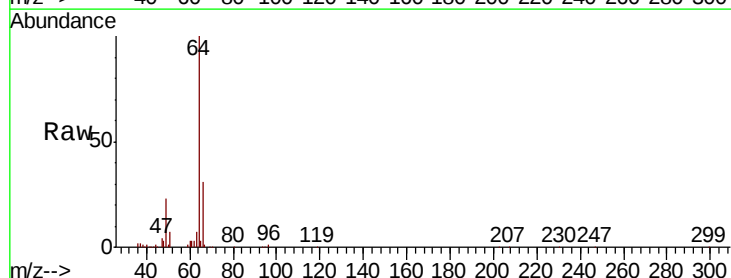
Acq: 27 Nov 2019 11:38

Tgt Ion: 64 Resp: 139393

Ion Ratio Lower Upper

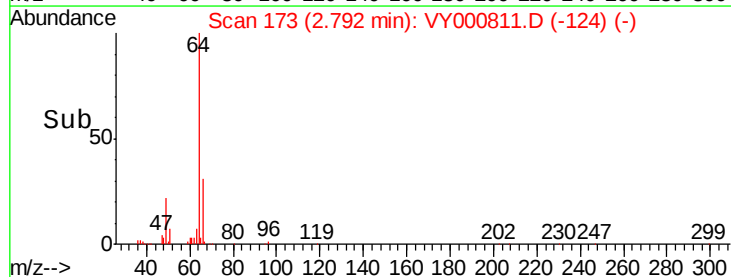
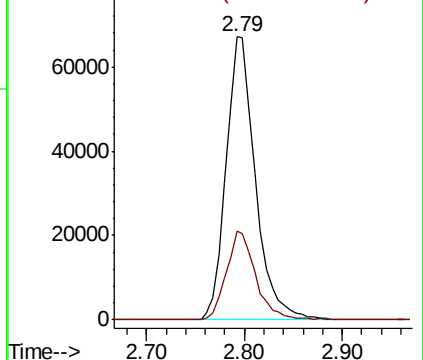
64 100

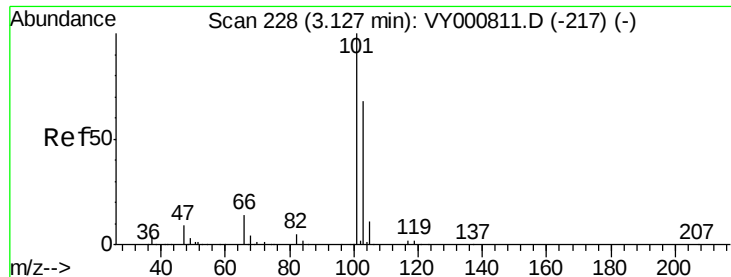
66 31.2 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

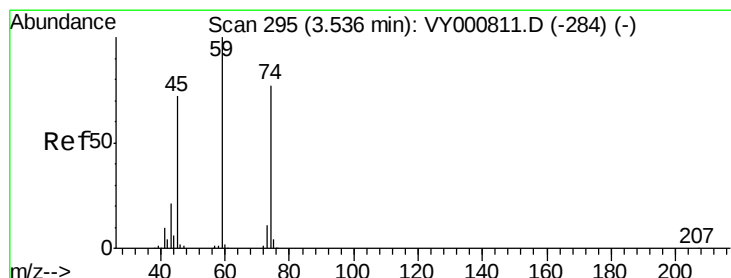
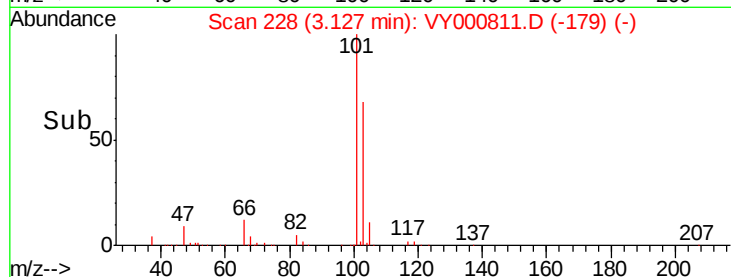
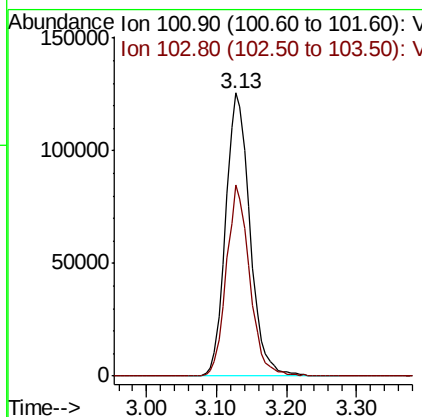
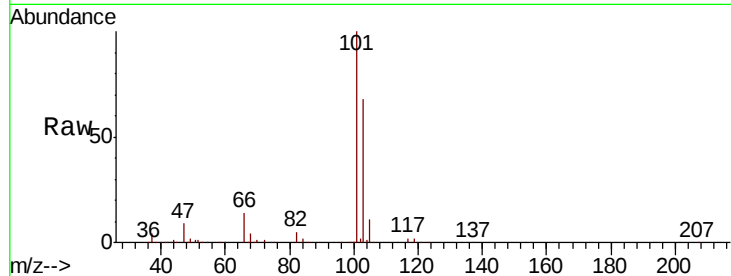
Trichlorofluoromethane
 Concen: 52.875 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY000811.D
 Acq: 27 Nov 2019 11:38

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	302915		
103	67.7	54.2	81.2	

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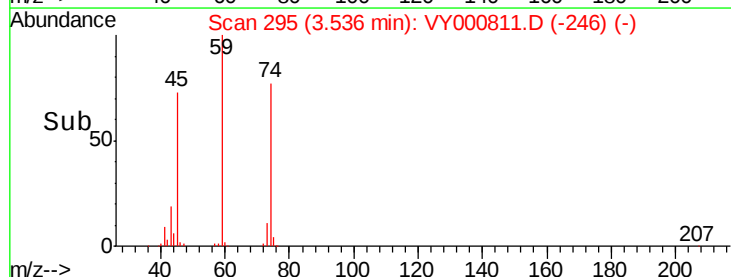
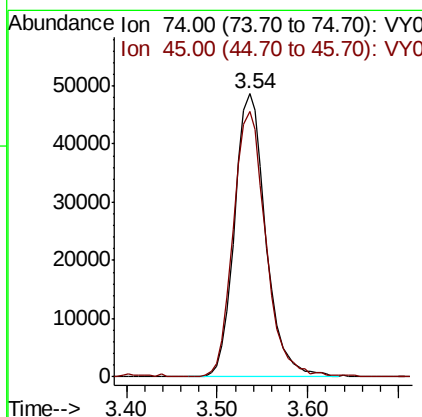
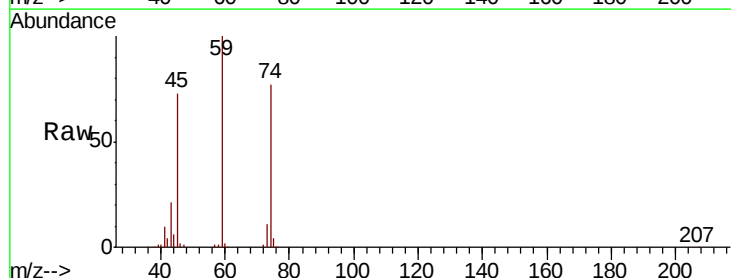
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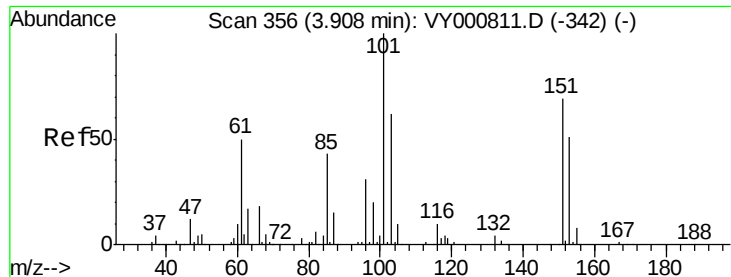


#8

Diethyl Ether
 Concen: 56.441 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VY000811.D
 Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	116339		
45	98.0	49.0	147.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.895 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

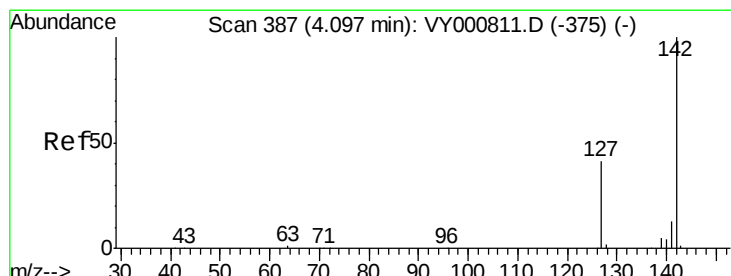
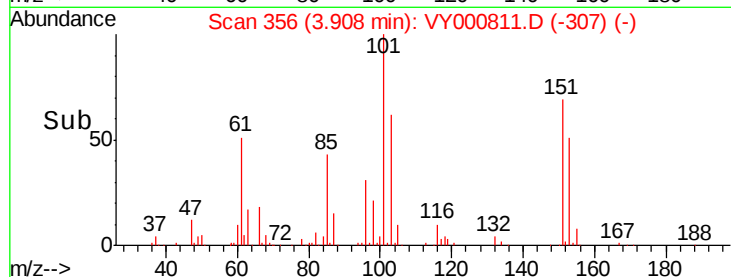
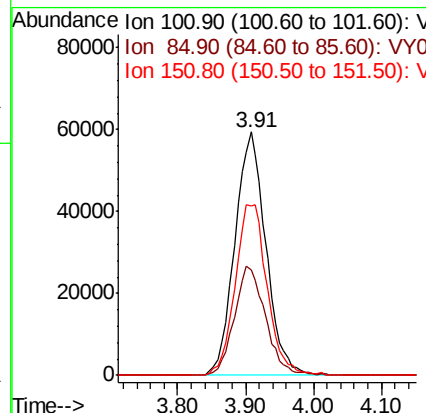
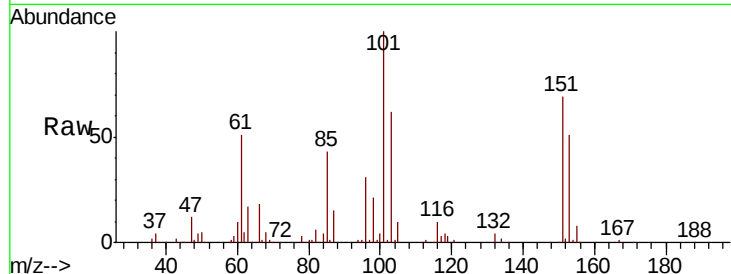
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	187901
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.0	54.0
151	72.7	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 59.211 ug/l

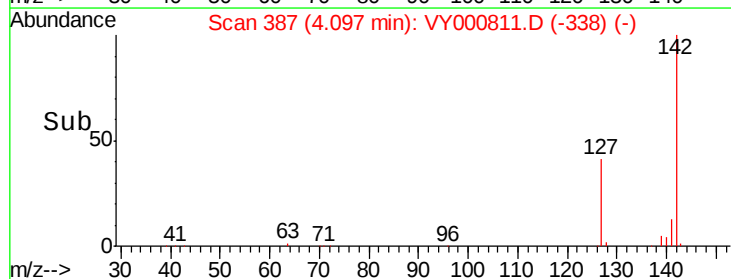
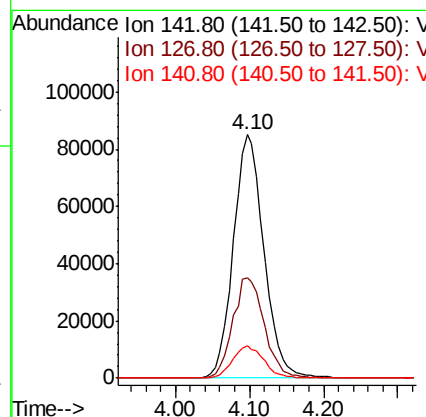
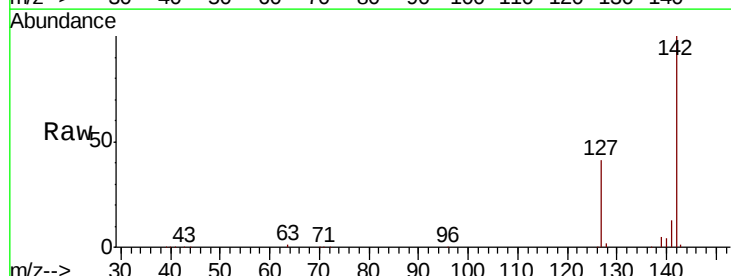
RT: 4.10 min Scan# 387

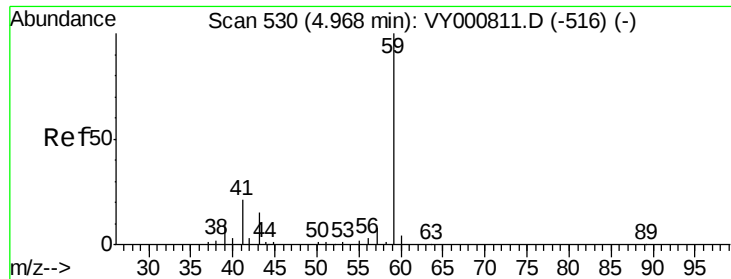
Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Tgt Ion:	142	Resp:	244468
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.8	50.8
141	13.6	10.9	16.3





#11

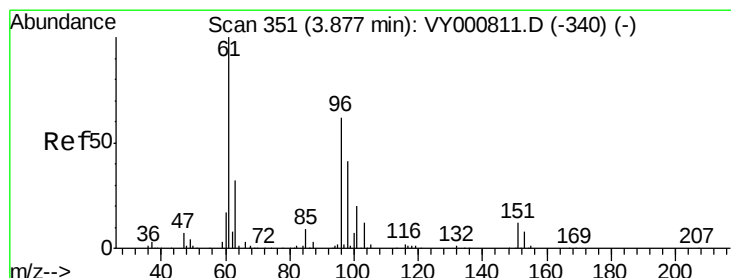
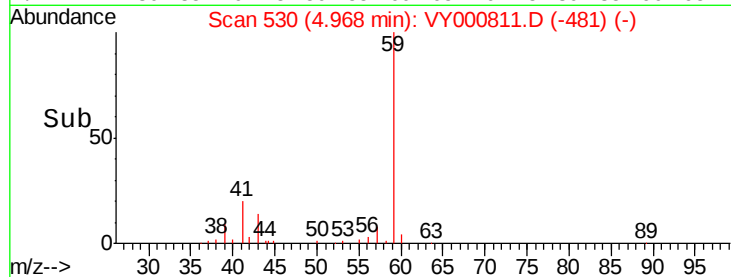
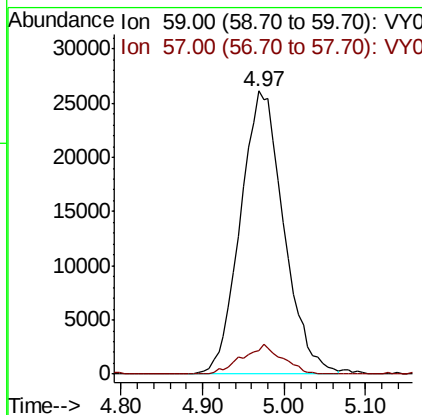
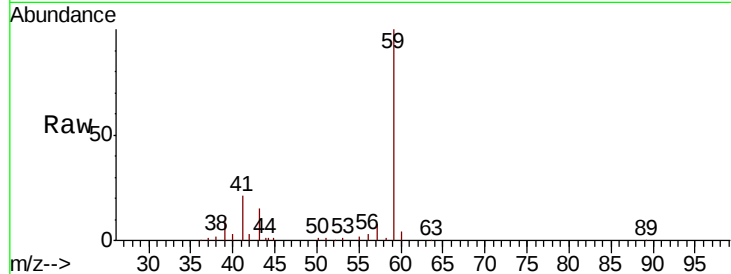
Tert butyl alcohol
Concen: 277.574 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.6

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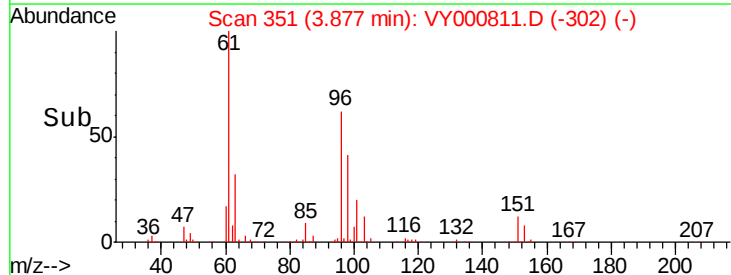
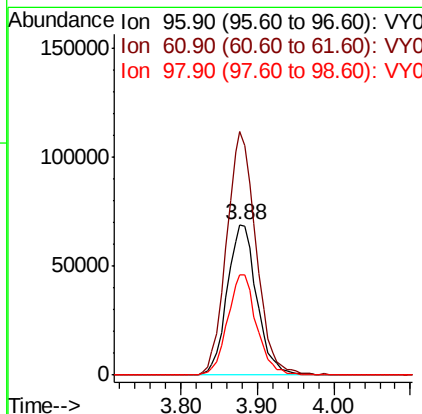
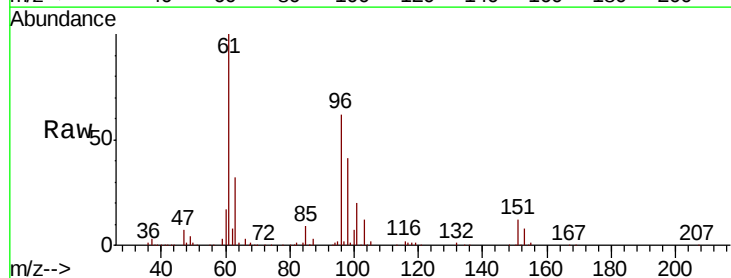
MMDadoda
12/2/2019 11:37:26 AM

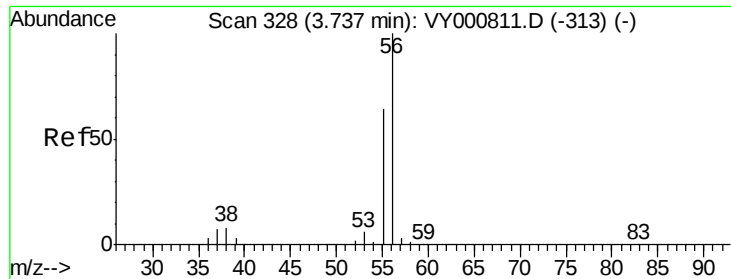


#12

1,1-Dichloroethene
Concen: 54.928 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.8	129.4	194.2
98	66.7	53.4	80.0





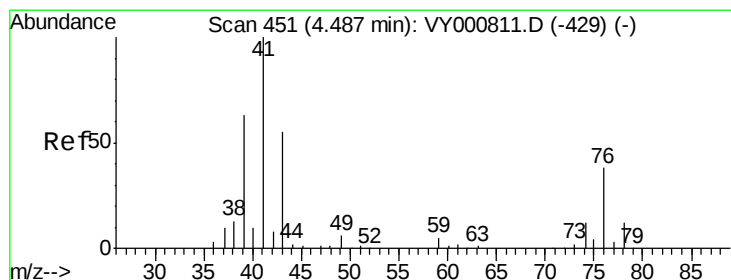
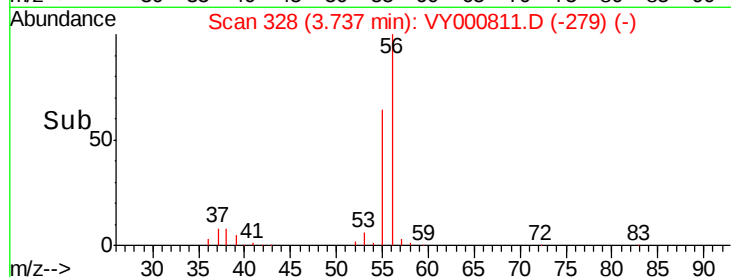
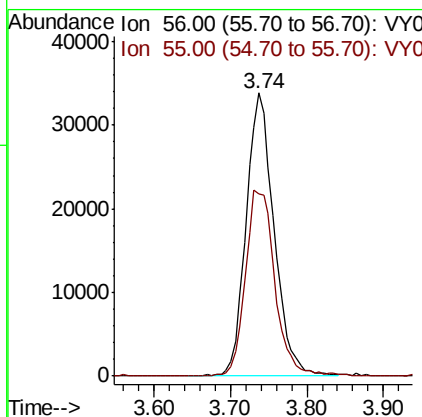
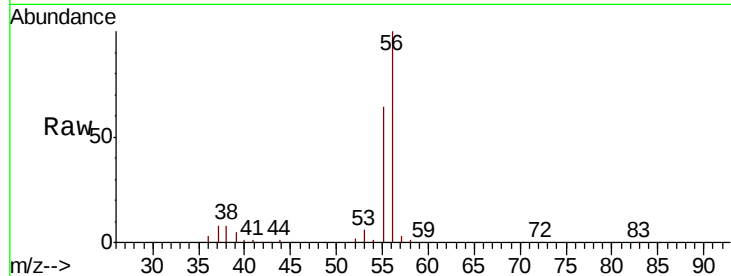
#13
Acrolein
Concen: 285.938 ug/l
RT: 3.74 min Scan# 328
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	56	55	Resp	86094	Lower	Upper
Ion Ratio	100	69.6				
					55.7	83.5

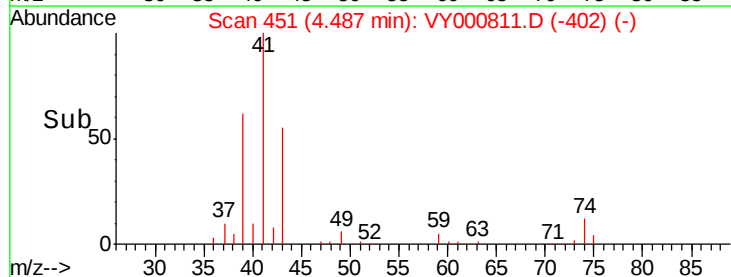
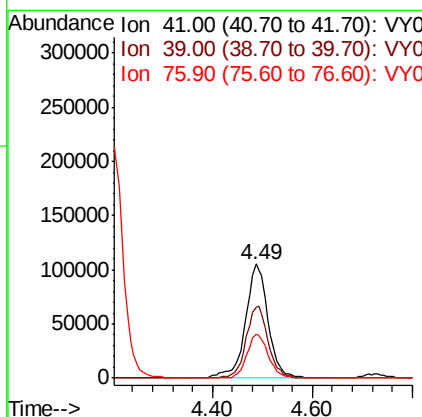
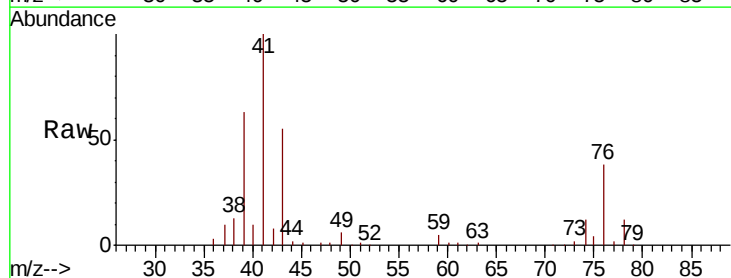
Manual Integrations
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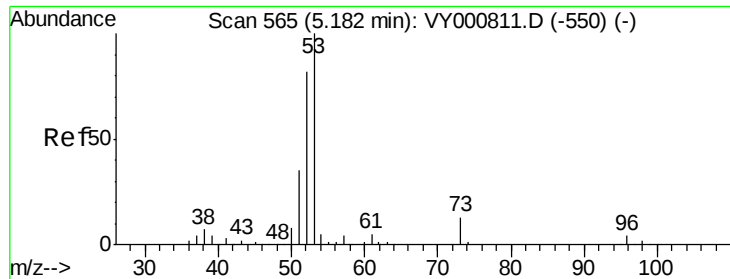
MMDadoda
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#14
Allyl chloride
Concen: 59.044 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	41	39	76	Resp	330052	Lower	Upper
Ion Ratio	100	61.5	36.5				
						49.2	73.8
						29.2	43.8





#15

Acrylonitrile

Concen: 289.593 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

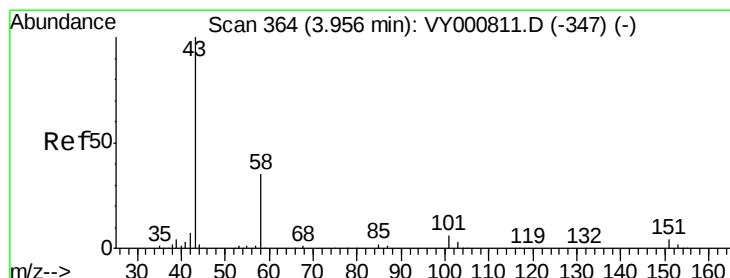
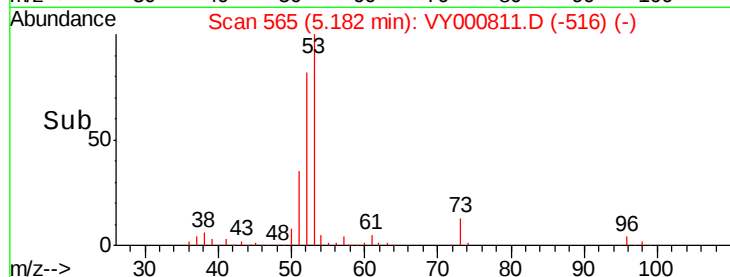
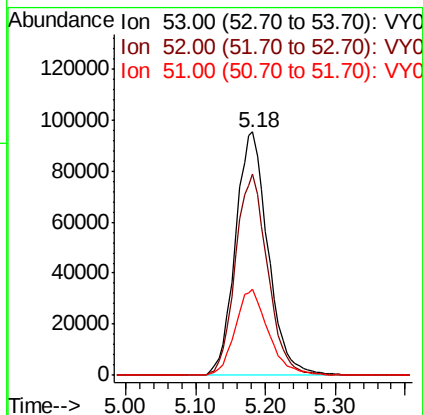
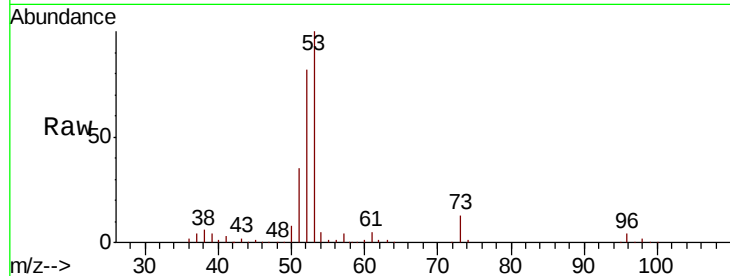
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	308427
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.1	97.7
51	36.2	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 226.611 ug/l

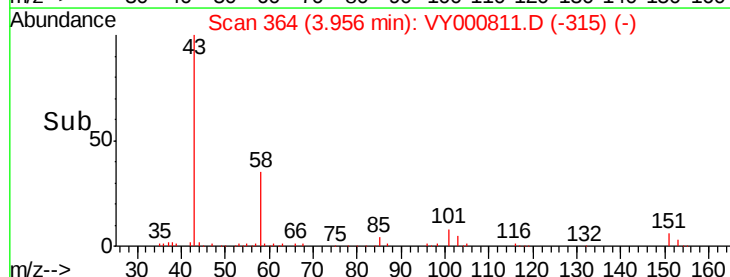
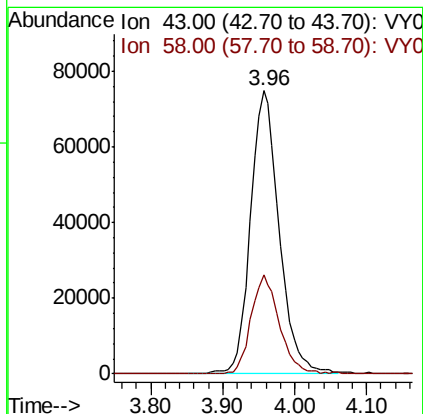
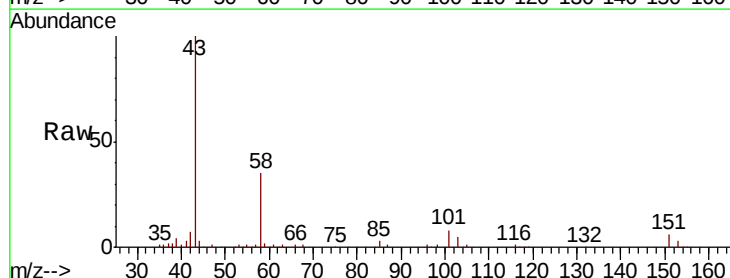
RT: 3.96 min Scan# 364

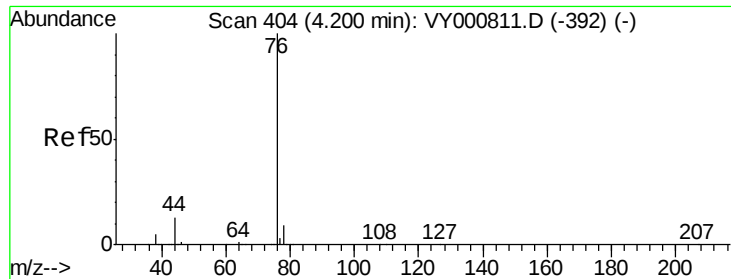
Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Tgt Ion:	43	Resp:	207054
Ion Ratio	Lower	Upper	
43	100		
58	35.0	28.0	42.0





