

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100819\
 Data File : VY000221.D
 Acq On : 08 Oct 2019 13:44
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 12:52:53 AM

Quant Time: Oct 08 14:59:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 08 14:14:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	277257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	466087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	427415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	208589	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	187725	70.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.30%	
35) Dibromofluoromethane	7.73	113	154094	57.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.14%	
50) Toluene-d8	10.19	98	613093	62.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.20%	
62) 4-Bromofluorobenzene	12.48	95	220137	61.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	151036	71.537	ug/l	92
3) Chloromethane	2.12	50	192204	74.942	ug/l	97
4) Vinyl Chloride	2.25	62	206236	74.034	ug/l	98
5) Bromomethane	2.62	94	132675	59.221	ug/l	94
6) Chloroethane	2.78	64	131058	73.233	ug/l	91
7) Trichlorofluoromethane	3.12	101	260599	66.370	ug/l	95
8) Diethyl Ether	3.53	74	111604	73.190	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.90	101	152612	66.017	ug/l	93
10) Methyl Iodide	4.09	142	247807	79.830	ug/l	96
11) Tert butyl alcohol	4.97	59	484581	362.397	ug/l	99
12) 1,1-Dichloroethene	3.87	96	158976	67.090	ug/l	84
13) Acrolein	3.73	56	247106	470.578	ug/l	98
14) Allyl chloride	4.48	41	263601m	74.658	ug/l	
15) Acrylonitrile	5.18	53	875797	398.982	ug/l	99
16) Acetone	3.95	43	716097	408.545	ug/l	100
17) Carbon Disulfide	4.19	76	468951	72.130	ug/l	99
18) Methyl Acetate	4.48	43	400482	83.574	ug/l	91
19) Methyl tert-butyl Ether	5.23	73	569278	74.499	ug/l	94
20) Methylene Chloride	4.72	84	180161	66.314	ug/l	91
21) trans-1,2-Dichloroethene	5.22	96	172364	69.957	ug/l	94
22) Diisopropyl ether	6.13	45	624341	88.877	ug/l	95
23) Vinyl Acetate	6.07	43	2909143	444.498	ug/l #	93
24) 1,1-Dichloroethane	6.03	63	311943	78.037	ug/l	94
25) 2-Butanone	7.00	43	1383778	438.306	ug/l	94
26) 2,2-Dichloropropane	6.99	77	270942	68.695	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	203728	69.385	ug/l	89
28) Bromochloromethane	7.35	49	103164	90.441	ug/l	81
29) Tetrahydrofuran	7.36	42	980951	448.286	ug/l	90
30) Chloroform	7.52	83	320050	70.987	ug/l	95
31) Cyclohexane	7.79	56	310611	66.049	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	278556	70.385	ug/l	98
36) 1,1-Dichloropropene	7.92	75	244052	65.285	ug/l	96
37) Ethyl Acetate	7.08	43	453080	77.309	ug/l	98
38) Carbon Tetrachloride	7.91	117	243414	60.533	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	315982	63.515	ug/l	91
40) Benzene	8.17	78	748958	66.890	ug/l	98
41) Methacrylonitrile	7.35	41	356832m	48.776	ug/l	
42) 1,2-Dichloroethane	8.25	62	250073	68.754	ug/l	96
43) Isopropyl Acetate	8.28	43	589079	77.584	ug/l	96
44) Trichloroethene	8.95	130	202363	56.290	ug/l	97
45) 1,2-Dichloropropane	9.22	63	188740	69.166	ug/l	94
46) Dibromomethane	9.31	93	129161	63.674	ug/l	89
47) Bromodichloromethane	9.50	83	262891	68.303	ug/l	96
48) Methyl methacrylate	9.30	41	262597	80.496	ug/l	92
49) 1,4-Dioxane	9.30	88	133554	1306.436	ug/l #	88
51) 4-Methyl-2-Pentanone	10.08	43	2279221	405.877	ug/l	97
52) Toluene	10.25	92	475260	64.838	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	303530	70.220	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	319519	69.015	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	192999	64.180	ug/l	95
56) Ethyl methacrylate	10.52	69	347439	75.945	ug/l	95
57) 1,3-Dichloropropane	10.80	76	325867	68.210	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	764756	293.868	ug/l	91
59) 2-Hexanone	10.83	43	1958610	410.237	ug/l	99
60) Dibromochloromethane	10.99	129	206420	61.507	ug/l	100
61) 1,2-Dibromoethane	11.09	107	206794	63.446	ug/l	100
64) Tetrachloroethene	10.72	164	196561	51.783	ug/l	96
65) Chlorobenzene	11.52	112	500662	60.145	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	184828	59.223	ug/l	98
67) Ethyl Benzene	11.60	91	930589	64.759	ug/l	96
68) m/p-Xylenes	11.70	106	710689	125.429	ug/l	94
69) o-Xylene	12.03	106	337570	60.523	ug/l	93
70) Styrene	12.05	104	590879	63.989	ug/l	96
71) Bromoform	12.20	173	156055	56.732	ug/l #	98
73) Isopropylbenzene	12.33	105	907184	65.211	ug/l	97
74) N-amyl acetate	12.14	43	470961	87.452	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	309754	70.009	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	276355m	45.963	ug/l	
77) Bromobenzene	12.61	156	206126	56.501	ug/l	77
78) n-propylbenzene	12.67	91	1083777	68.415	ug/l	95
79) 2-Chlorotoluene	12.75	91	606530	67.720	ug/l	94
80) 1,3,5-Trimethylbenzene	12.81	105	764790	65.371	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	140127	77.459	ug/l	94
82) 4-Chlorotoluene	12.86	91	628580	68.640	ug/l	95
83) tert-Butylbenzene	13.08	119	648833	61.354	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	766814	66.099	ug/l	97
85) sec-Butylbenzene	13.25	105	917083	64.013	ug/l	97
86) p-Isopropyltoluene	13.37	119	823497	63.281	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	389930	58.029	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	393006	58.028	ug/l	97
89) n-Butylbenzene	13.70	91	786583	68.858	ug/l	97
90) Hexachloroethane	13.96	117	154890	63.230	ug/l	87
91) 1,2-Dichlorobenzene	13.74	146	379111	58.053	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	104569	72.490	ug/l	80

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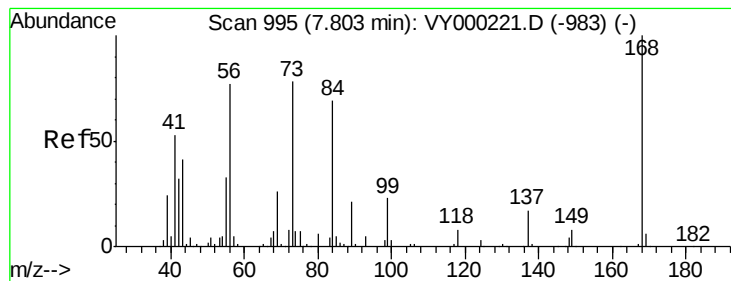
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	254491	54.202	ug/l	99
94) Hexachlorobutadiene	15.11	225	120836	48.158	ug/l	99
95) Naphthalene	15.23	128	991341	62.473	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	247984	52.925	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 277257

Ion Ratio Lower Upper

168 100

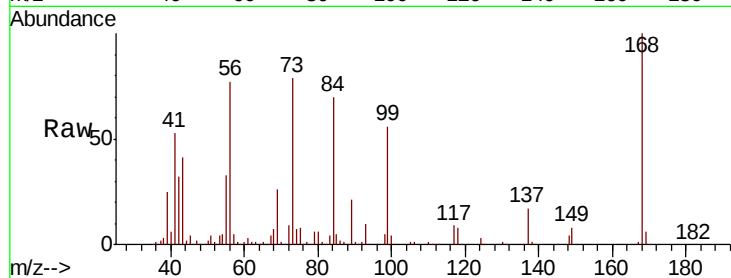
99 56.3 37.8 56.6

Manual Integrations

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10/10/2019 12:52:53 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000221.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000221.D (-983) (-)

7.80

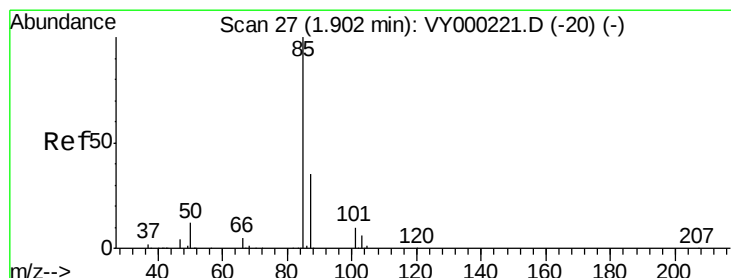
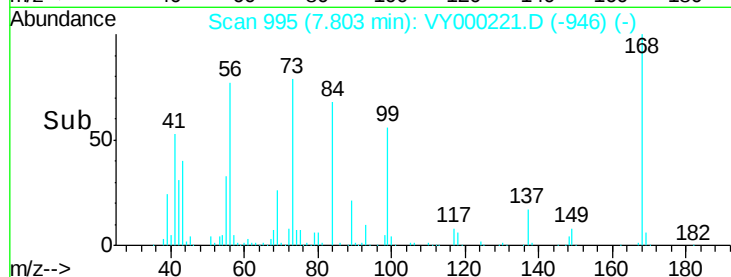
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50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 71.537 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000221.D

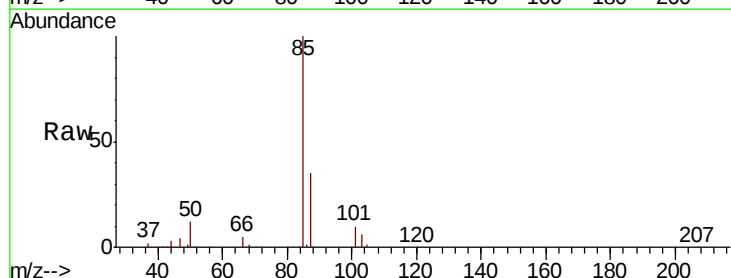
Acq: 08 Oct 2019 13:44

Tgt Ion: 85 Resp: 151036

Ion Ratio Lower Upper

85 100

87 34.8 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VY000221.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000221.D (-20) (-)

1.90

100000

80000

60000

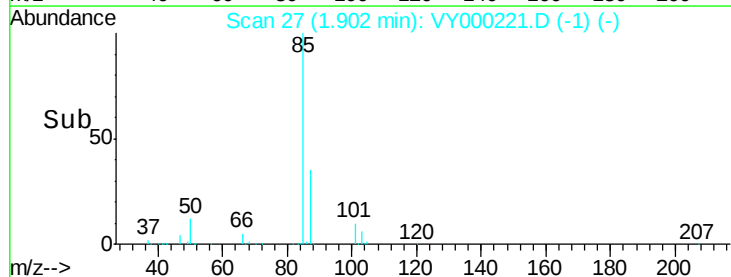
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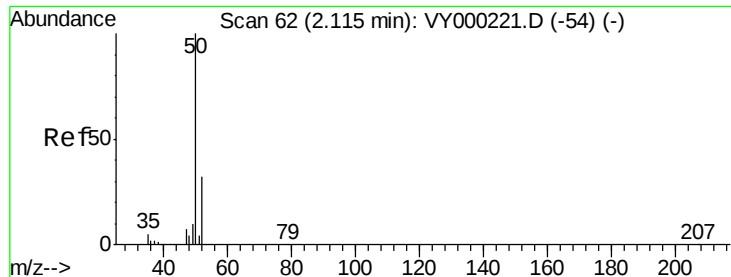
20000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 74.942 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 192204

Ion Ratio Lower Upper

50 100

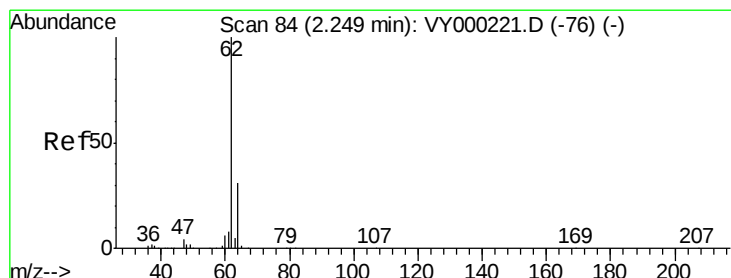
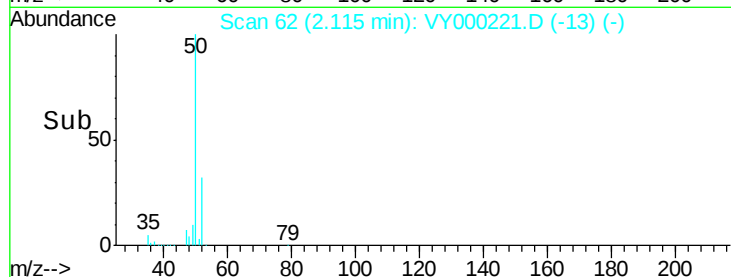
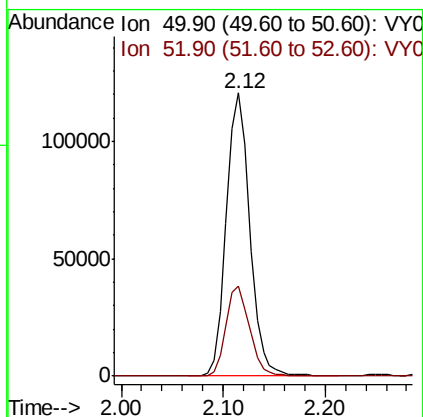
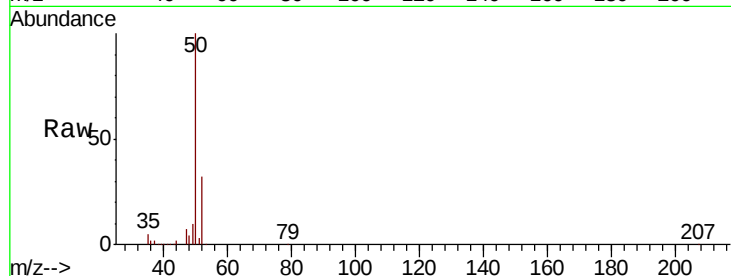
52 31.7 26.8 40.2

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10/10/2019 12:52:53 AM



#4

Vinyl Chloride

Concen: 74.034 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000221.D

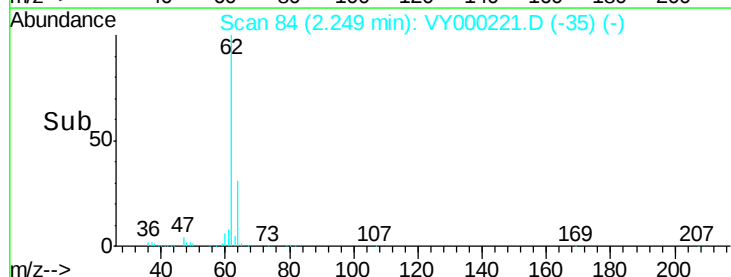
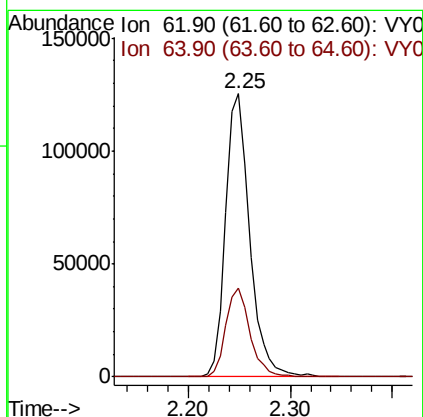
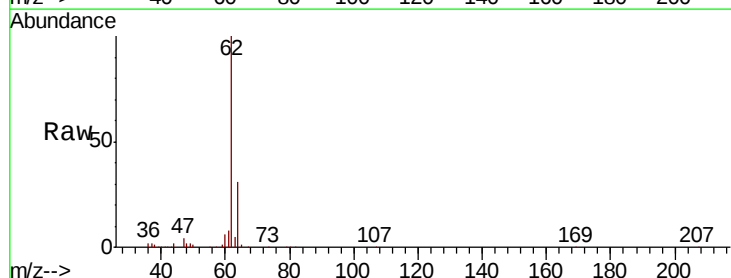
Acq: 08 Oct 2019 13:44

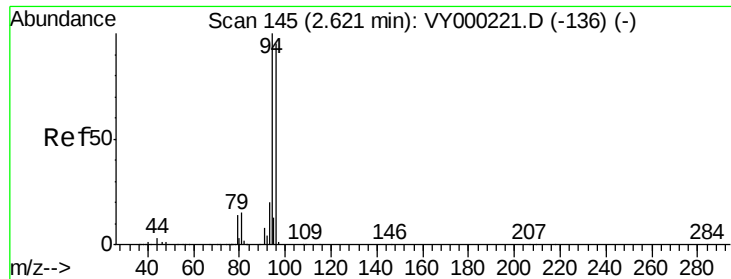
Tgt Ion: 62 Resp: 206236

Ion Ratio Lower Upper

62 100

64 31.3 25.9 38.9





#5

Bromomethane

Concen: 59.221 ug/l

RT: 2.62 min Scan# 145

Delta R.T. -0.02 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 132675

Ion Ratio Lower Upper

94 100

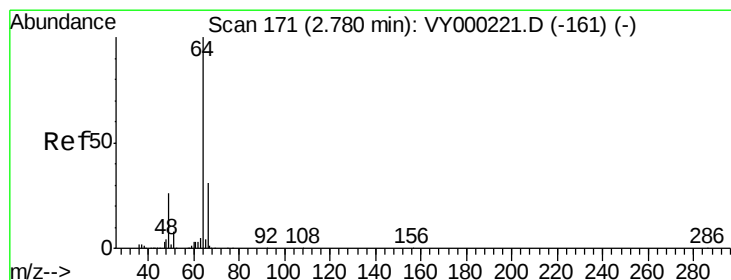
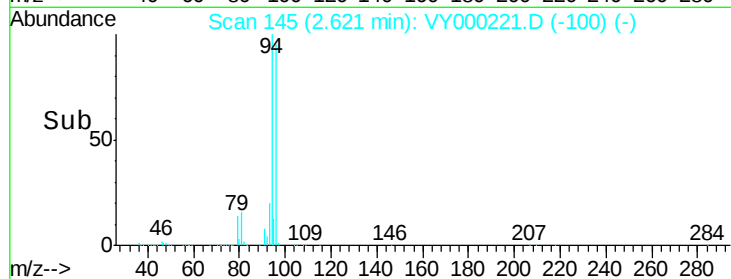
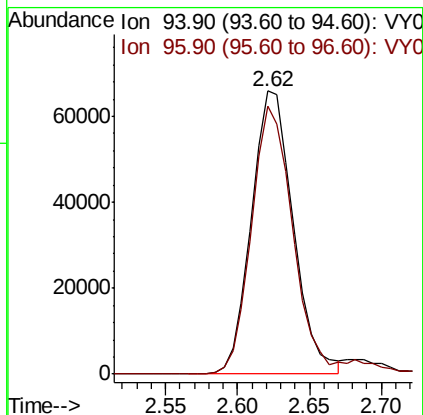
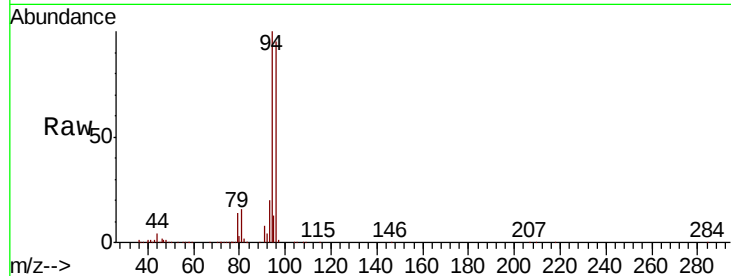
96 94.6 71.2 106.8