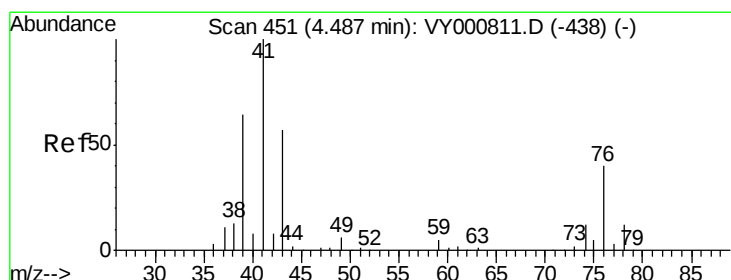
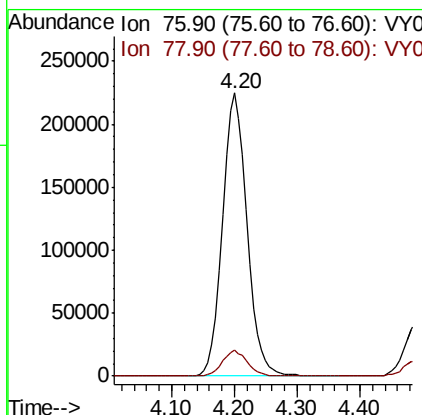
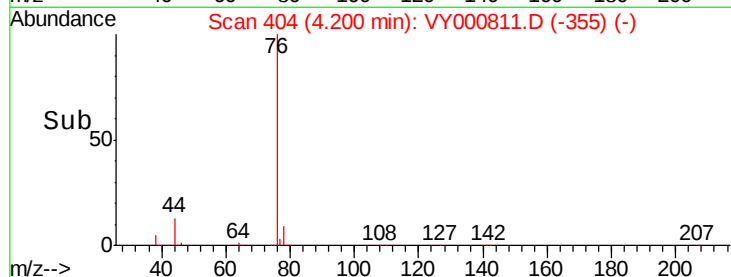
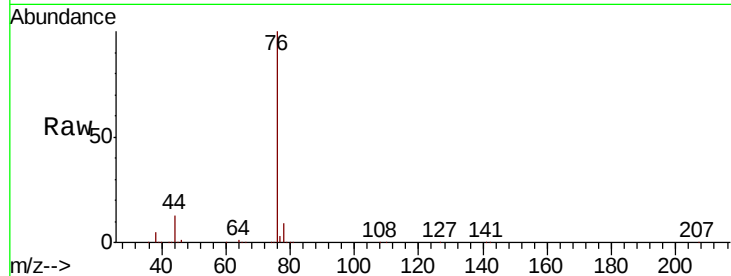
#17
Carbon Disulfide
Concen: 56.565 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

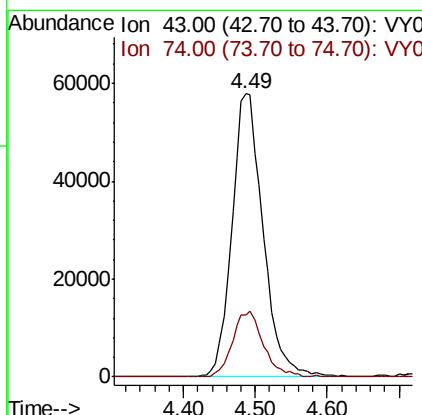
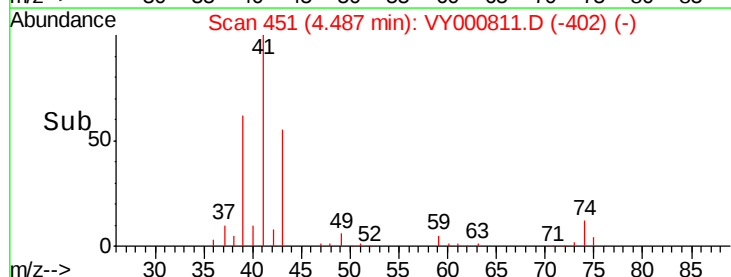
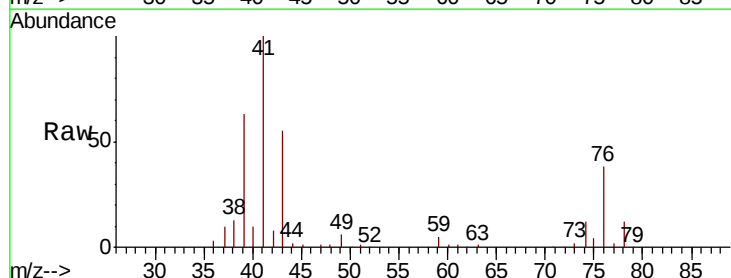
Manual Integrations
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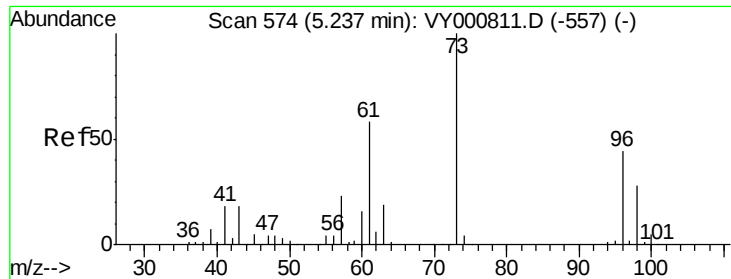
MMDadoda
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#18
Methyl Acetate
Concen: 56.538 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.5	27.7





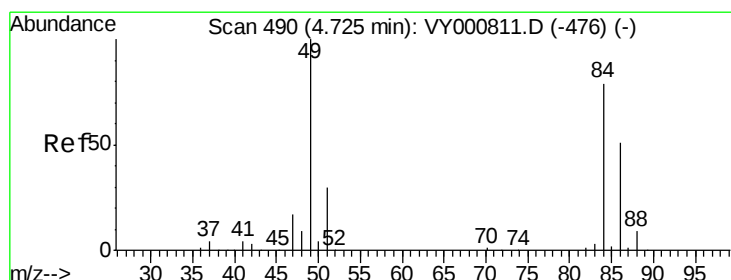
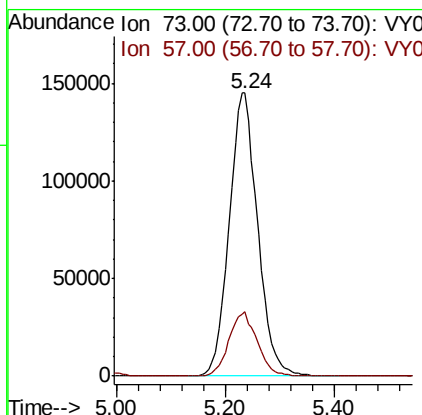
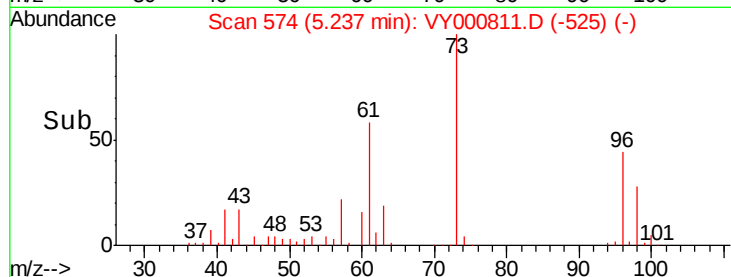
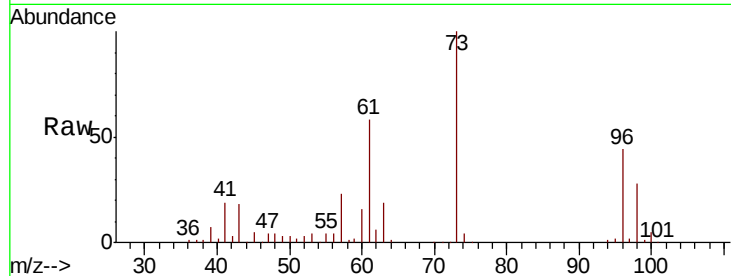
#19
Methvl tert-butvl Ether
Concen: 55.736 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 527134
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.4

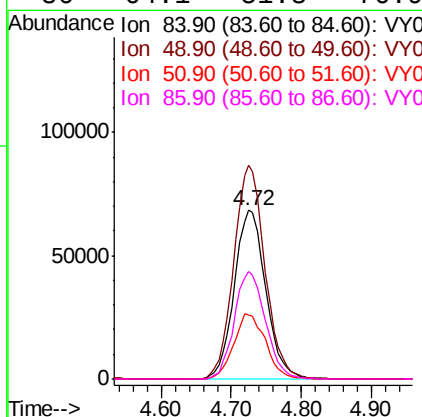
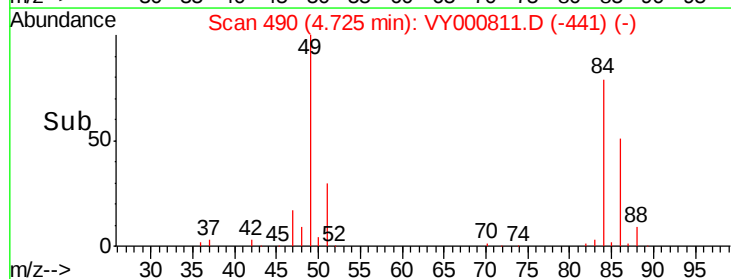
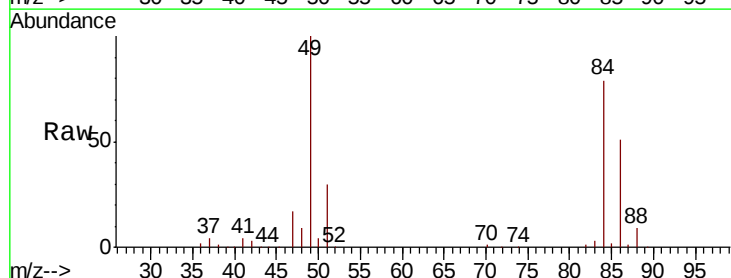
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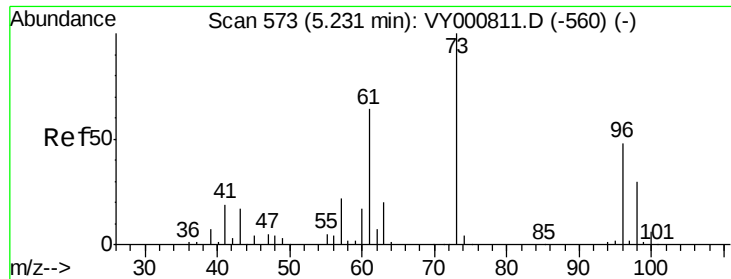
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12/2/2019 11:37:26 AM



#20
Methylene Chloride
Concen: 51.540 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion: 84 Resp: 214177
Ion Ratio Lower Upper
84 100
49 126.6 101.3 151.9
51 38.2 30.6 45.8
86 64.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 55.424 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 212476

Ion Ratio Lower Upper

96 100

61 132.4 105.9 158.9

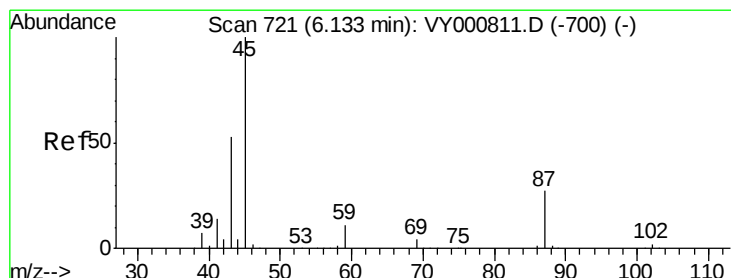
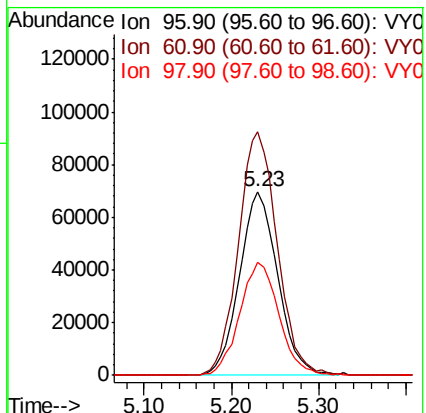
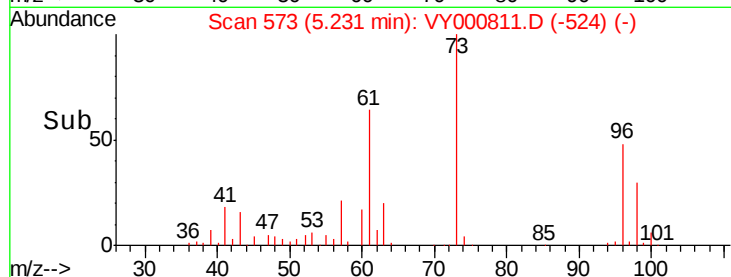
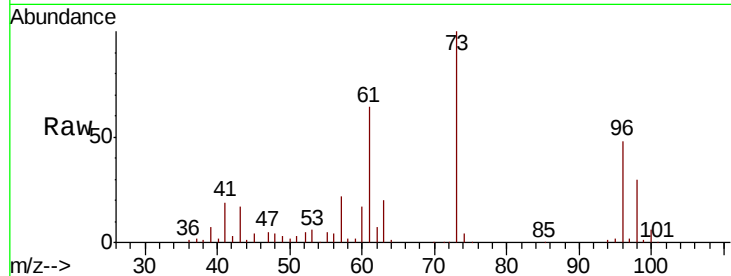
98 61.8 49.4 74.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 56.670 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Tgt Ion: 45 Resp: 682751

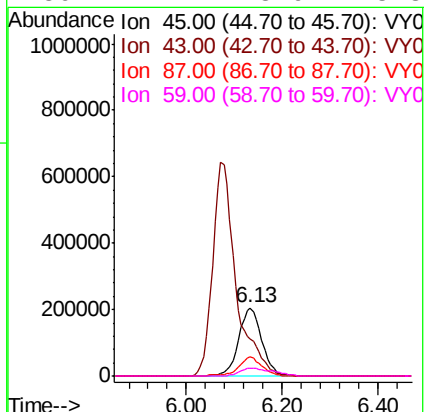
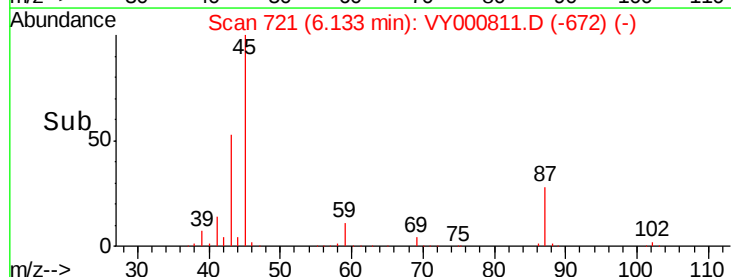
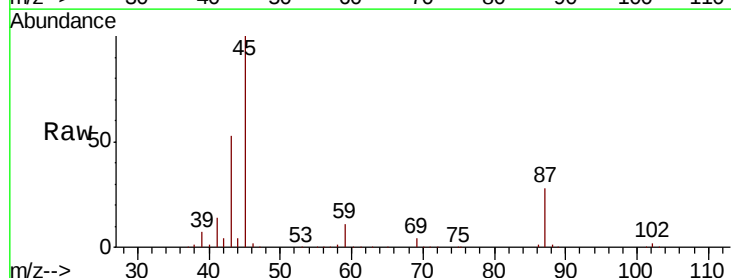
Ion Ratio Lower Upper

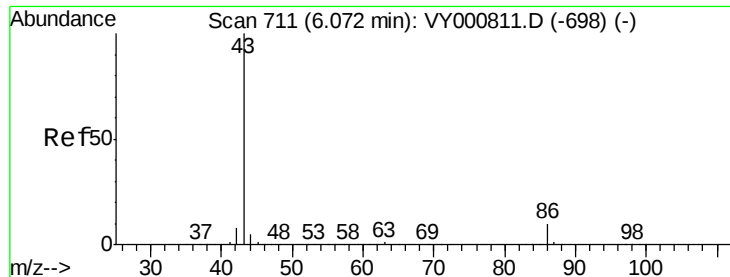
45 100

43 53.4 42.7 64.1

87 27.5 22.0 33.0

59 11.1 8.9 13.3





#23

Vinyl Acetate

Concen: 284.999 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2167931

Ion Ratio Lower Upper

43 100

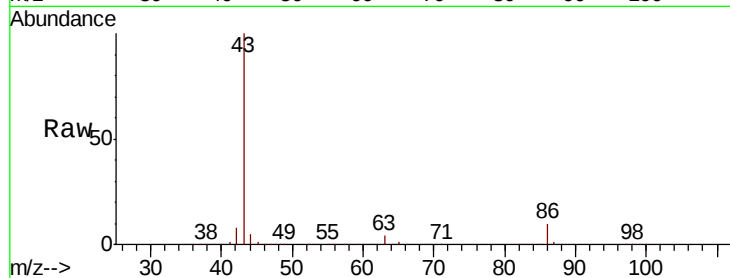
86 10.4 8.3 12.5

Manual Integrations

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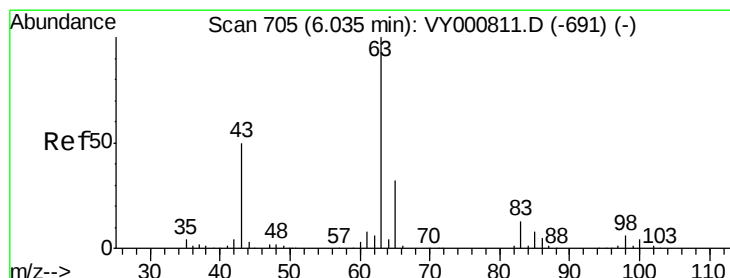
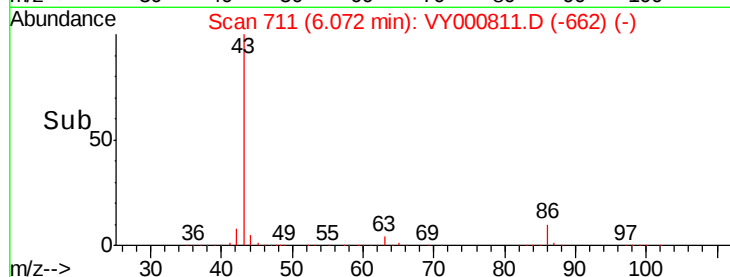
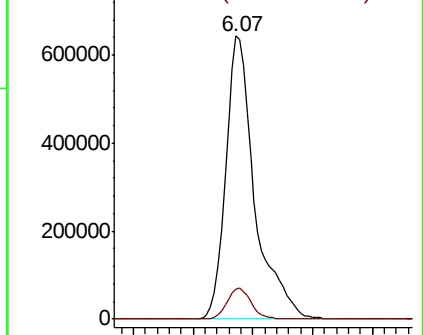
MMDadoda

12/2/2019 11:37:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 56.777 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

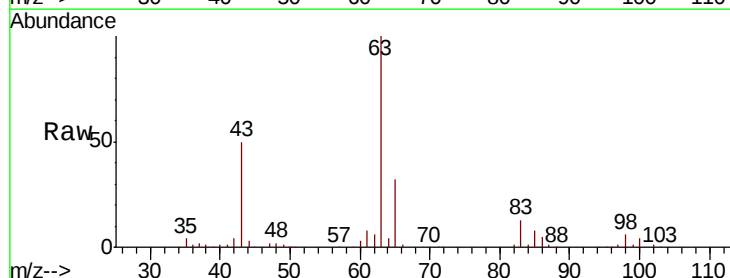
Tgt Ion: 63 Resp: 371717

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

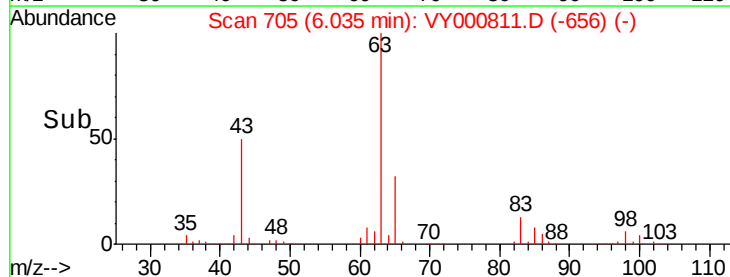
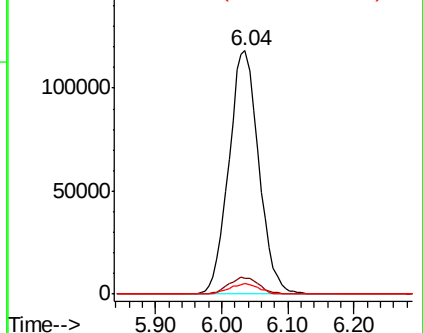
100 4.4 2.2 6.6

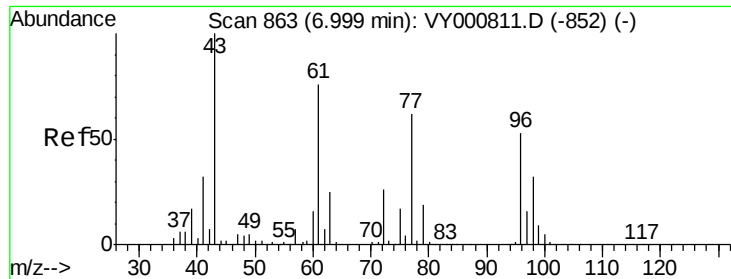


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





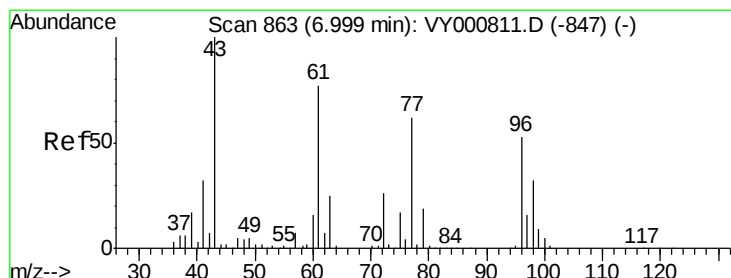
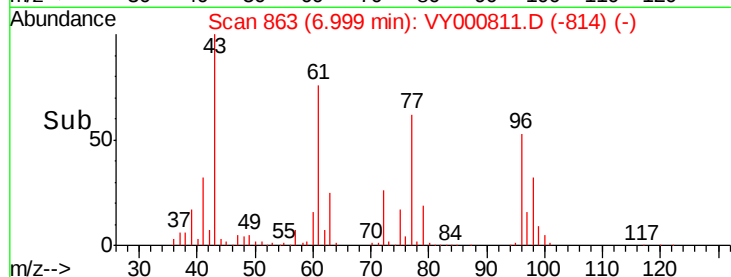
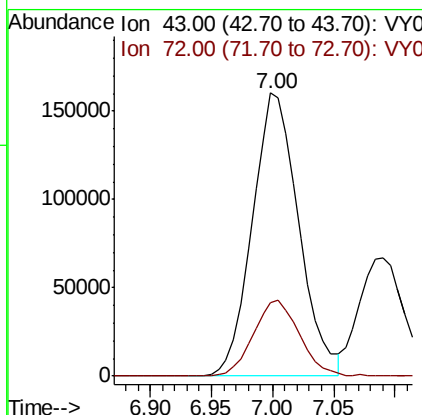
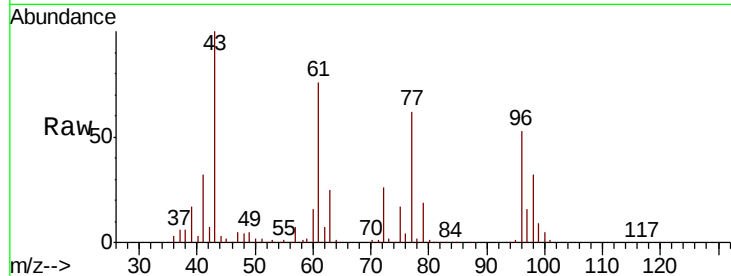
#25
2-Butanone
Concen: 275.899 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 423831
Ion Ratio Lower Upper
43 100
72 26.2 21.0 31.4

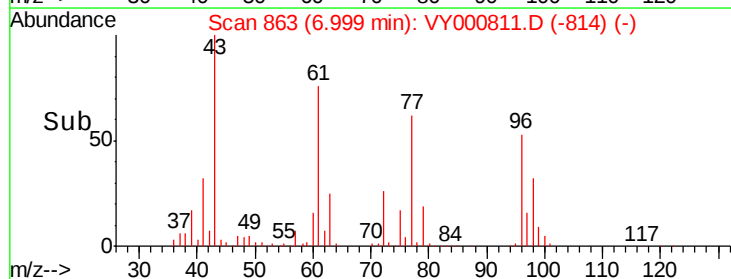
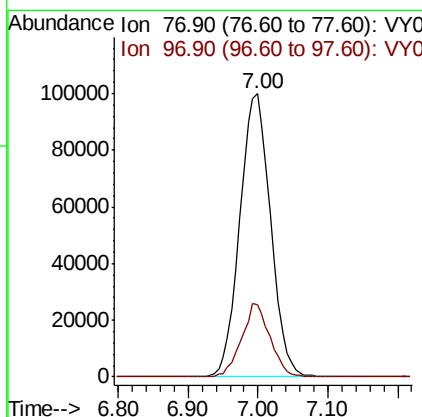
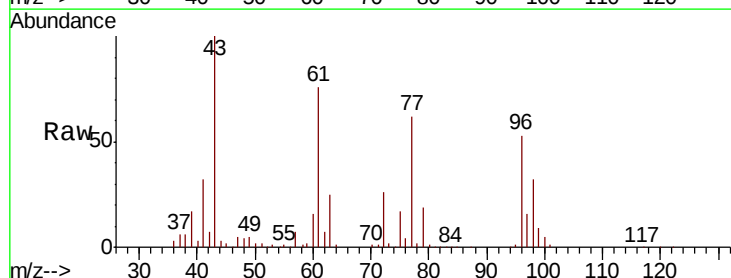
Manual Integrations
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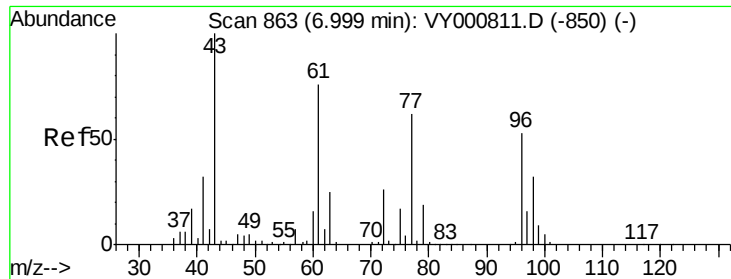
MMDadoda
12/2/2019 11:37:26 AM



#26
2,2-Dichloropropane
Concen: 51.778 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion: 77 Resp: 304957
Ion Ratio Lower Upper
77 100
97 23.9 11.9 35.9





#27

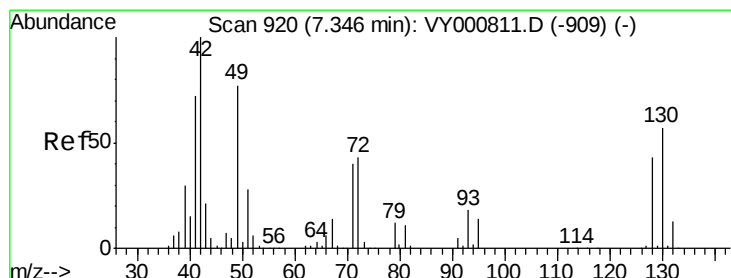
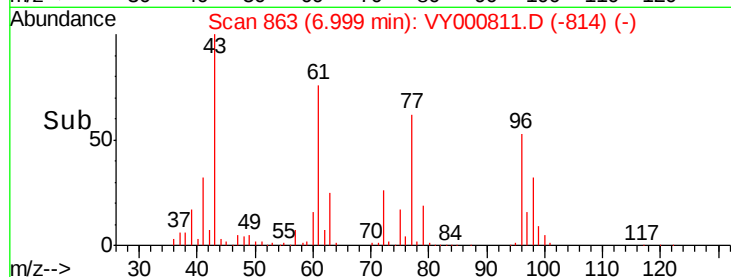
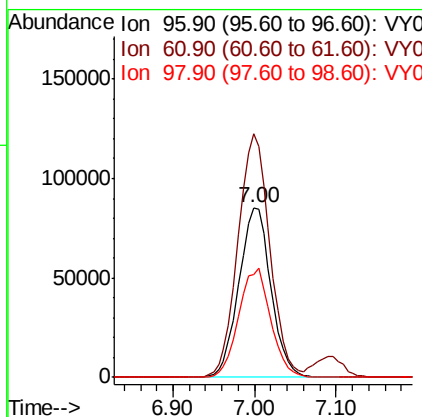
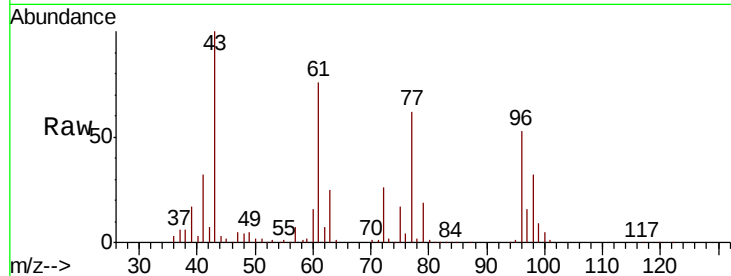
cis-1,2-Dichloroethene
Concen: 55.551 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	233155		
61	142.5	0.0	285.0	
98	64.0	0.0	128.0	

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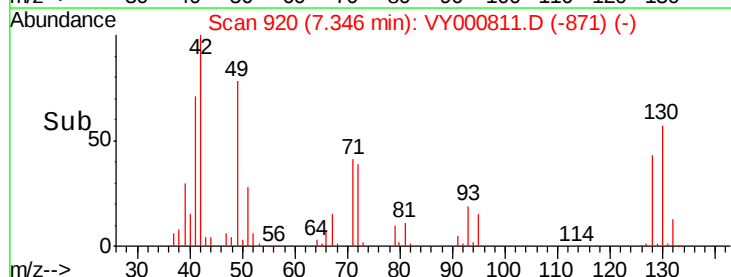
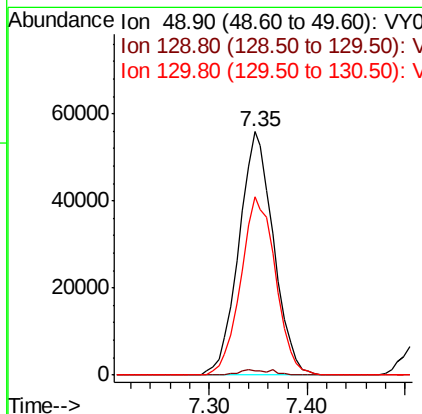
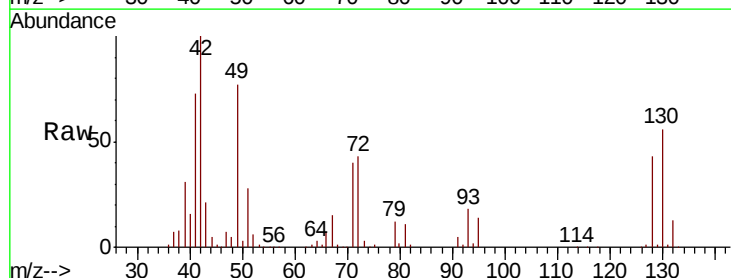
MMDadoda
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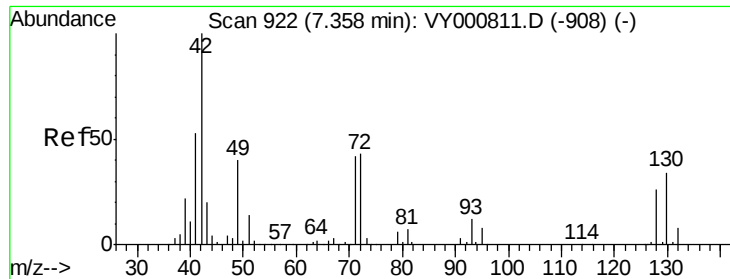


#28

Bromochloromethane
Concen: 54.408 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	137075		
129	1.9	0.0	3.8	
130	73.4	58.7	88.1	





#29

Tetrahydrofuran

Concen: 285.323 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

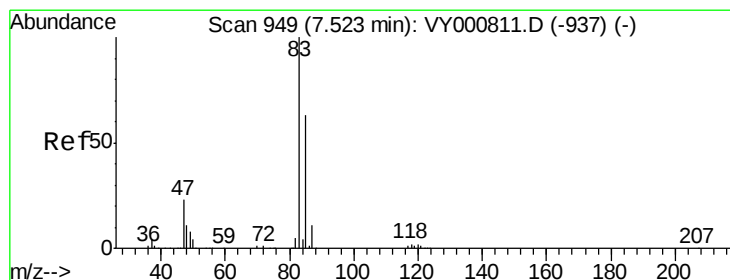
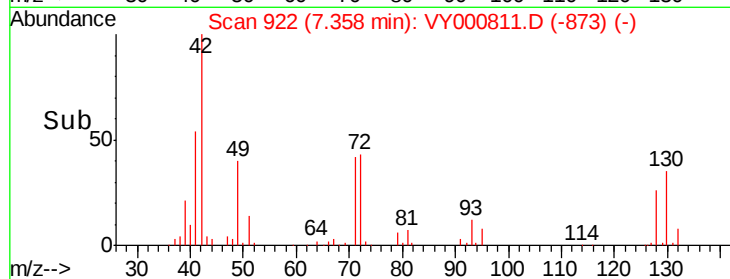
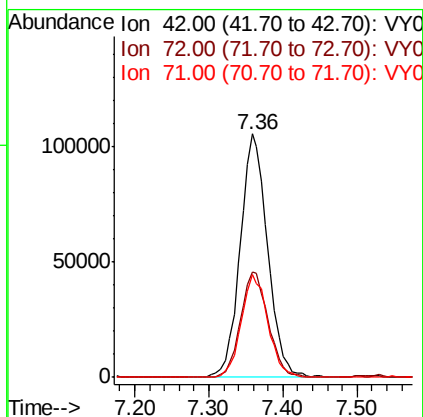
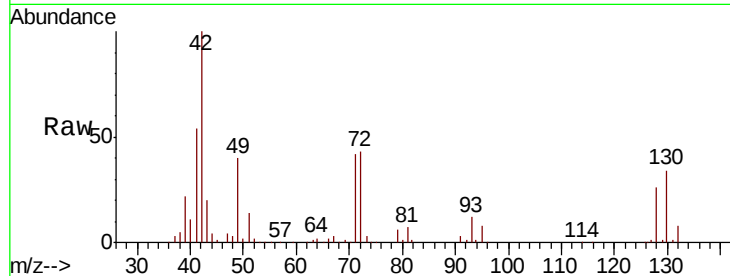
ClientSampled :

VSTDICCC050

Tot Ion:	42	Resp:	272376
Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.1	52.7
71	41.0	32.8	49.2

Manual Integrations
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#30

Chloroform

Concen: 54.385 ug/l

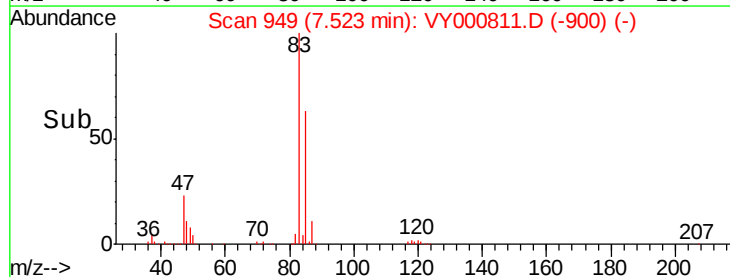
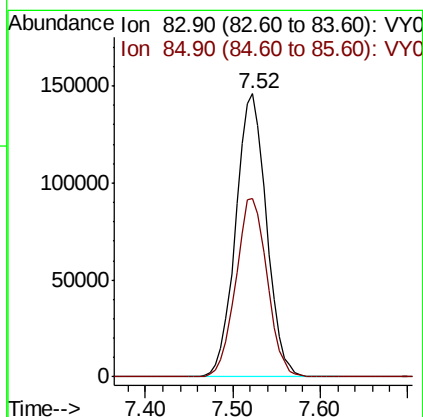
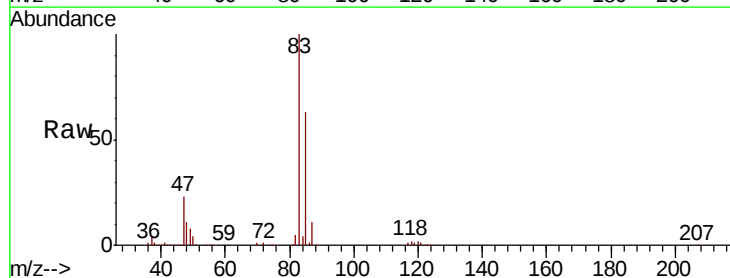
RT: 7.52 min Scan# 949

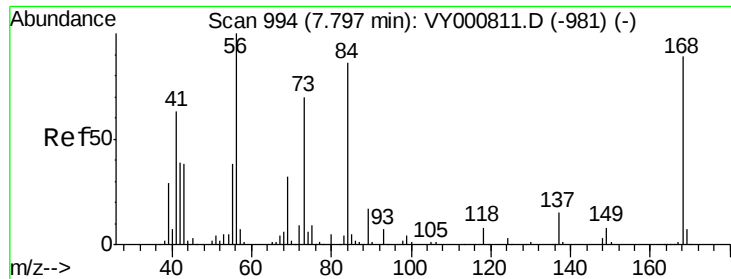
Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Tgt Ion:	83	Resp:	356538
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.4	75.6





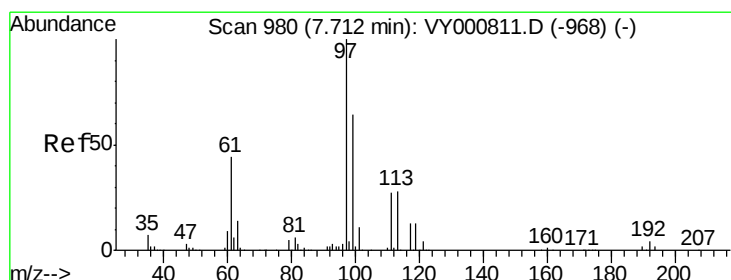
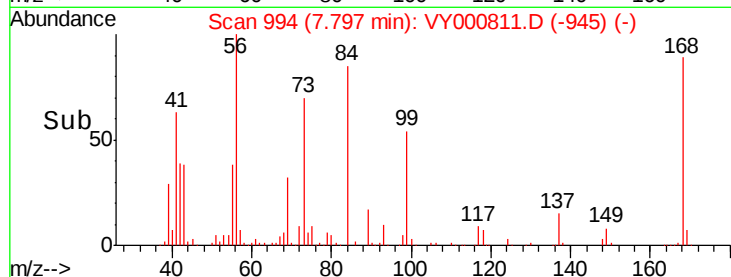
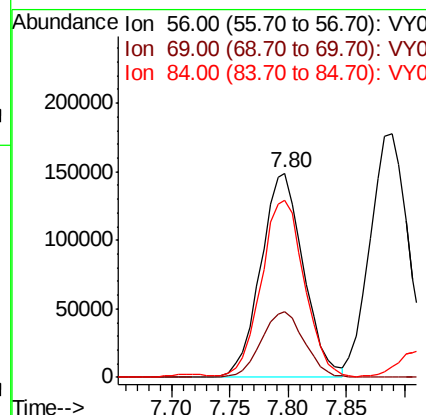
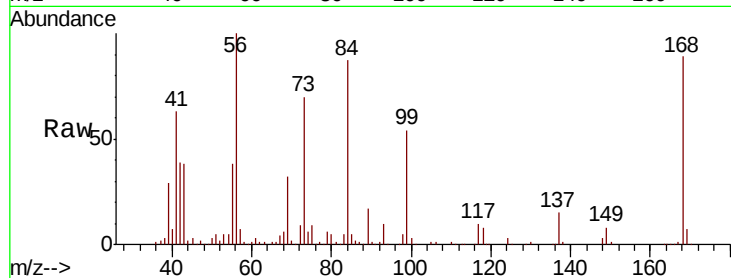
#31
Cyclohexane
Concen: 55.508 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.9	38.9
84	85.7	68.6	102.8

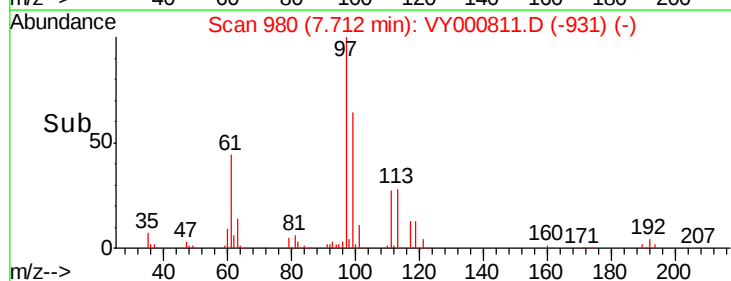
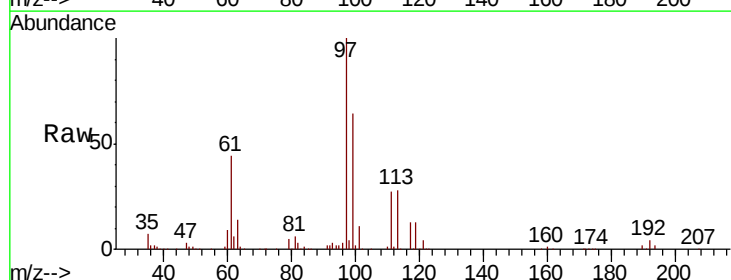
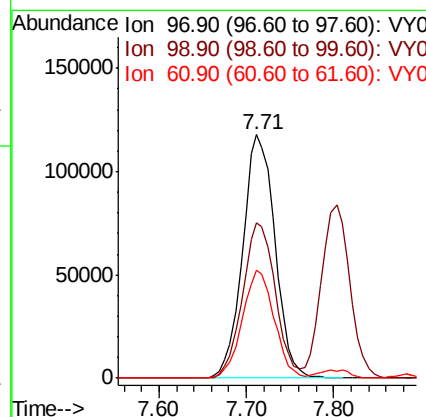
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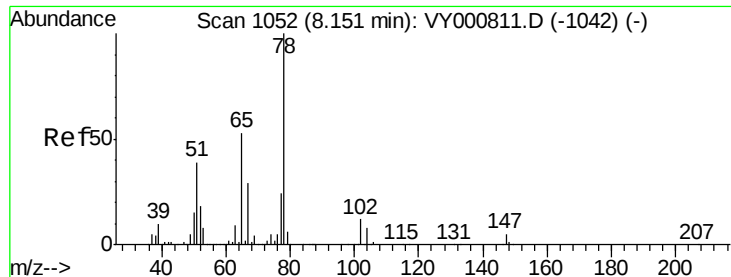
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.105 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	43.8	35.0	52.6





#33

1,2-Dichloroethane-d4

Concen: 51.385 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 174718

Ion Ratio Lower Upper

65 100

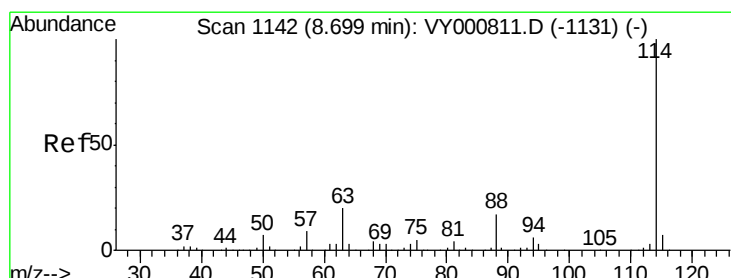
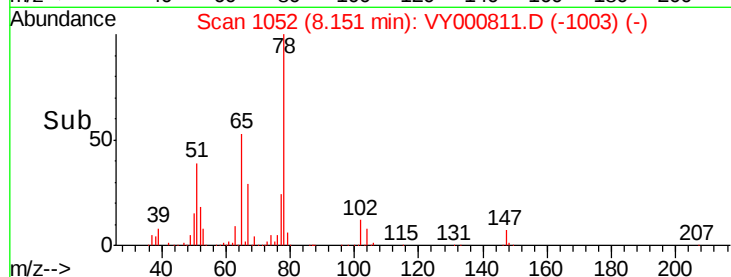
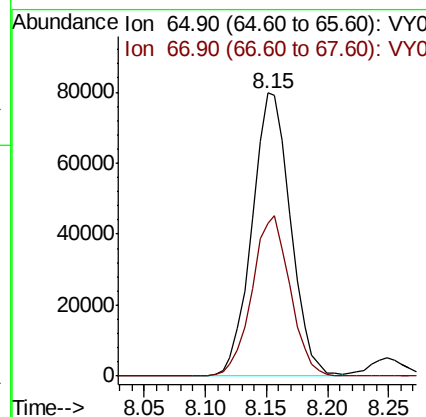
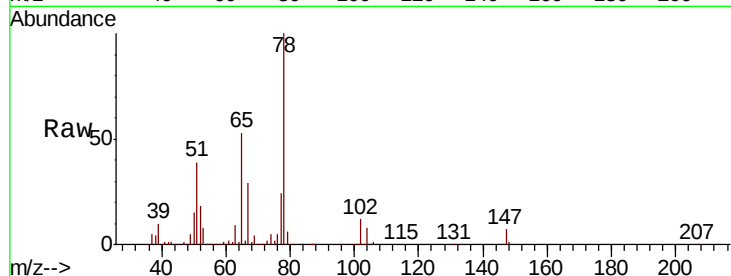
67 56.0 0.0 112.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

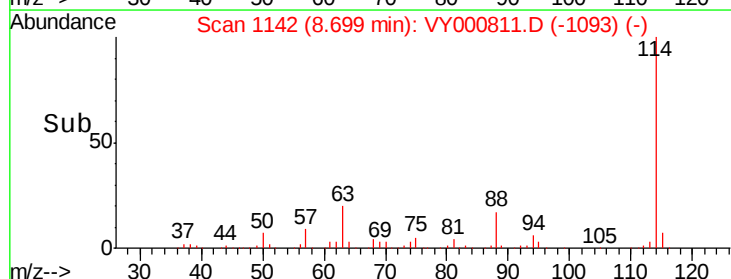
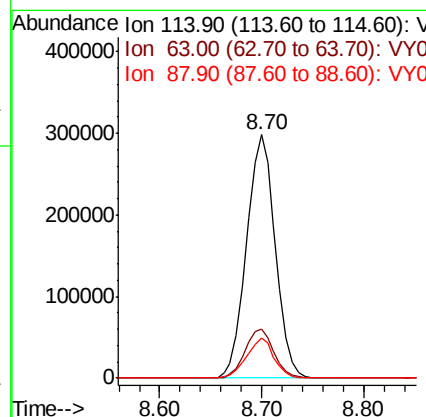
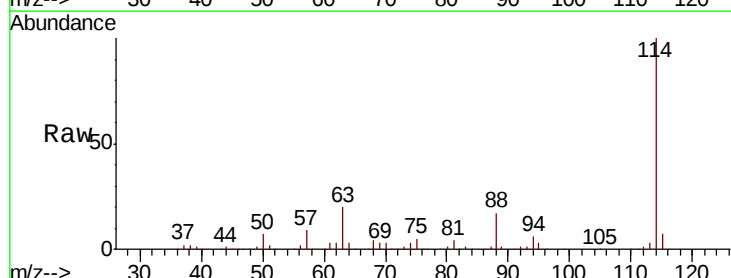
Tgt Ion: 114 Resp: 581584

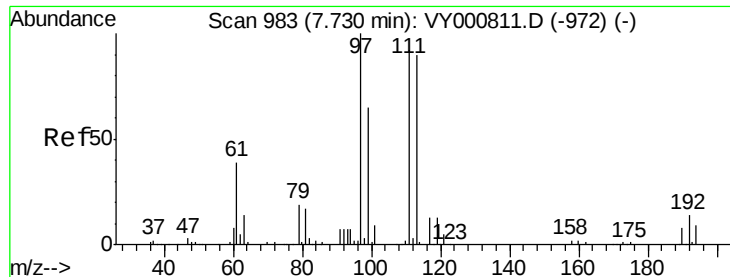
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

88 16.6 0.0 33.2





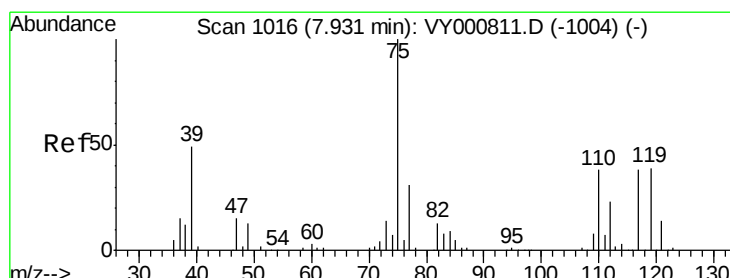
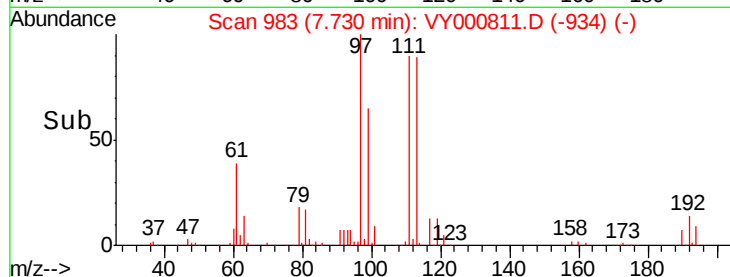
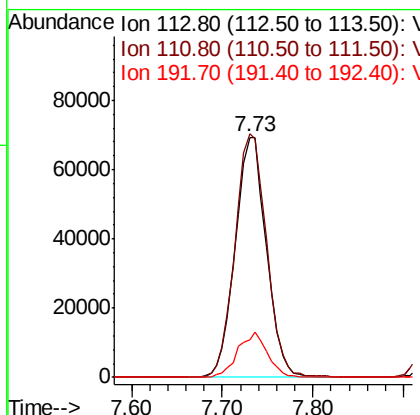
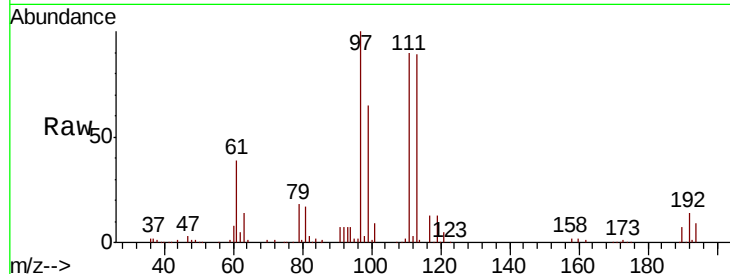
#35
 Dibromofluoromethane
 Concen: 48.898 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000811.D
 Acq: 27 Nov 2019 11:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	165171		
111	103.0	82.4	123.6	
192	17.7	14.2	21.2	

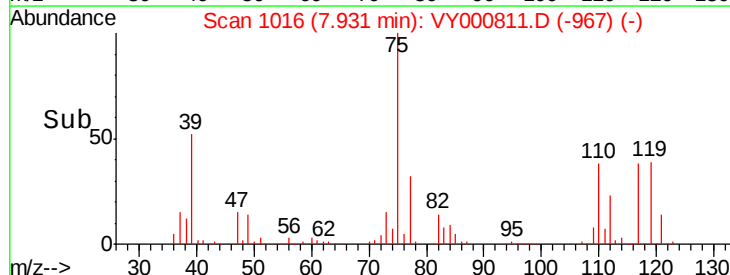
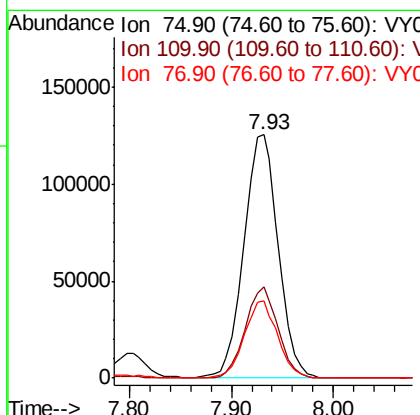
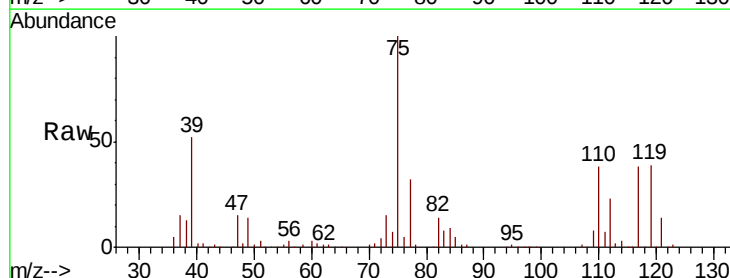
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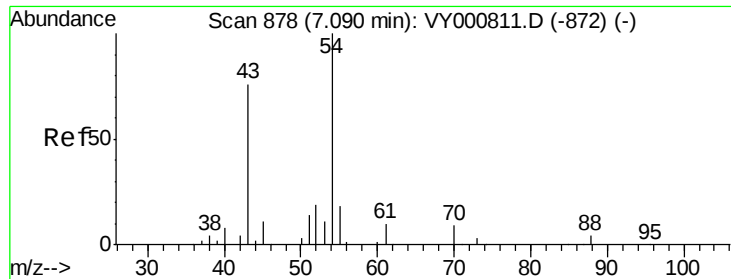
MMDadoda
 12/2/2019 11:37:26 AM



#36
 1,1-Dichloropropene
 Concen: 52.555 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. 0.00 min
 Lab File: VY000811.D
 Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	293167		
110	35.8	17.9	53.7	
77	30.9	24.7	37.1	





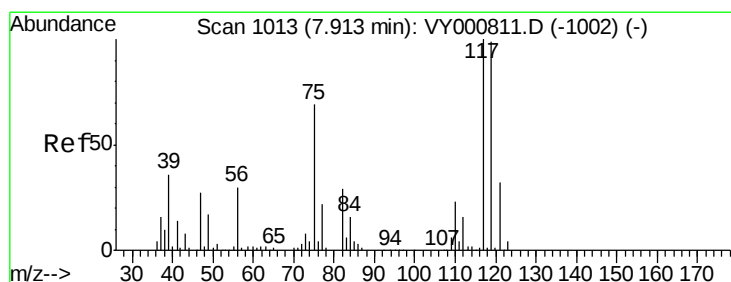
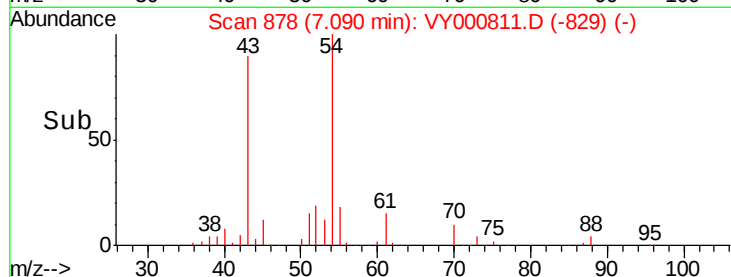
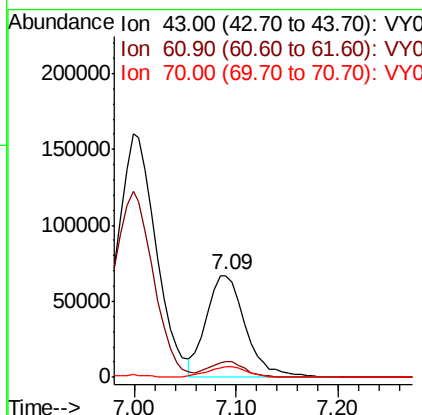
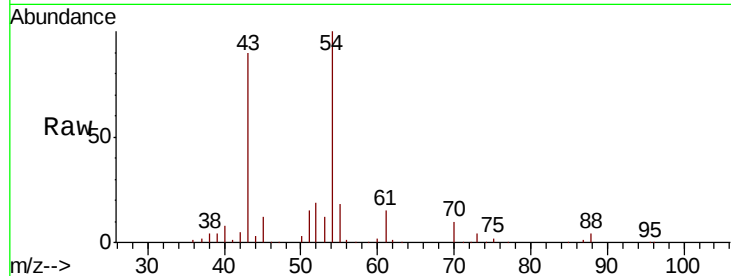
#37
Ethyl Acetate
Concen: 53.382 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	10.9	8.7	13.1

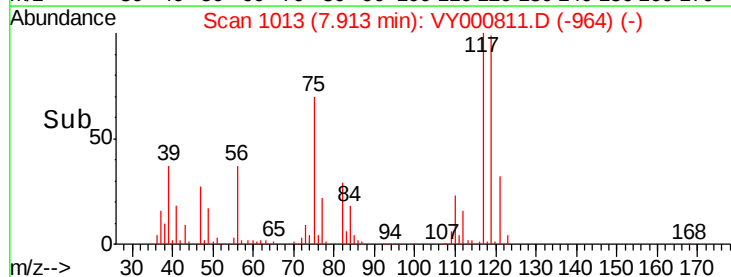
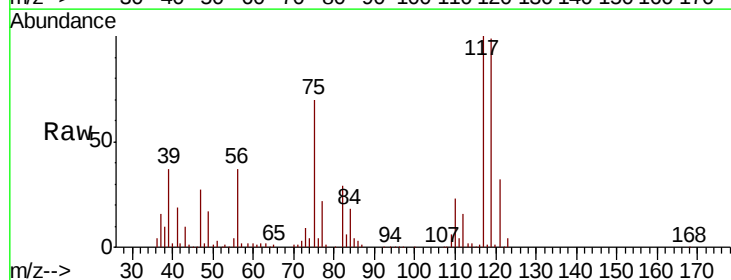
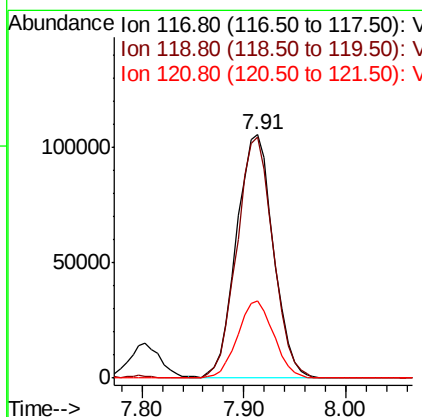
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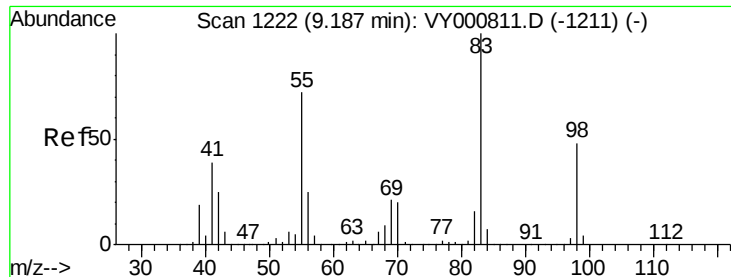
MMDadoda
12/2/2019 11:37:26 AM



#38
Carbon Tetrachloride
Concen: 50.105 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	79.3	118.9
121	31.9	25.5	38.3





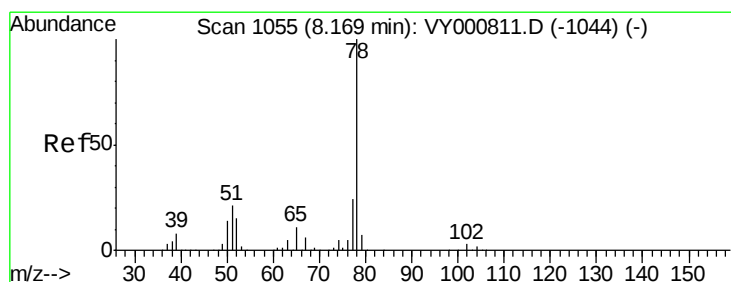
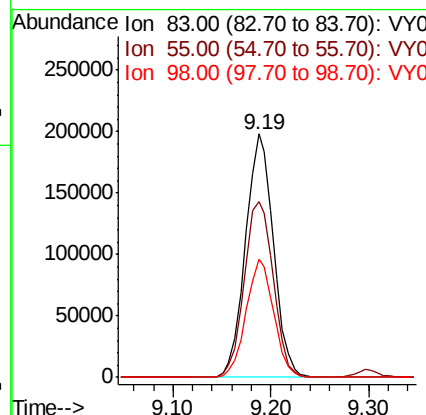
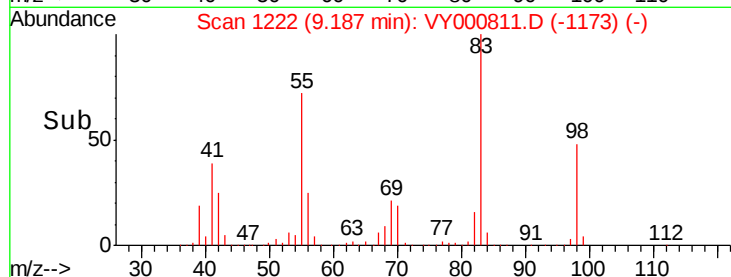
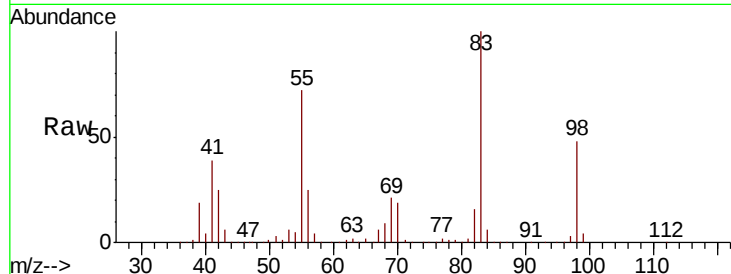
#39
Methvlcvclohexane
Concen: 54.207 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.2	57.8	86.6
98	48.3	38.6	58.0