Manual Integrations

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10/10/2019 12:52:53 AM



#6

Chloroethane

Concen: 73.233 ug/l

RT: 2.78 min Scan# 171

Delta R.T. -0.01 min

Lab File: VY000221.D

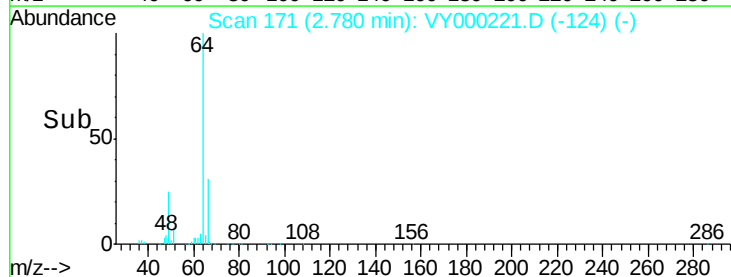
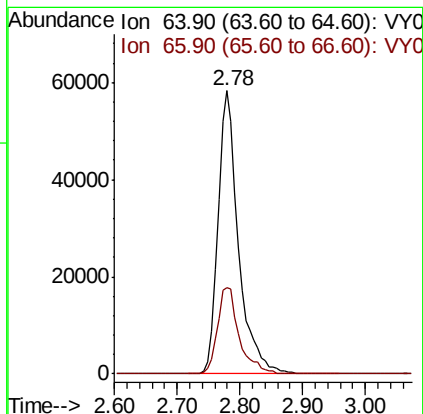
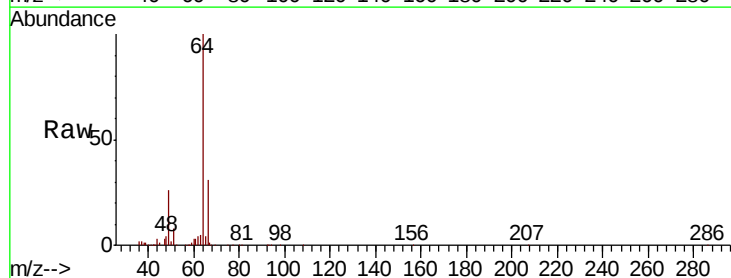
Acq: 08 Oct 2019 13:44

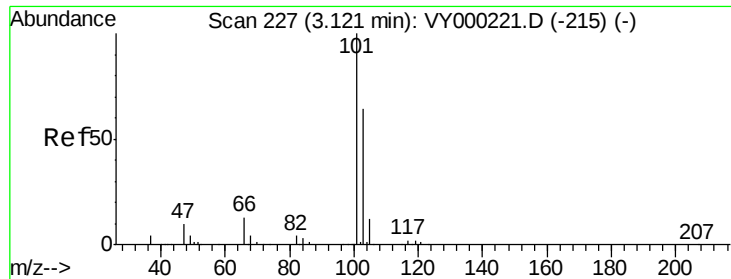
Tgt Ion: 64 Resp: 131058

Ion Ratio Lower Upper

64 100

66 30.6 28.6 42.8





#7

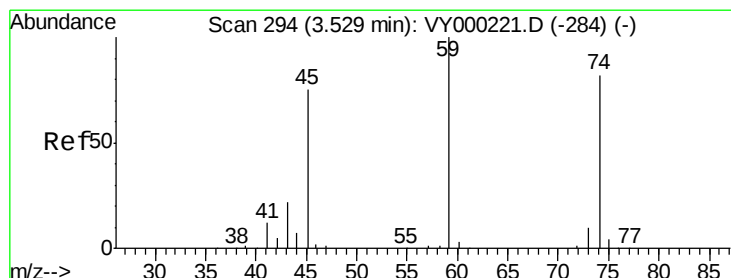
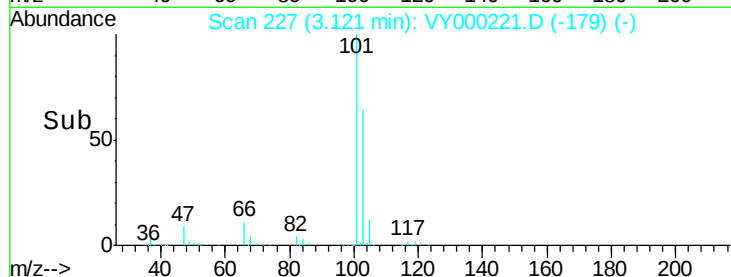
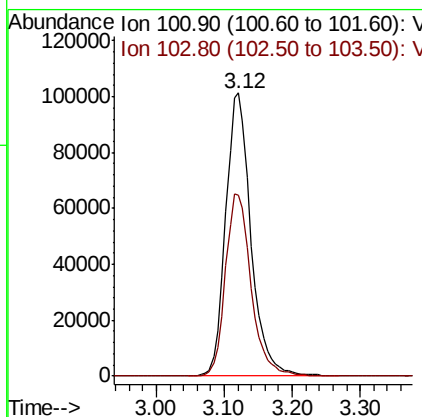
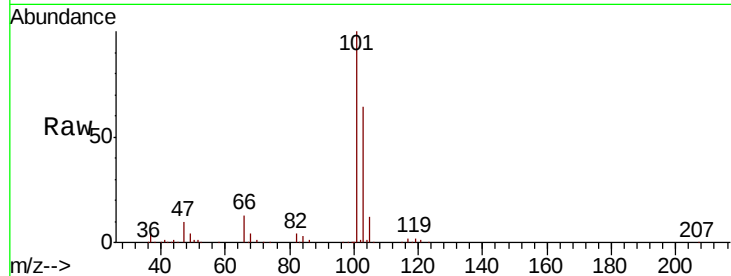
Trichlorofluoromethane
Concen: 66.370 ug/l
RT: 3.12 min Scan# 227
Delta R.T. -0.01 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	48.3	72.5

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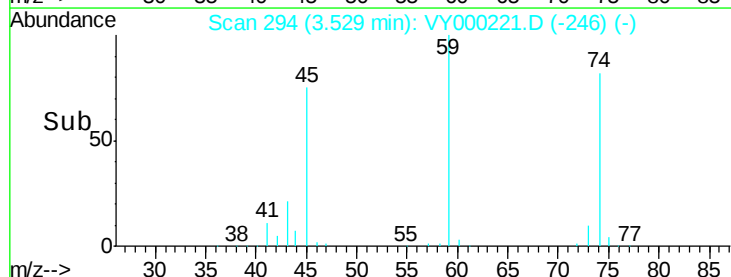
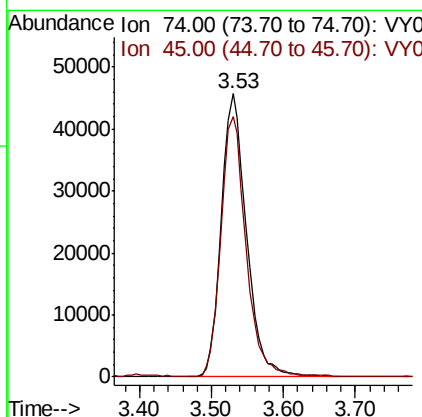
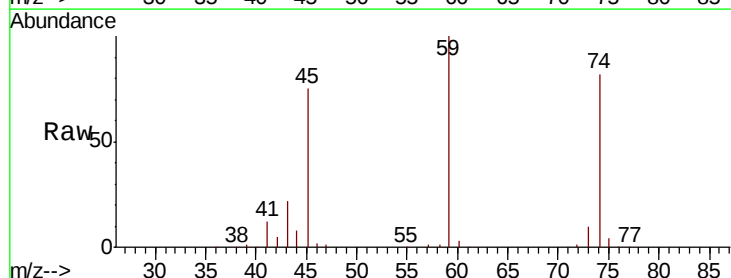
MMDadoda
10/10/2019 12:52:53 AM

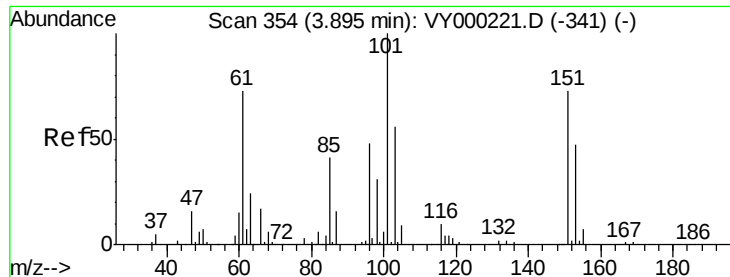


#8

Diethyl Ether
Concen: 73.190 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.6	40.6	121.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 66.017 ug/l

RT: 3.90 min Scan# 354

Delta R.T. -0.01 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

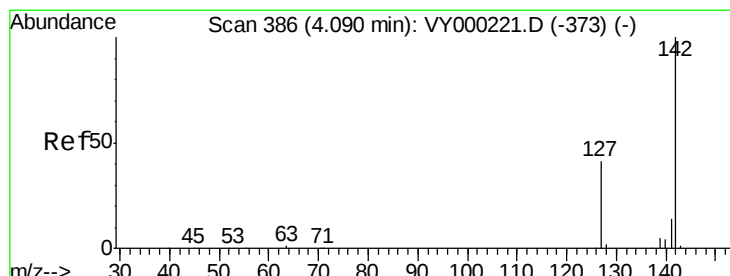
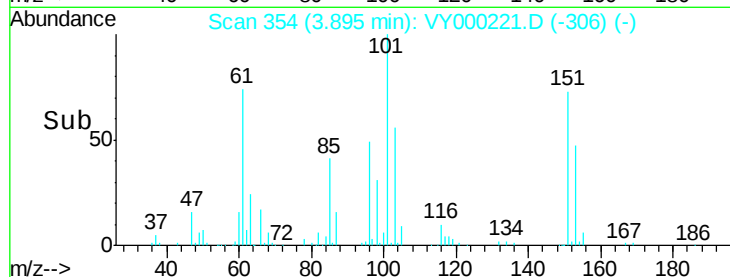
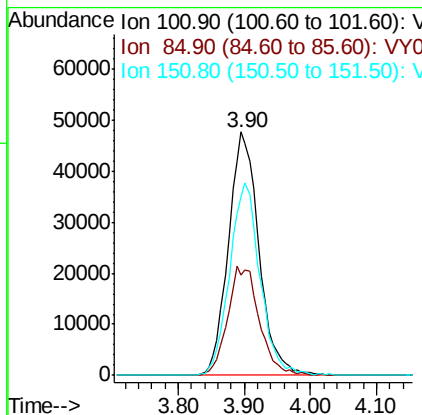
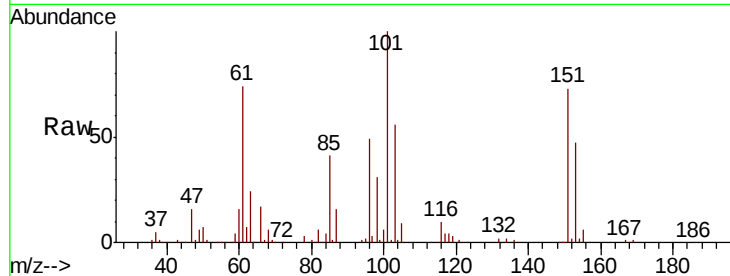
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	152612
Ion Ratio	Lower	Upper	
101	100		
85	46.3	34.6	52.0
151	78.7	69.2	103.8

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#10

Methyl Iodide

Concen: 79.830 ug/l

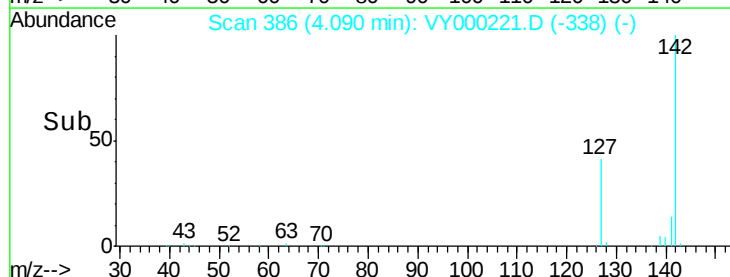
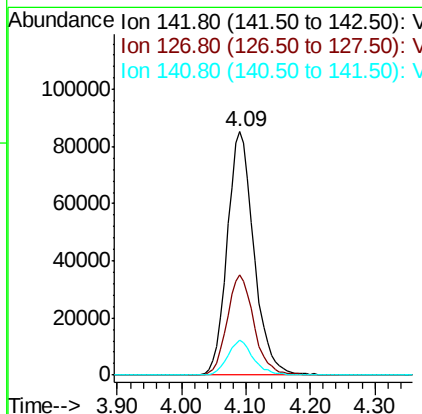
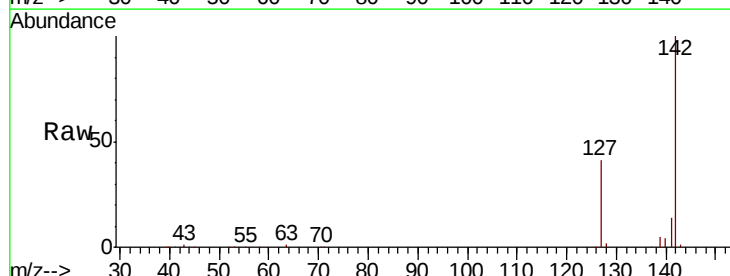
RT: 4.09 min Scan# 386

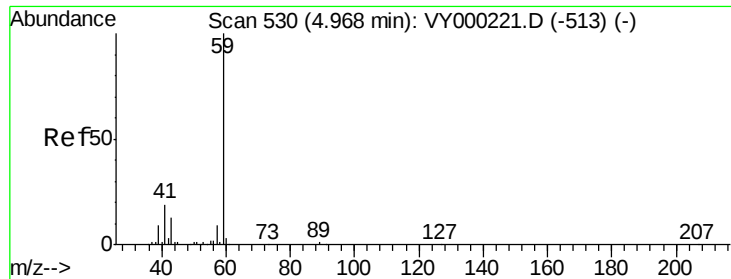
Delta R.T. -0.01 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Tgt Ion:	142	Resp:	247807
Ion Ratio	Lower	Upper	
142	100		
127	41.3	30.8	46.2
141	13.7	11.2	16.8





#11

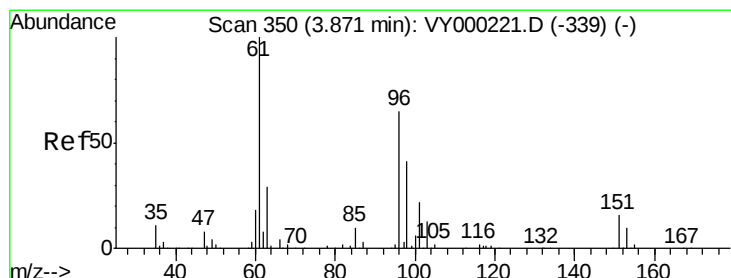
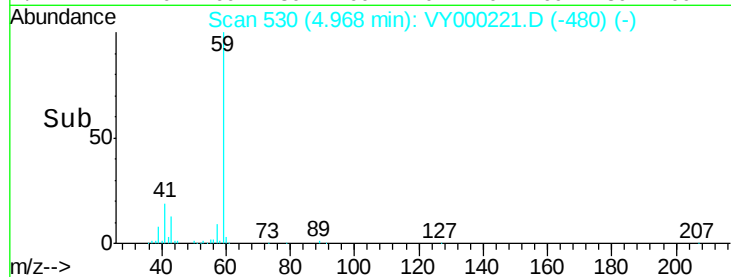
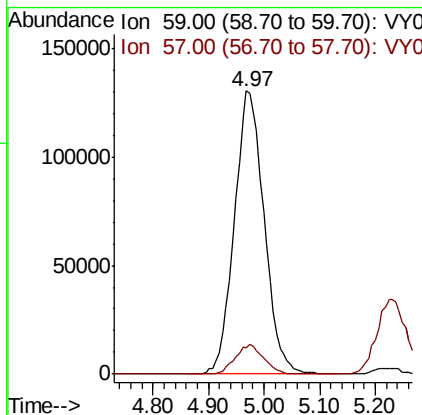
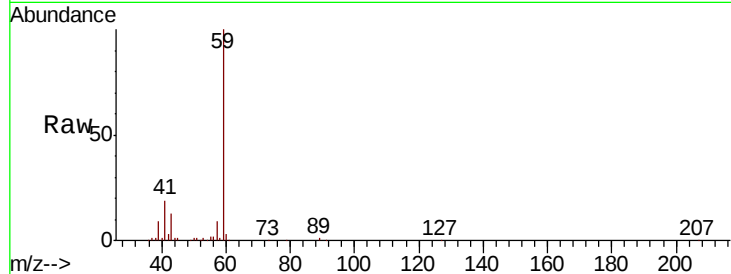
Tert butyl alcohol
Concen: 362.397 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	484581
Ion Ratio	100	Lower	Upper
57	10.0	7.8	11.6

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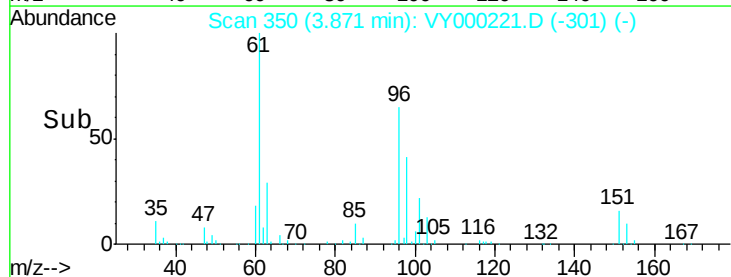
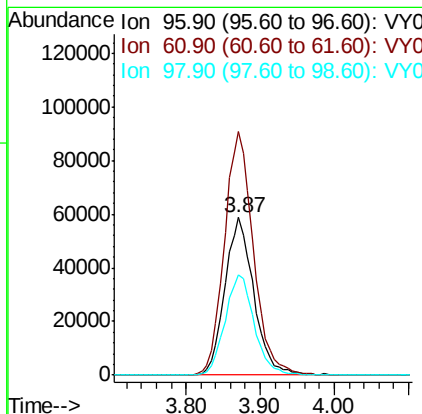
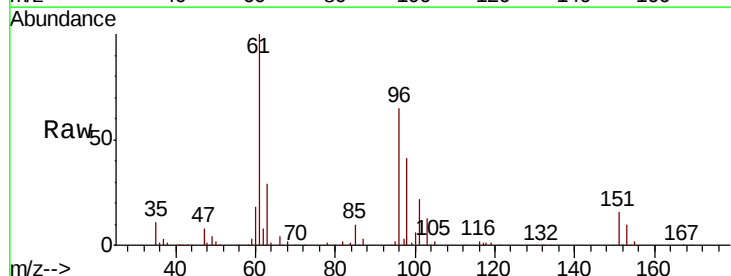
MMDadoda
10/10/2019 12:52:53 AM

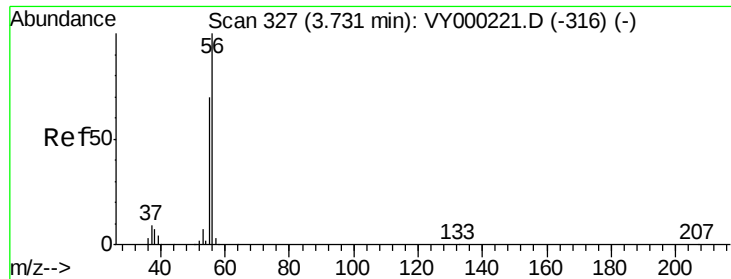


#12

1,1-Dichloroethene
Concen: 67.090 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	96	Resp	158976
Ion Ratio	100	Lower	Upper
61	154.8	105.1	157.7
98	63.6	46.9	70.3





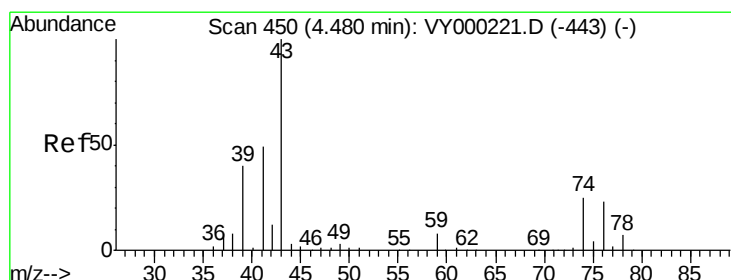
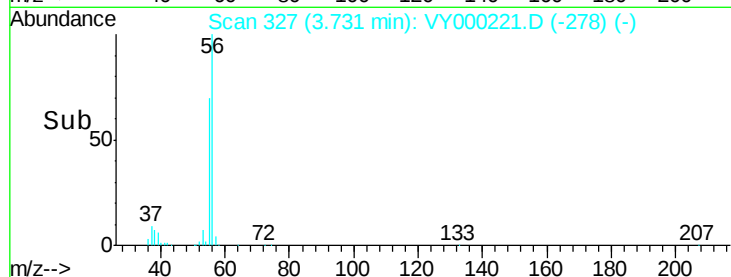
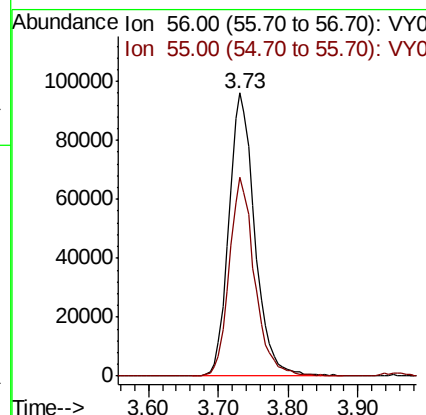
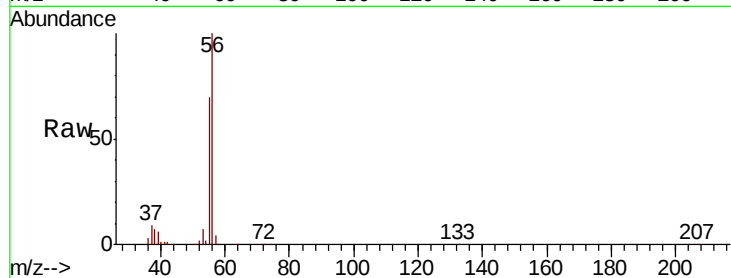
#13
Acrolein
Concen: 470.578 ug/l
RT: 3.73 min Scan# 327
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	56	55	Ratio	Lower	Upper
247106	100	69.0		56.3	84.5