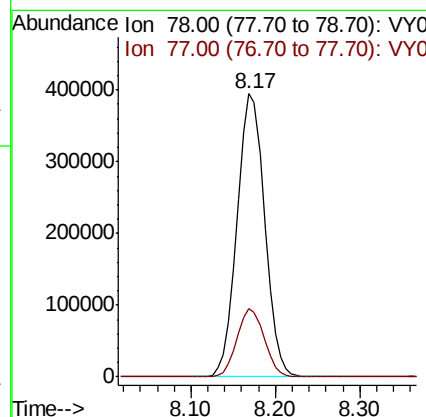
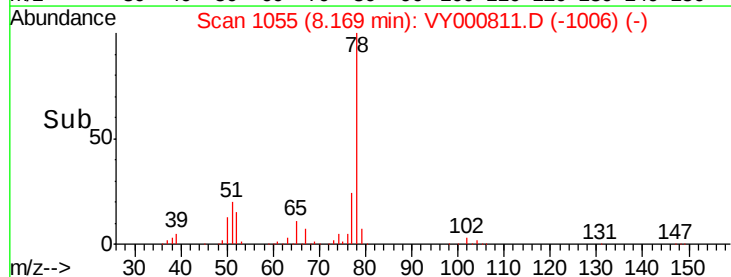
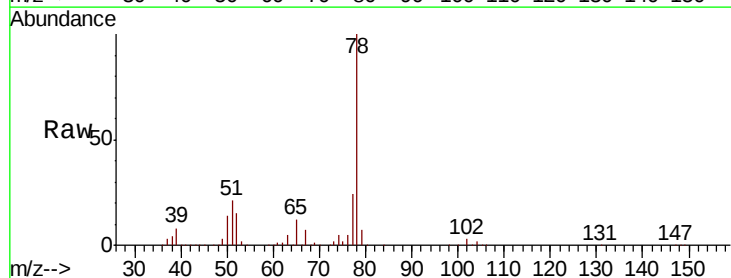
Manual Integrations
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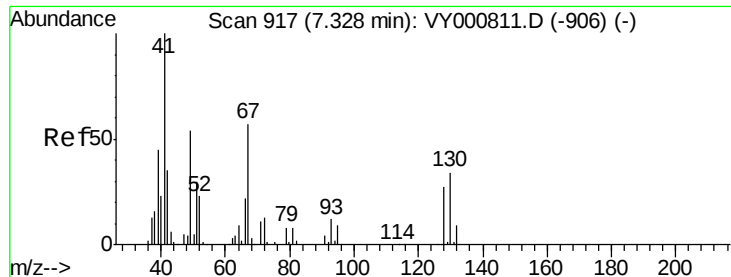
MMDadoda
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#40
Benzene
Concen: 53.319 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





#41

Methacrylonitrile

Concen: 48.698 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 89650

Ion Ratio Lower Upper

41 100

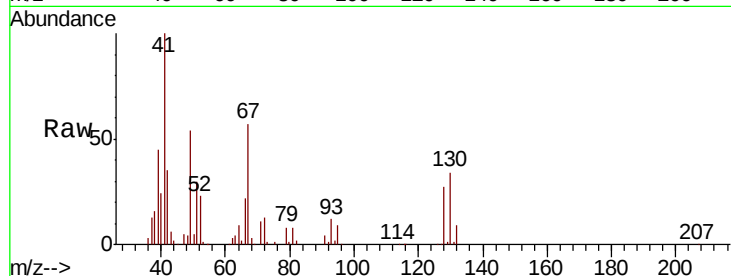
39 119.6 95.7 143.5

67 0.0 0.0 0.0

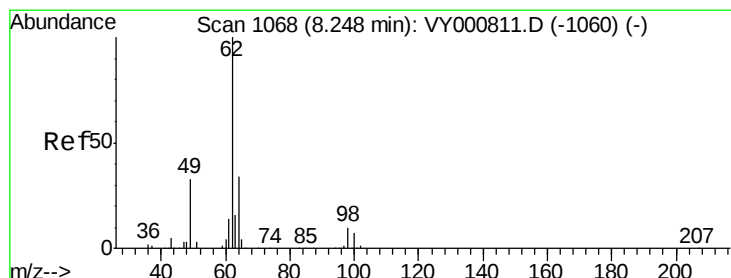
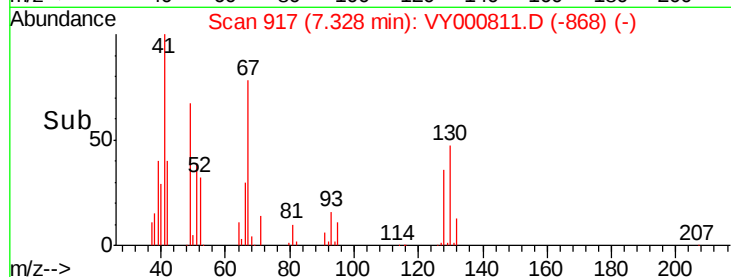
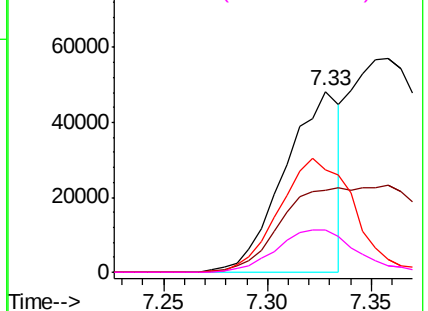
52 0.0 0.0 0.0

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Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 50.623 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VY000811.D

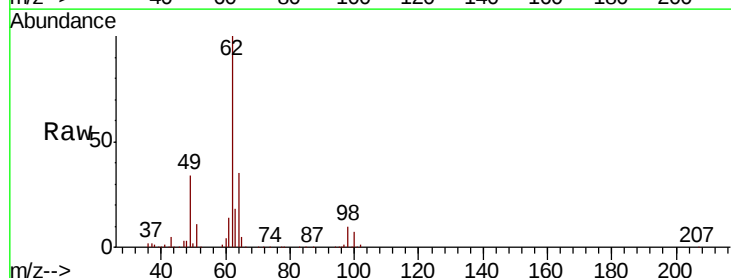
Acq: 27 Nov 2019 11:38

Tgt Ion: 62 Resp: 231996

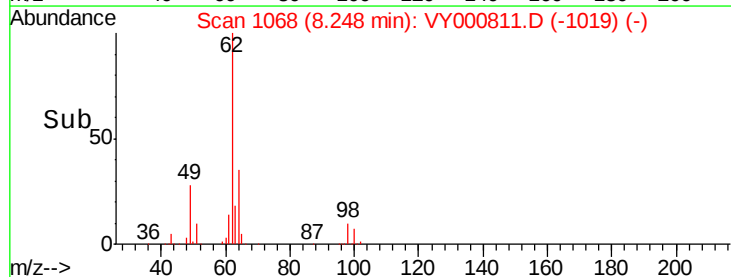
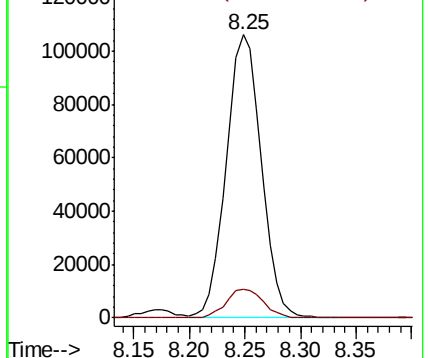
Ion Ratio Lower Upper

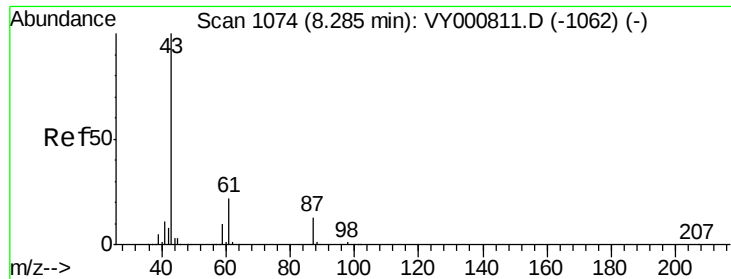
62 100

98 10.7 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 54.371 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

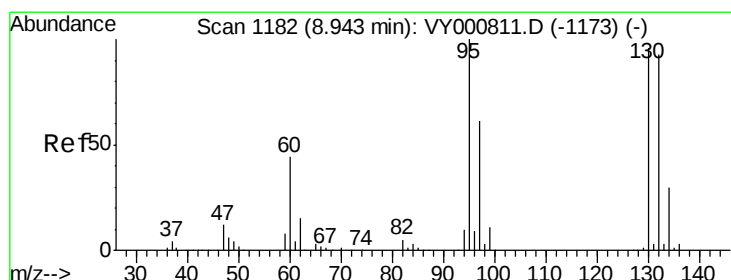
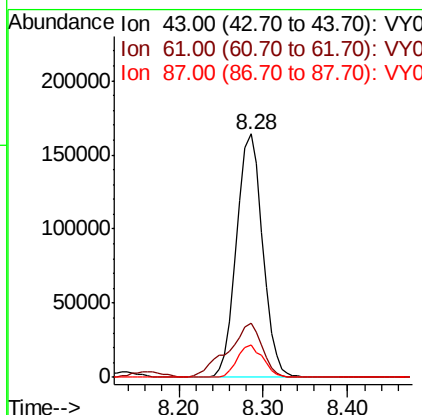
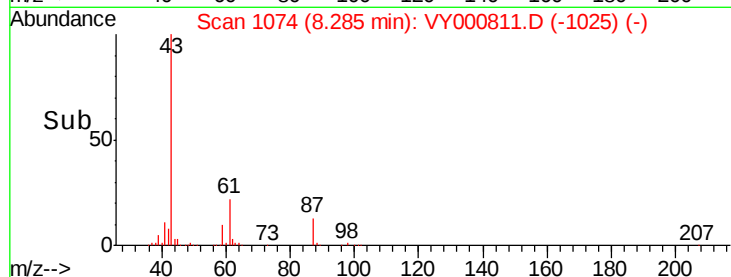
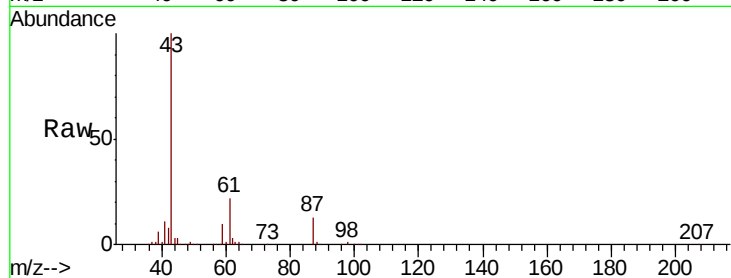
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	340981
Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.7	35.5
87	13.2	10.6	15.8

Manual Integrations
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#44

Trichloroethene

Concen: 51.889 ug/l

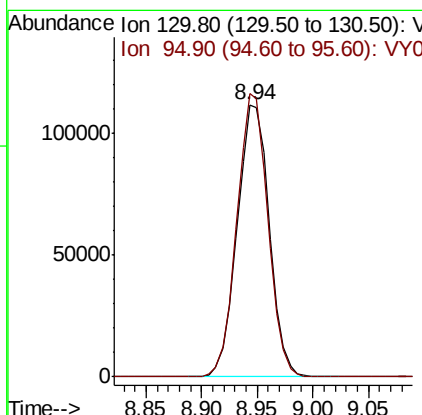
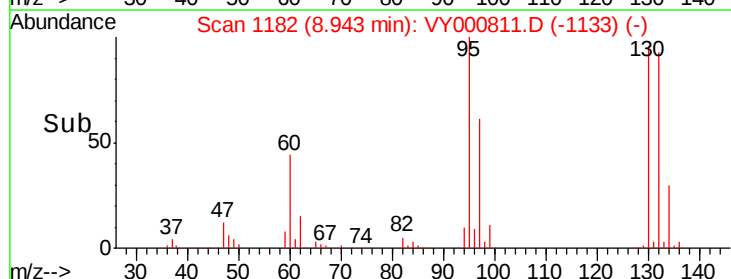
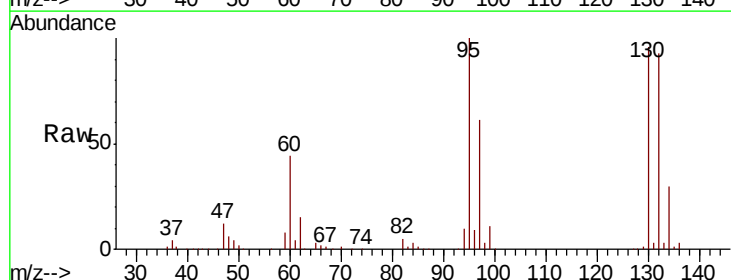
RT: 8.94 min Scan# 1182

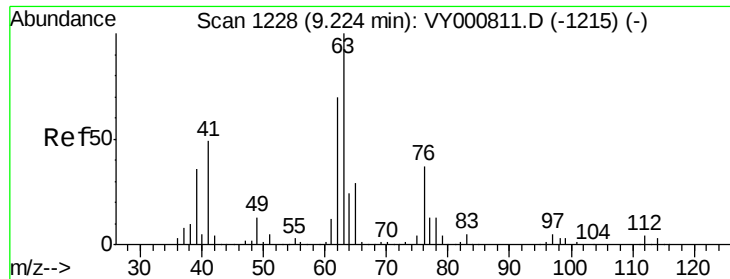
Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Tgt Ion:	130	Resp:	223121
Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	207.8





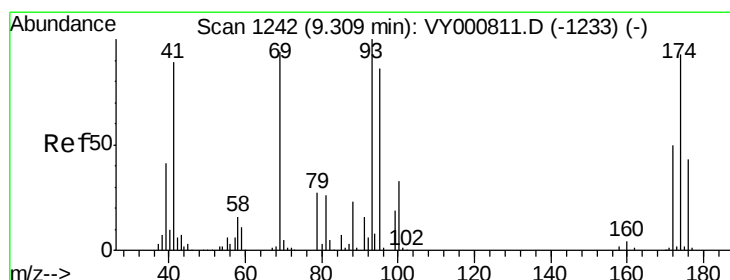
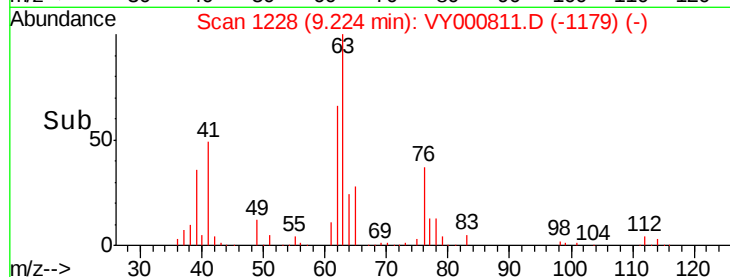
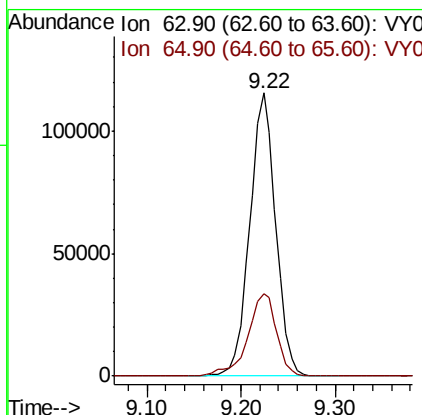
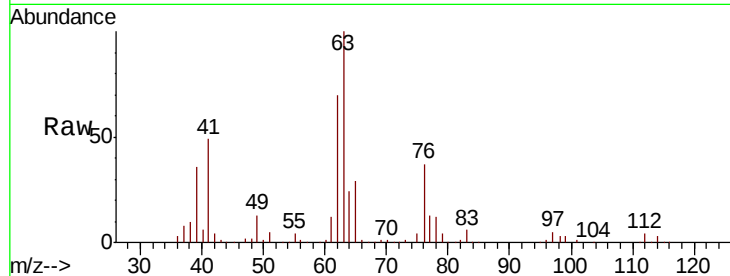
#45
 1,2-Dichloropropane
 Concen: 55.034 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000811.D
 Acq: 27 Nov 2019 11:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.0	23.2	34.8

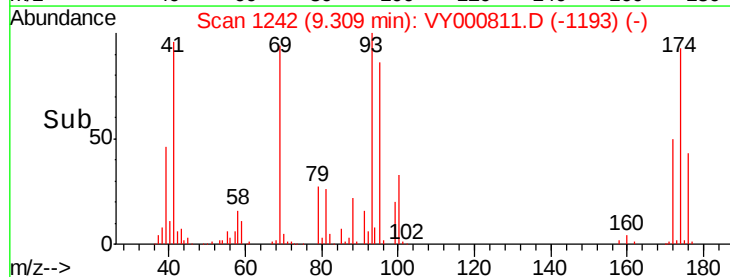
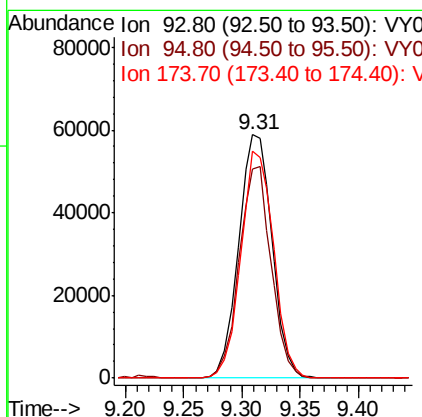
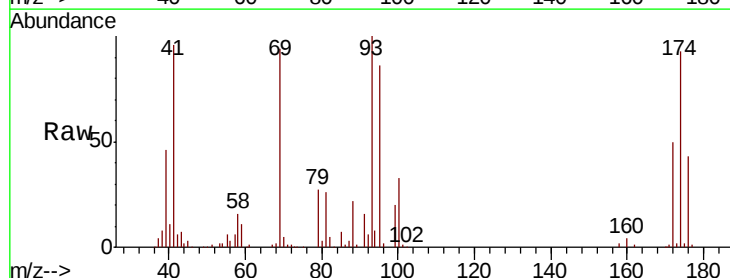
Manual Integrations
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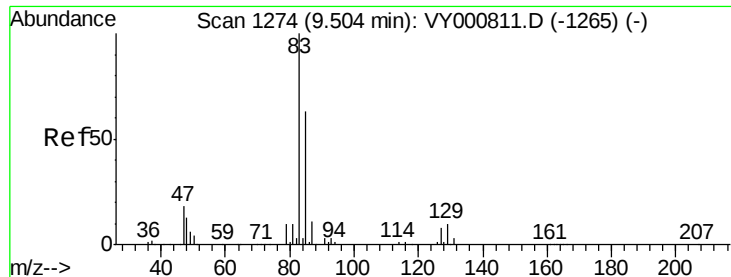
MMDadoda
 12/2/2019 11:37:26 AM



#46
 Dibromomethane
 Concen: 53.171 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY000811.D
 Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	91.3	73.0	109.6





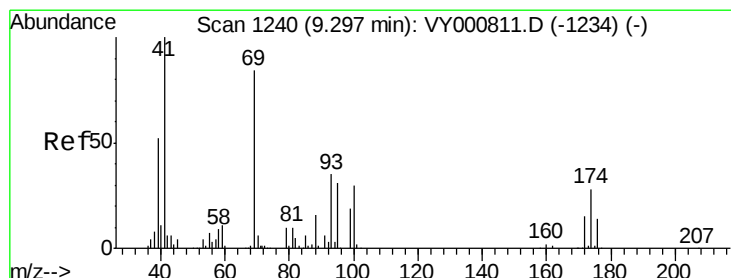
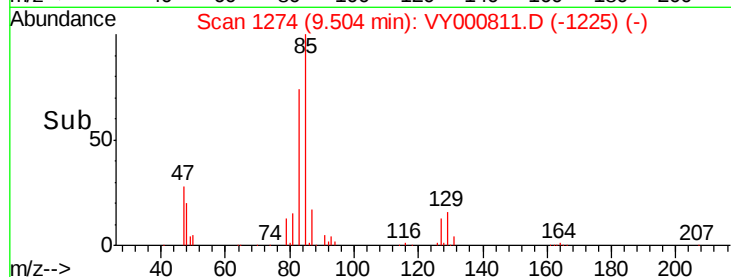
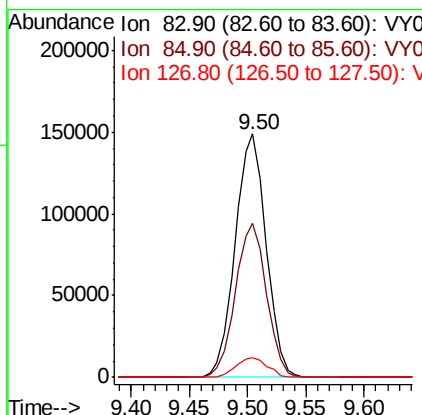
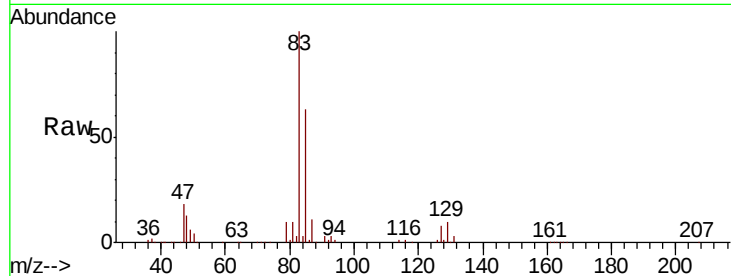
#47
Bromodichloromethane
Concen: 52.936 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	276277		
85	63.5		50.8	76.2
127	8.3		6.6	10.0

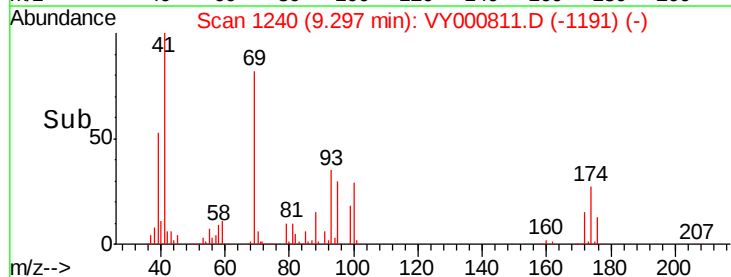
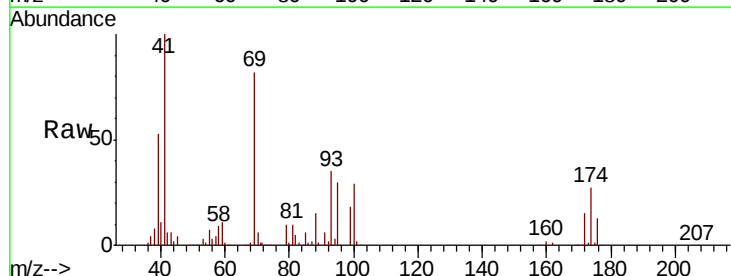
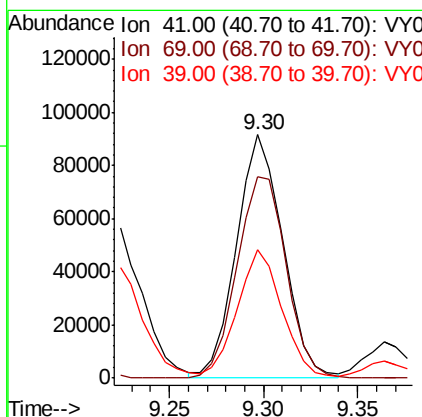
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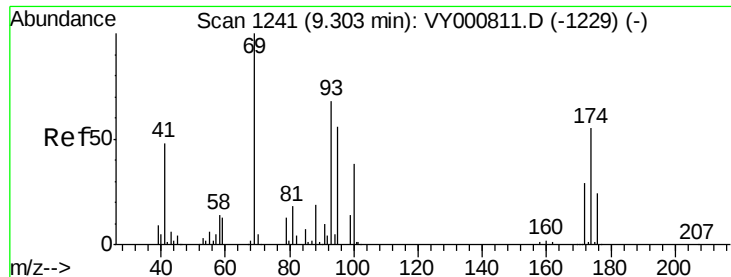
MMDadoda
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#48
Methyl methacrylate
Concen: 56.608 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	156478		
69	88.0		70.4	105.6
39	51.1		40.9	61.3





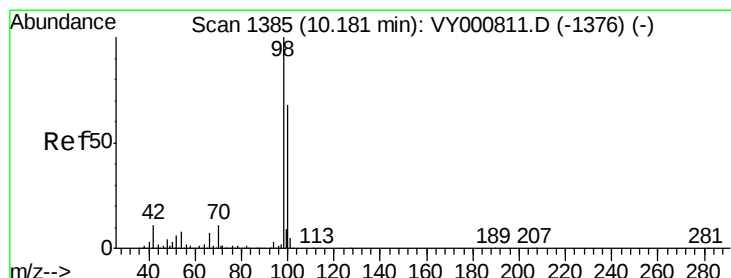
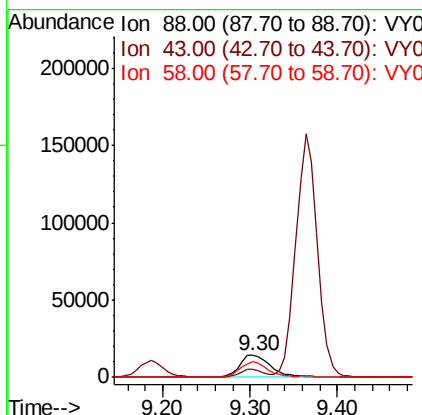
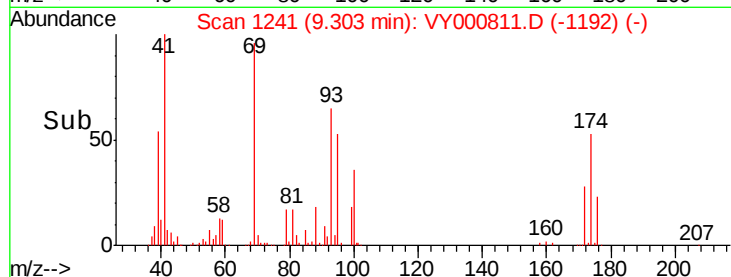
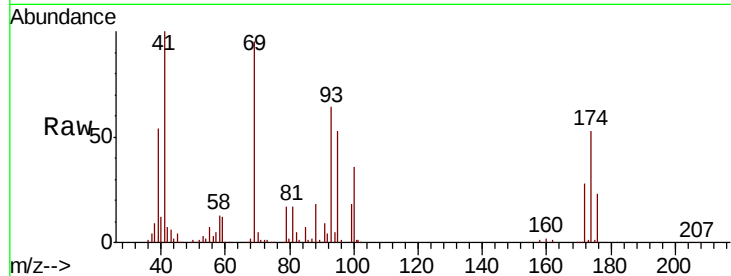
#49
1,4-Dioxane
Concen: 1168.848 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	35440
Ion Ratio	Lower	Upper	
88	100		
43	26.4	21.1	31.7
58	63.4	50.7	76.1

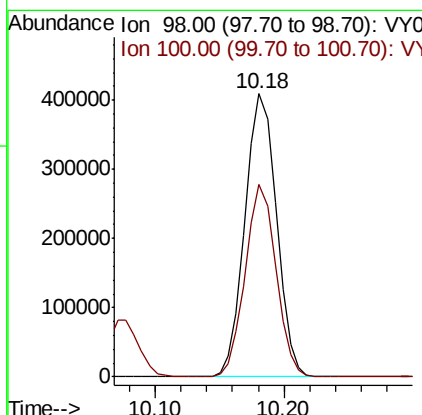
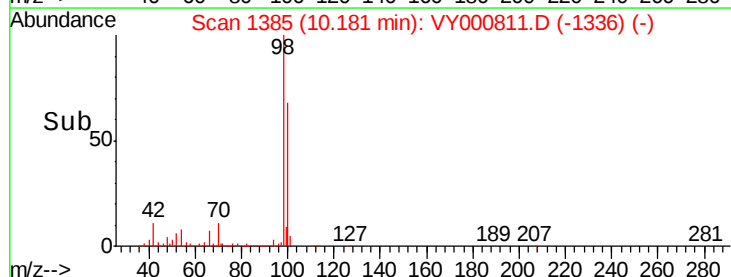
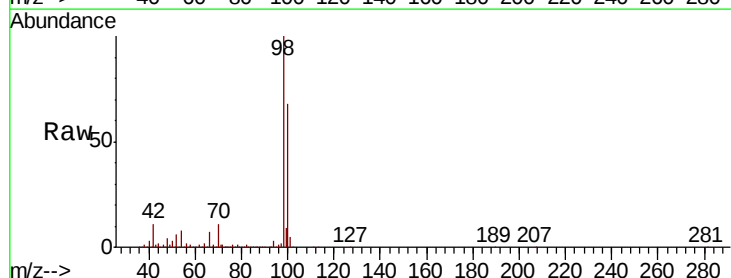
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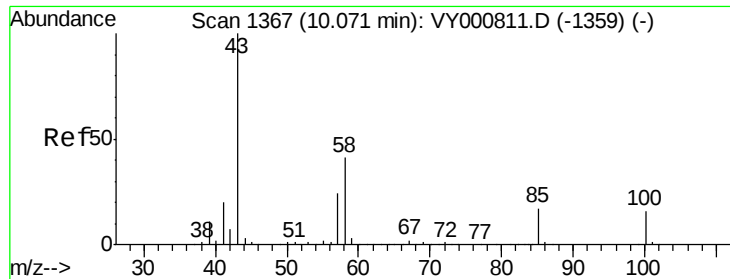
MMDadoda
12/2/2019 11:37:26 AM