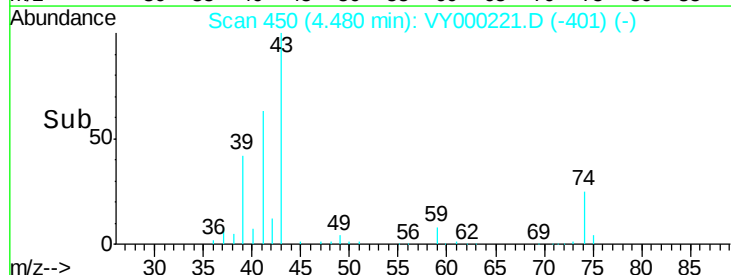
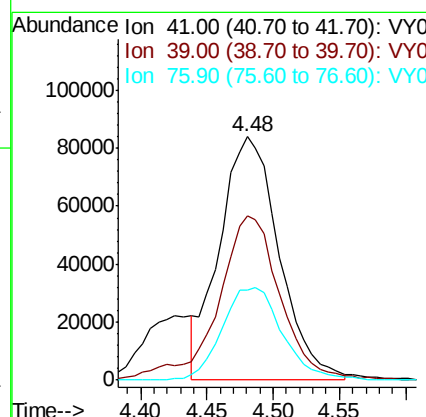
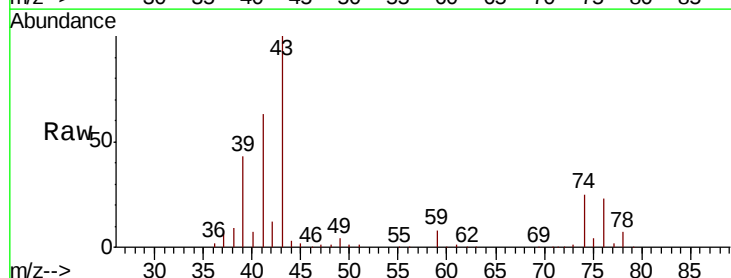
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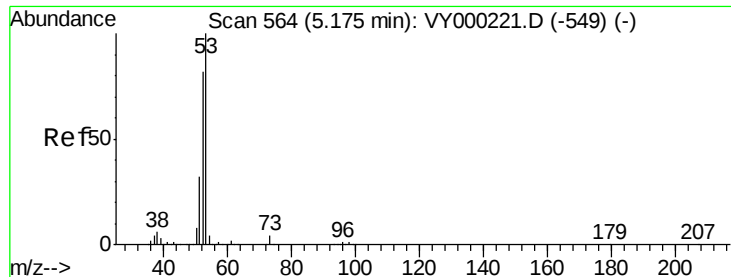
MMDadoda
10/10/2019 12:52:53 AM



#14
Allyl chloride
Concen: 74.658 ug/l m
RT: 4.48 min Scan# 450
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	41	39	76	Ratio	Lower	Upper
263601	100	70.5	38.5		62.2	93.2
					36.5	54.7





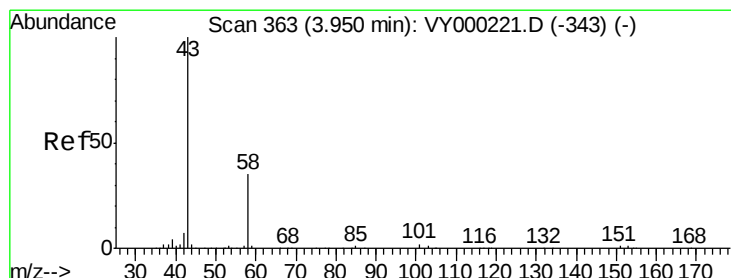
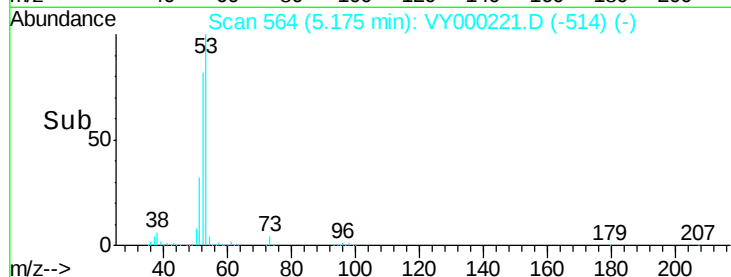
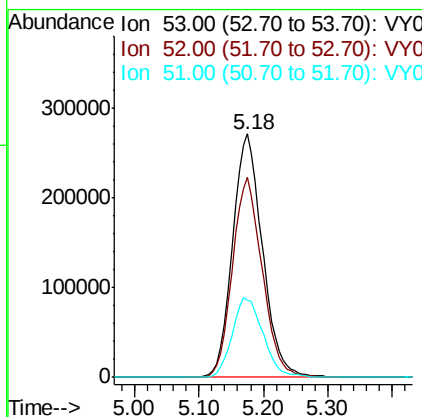
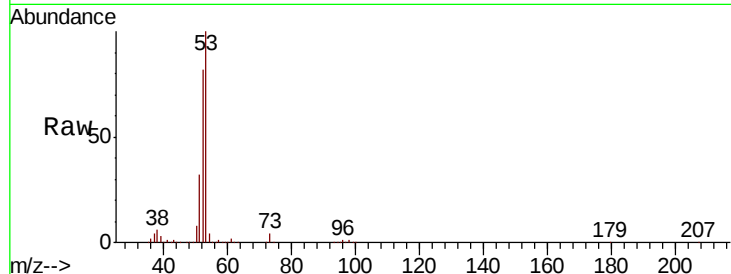
#15
Acrylonitrile
Concen: 398.982 ug/l
RT: 5.18 min Scan# 564
Delta R.T. 0.01 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	53	Resp	875797
Ion	Ratio	Lower	Upper
53	100		
52	81.8	64.6	97.0
51	34.0	27.3	40.9

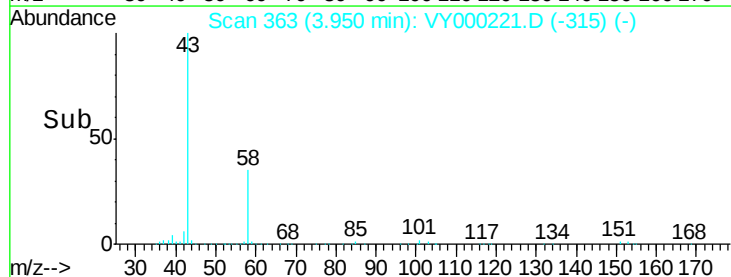
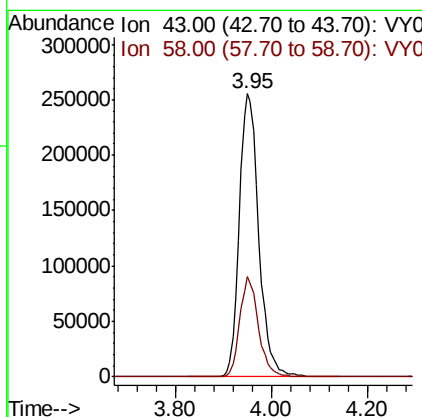
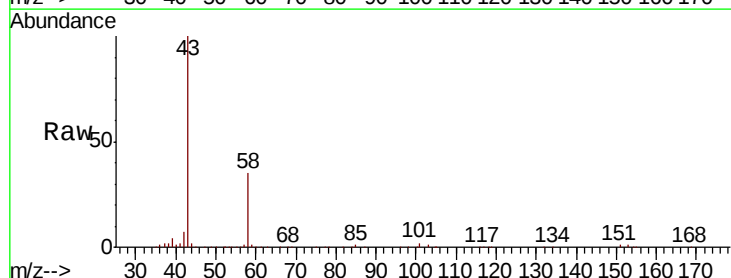
Manual Integrations
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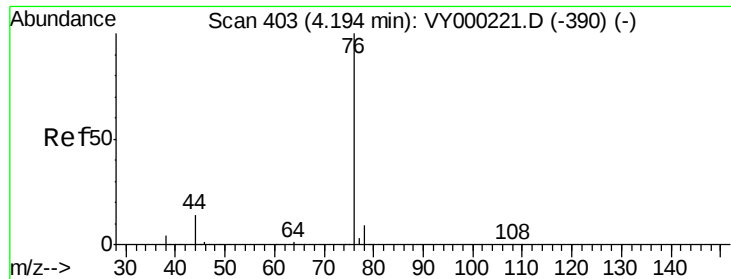
MMDadoda
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#16
Acetone
Concen: 408.545 ug/l
RT: 3.95 min Scan# 363
Delta R.T. -0.01 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	43	Resp	716097
Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.2	42.2





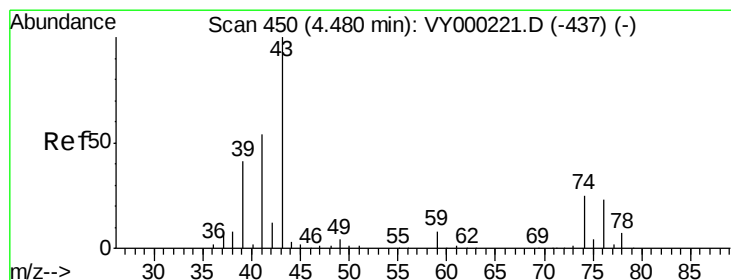
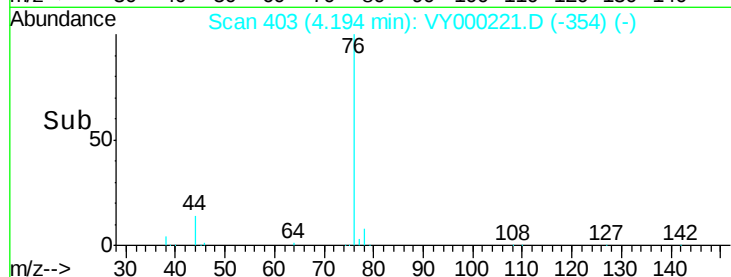
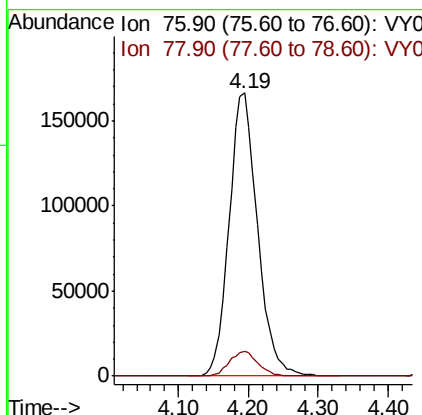
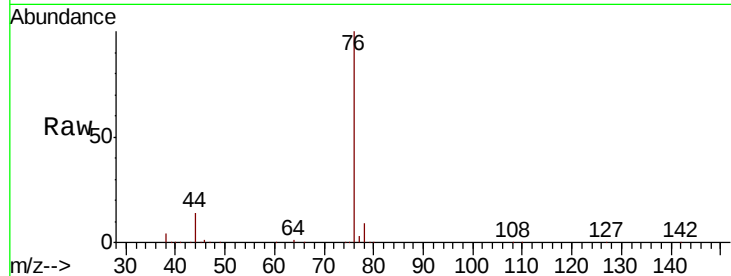
#17
Carbon Disulfide
Concen: 72.130 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

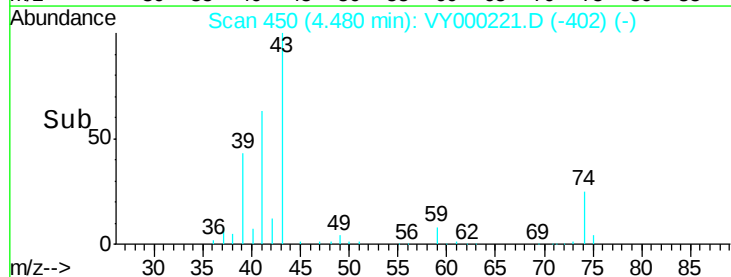
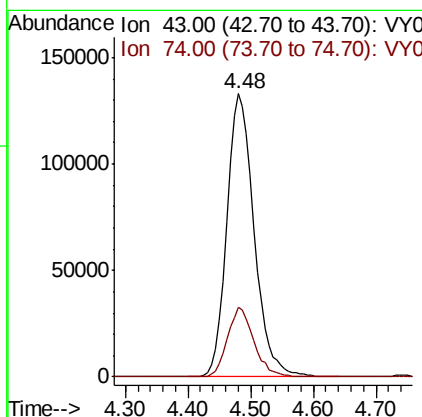
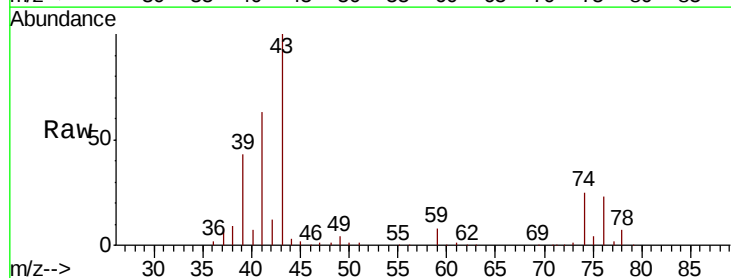
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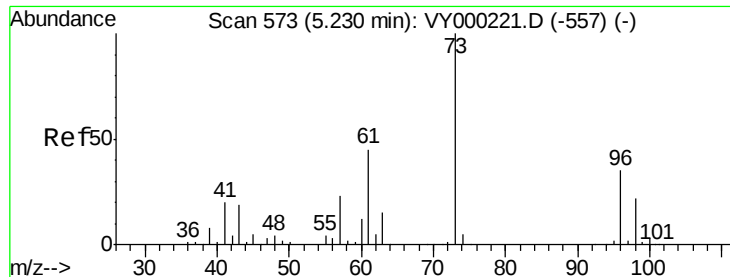
MMDadoda
10/10/2019 12:52:53 AM



#18
Methyl Acetate
Concen: 83.574 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	22.7	34.1





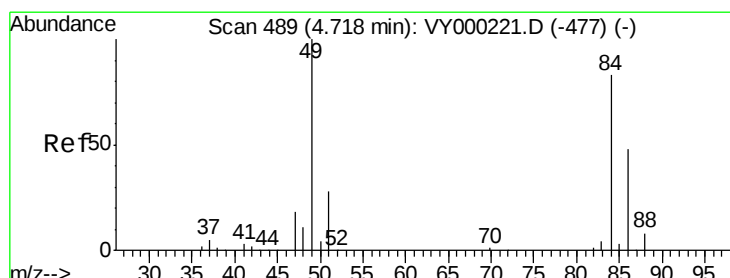
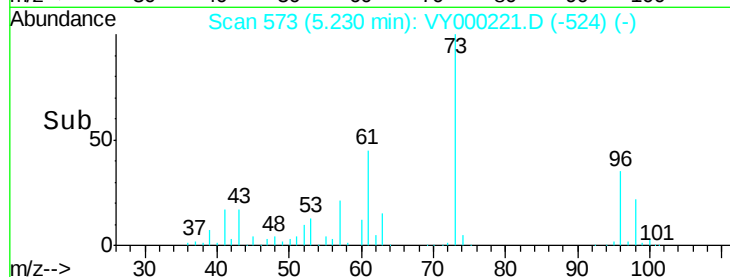
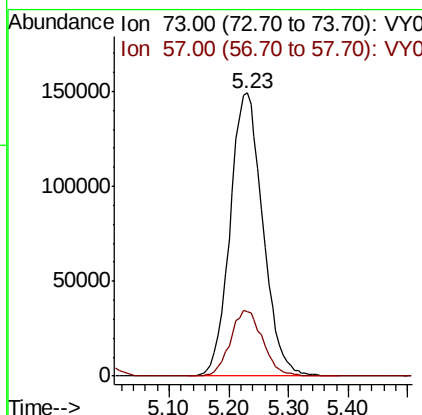
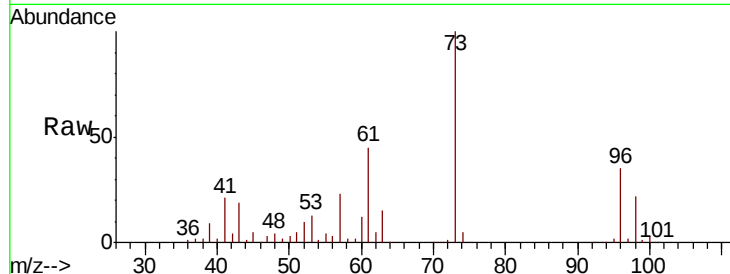
#19
Methvl tert-butvl Ether
Concen: 74.499 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 569278
Ion Ratio Lower Upper
73 100
57 23.0 16.3 24.5

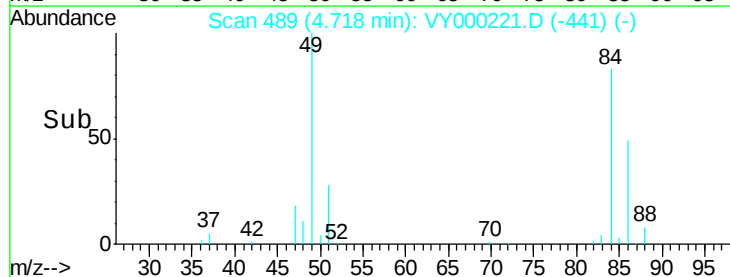
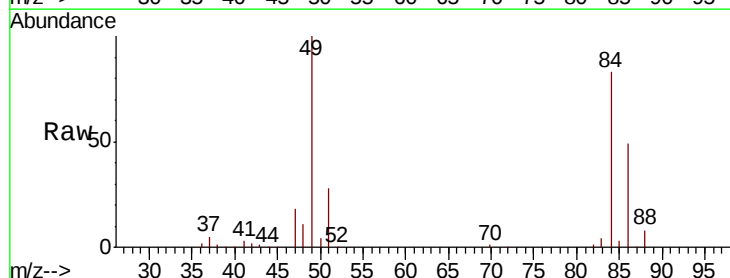
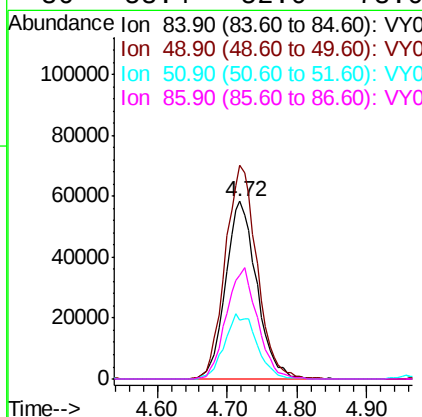
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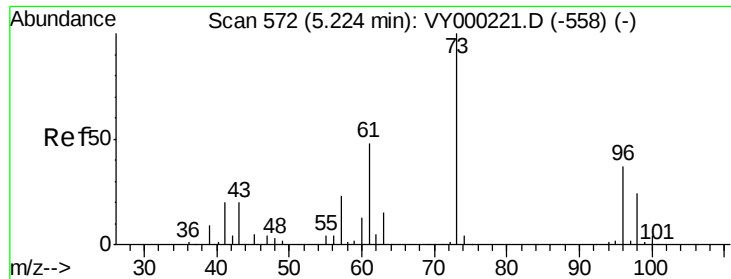
MMDadoda
10/10/2019 12:52:53 AM



#20
Methylene Chloride
Concen: 66.314 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion: 84 Resp: 180161
Ion Ratio Lower Upper
84 100
49 120.2 86.2 129.2
51 33.2 25.3 37.9
86 58.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 69.957 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

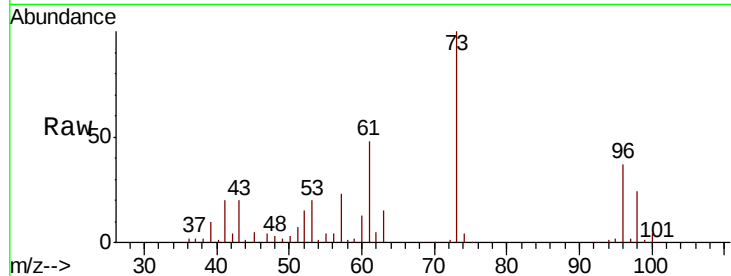
ClientSampleId :

VSTDICCC050

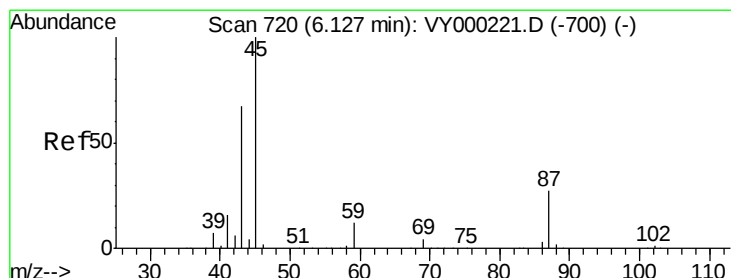
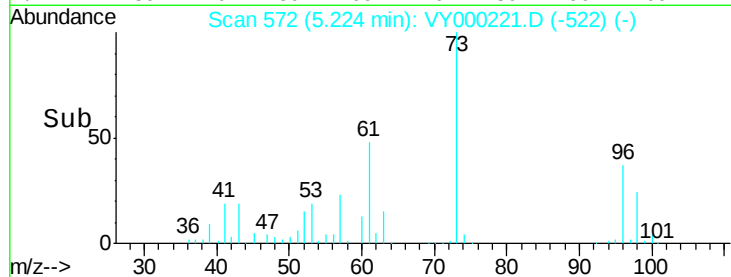
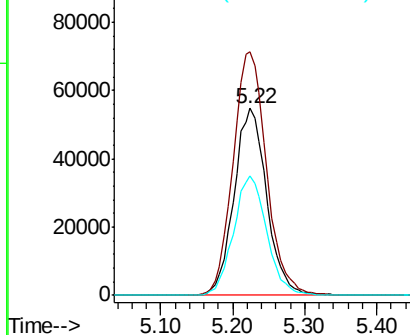
Tot Ion:	96	Resp:	172364
Ion	Ratio	Lower	Upper
96	100		
61	130.2	96.1	144.1
98	63.8	50.3	75.5

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 88.877 ug/l

RT: 6.13 min Scan# 720

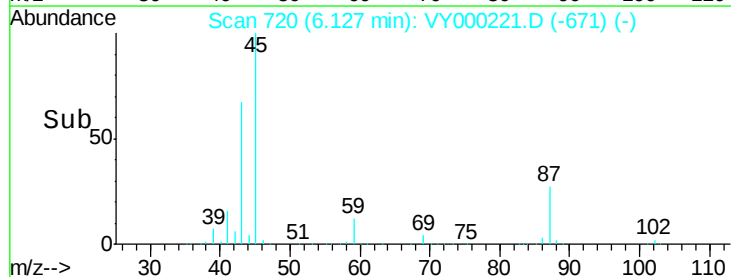
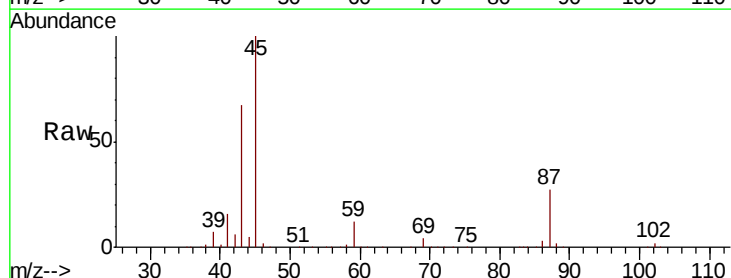
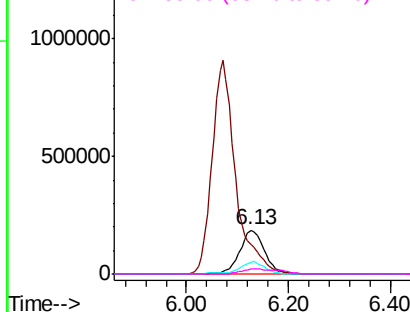
Delta R.T. -0.00 min

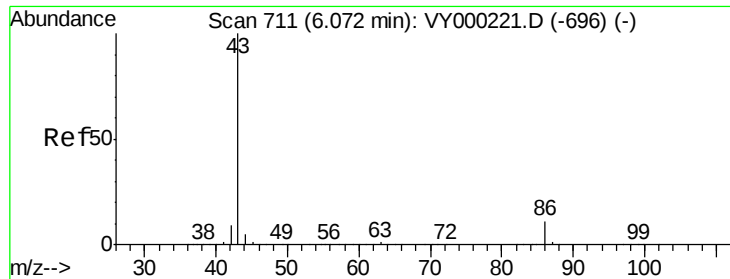
Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Tgt Ion:	45	Resp:	624341
Ion	Ratio	Lower	Upper
45	100		
43	66.8	51.5	77.3
87	27.1	27.0	40.4
59	12.0	9.4	14.2

Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 444.498 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2909143

Ion Ratio Lower Upper

43 100

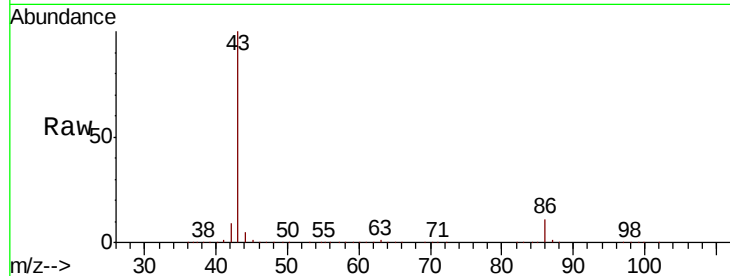
86 10.6 10.7 16.1#

Manual Integrations

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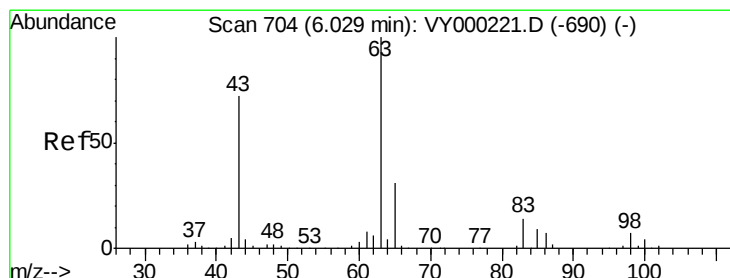
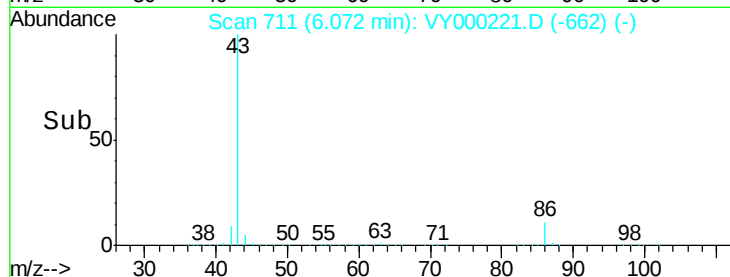
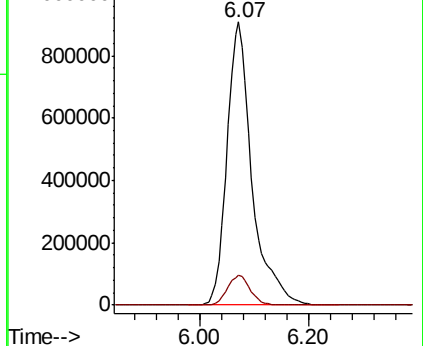
MMDadoda

10/10/2019 12:52:53 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: 78.037 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

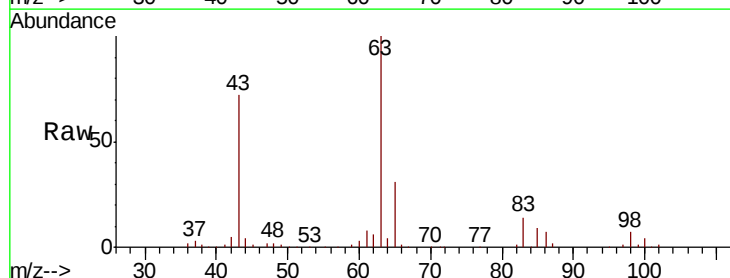
Tgt Ion: 63 Resp: 311943

Ion Ratio Lower Upper

63 100

98 7.1 4.8 14.4

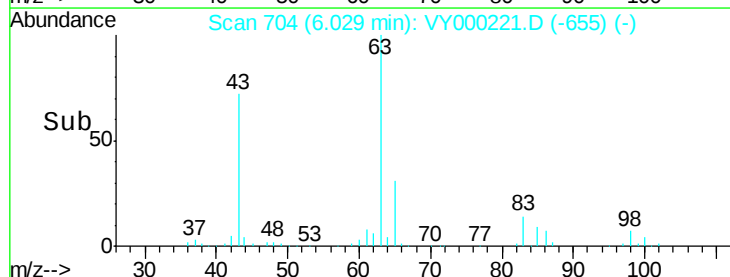
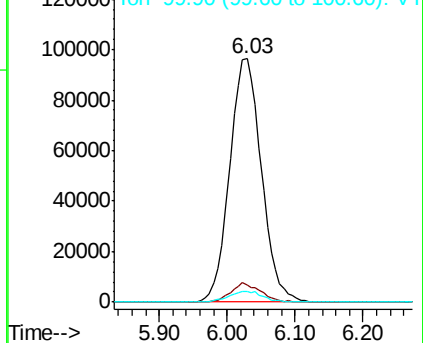
100 4.3 2.9 8.8

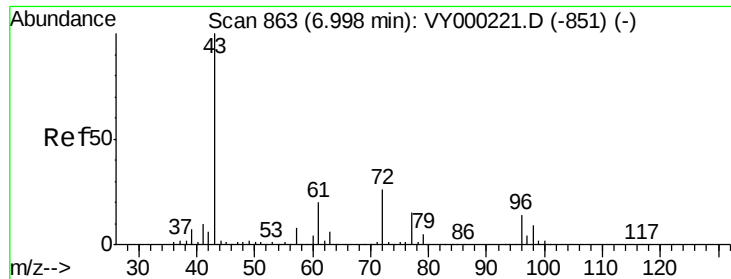


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 438.306 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1383778

Ion Ratio Lower Upper

43 100

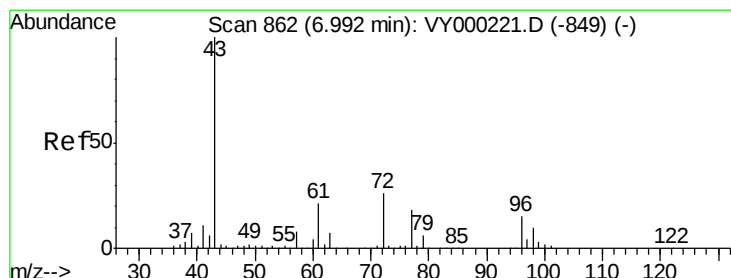
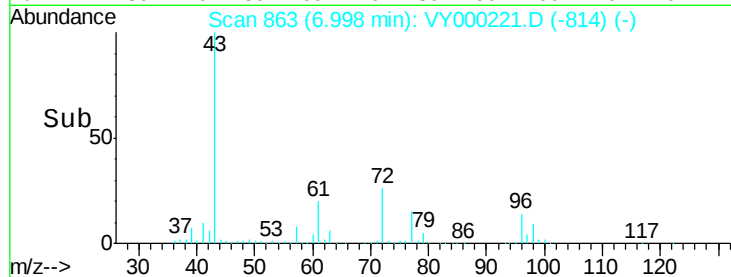
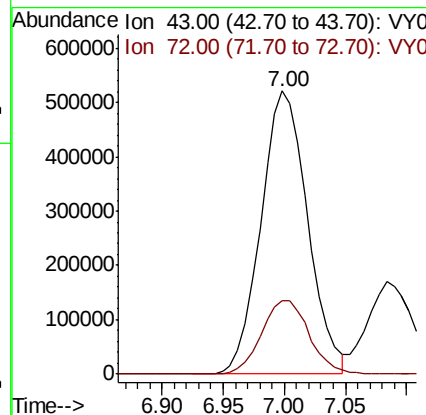
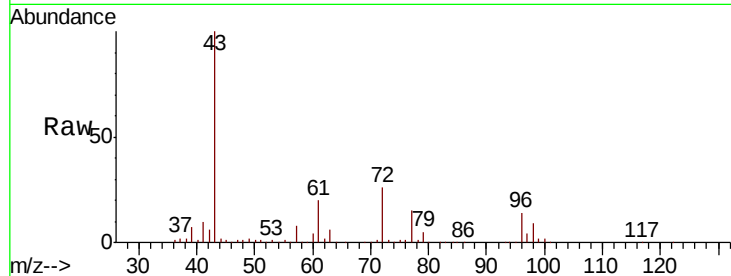
72 25.8 23.1 34.7

Manual Integrations

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MMDadoda

10/10/2019 12:52:53 AM



#26

2,2-Dichloropropane

Concen: 68.695 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000221.D

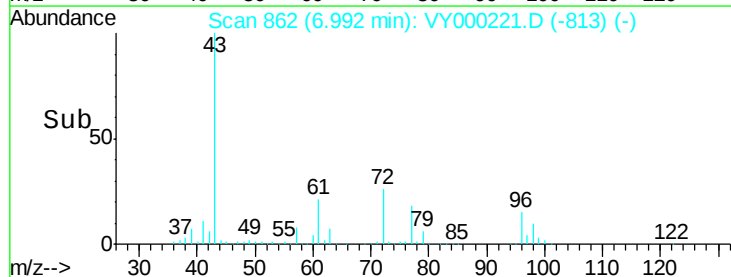
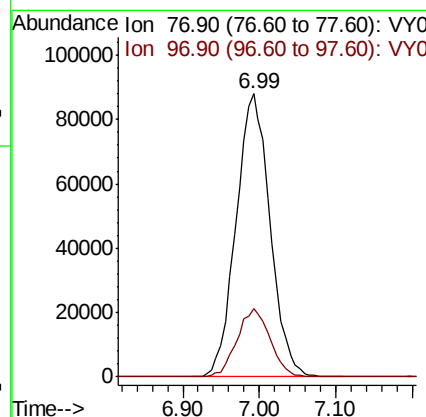
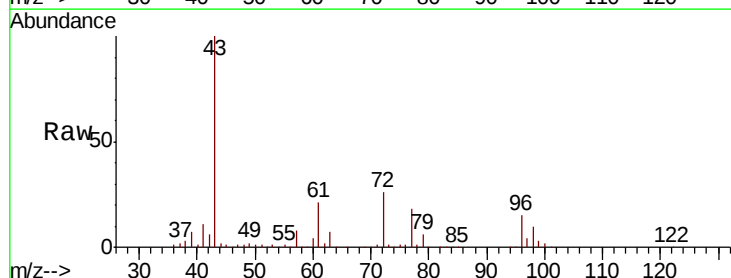
Acq: 08 Oct 2019 13:44

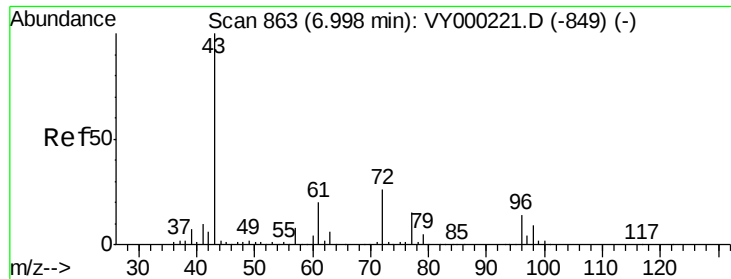
Tgt Ion: 77 Resp: 270942

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.5





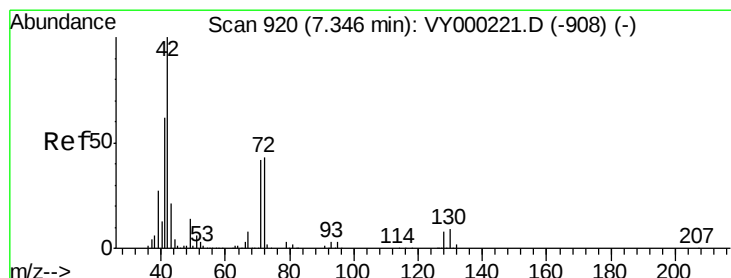
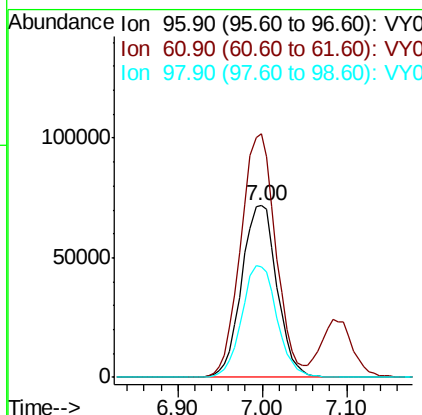
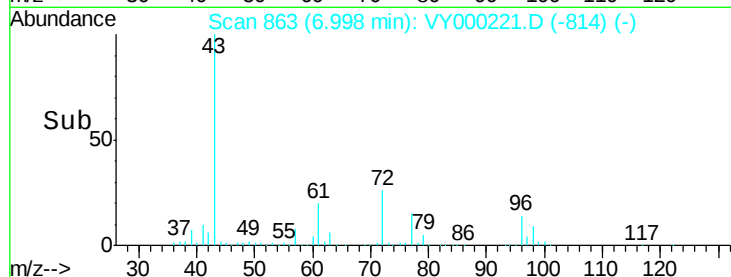
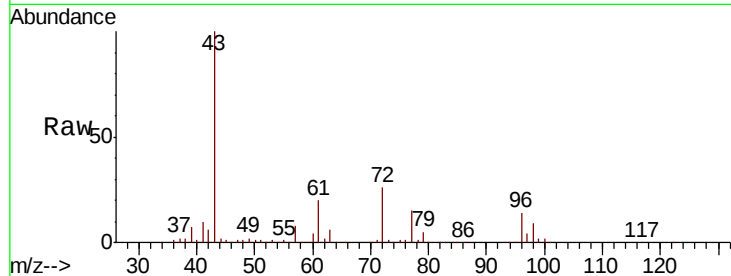
#27
 cis-1,2-Dichloroethene
 Concen: 69.385 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	244.4
98	64.9	0.0	129.6

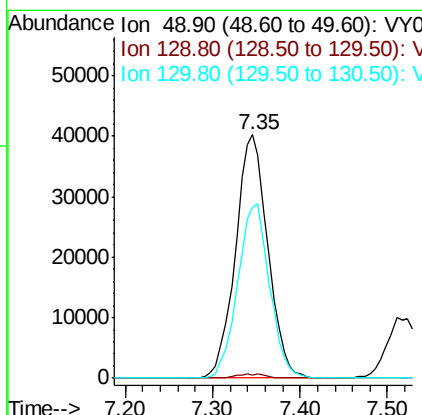
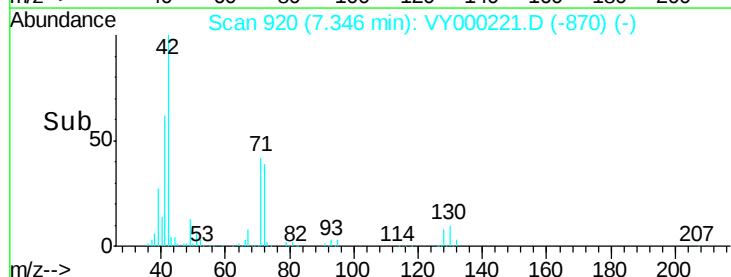
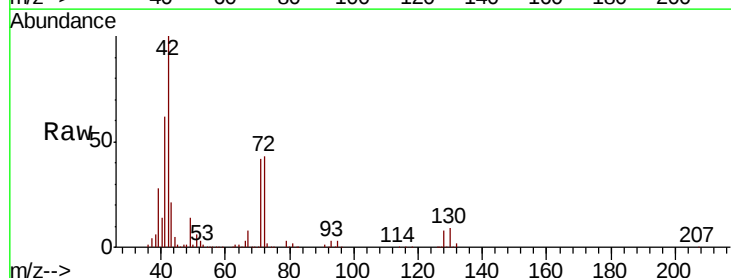
Manual Integrations
 APPROVED