#50
Toluene-d8
Concen: 53.821 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	98	Resp	692746
Ion Ratio	Lower	Upper	
98	100		
100	66.4	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 270.377 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 895889

Ion Ratio Lower Upper

43 100

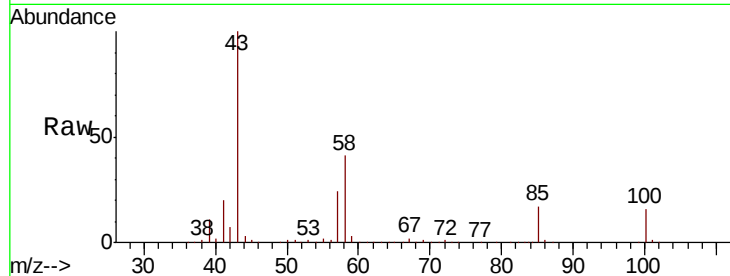
58 41.4 33.1 49.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.07

600000

500000

400000

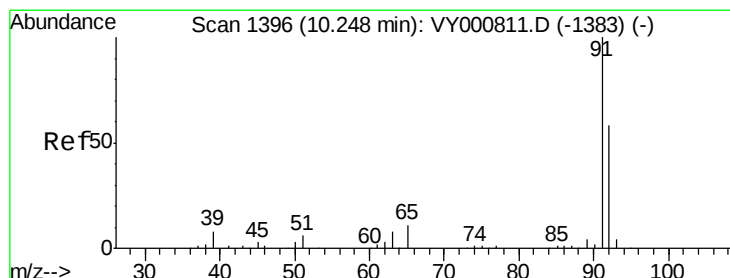
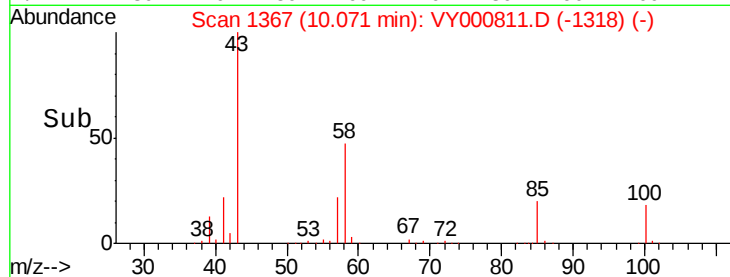
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.048 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000811.D

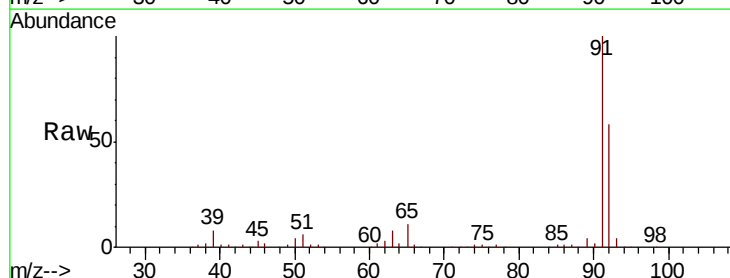
Acq: 27 Nov 2019 11:38

Tgt Ion: 92 Resp: 547747

Ion Ratio Lower Upper

92 100

91 170.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.25

600000

500000

400000

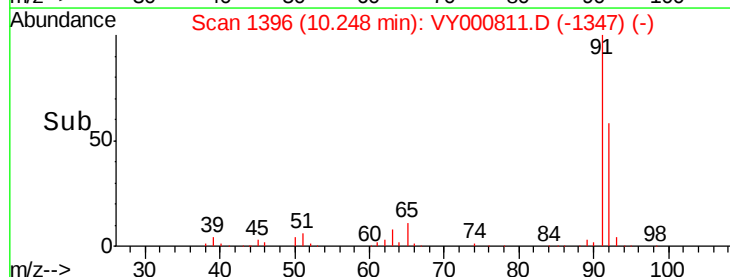
300000

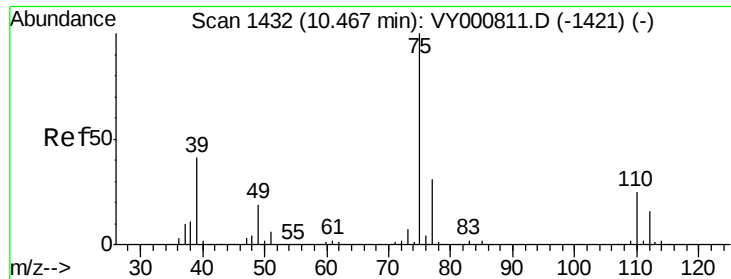
200000

100000

0

Time-->





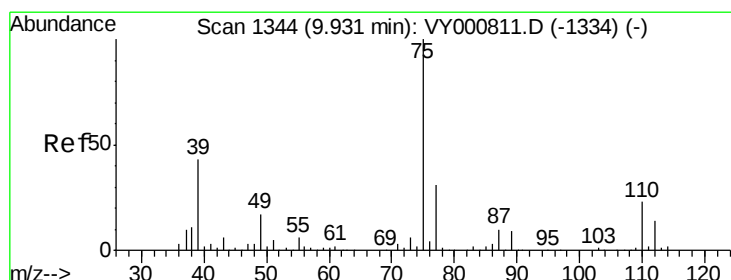
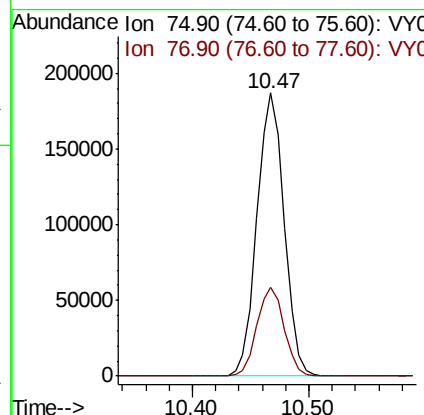
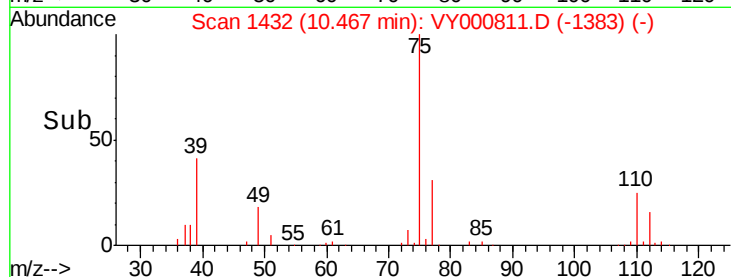
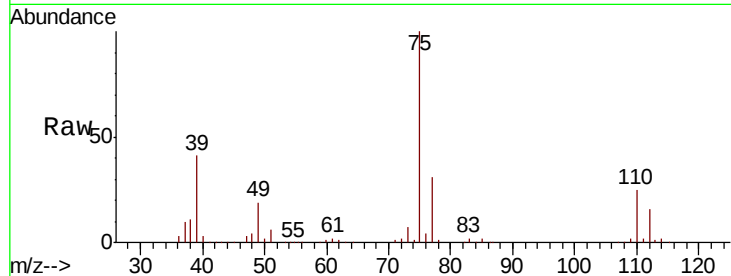
#53
t-1,3-Dichloropropene
Concen: 54.565 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 305142
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

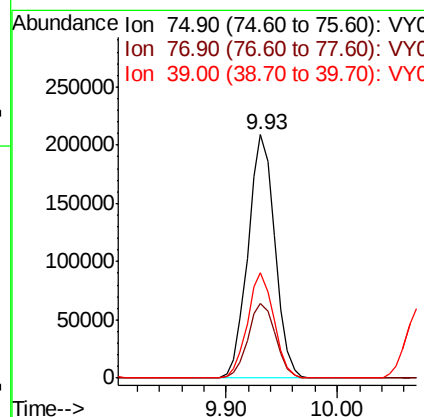
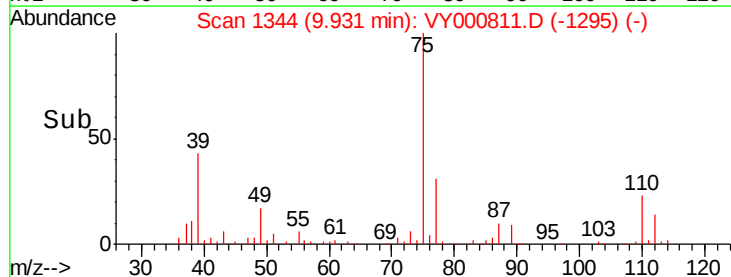
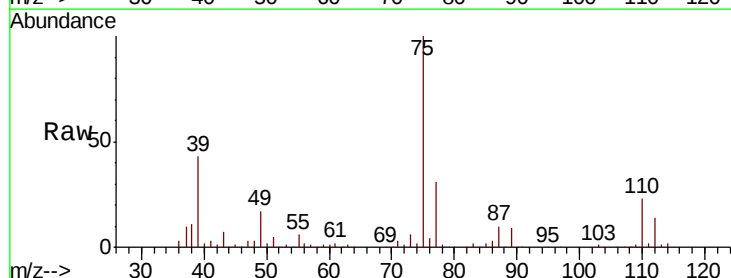
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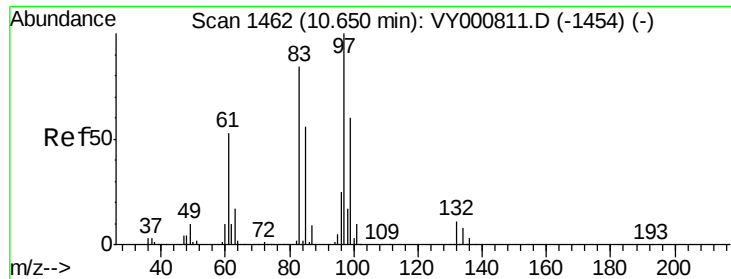
MMDadoda
12/2/2019 11:37:26 AM



#54
cis-1,3-Dichloropropene
Concen: 54.346 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion: 75 Resp: 349513
Ion Ratio Lower Upper
75 100
77 30.9 24.7 37.1
39 43.1 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 53.772 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

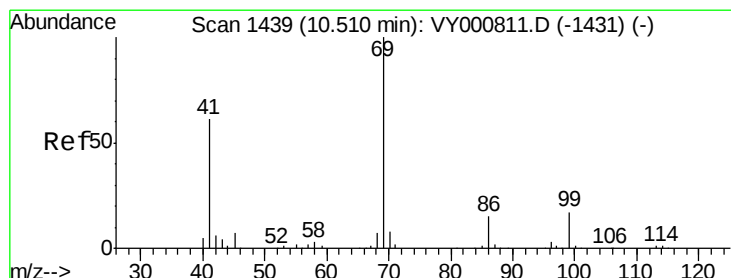
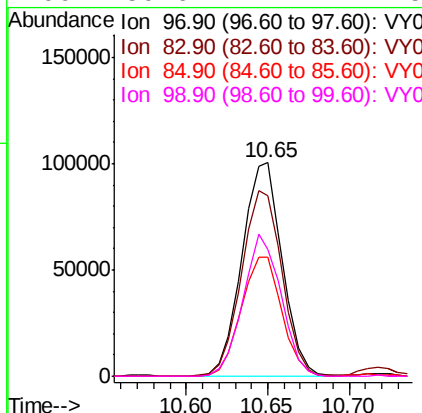
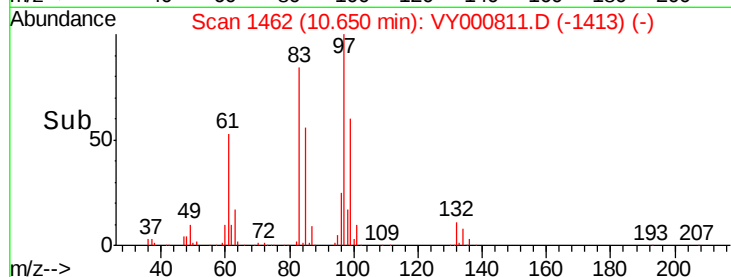
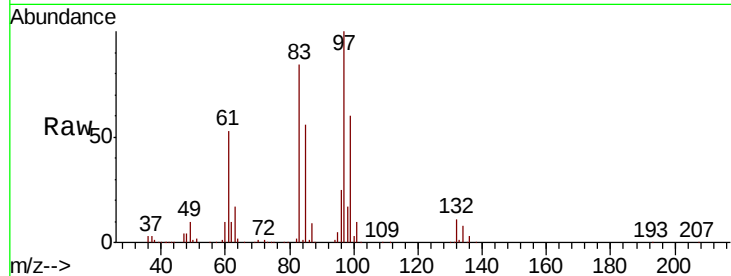
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	172475
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.5	101.3
85	55.6	44.5	66.7
99	59.6	47.7	71.5

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#56

Ethyl methacrylate

Concen: 57.514 ug/l

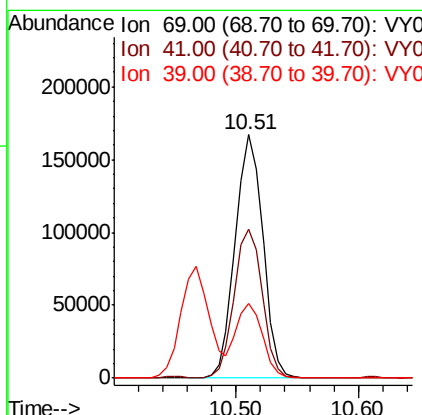
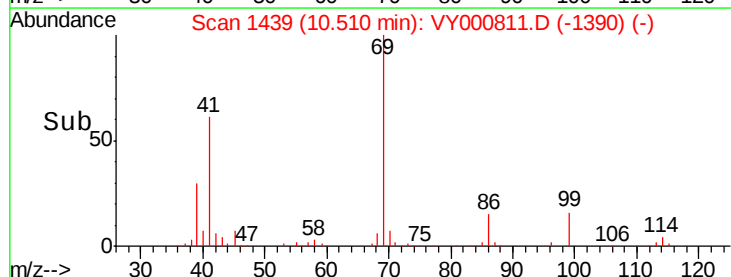
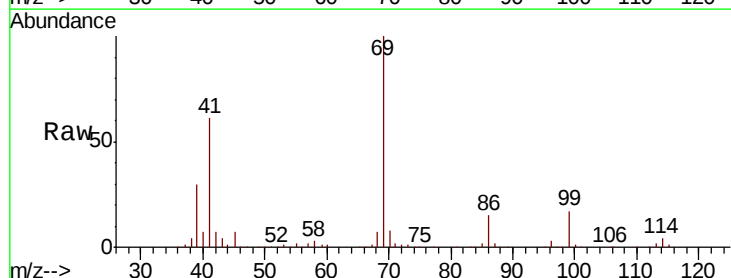
RT: 10.51 min Scan# 1439

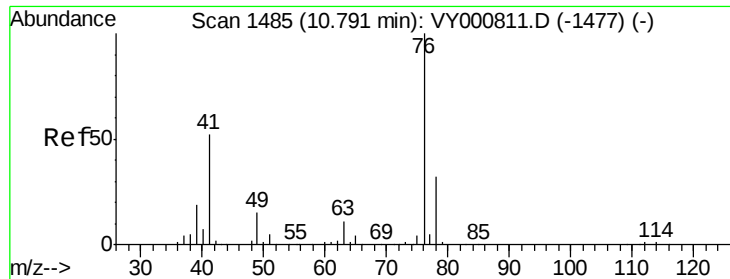
Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Tgt Ion:	69	Resp:	262970
Ion	Ratio	Lower	Upper
69	100		
41	61.3	49.0	73.6
39	28.9	23.1	34.7





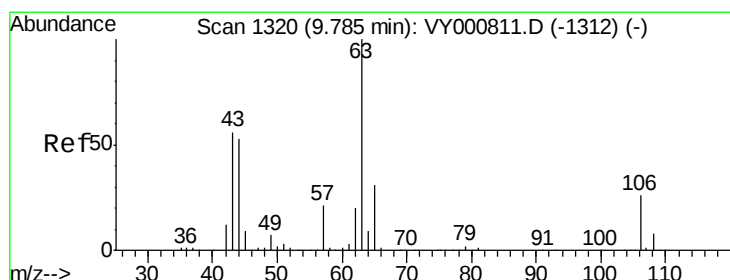
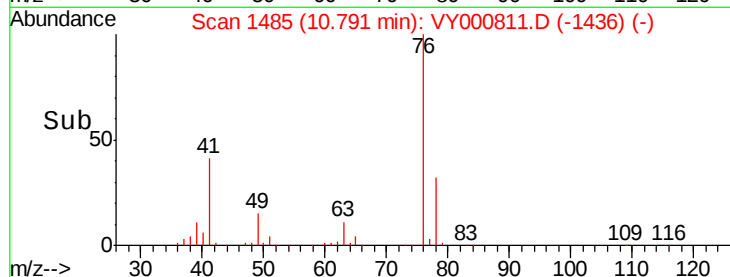
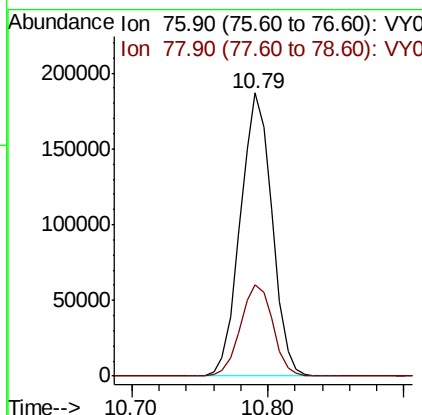
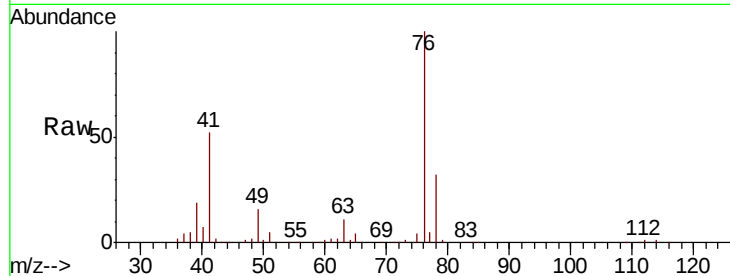
#57
 1,3-Dichloropropane
 Concen: 54.173 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY000811.D
 Acq: 27 Nov 2019 11:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 303870
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.4 39.6

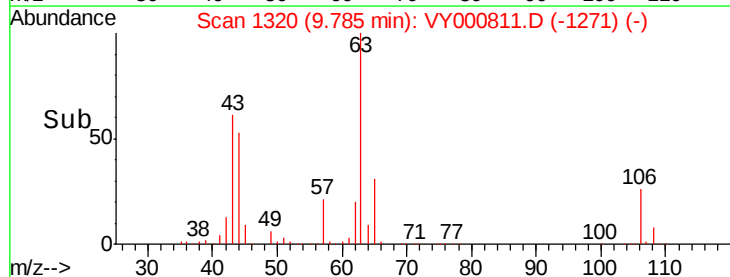
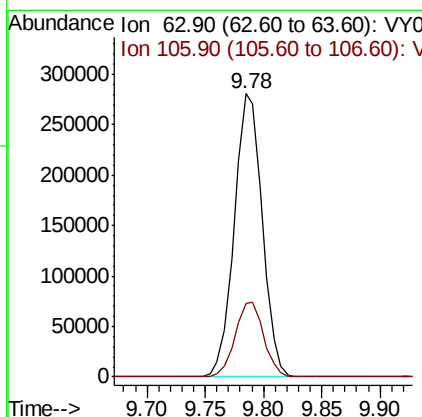
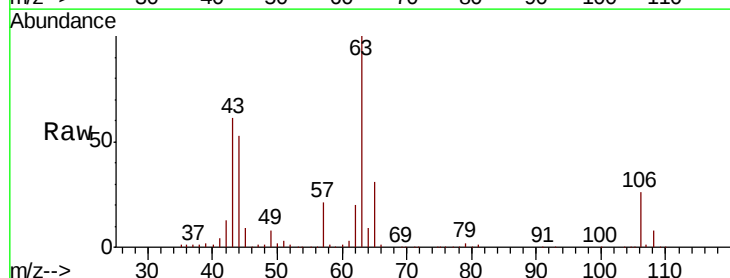
Manual Integrations
 APPROVED

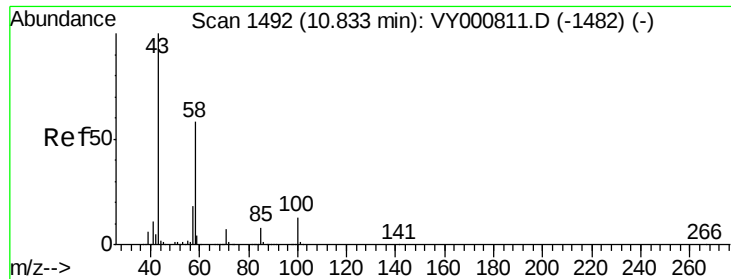
MMDadoda
 12/2/2019 11:37:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.012 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY000811.D
 Acq: 27 Nov 2019 11:38

Tgt Ion: 63 Resp: 470011
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.5 32.3





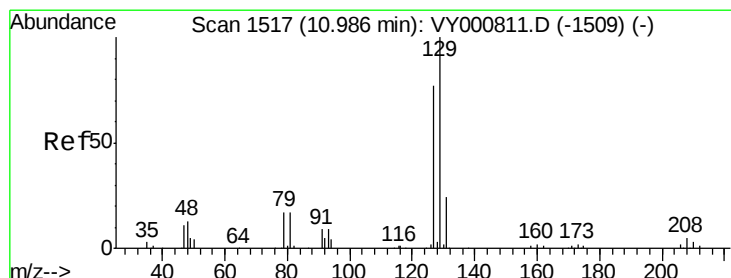
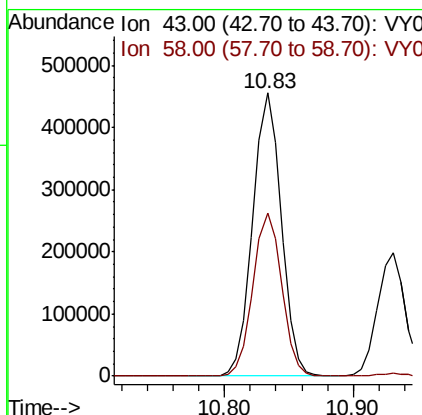
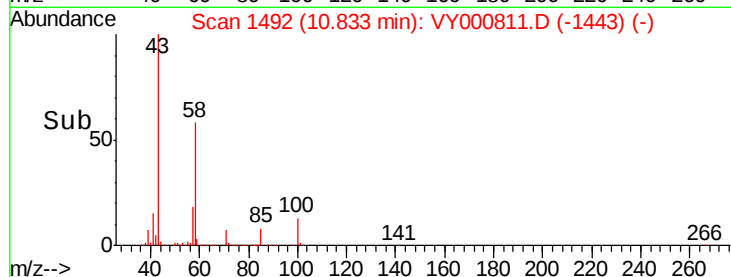
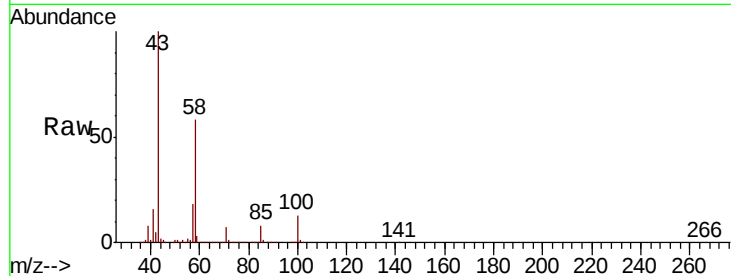
#59
2-Hexanone
Concen: 286.700 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 695561
Ion Ratio Lower Upper
43 100
58 58.1 29.0 87.1

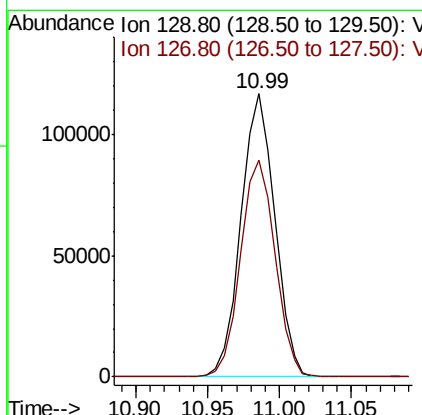
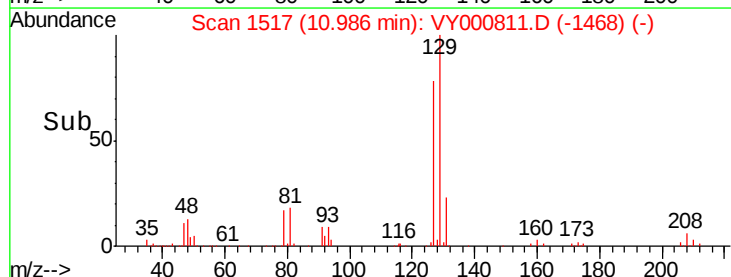
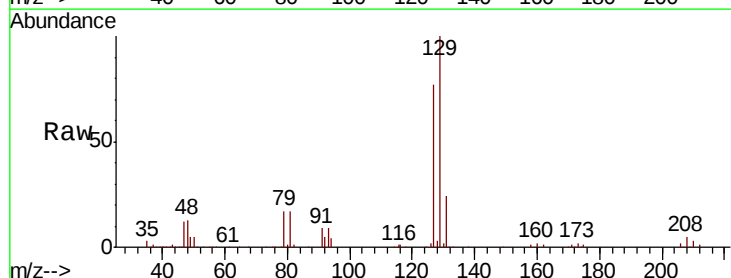
Manual Integrations
APPROVED

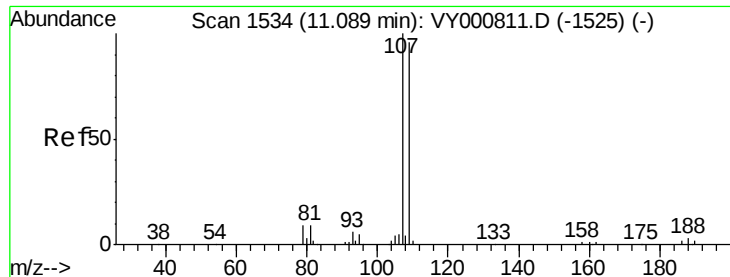
MMDadoda
12/2/2019 11:37:26 AM



#60
Dibromochloromethane
Concen: 52.348 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion: 129 Resp: 190349
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





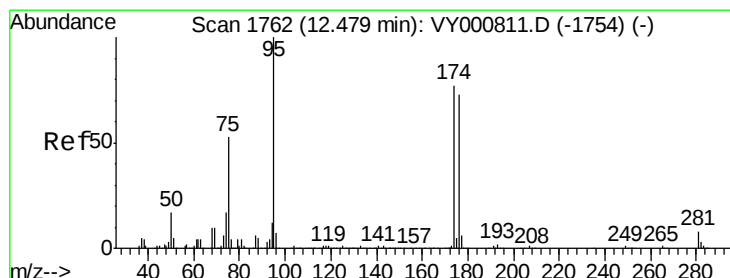
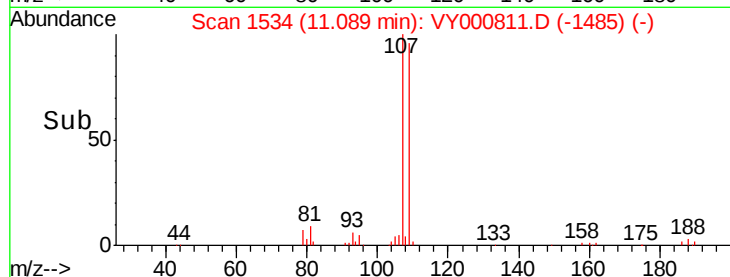
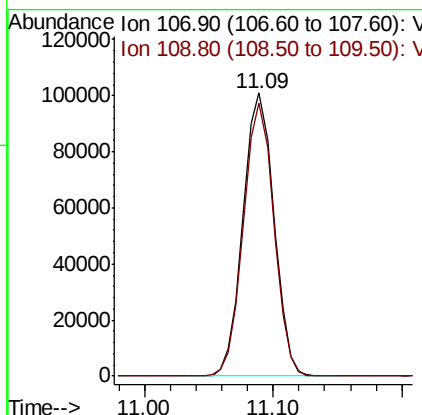
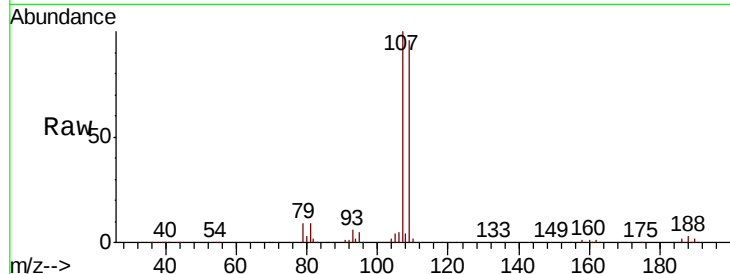
#61
 1,2-Dibromoethane
 Concen: 54.427 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000811.D
 Acq: 27 Nov 2019 11:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9

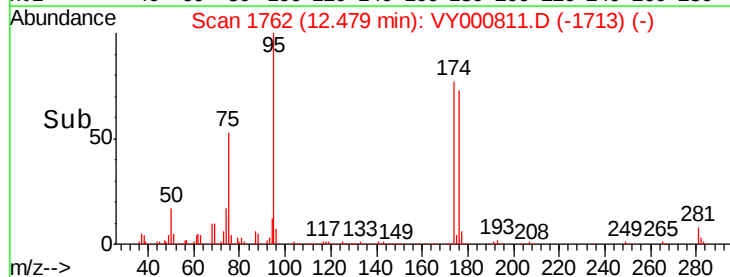
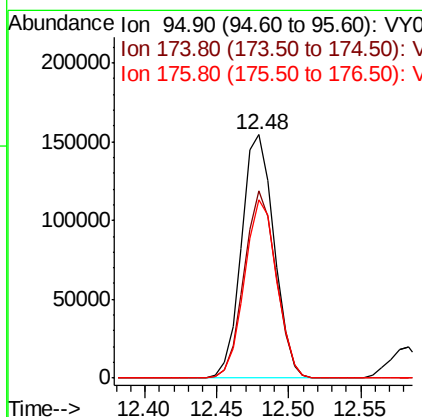
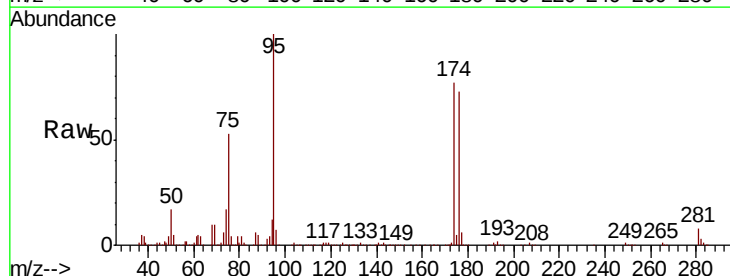
Manual Integrations
 APPROVED