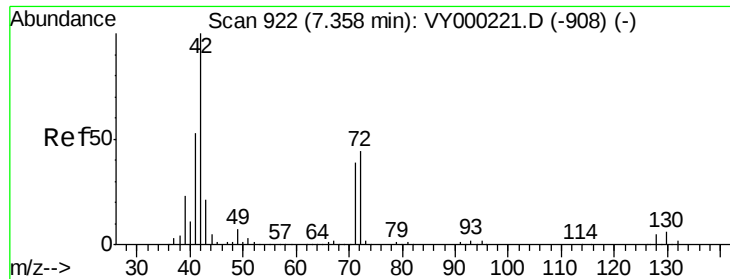
MMDadoda
 10/10/2019 12:52:53 AM



#28
 Bromochloromethane
 Concen: 90.441 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.2
130	70.6	70.5	105.7





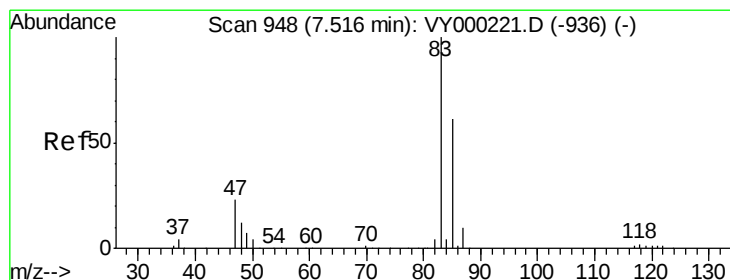
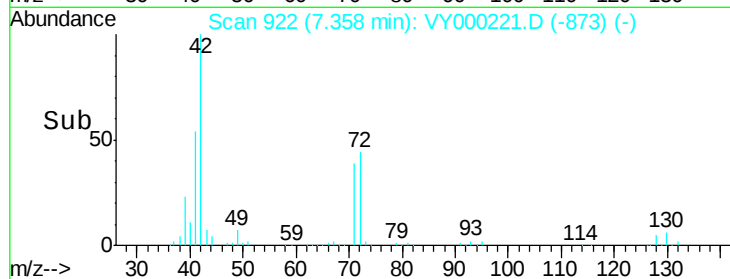
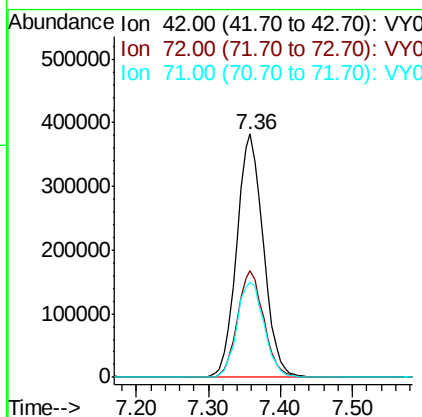
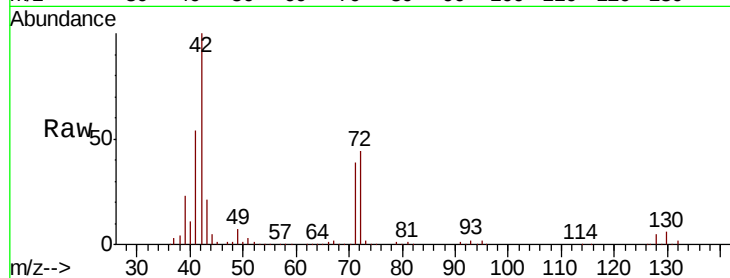
#29
Tetrahydrofuran
Concen: 448.286 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	40.4	60.6
71	39.9	36.6	55.0

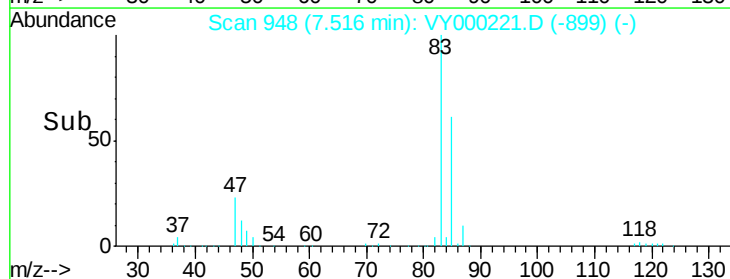
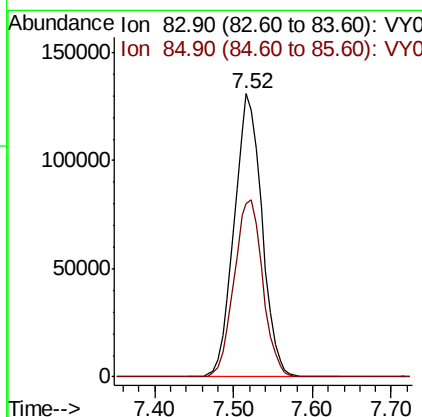
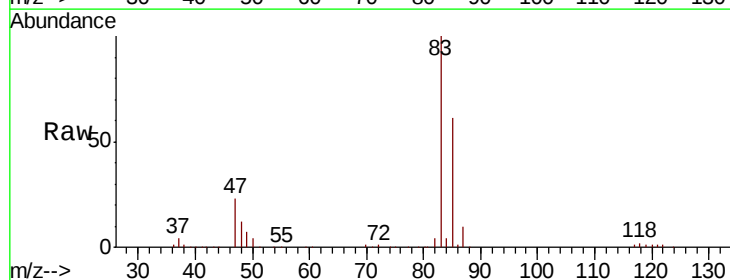
Manual Integrations
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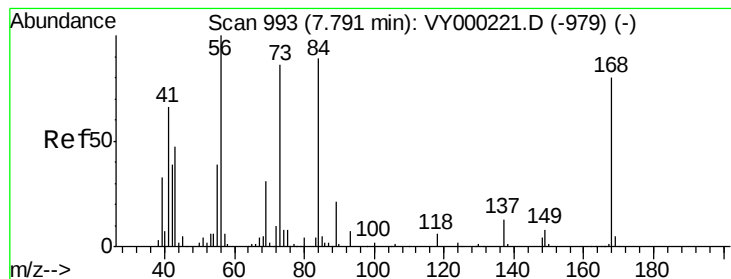
MMDadoda
10/10/2019 12:52:53 AM



#30
Chloroform
Concen: 70.987 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	52.1	78.1





#31

Cyclohexane

Concen: 66.049 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 310611

Ion Ratio Lower Upper

56 100

69 30.9 29.5 44.3

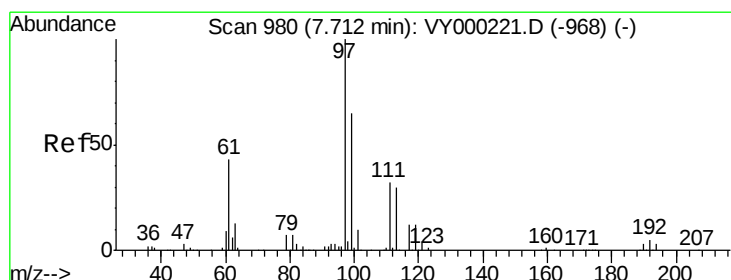
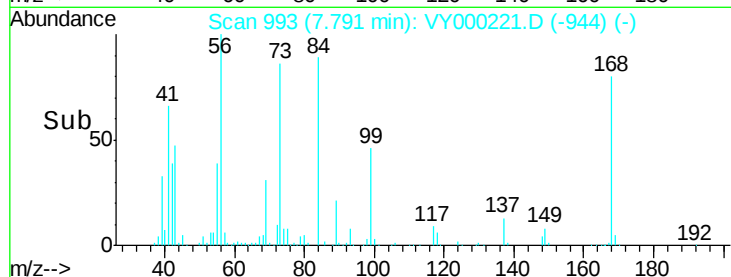
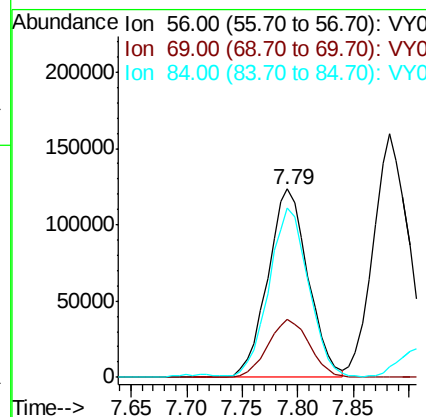
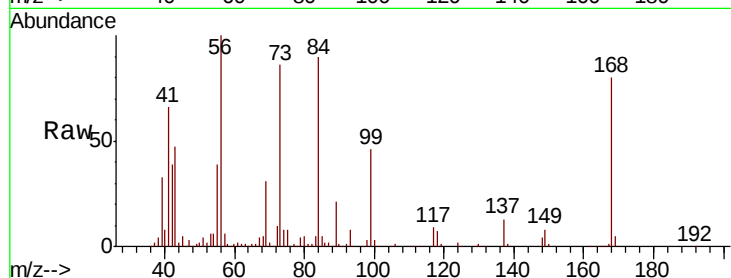
84 89.1 73.4 110.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 70.385 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

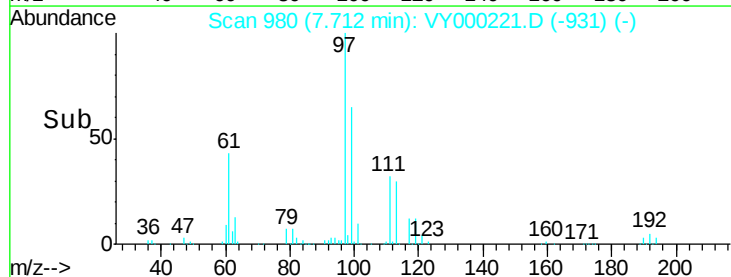
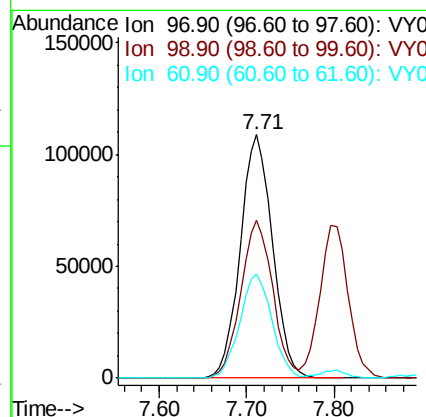
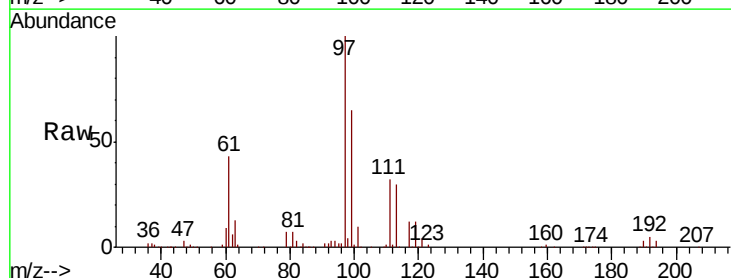
Tgt Ion: 97 Resp: 278556

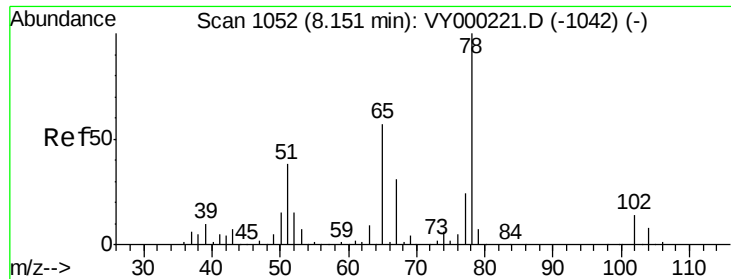
Ion Ratio Lower Upper

97 100

99 64.3 52.2 78.2

61 42.8 32.5 48.7





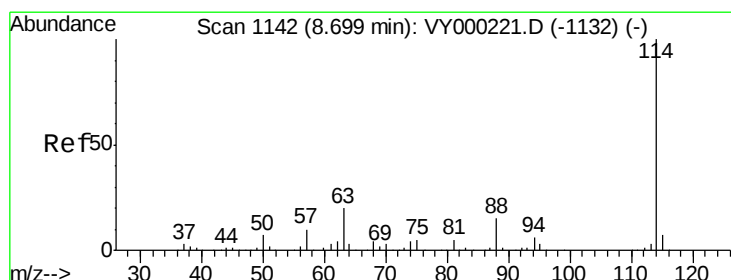
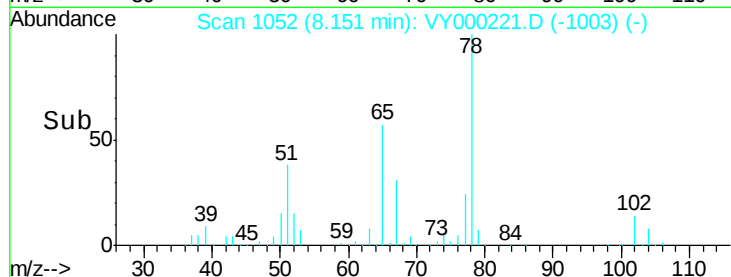
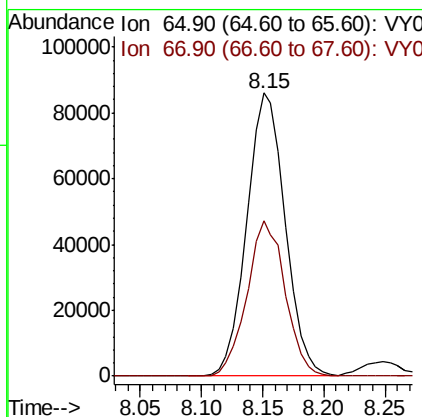
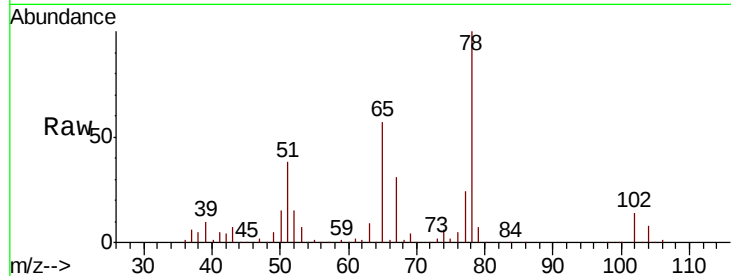
#33
 1,2-Dichloroethane-d4
 Concen: 70.646 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	187725		
67	54.5	0.0	107.8	

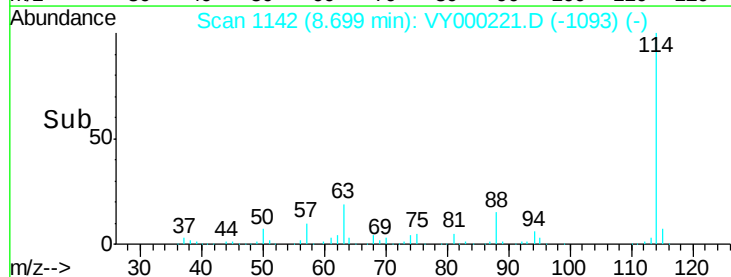
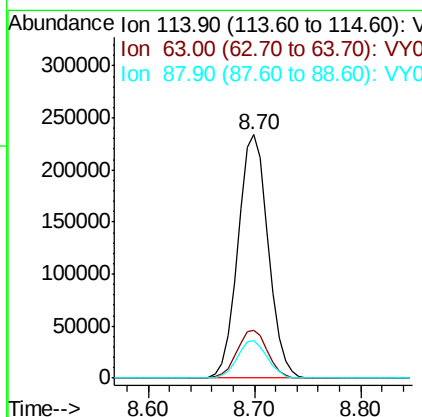
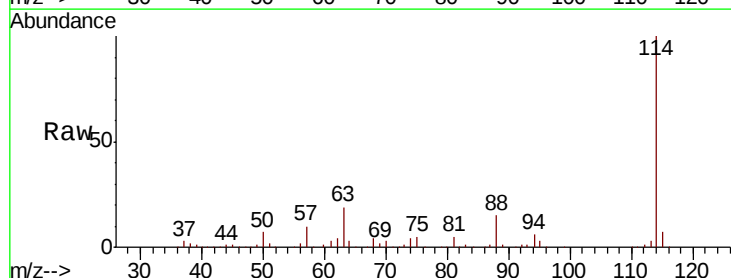
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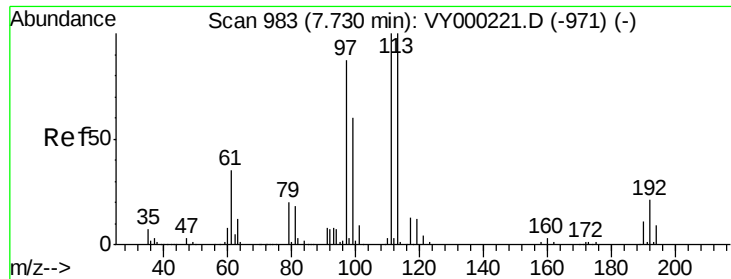
MMDadoda
 10/10/2019 12:52:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	466087		
63	19.5	0.0	33.4	
88	15.3	0.0	30.2	





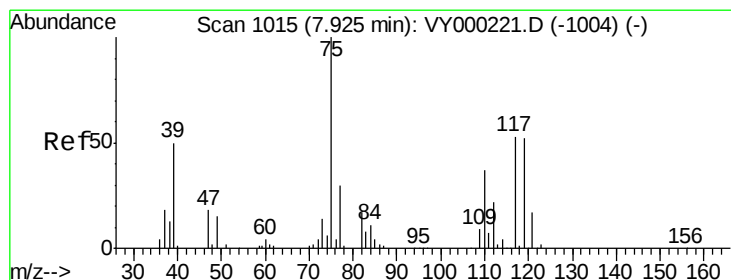
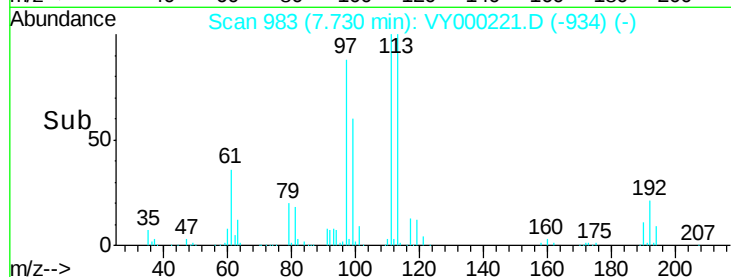
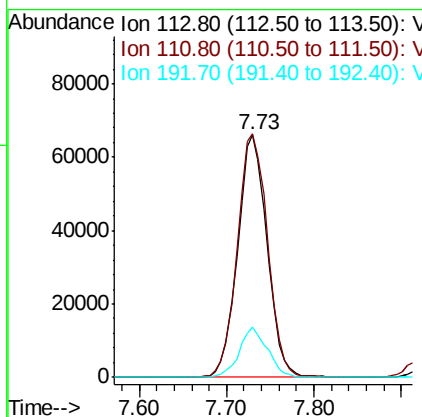
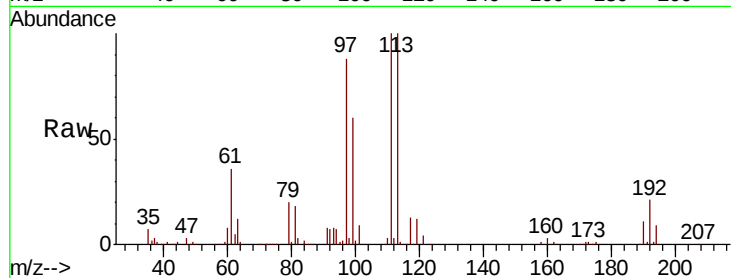
#35
Dibromofluoromethane
Concen: 57.573 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	154094		
111	103.3	84.0	126.0	
192	19.8	18.6	27.8	

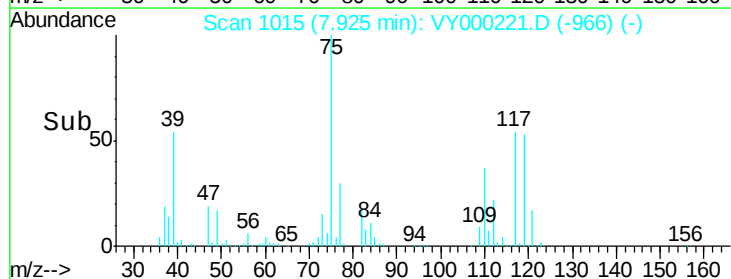
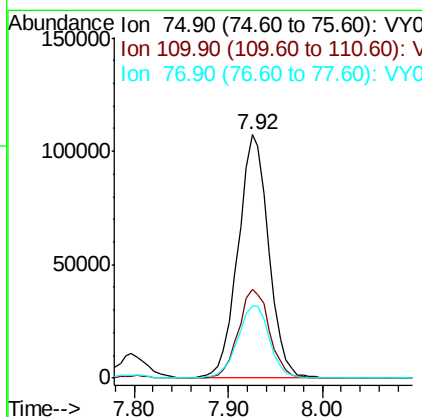
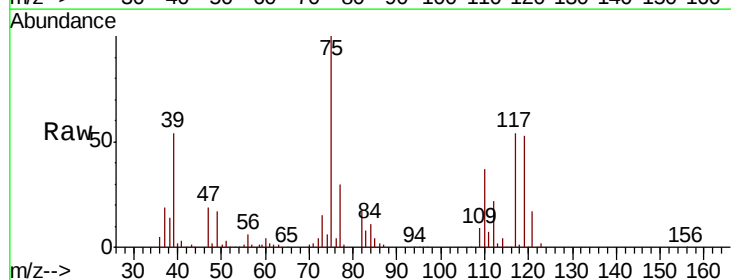
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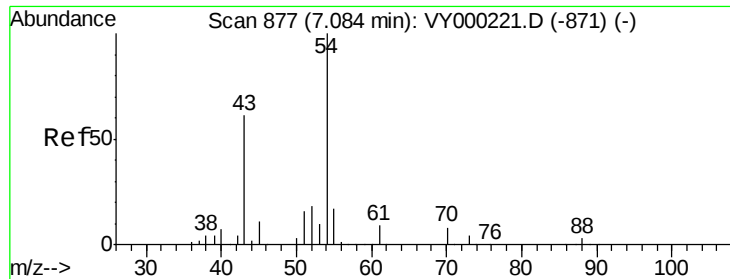
MMDadoda
10/10/2019 12:52:53 AM



#36
1,1-Dichloropropene
Concen: 65.285 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	244052		
110	36.8	20.2	60.5	
77	30.9	25.5	38.3	





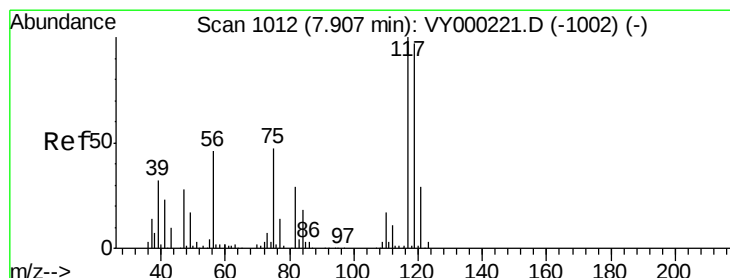
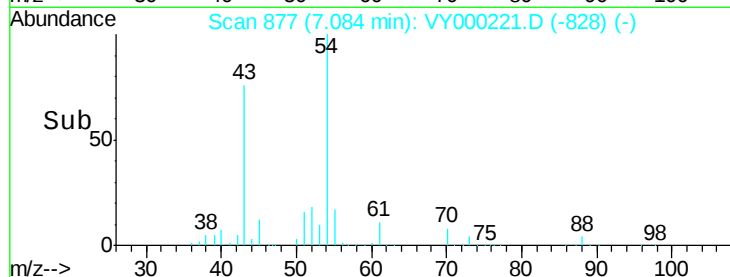
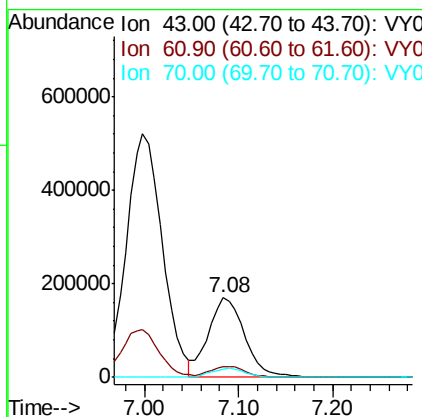
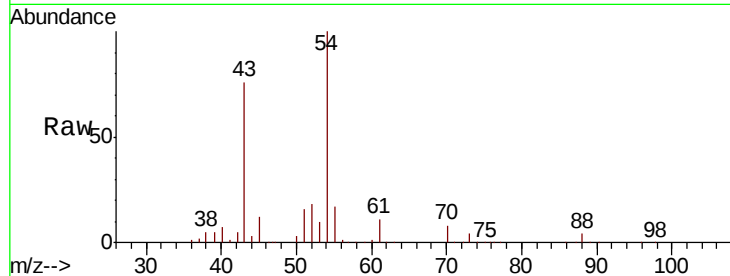
#37
Ethyl Acetate
Concen: 77.309 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.6	17.4
70	10.6	9.5	14.3

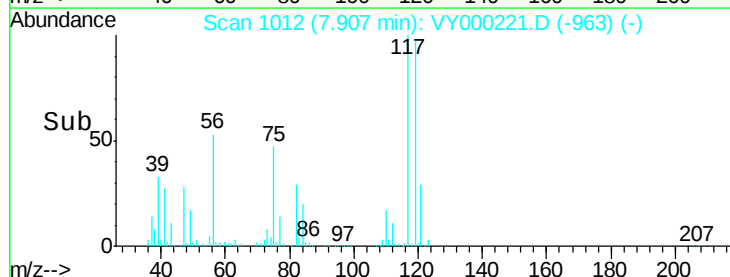
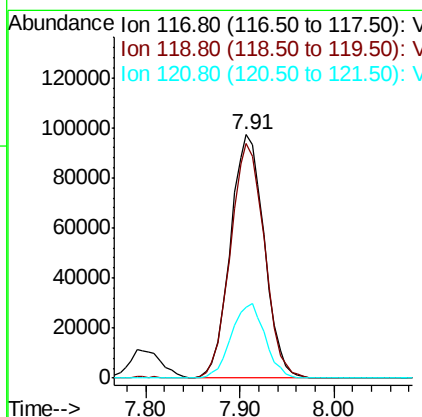
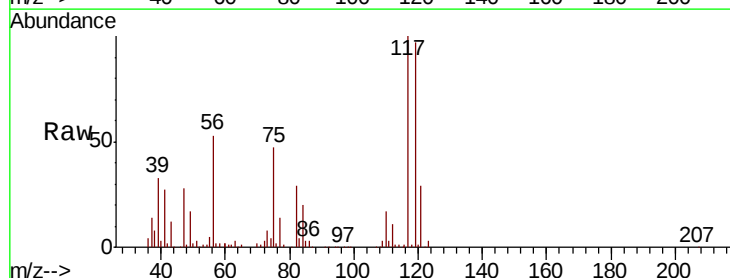
Manual Integrations
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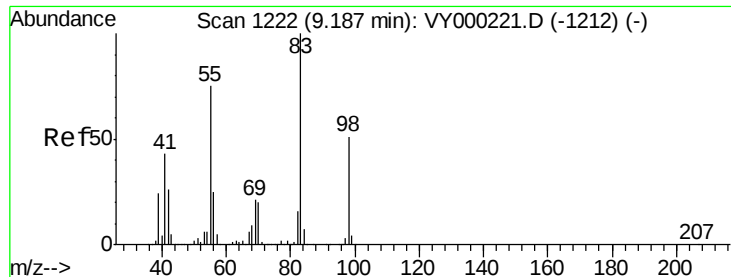
MMDadoda
10/10/2019 12:52:53 AM



#38
Carbon Tetrachloride
Concen: 60.533 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.7	112.1
121	28.9	25.1	37.7





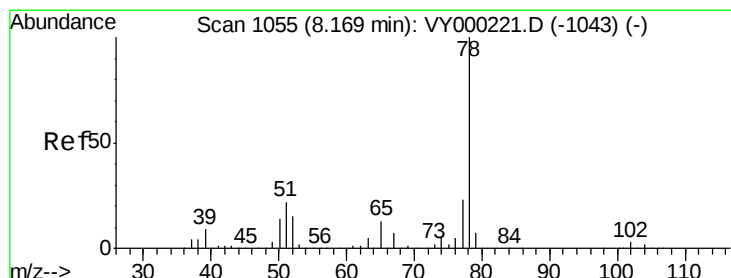
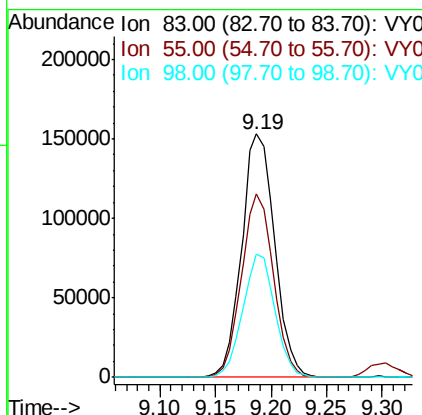
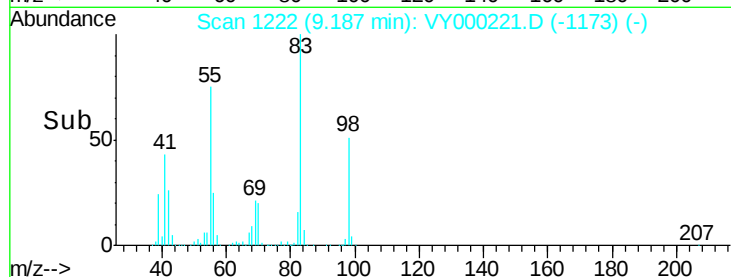
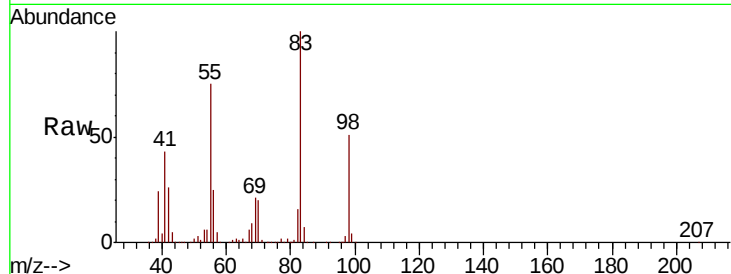
#39
Methvlcvclohexane
Concen: 63.515 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	53.3	79.9
98	50.6	43.8	65.8

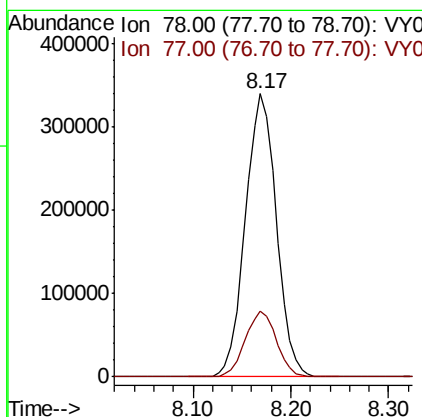
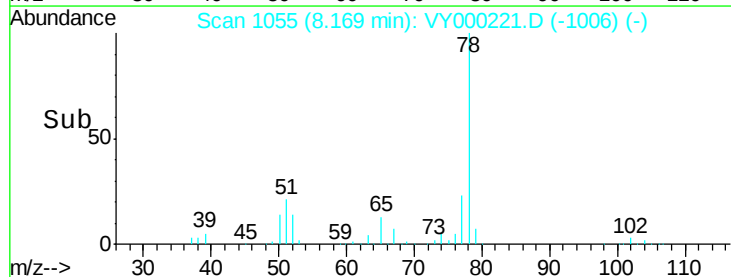
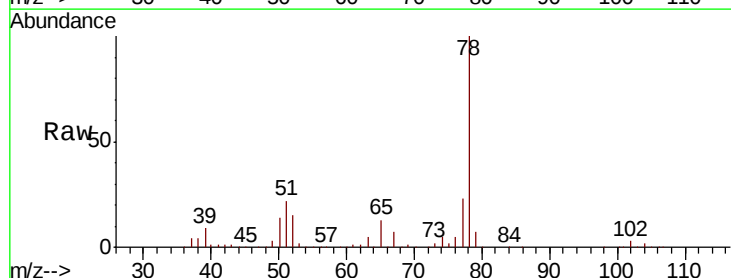
Manual Integrations
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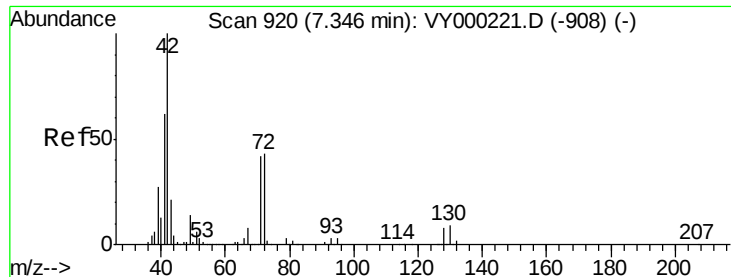
MMDadoda
10/10/2019 12:52:53 AM



#40
Benzene
Concen: 66.890 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	17.9	26.9





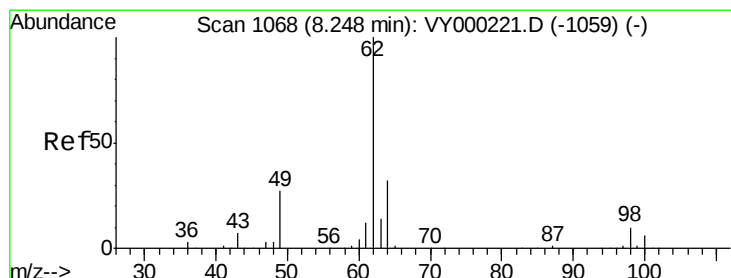
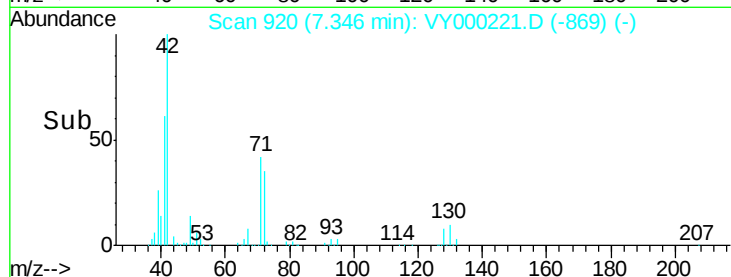
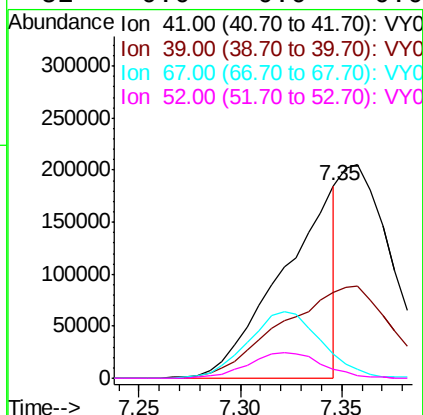
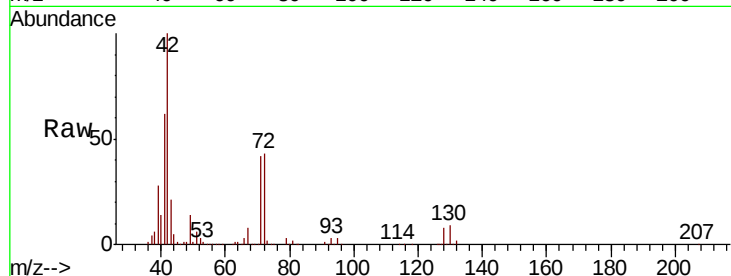
#41
Methacrylonitrile
Concen: 48.776 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	93.4	122.2	183.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

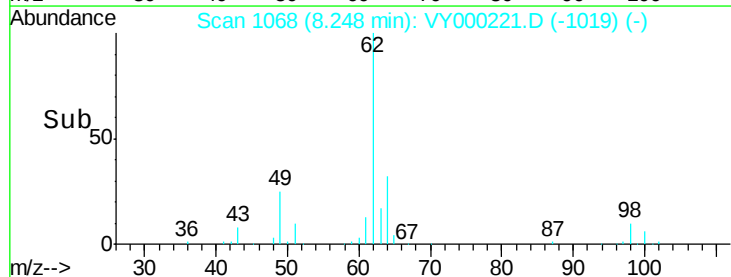
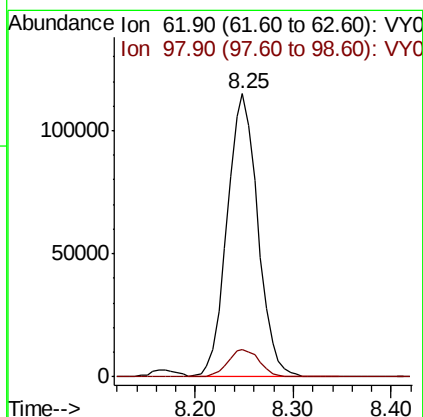
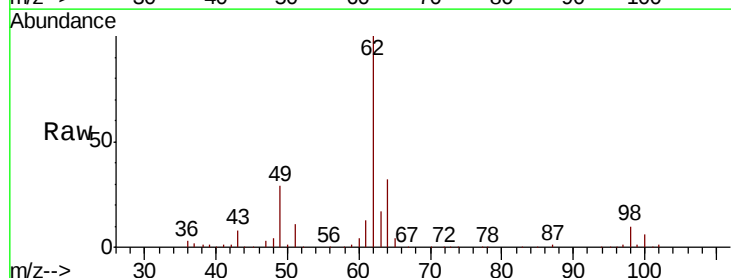
Manual Integrations
APPROVED

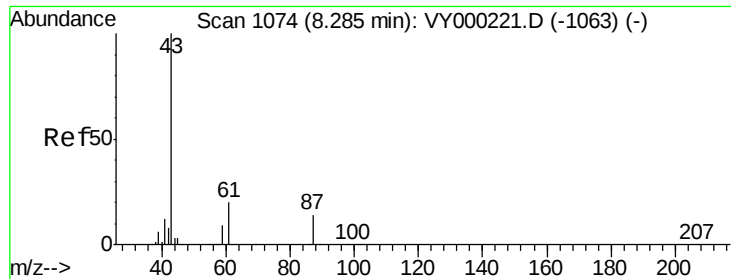
MMDadoda
10/10/2019 12:52:53 AM



#42
1,2-Dichloroethane
Concen: 68.754 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	23.0





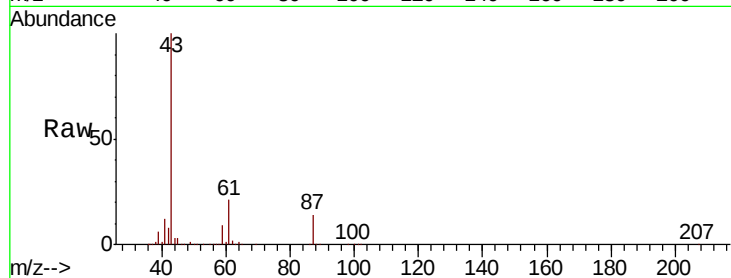
#43
Isopropyl Acetate
Concen: 77.584 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

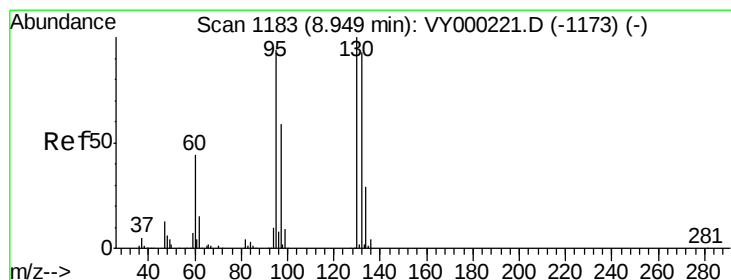
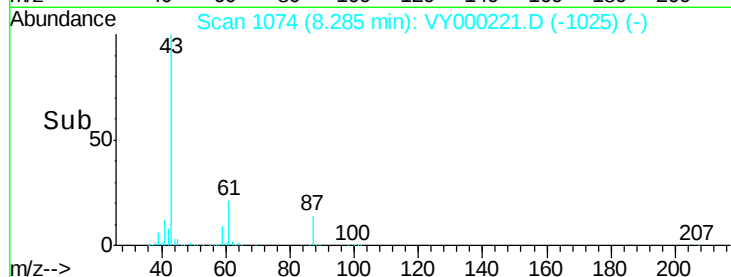
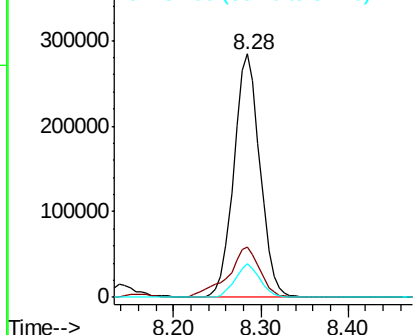
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.1	21.2	31.8
87	13.2	12.4	18.6