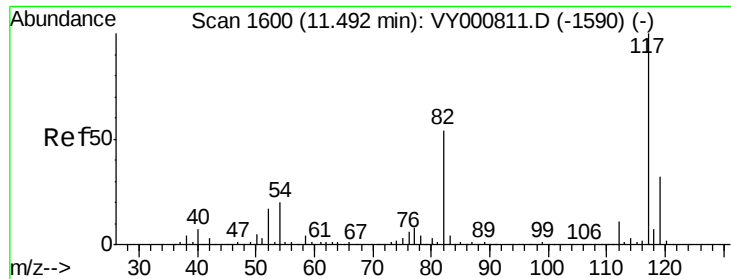
MMDadoda
 12/2/2019 11:37:26 AM



#62
 4-Bromofluorobenzene
 Concen: 49.525 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000811.D
 Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.6
176	72.6	0.0	145.2





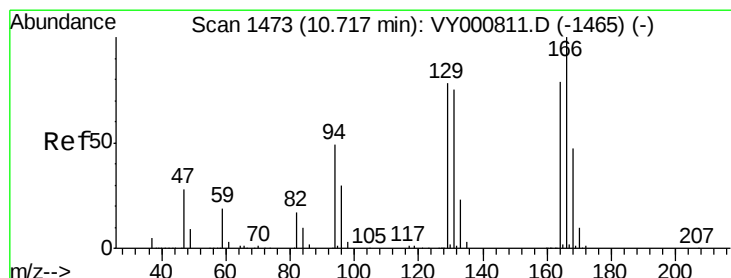
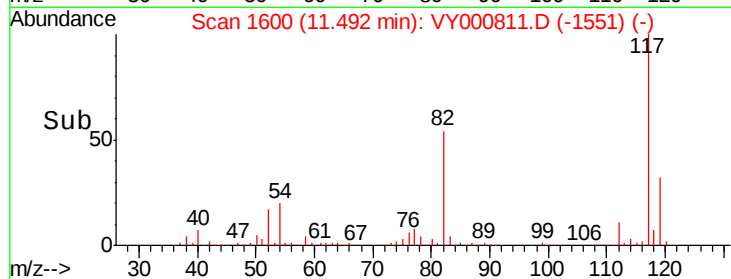
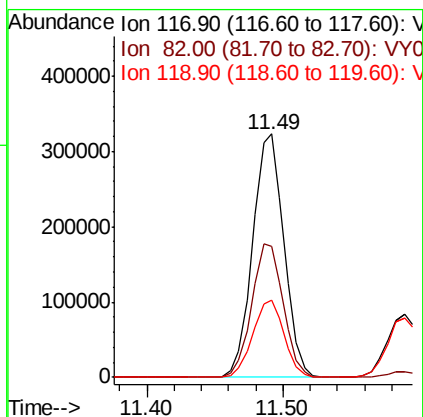
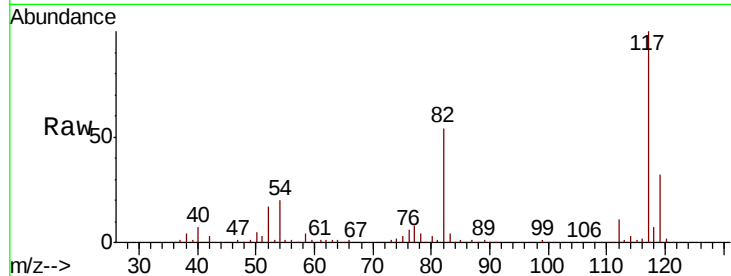
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.1	64.7
119	31.6	25.3	37.9

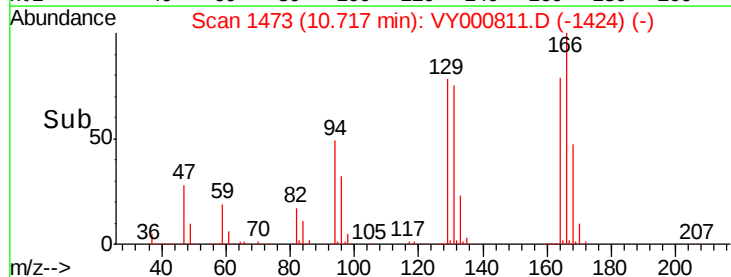
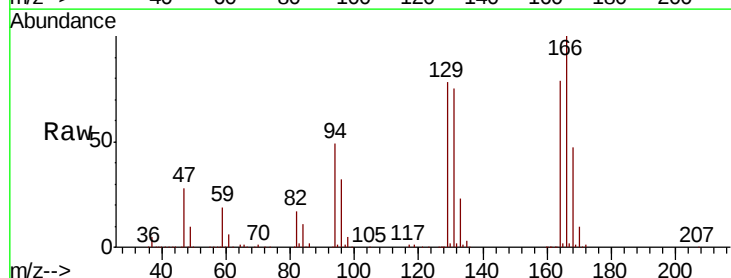
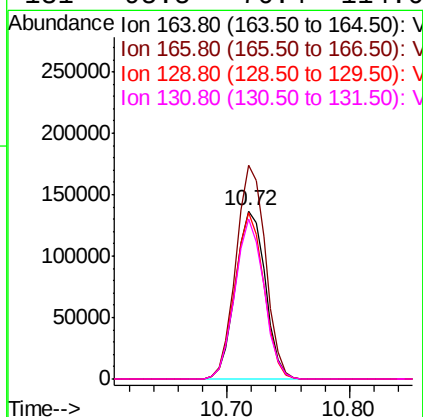
Manual Integrations
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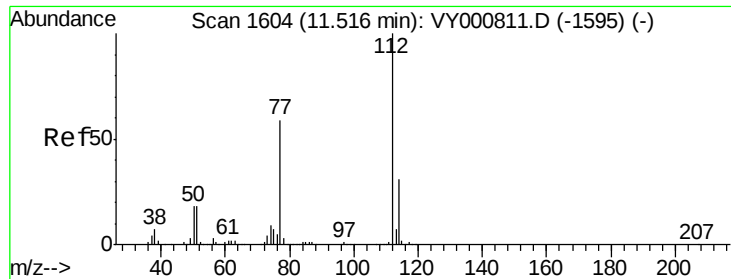
MMDadoda
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#64
Tetrachloroethene
Concen: 52.767 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.8	152.8
129	99.1	79.3	118.9
131	95.5	76.4	114.6





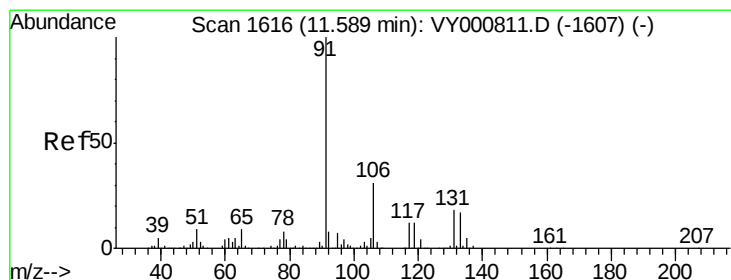
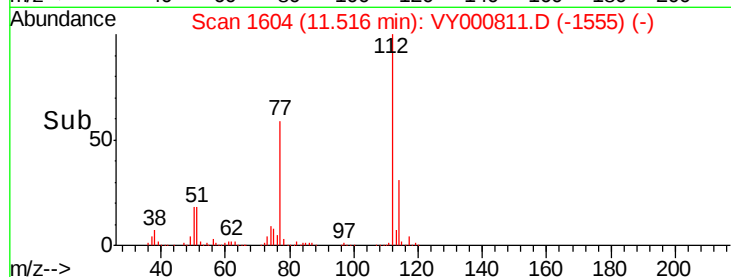
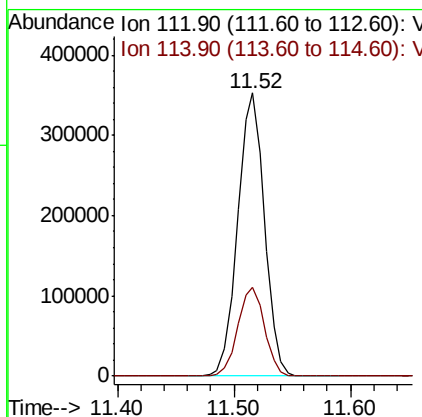
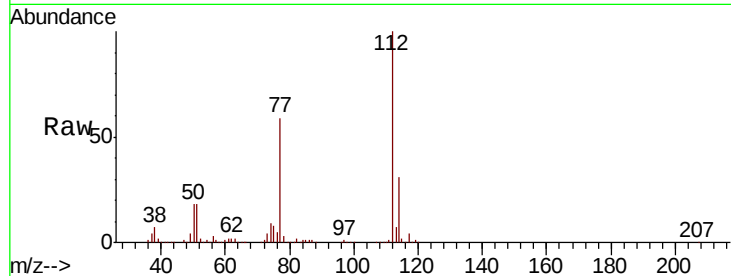
#65
Chlorobenzene
Concen: 52.710 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

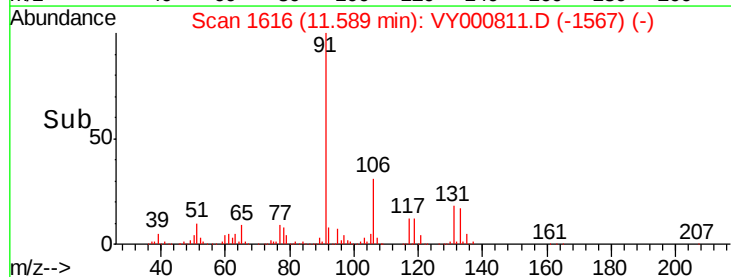
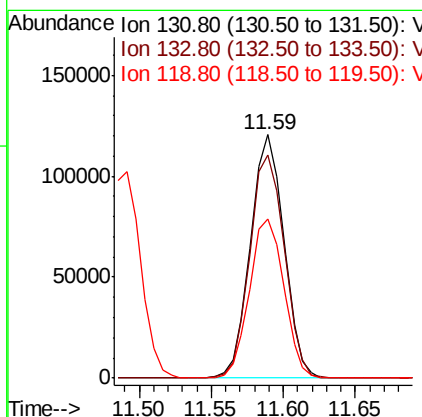
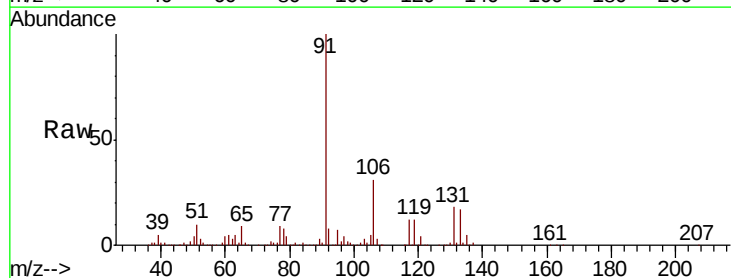
Manual Integrations
APPROVED

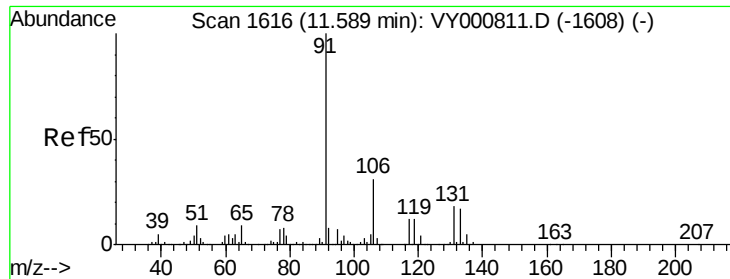
MMDadoda
12/2/2019 11:37:26 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.475 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.4	142.2
119	67.5	33.8	101.3





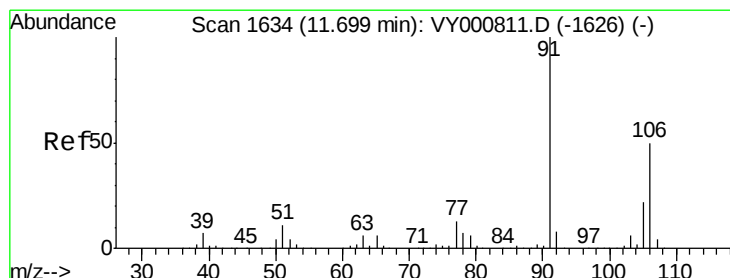
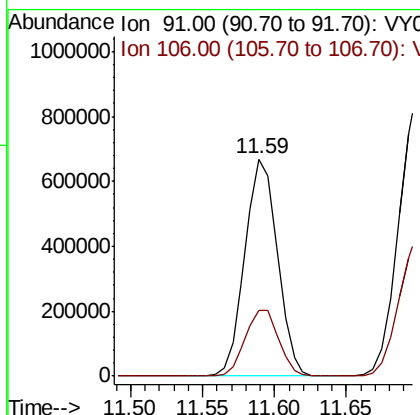
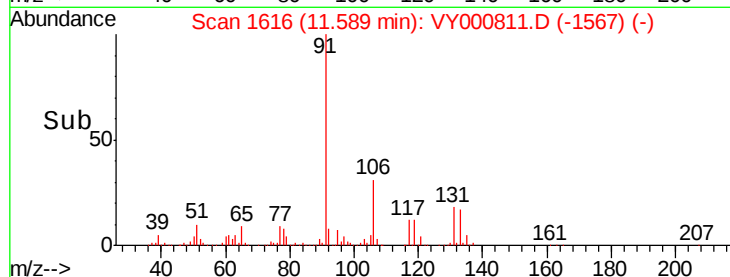
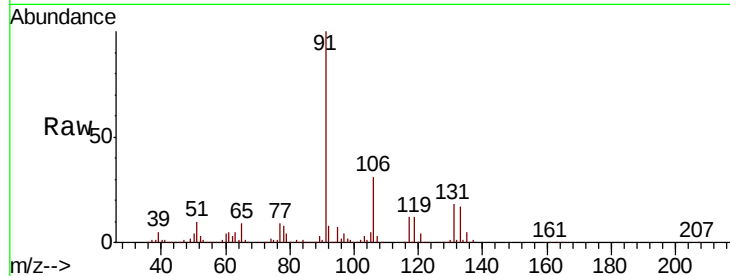
#67
Ethyl Benzene
Concen: 53.411 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1049509
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6

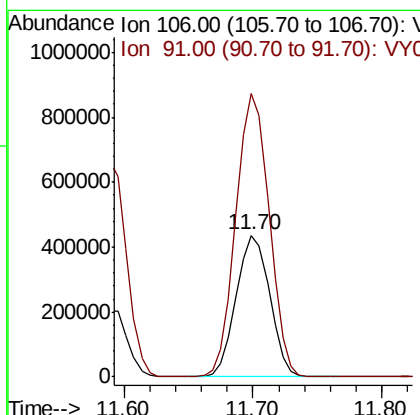
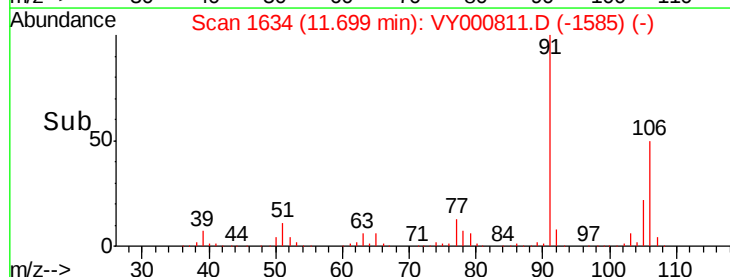
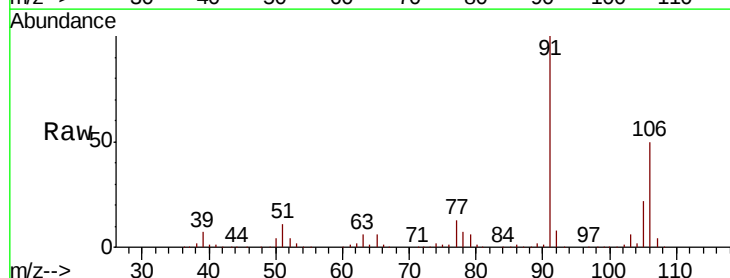
Manual Integrations
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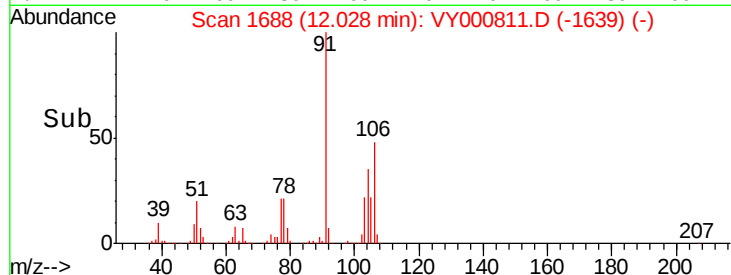
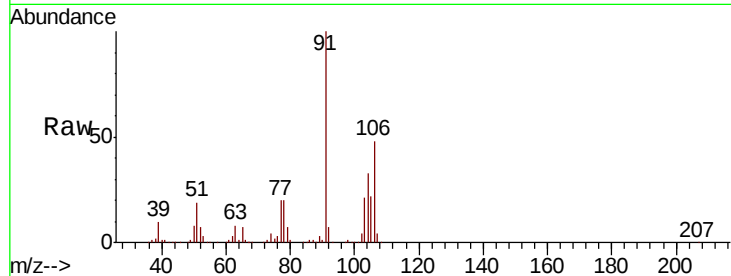
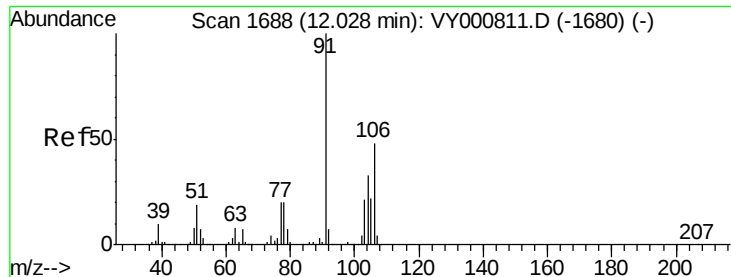
MMDadoda
12/2/2019 11:37:26 AM



#68
m/p-Xylenes
Concen: 104.504 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion: 106 Resp: 789211
Ion Ratio Lower Upper
106 100
91 199.5 159.6 239.4





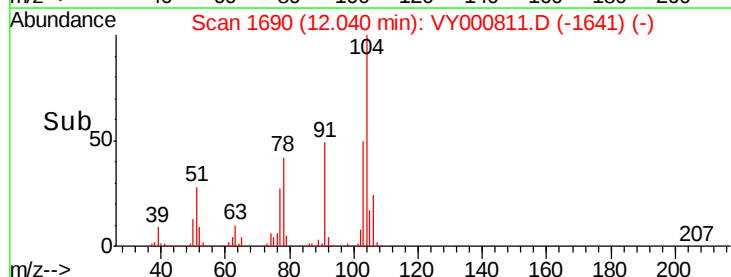
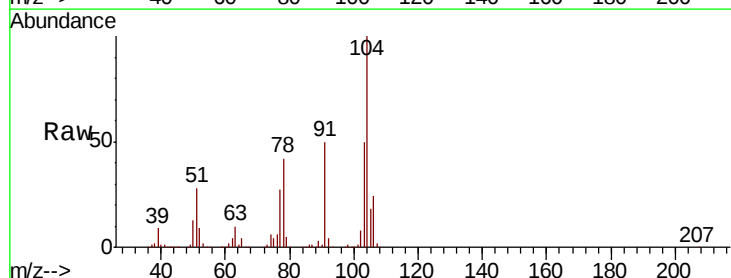
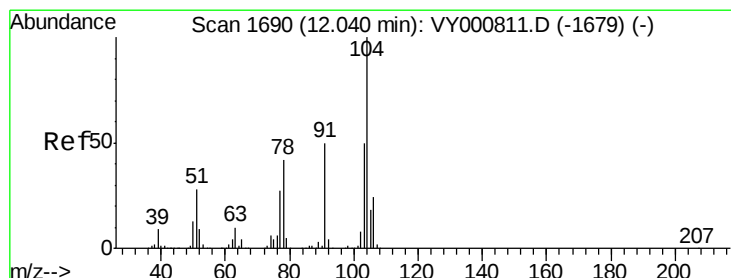
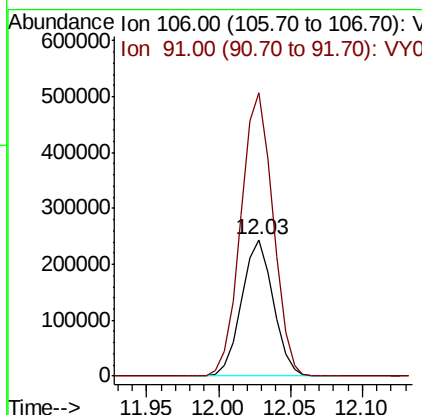
#69
o-Xylene
Concen: 51.953 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tot Ion	Ratio	Resp	Lower	Upper
106	100	370537		
91	212.1	106.1	318.1	

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

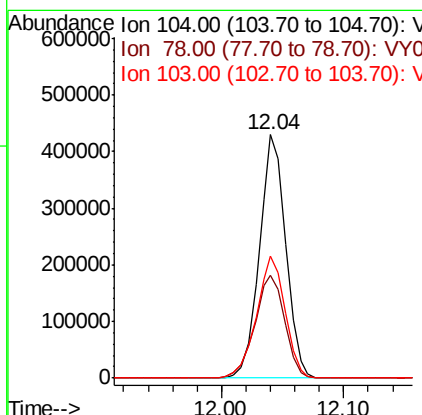
Manual Integrations
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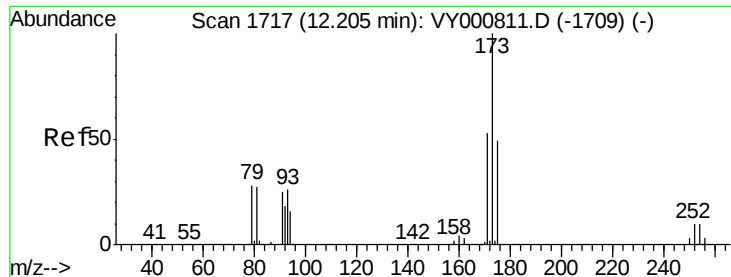
MMDadoda
12/2/2019 11:37:26 AM



#70
Styrene
Concen: 52.951 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	645292		
78	47.8	38.2	57.4	
103	54.2	43.4	65.0	





#71

Bromoform

Concen: 53.648 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 113779

Ion Ratio Lower Upper

173 100

175 49.0 24.5 73.5

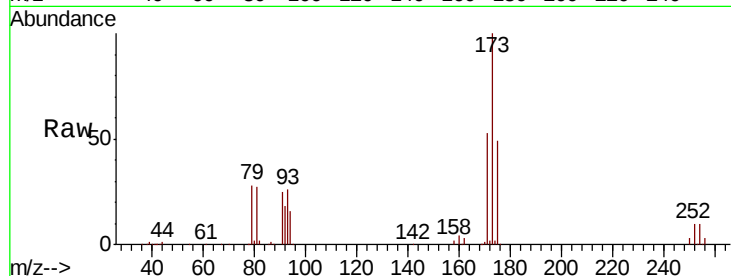
254 0.0 0.0 0.0#

Manual Integrations

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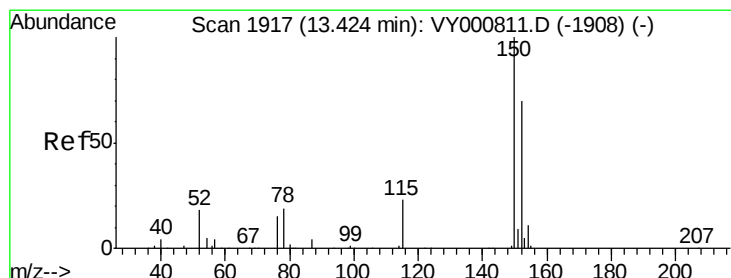
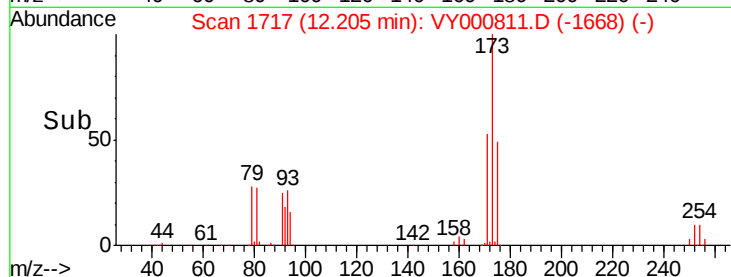
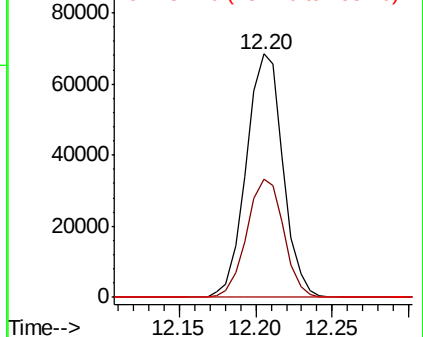
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

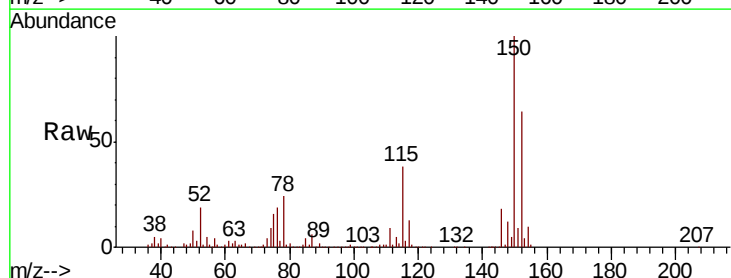
Tgt Ion:152 Resp: 246313

Ion Ratio Lower Upper

152 100

115 58.5 29.3 87.8

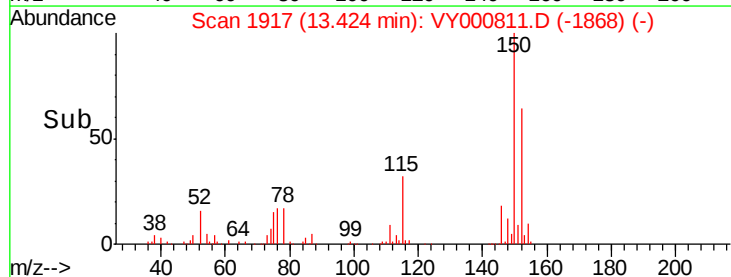
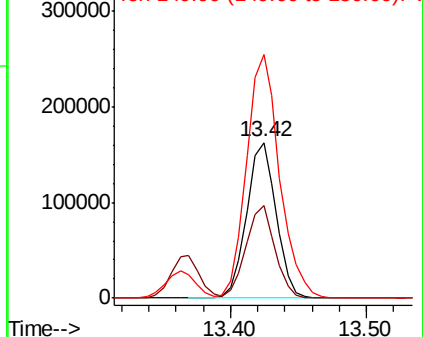
150 175.6 0.0 351.2

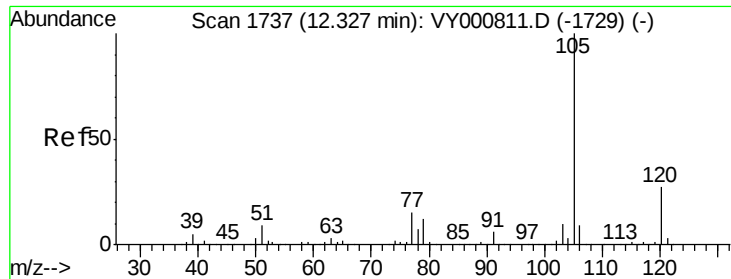


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.108 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1003823

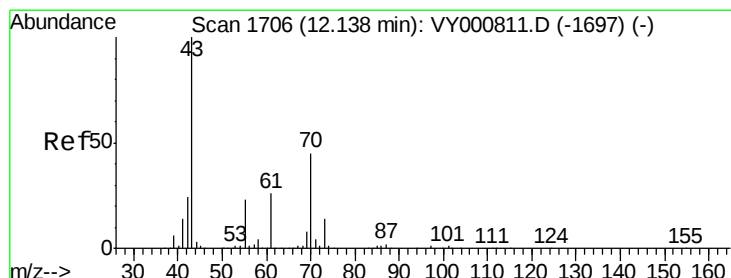
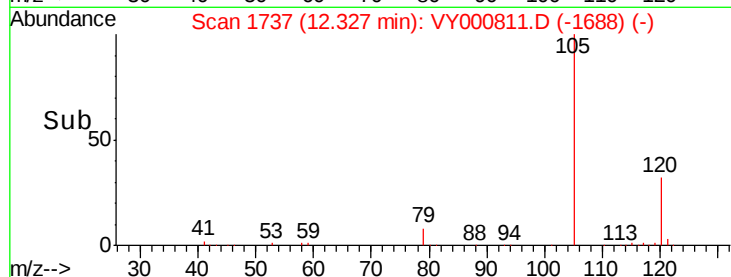
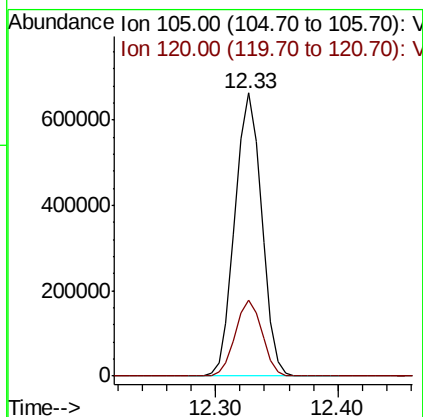
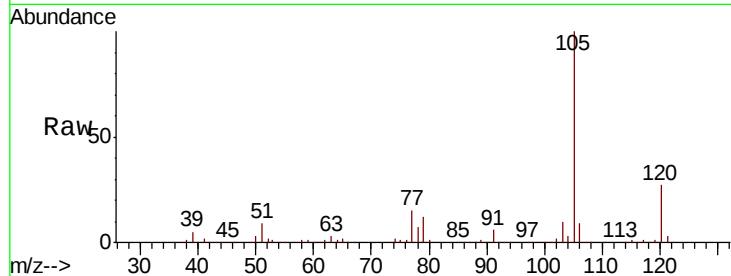
Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2