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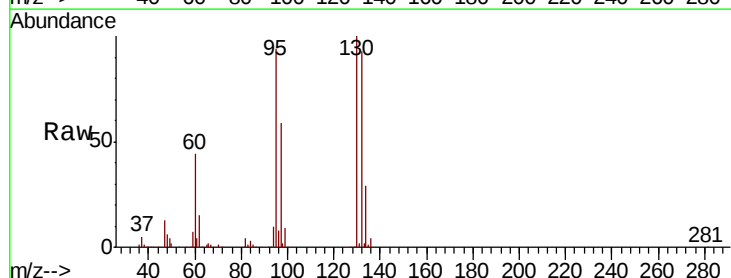


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

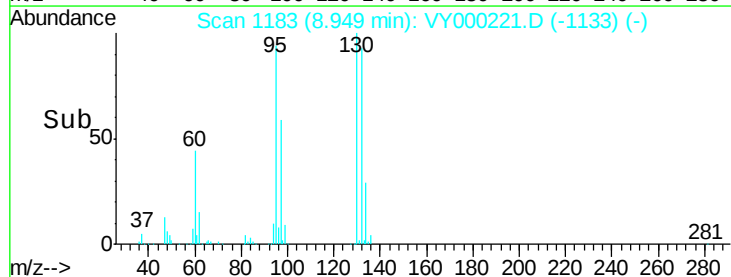
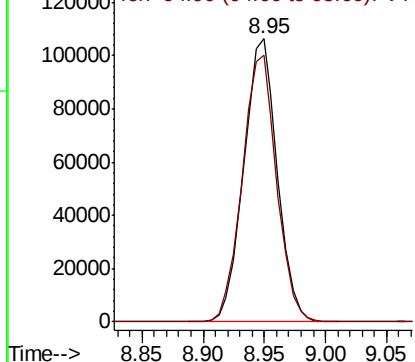


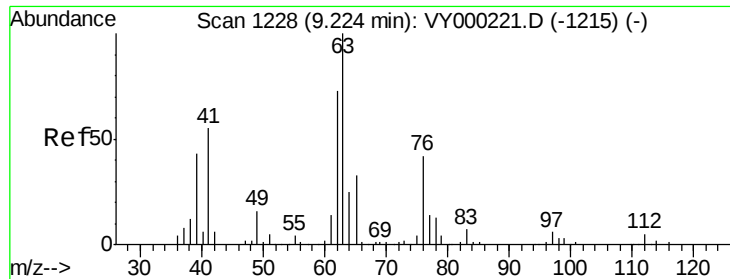
#44
Trichloroethene
Concen: 56.290 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	183.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





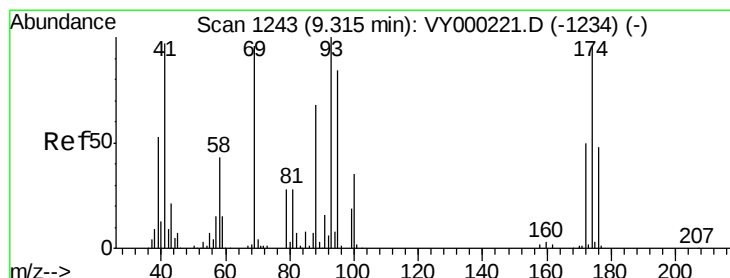
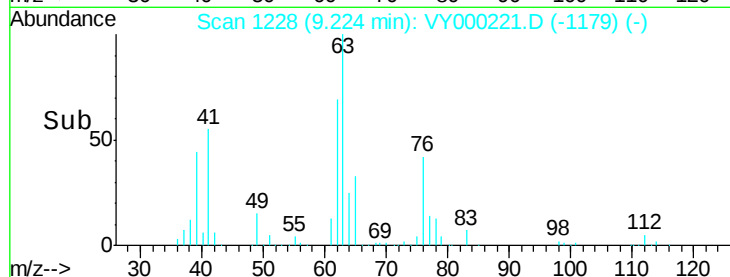
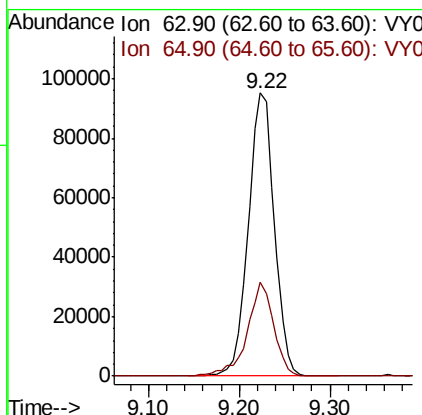
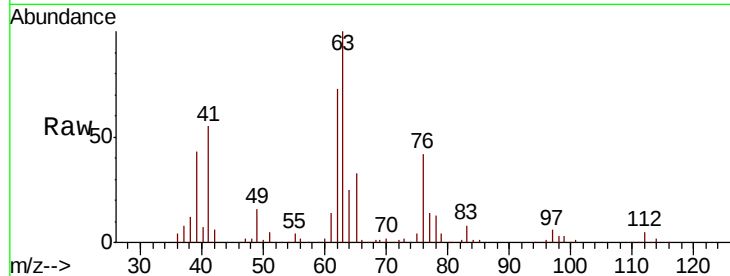
#45
 1,2-Dichloropropane
 Concen: 69.166 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 188740
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.2 36.2

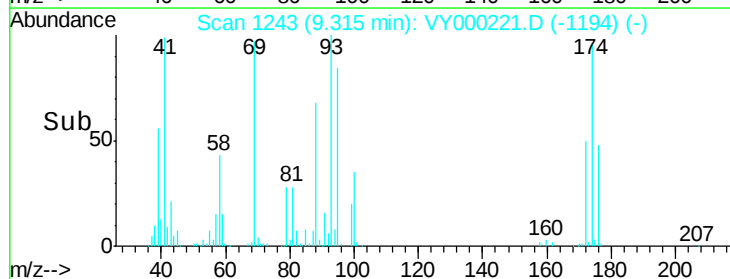
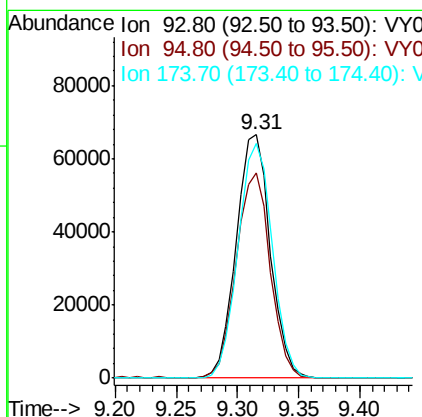
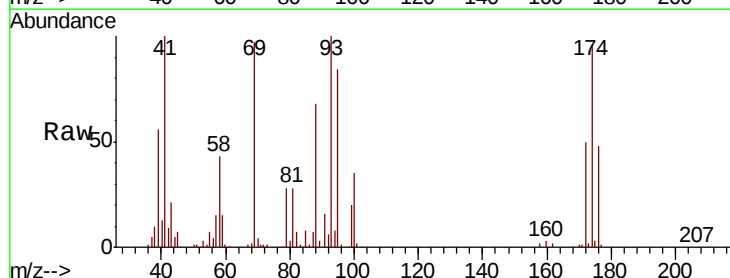
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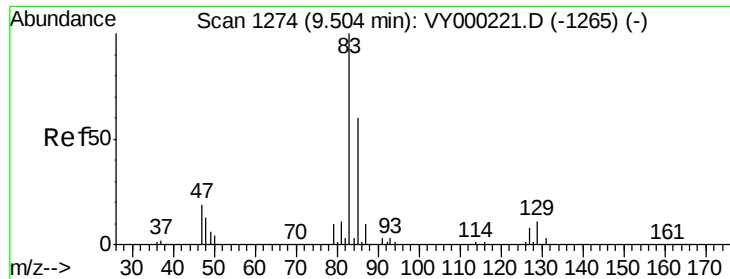
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#46
 Dibromomethane
 Concen: 63.674 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Tgt Ion: 93 Resp: 129161
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.8 98.6
 174 96.9 93.4 140.0





#47

Bromodichloromethane

Concen: 68.303 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

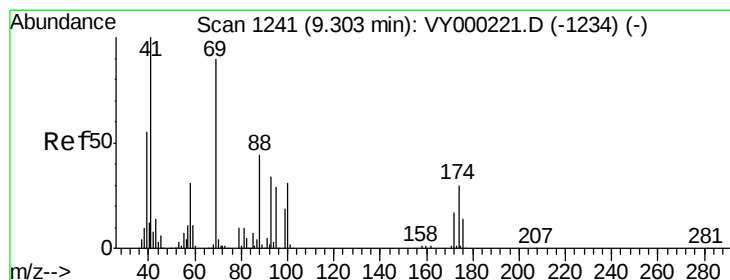
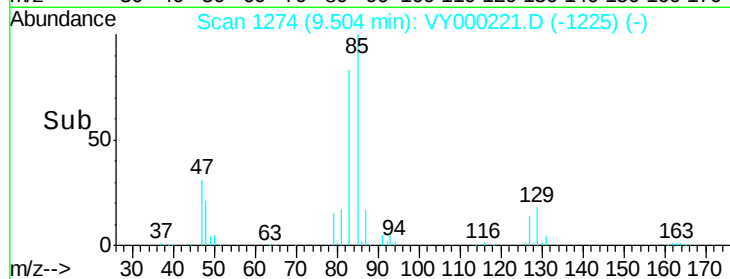
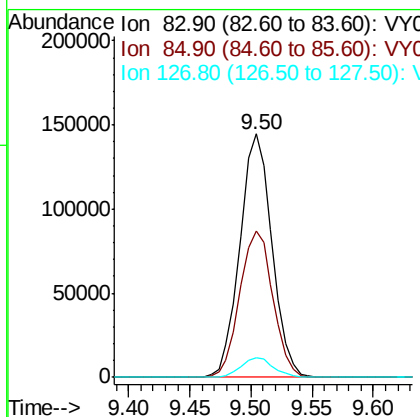
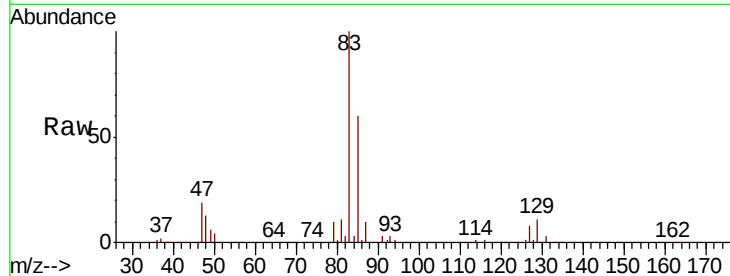
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	262891
Ion Ratio	Lower	Upper	
83	100		
85	60.0	51.0	76.4
127	8.1	6.6	9.8

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#48

Methyl methacrylate

Concen: 80.496 ug/l

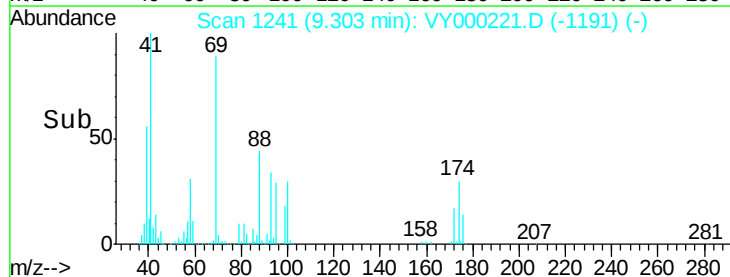
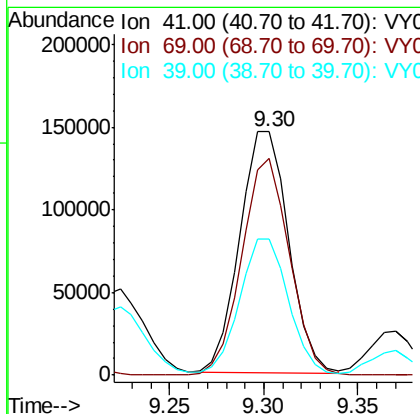
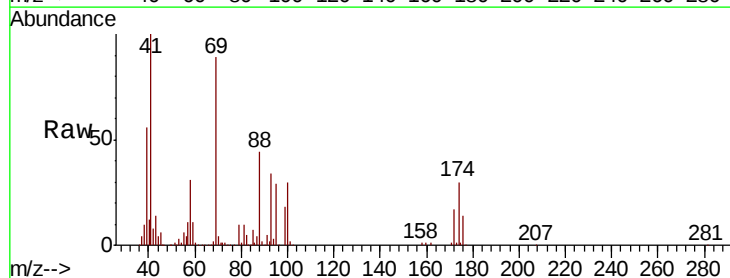
RT: 9.30 min Scan# 1241

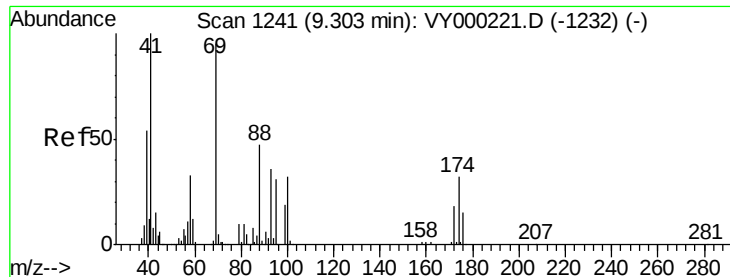
Delta R.T. 0.01 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Tgt Ion:	41	Resp:	262597
Ion Ratio	Lower	Upper	
41	100		
69	87.9	77.6	116.4
39	56.9	48.7	73.1





#49

1,4-Dioxane

Concen: 1306.436 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 88 Resp: 133554

Ion Ratio Lower Upper

88 100

43 30.6 20.2 30.2#

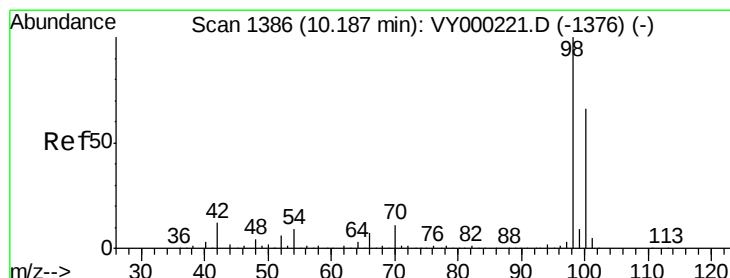
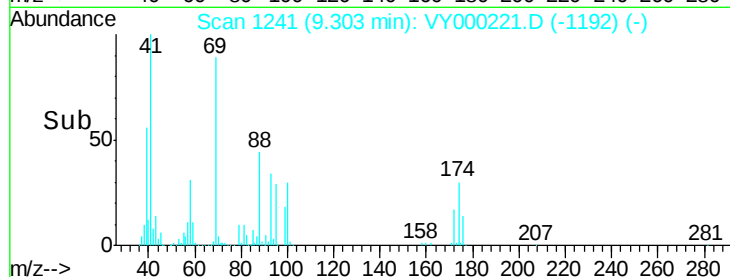
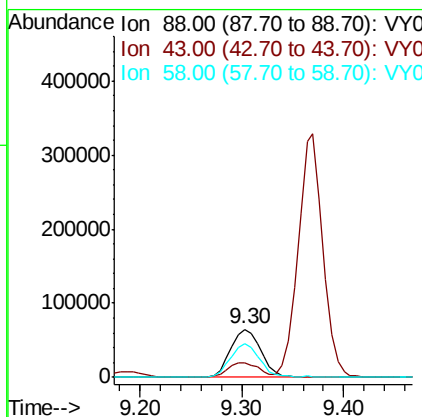
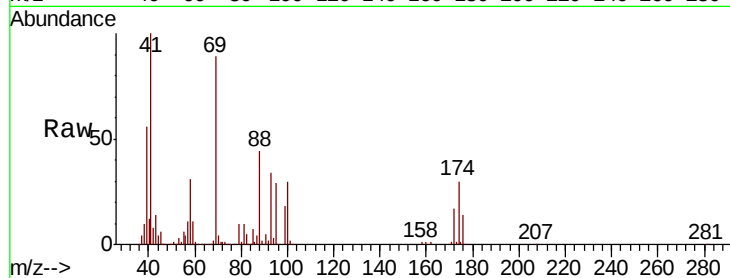
58 67.7 46.8 70.2

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#50

Toluene-d8

Concen: 62.102 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000221.D

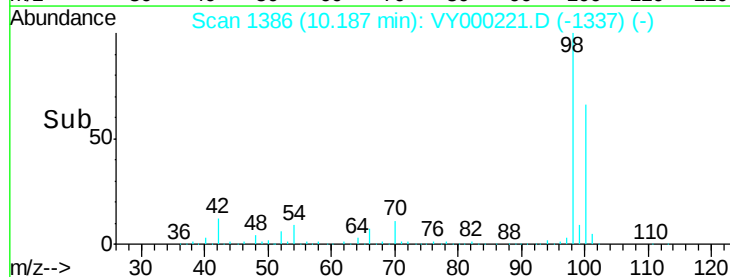
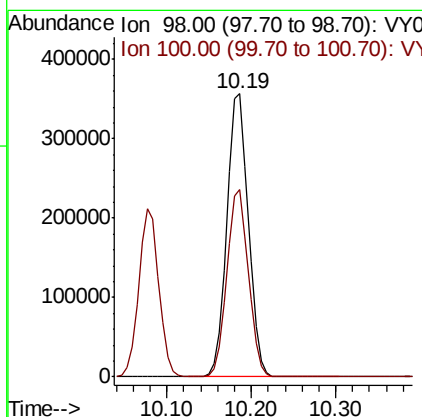
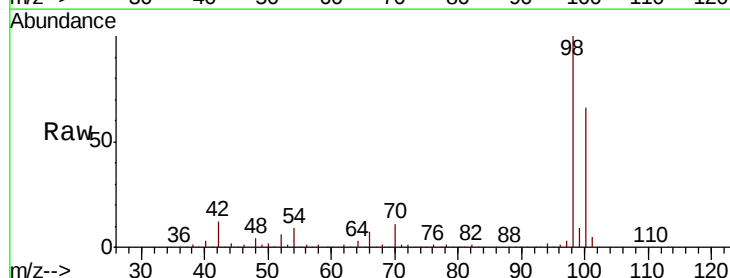
Acq: 08 Oct 2019 13:44