Manual Integrations
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#74

N-ethyl acetate

Concen: 55.428 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Tgt Ion: 43 Resp: 294624

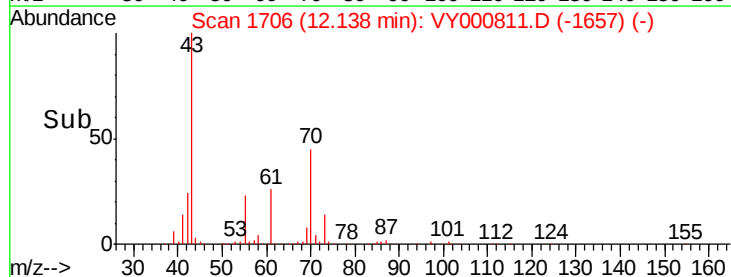
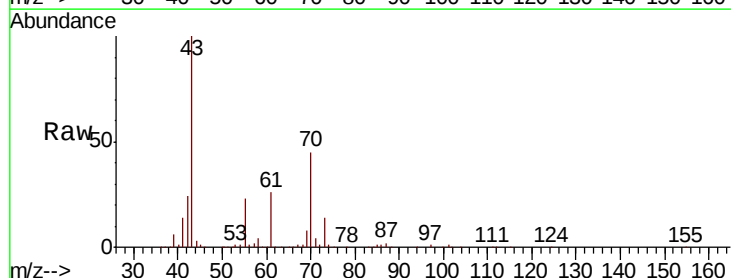
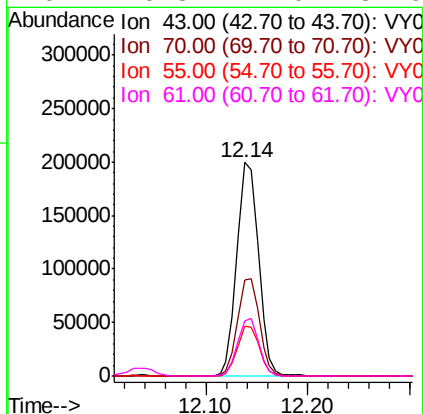
Ion Ratio Lower Upper

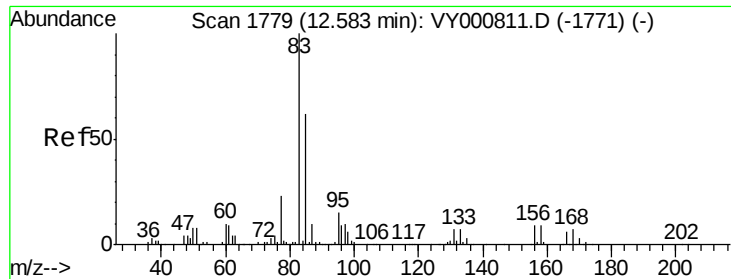
43 100

70 45.7 36.6 54.8

55 23.5 18.8 28.2

61 26.3 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 56.243 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

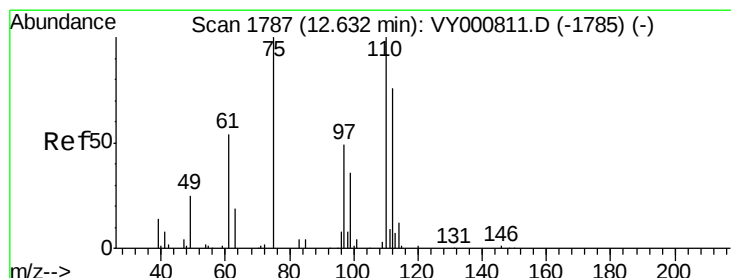
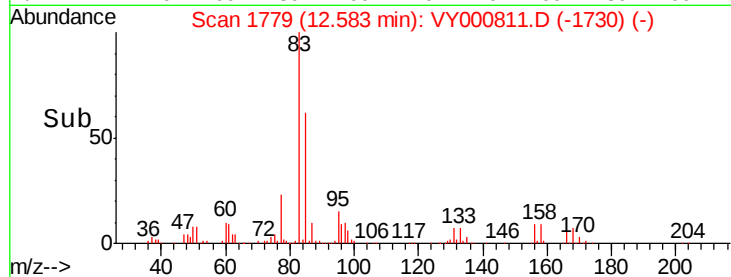
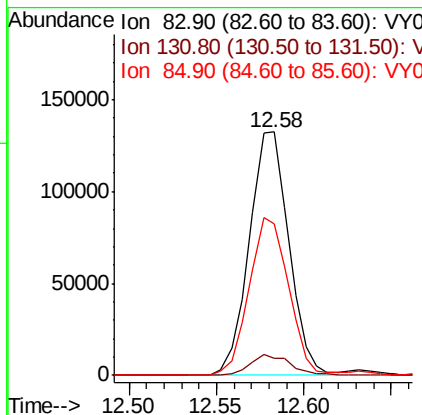
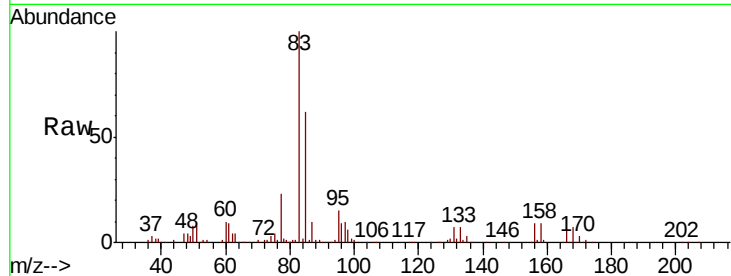
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	209035
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.3	13.1
85	64.7	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.305 ug/l m

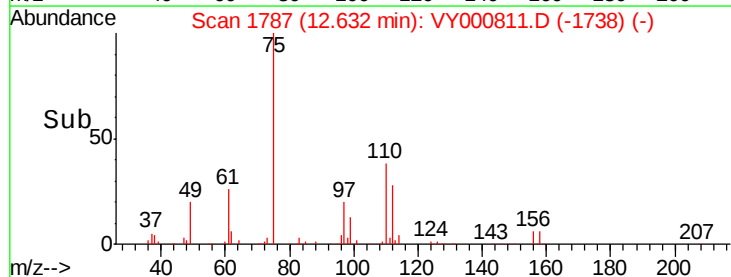
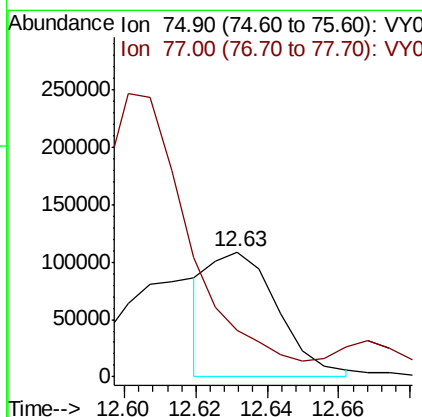
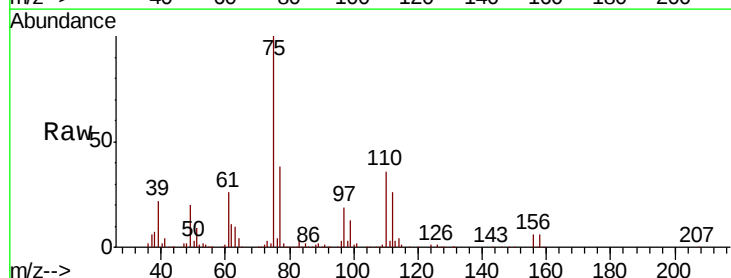
RT: 12.63 min Scan# 1787

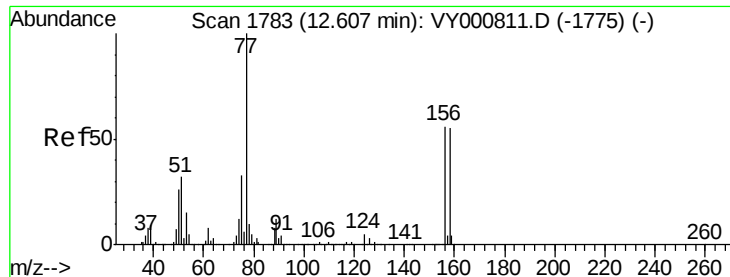
Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Tgt Ion:	75	Resp:	144731
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.845 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 221676

Ion Ratio Lower Upper

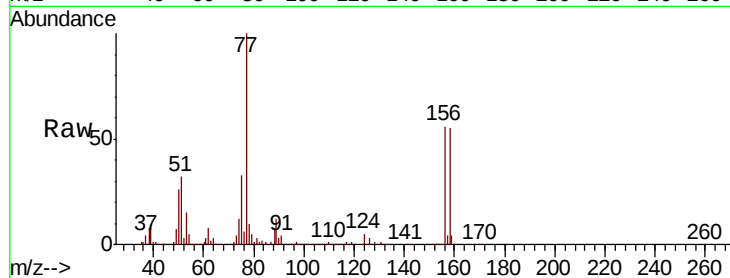
156 100

77 205.1 102.6 307.7

158 95.2 47.6 142.8

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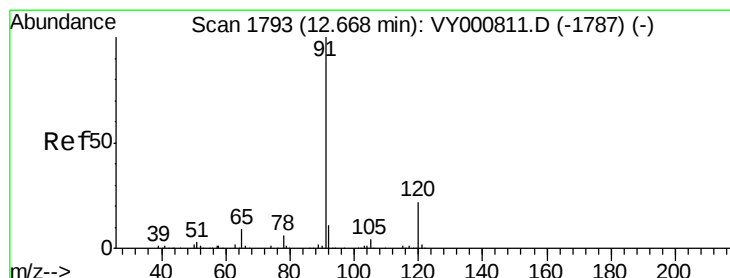
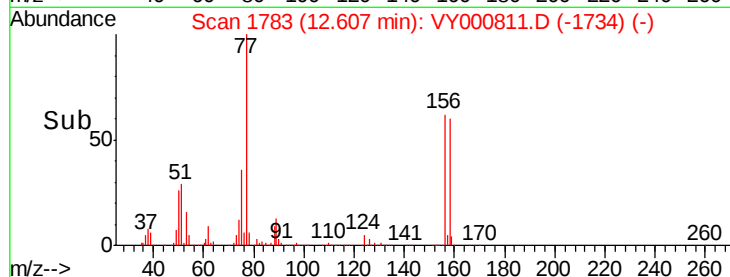
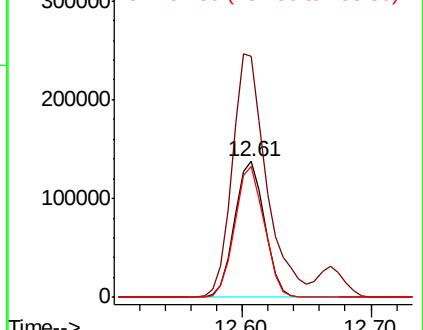
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.916 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY000811.D

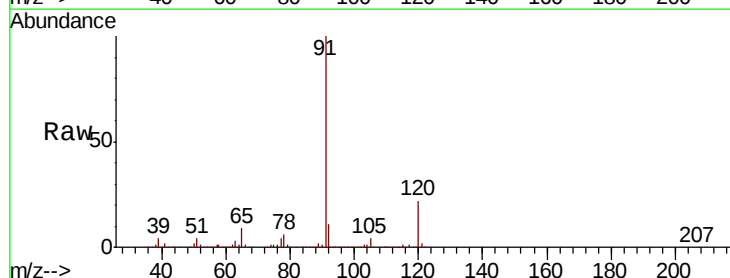
Acq: 27 Nov 2019 11:38

Tgt Ion: 91 Resp: 1231140

Ion Ratio Lower Upper

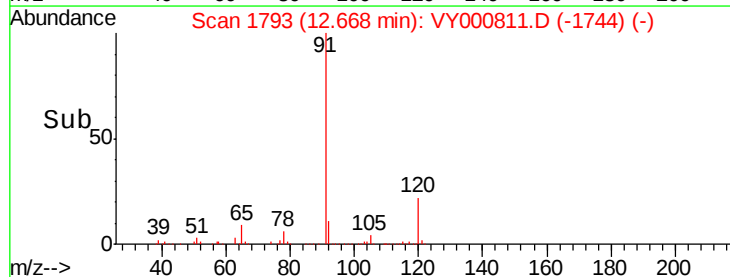
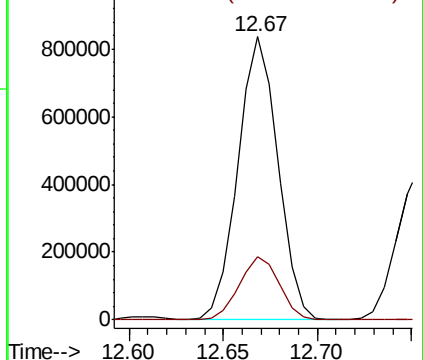
91 100

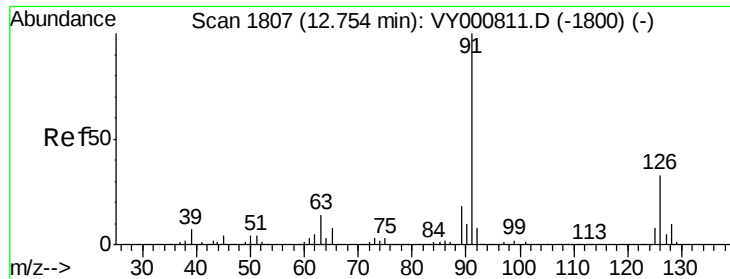
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.117 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 673274

Ion Ratio Lower Upper

91 100

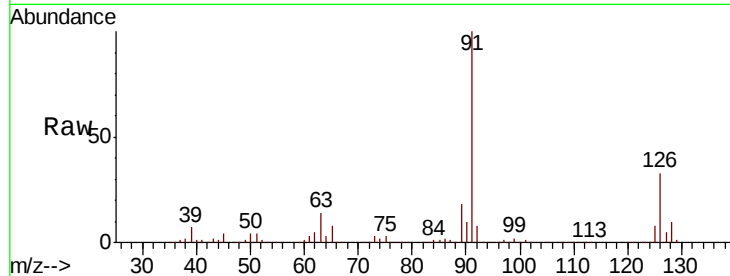
126 34.0 17.0 51.0

Manual Integrations

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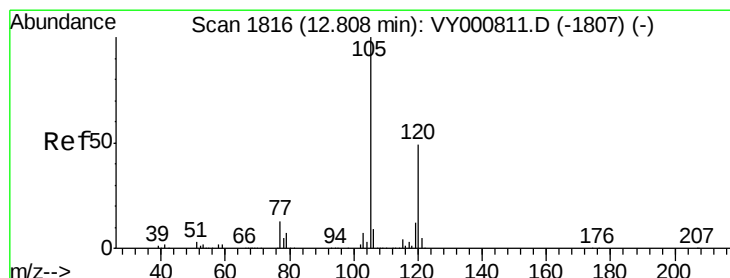
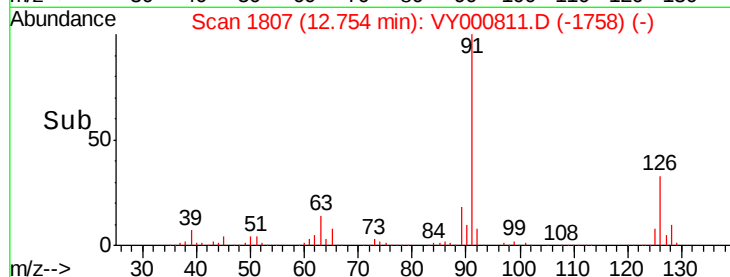
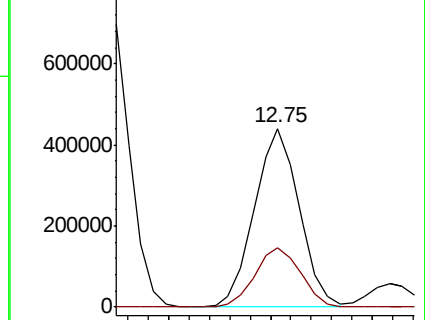
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Abundance Ion 91.00 (90.70 to 91.70): VY000811.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY000811.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.060 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000811.D

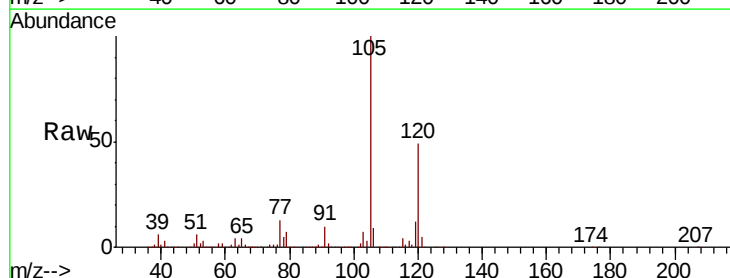
Acq: 27 Nov 2019 11:38

Tgt Ion: 105 Resp: 832742

Ion Ratio Lower Upper

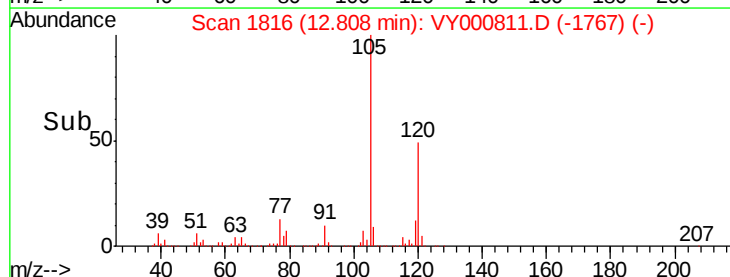
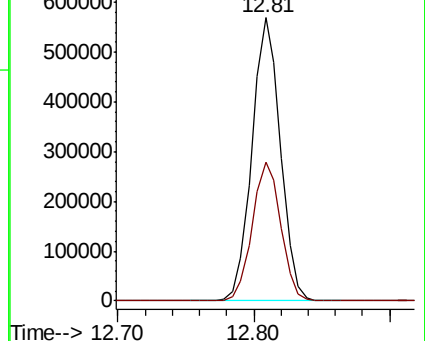
105 100

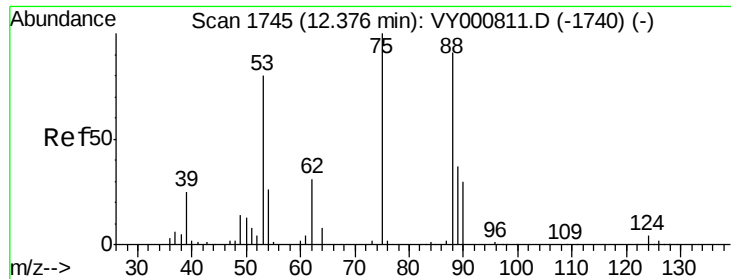
120 49.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VY000811.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY000811.D (-1807) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 61.845 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

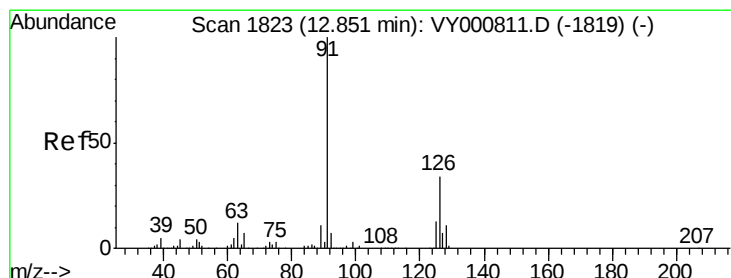
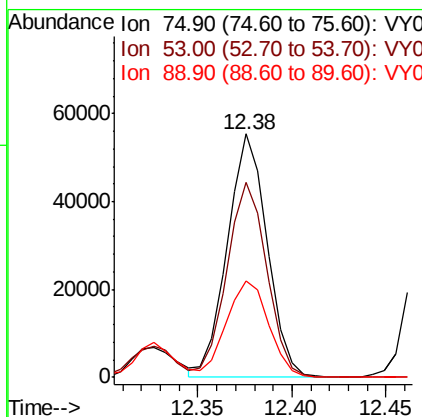
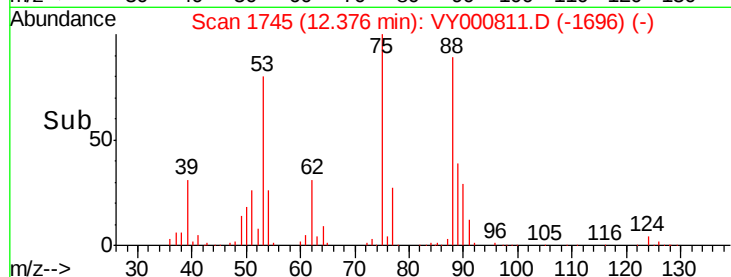
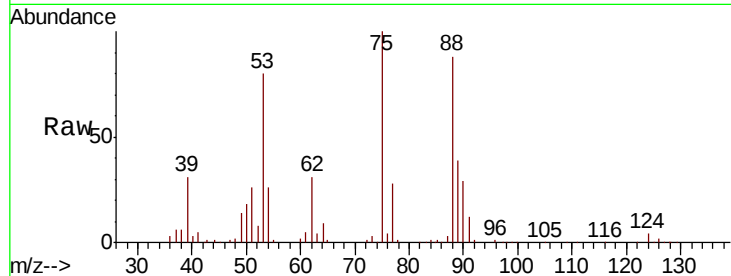
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	80884
Ion Ratio	Lower	Upper	
75	100		
53	80.7	64.6	96.8
89	42.0	33.6	50.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.825 ug/l

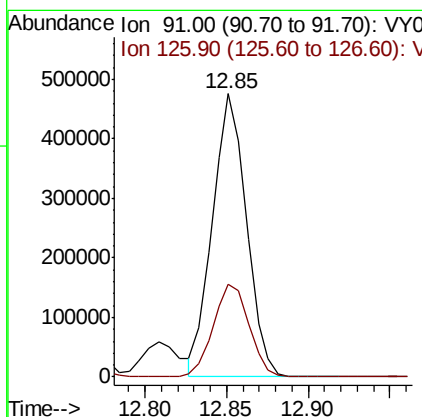
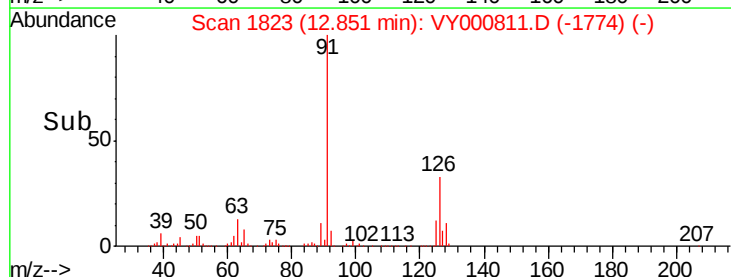
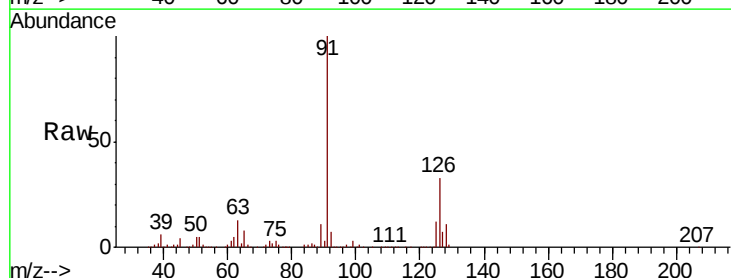
RT: 12.85 min Scan# 1823

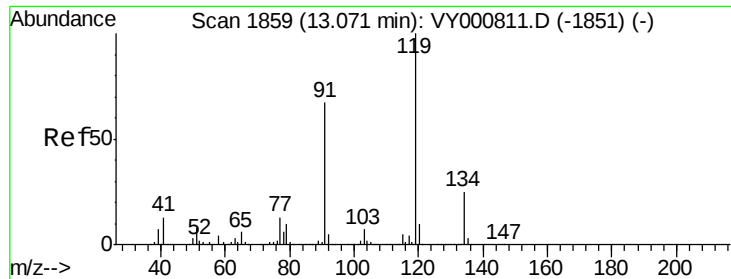
Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Tgt Ion:	91	Resp:	691217
Ion Ratio	Lower	Upper	
91	100		
126	34.6	17.3	51.9





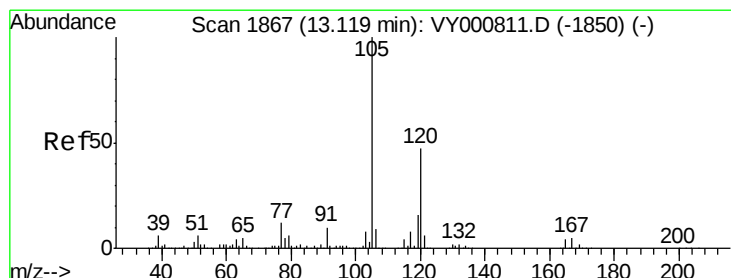
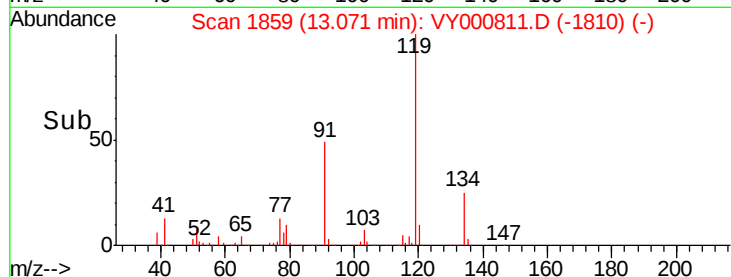
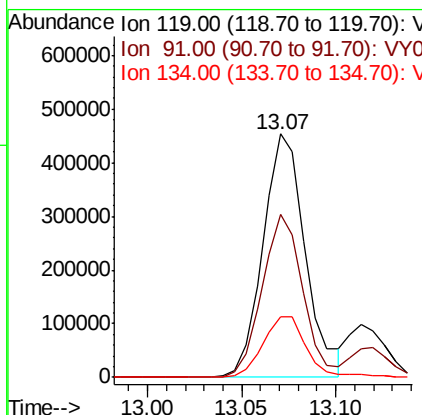
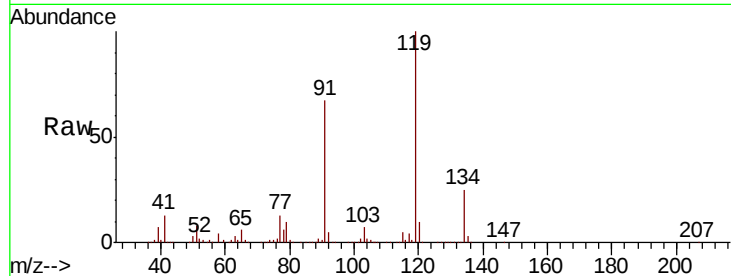
#83
tert-Butylbenzene
Concen: 53.752 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.3	96.8
134	25.8	12.9	38.7

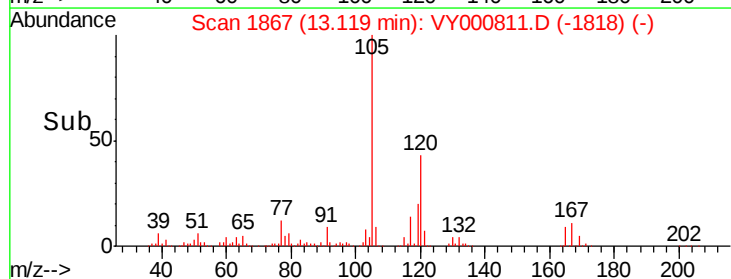
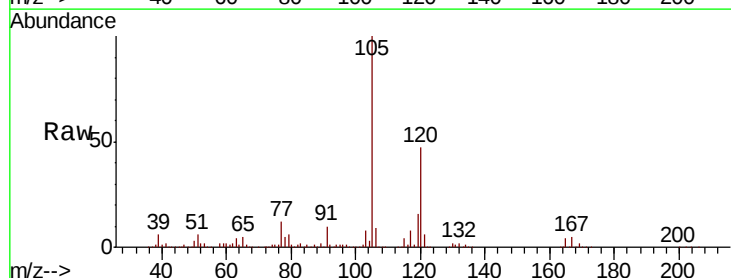
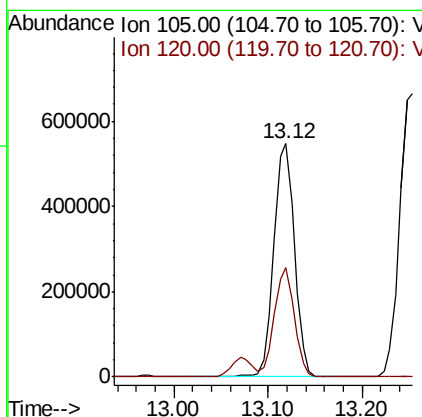
Manual Integrations
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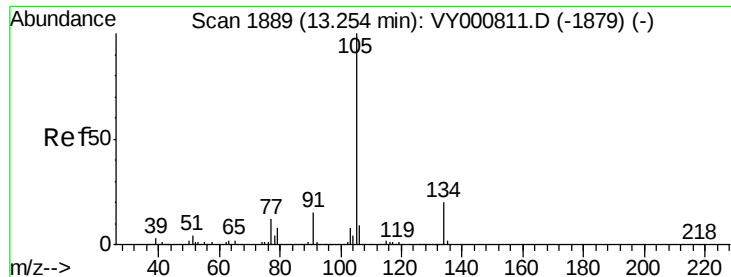
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#84
1,2,4-Trimethylbenzene
Concen: 54.602 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.8





#85

sec-Butylbenzene

Concen: 54.340 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1015838

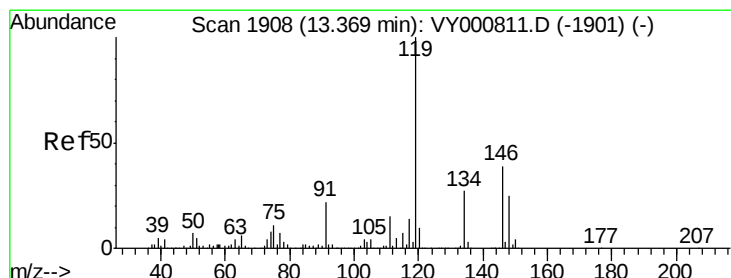
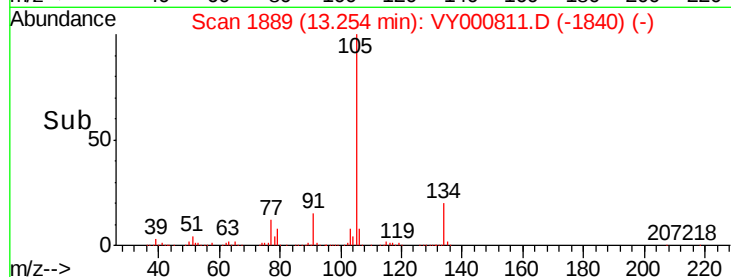
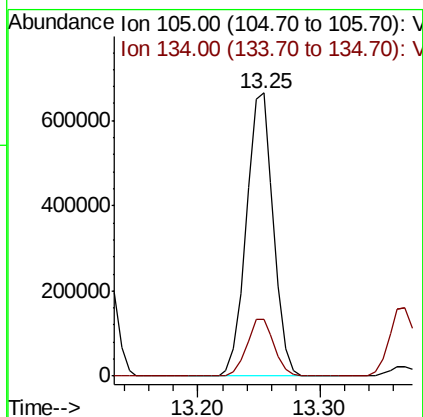
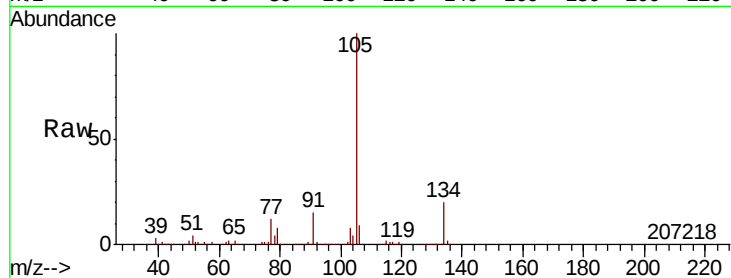
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 53.606 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000811.D

Acq: 27 Nov 2019 11:38

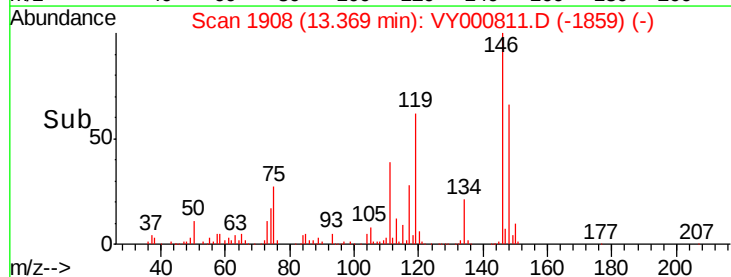
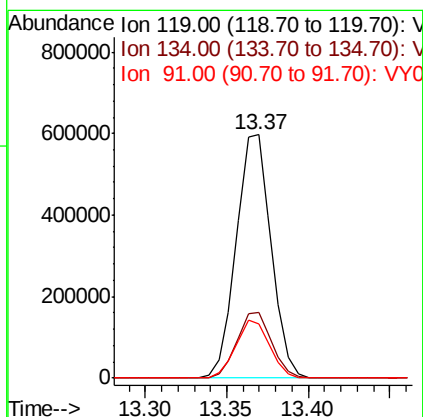
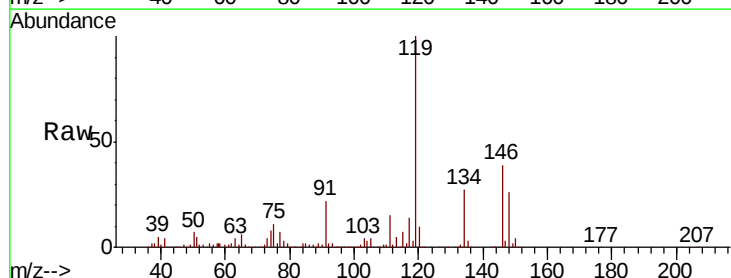
Tgt Ion:119 Resp: 891861

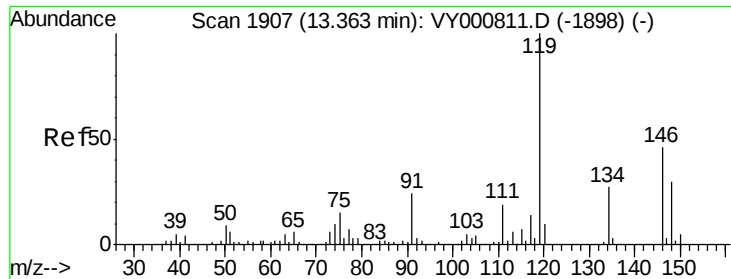
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 23.0 11.5 34.5





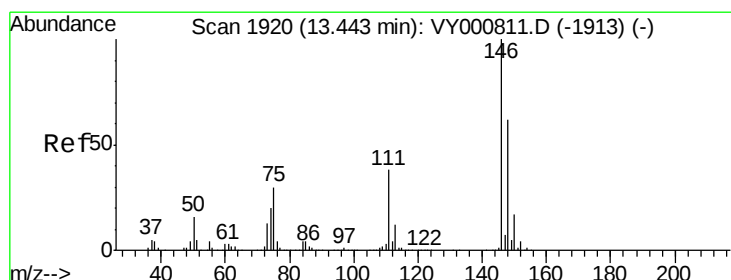
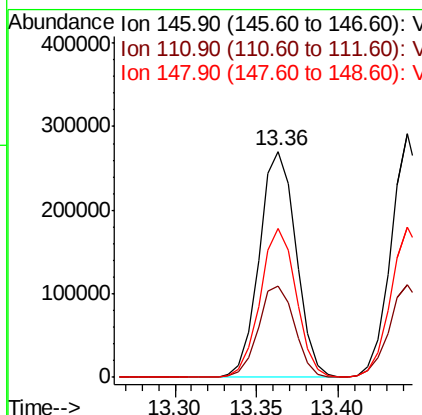
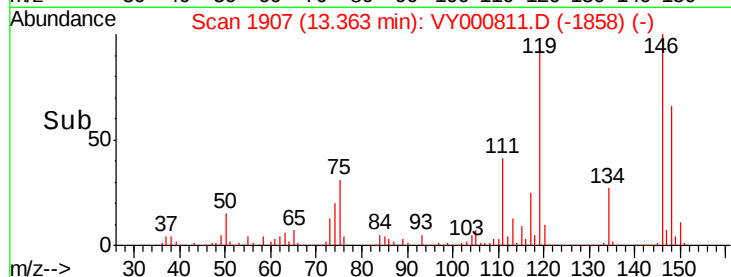
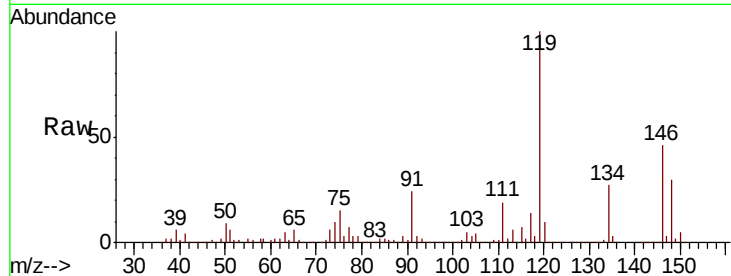
#87
1,3-Dichlorobenzene
Concen: 51.856 ug/l
RT: 13.36 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	64.3	32.1	96.5

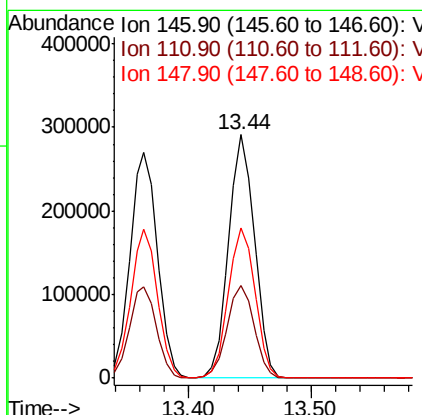
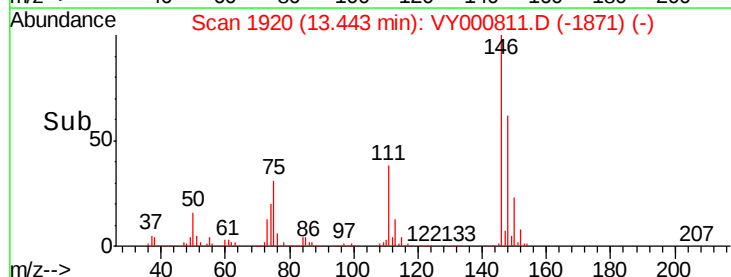
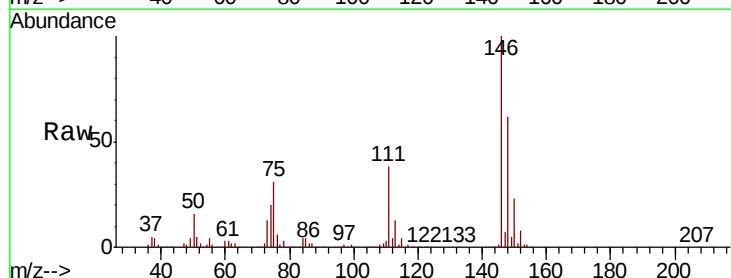
Manual Integrations
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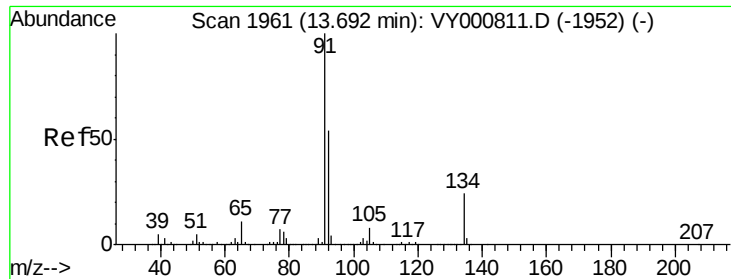
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#88
1,4-Dichlorobenzene
Concen: 52.348 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.4	31.7	95.1





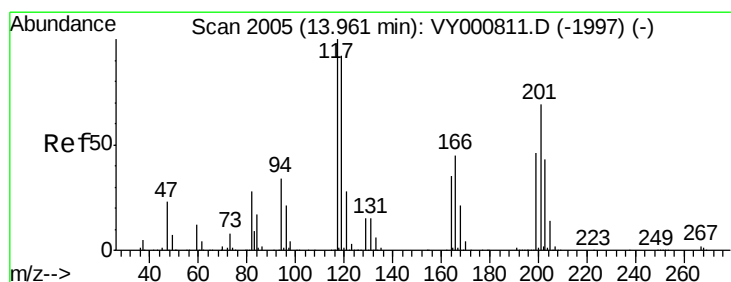
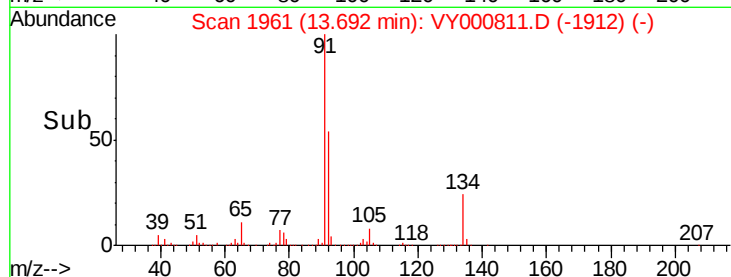
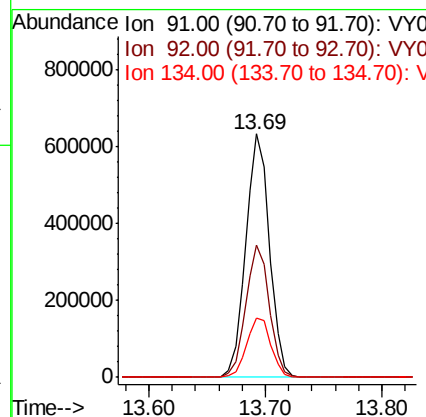
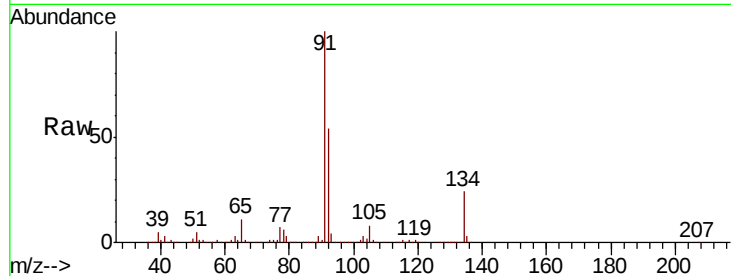
#89
n-Butylbenzene
Concen: 54.671 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.7
134	25.1	12.6	37.6

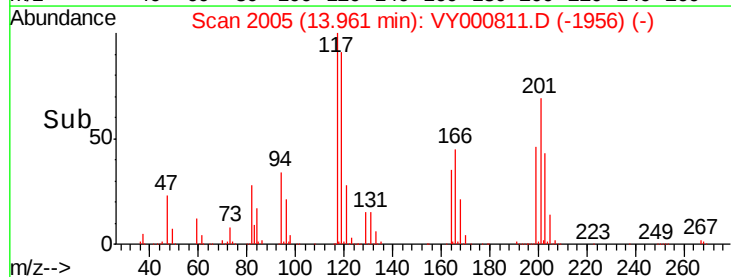
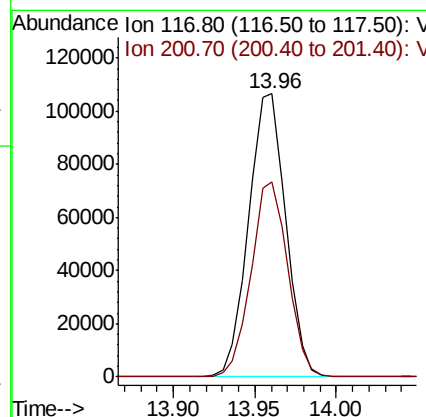
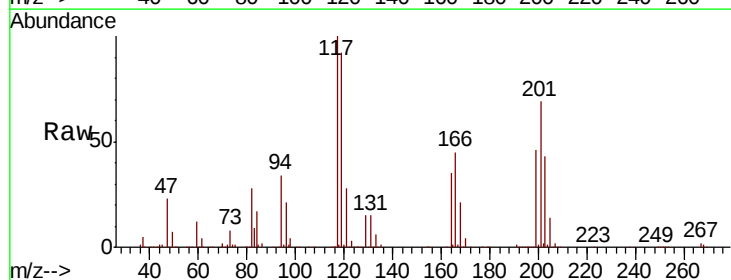
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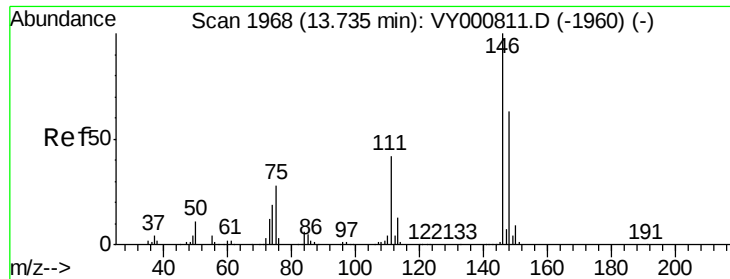
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#90
Hexachloroethane
Concen: 54.878 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.0	102.0





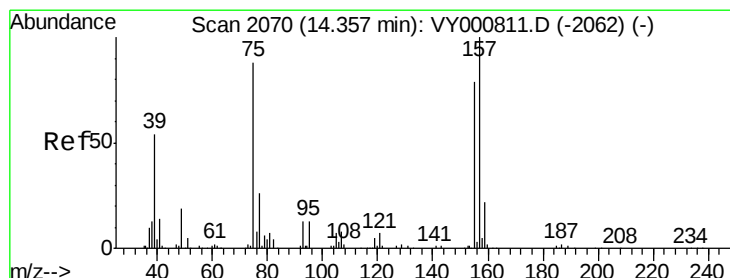
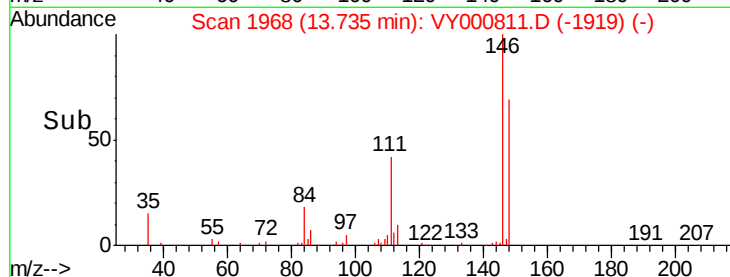
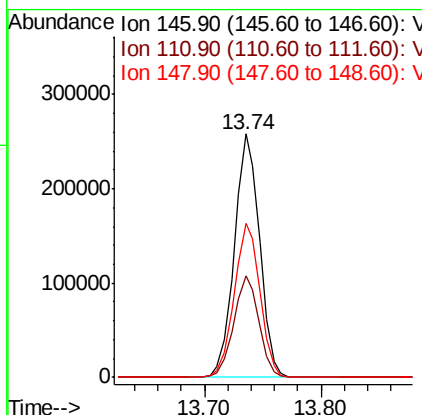
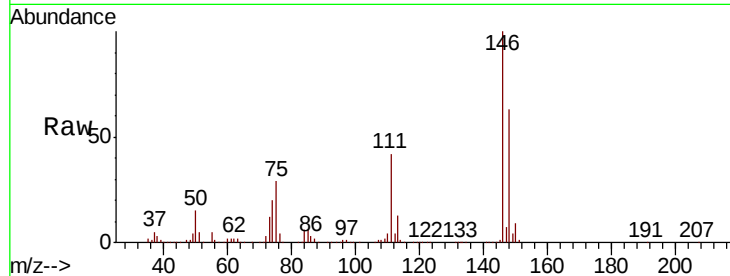
#91
 1,2-Dichlorobenzene
 Concen: 52.486 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000811.D
 Acq: 27 Nov 2019 11:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.9	62.7
148	64.2	32.1	96.3

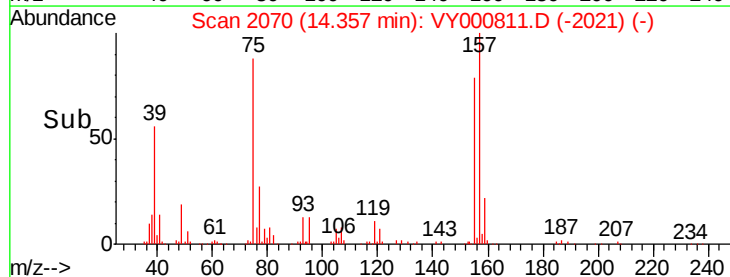
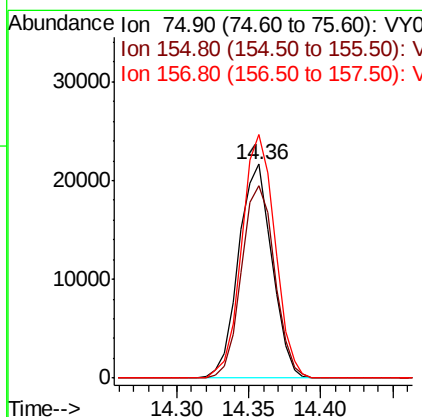
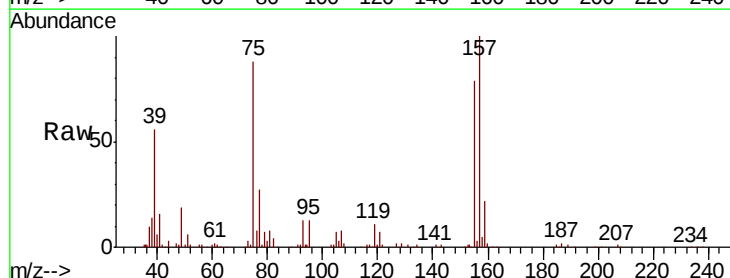
Manual Integrations
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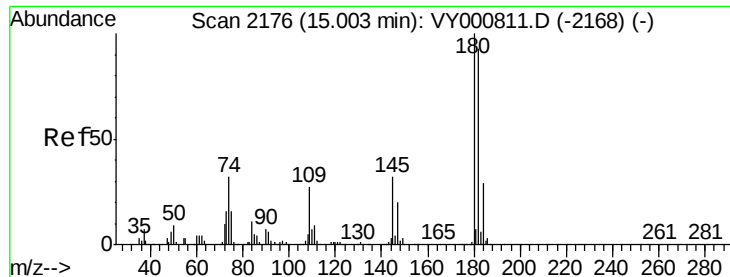
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.660 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000811.D
 Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	44.3	132.9
157	112.6	56.3	168.9





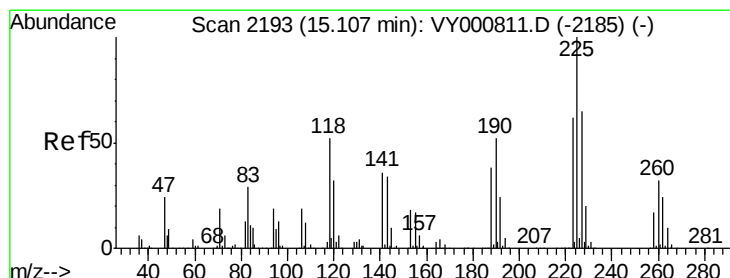
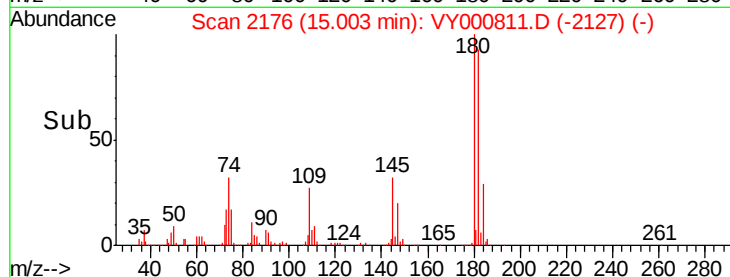
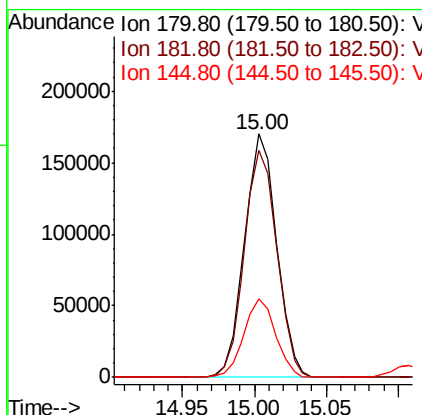
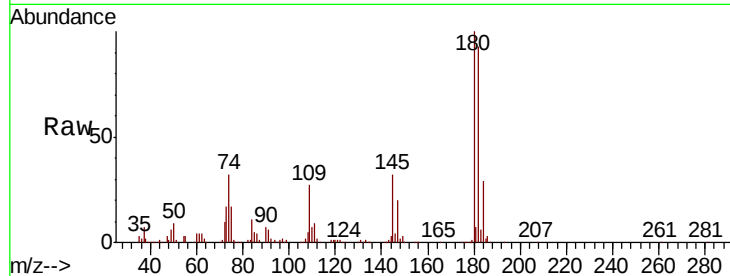
#93
 1,2,4-Trichlorobenzene
 Concen: 51.811 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000811.D
 Acq: 27 Nov 2019 11:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	262589		
182	94.6	47.3	141.9	
145	31.9	16.0	47.9	

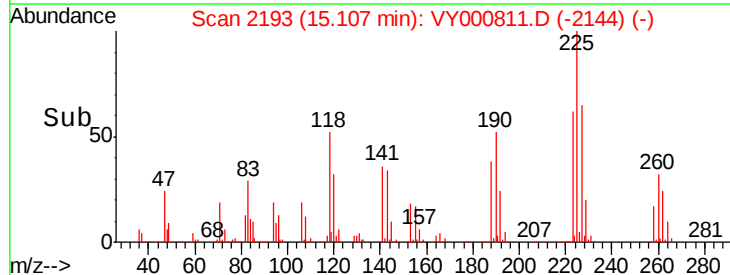
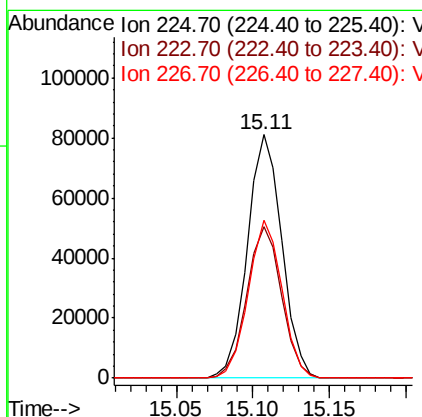
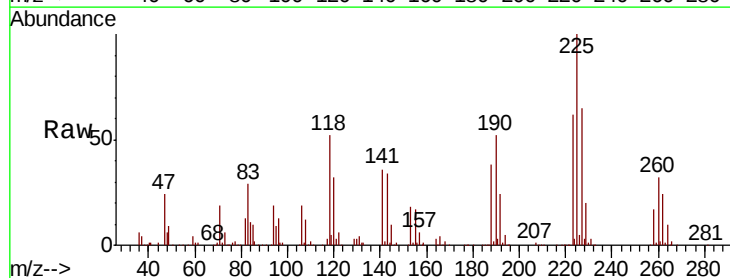
Manual Integrations
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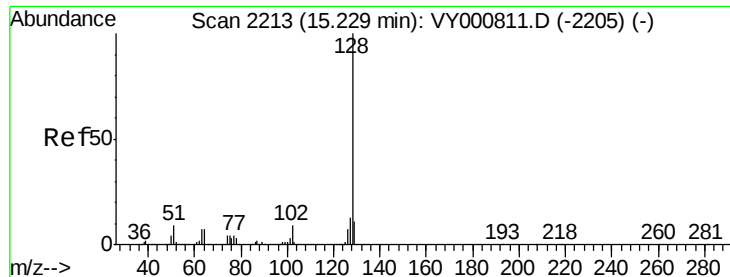
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#94
 Hexachlorobutadiene
 Concen: 49.499 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000811.D
 Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126989		
223	62.9	31.4	94.3	
227	63.5	31.8	95.3	





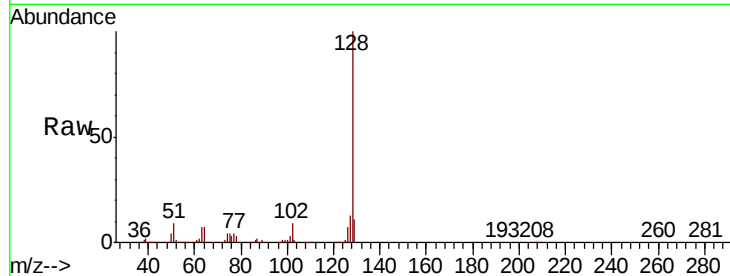
#95
Naphthalene
Concen: 55.281 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	628268		
127	12.6		10.1	15.1
129	11.0		8.8	13.2

Manual Integrations
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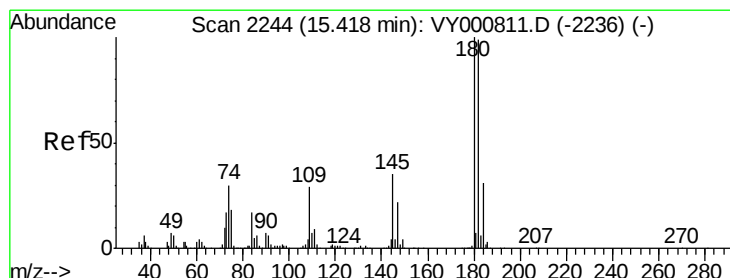
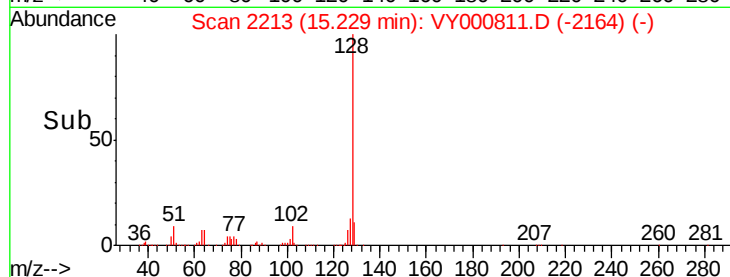
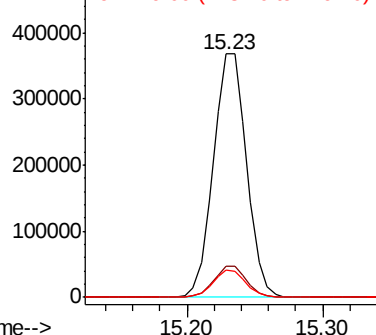


Abundance

Ion 128.00 (127.70 to 128.70): V

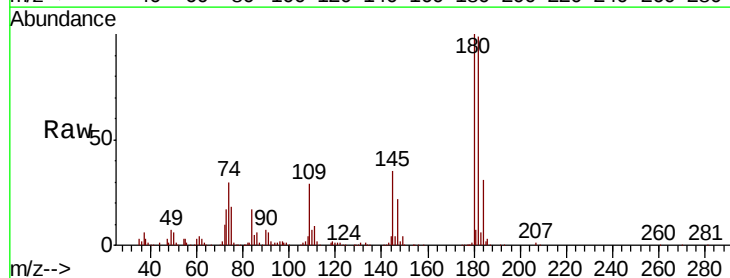
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 51.523 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY000811.D
Acq: 27 Nov 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	232473		
182	96.0		48.0	144.0
145	33.7		16.9	50.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