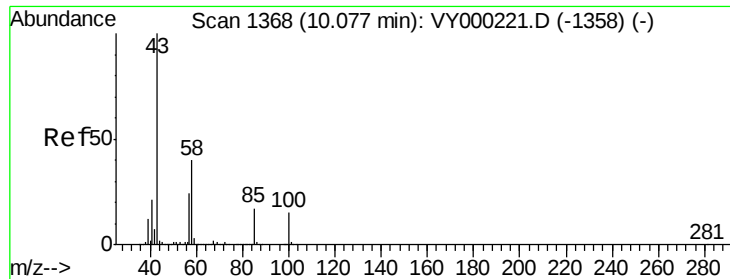
Tgt Ion: 98 Resp: 613093

Ion Ratio Lower Upper

98 100

100 66.3 53.6 80.4





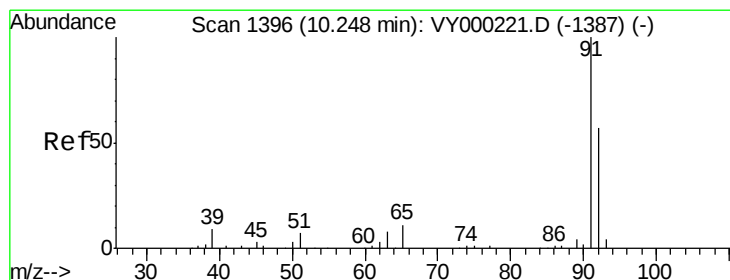
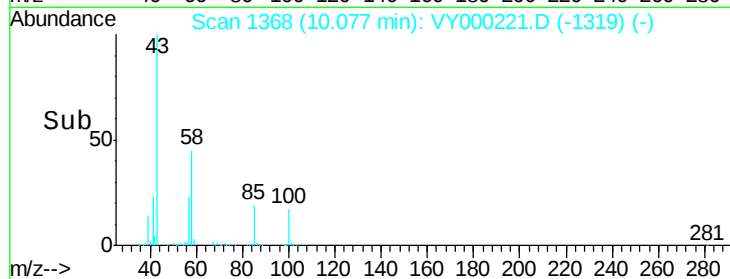
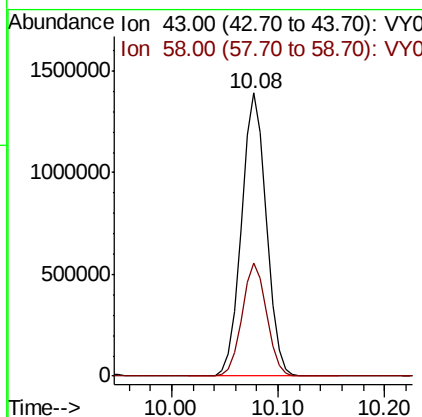
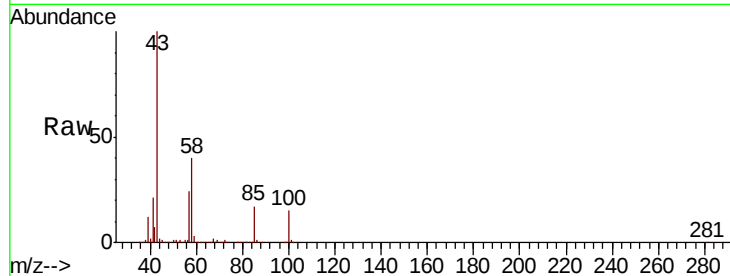
#51
4-Methyl-2-Pentanone
Concen: 405.877 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 2279221
Ion Ratio Lower Upper
43 100
58 39.6 33.0 49.6

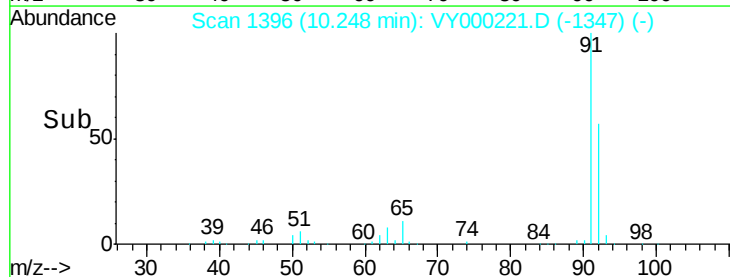
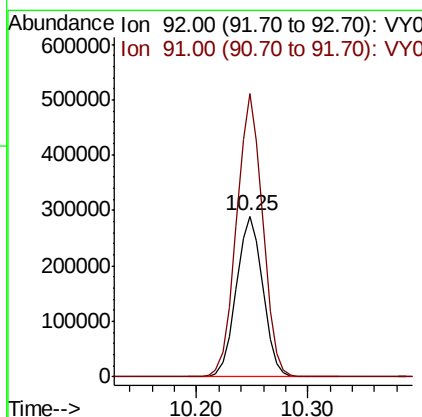
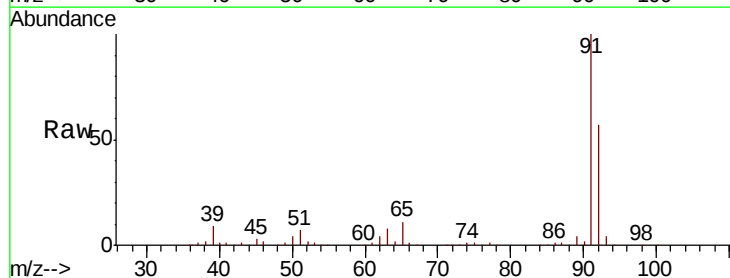
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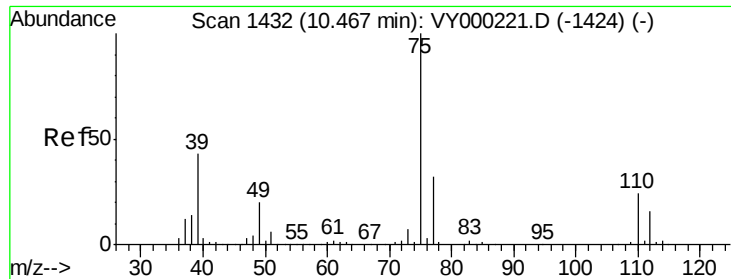
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#52
Toluene
Concen: 64.838 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion: 92 Resp: 475260
Ion Ratio Lower Upper
92 100
91 173.9 138.9 208.3





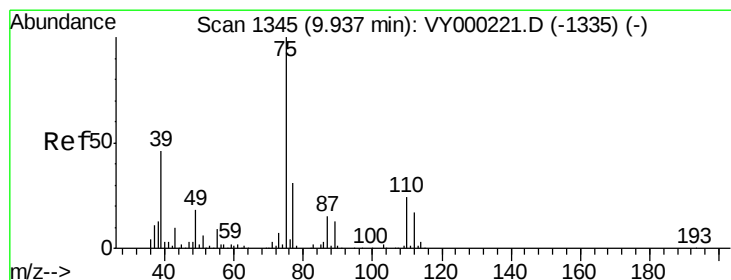
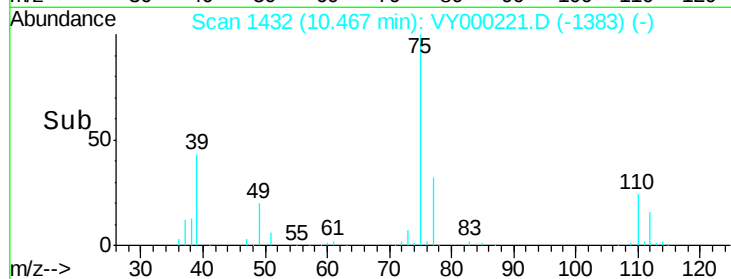
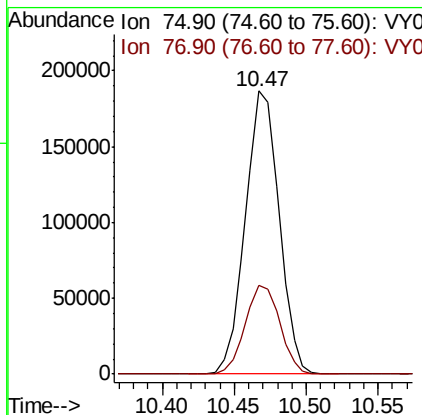
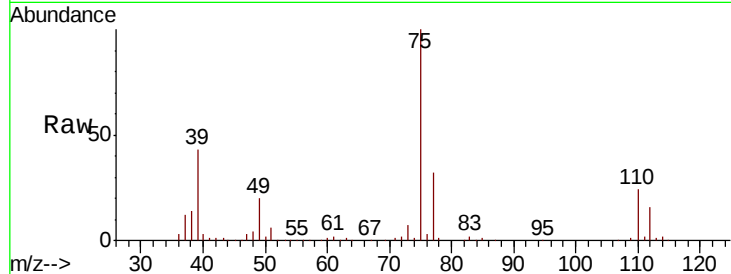
#53
t-1,3-Dichloropropene
Concen: 70.220 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 303530
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.6

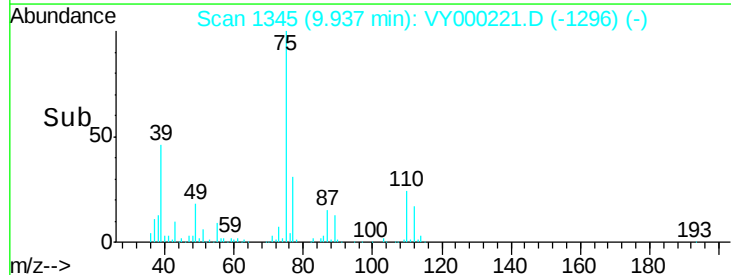
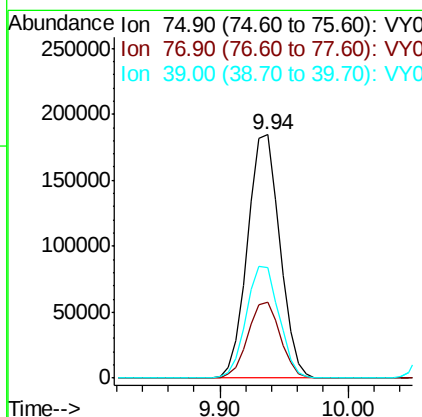
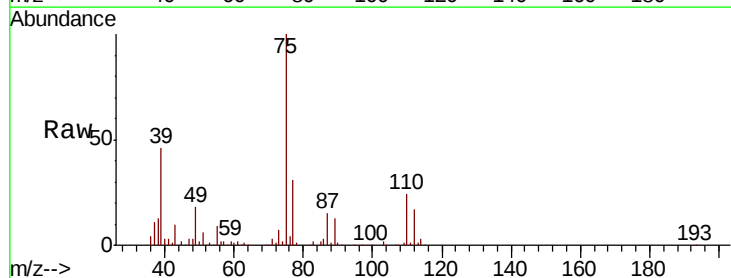
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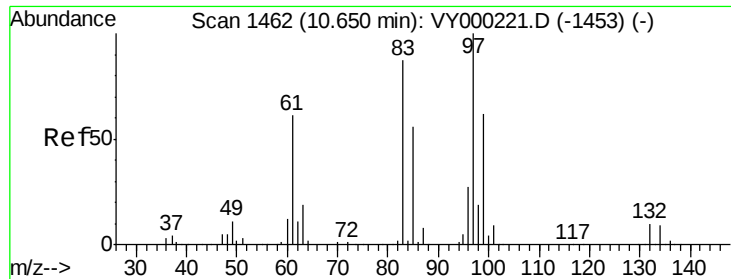
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#54
cis-1,3-Dichloropropene
Concen: 69.015 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion: 75 Resp: 319519
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 45.4 33.2 49.8





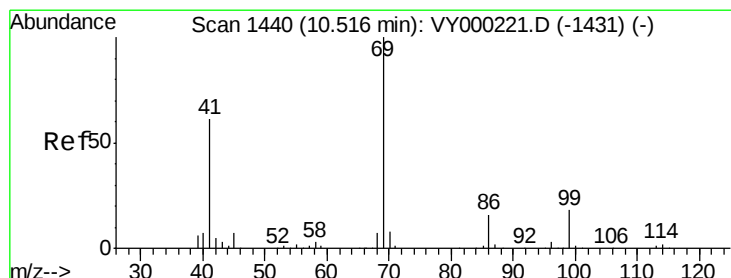
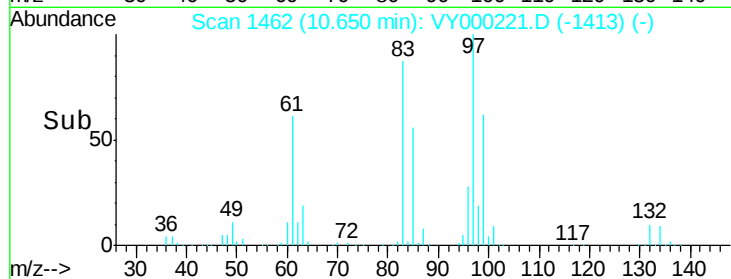
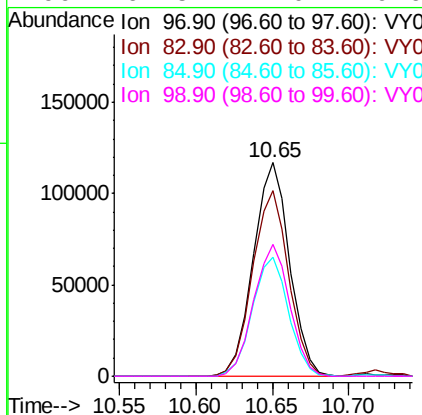
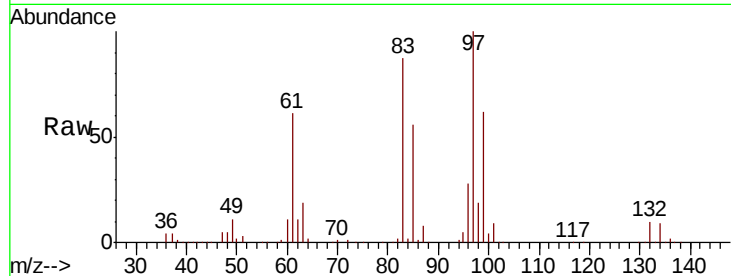
#55
 1,1,2-Trichloroethane
 Concen: 64.180 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	192999
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.2	99.2
85	55.7	41.0	61.6
99	61.5	47.0	70.6

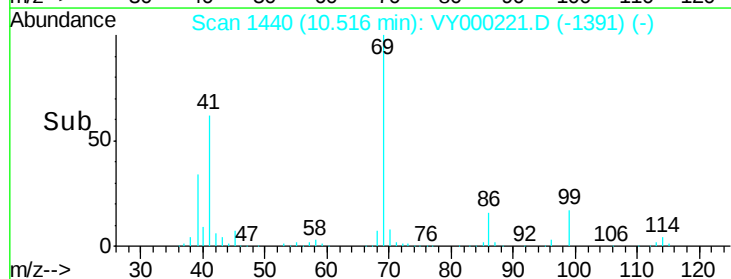
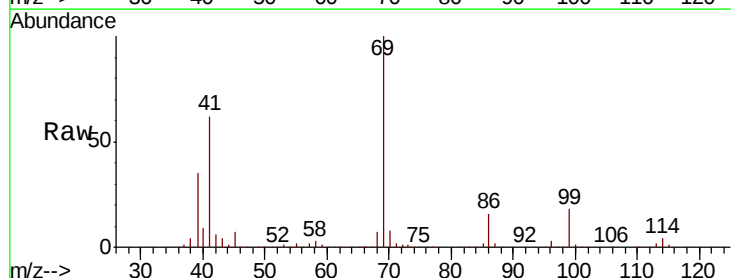
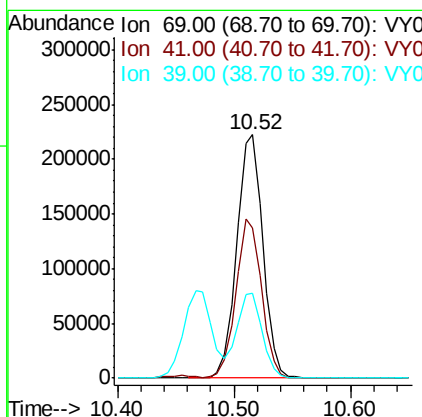
Manual Integrations
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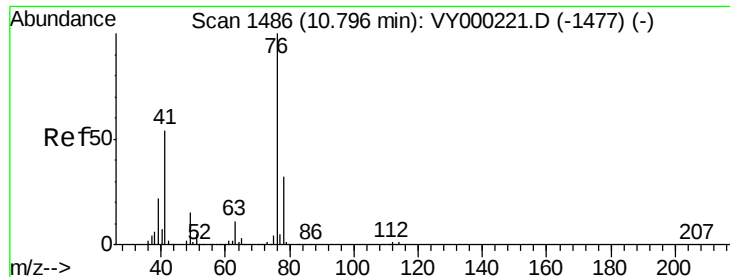
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#56
 Ethyl methacrylate
 Concen: 75.945 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Tgt Ion:	69	Resp:	347439
Ion	Ratio	Lower	Upper
69	100		
41	64.0	46.9	70.3
39	33.7	27.4	41.0





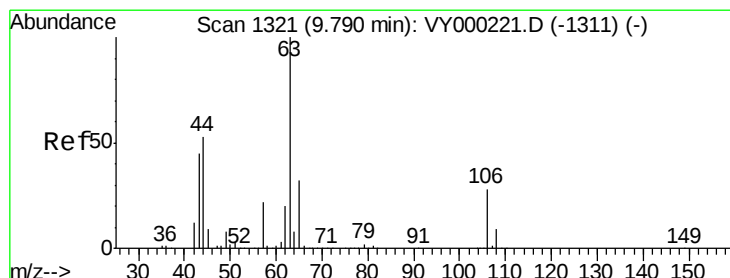
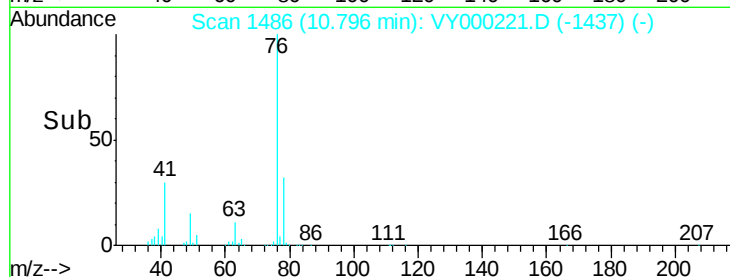
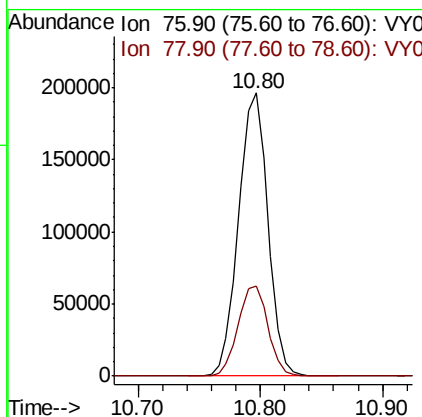
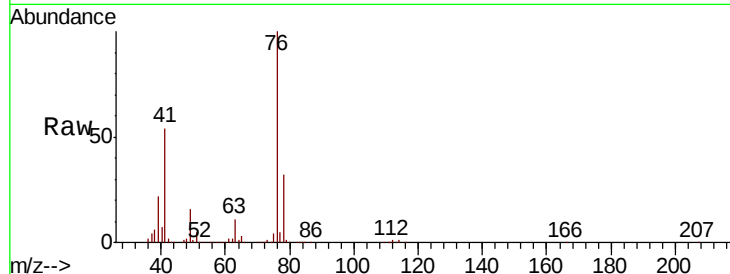
#57
 1,3-Dichloropropane
 Concen: 68.210 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 325867
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8

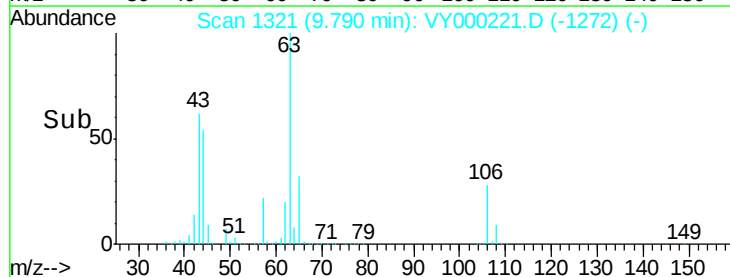
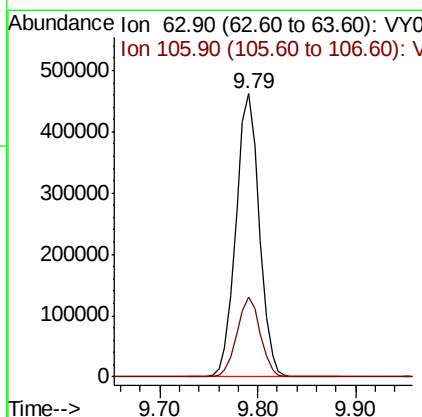
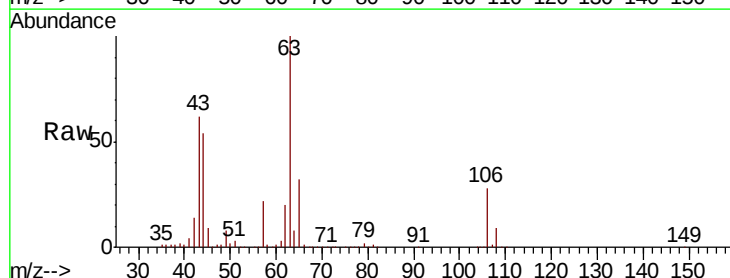
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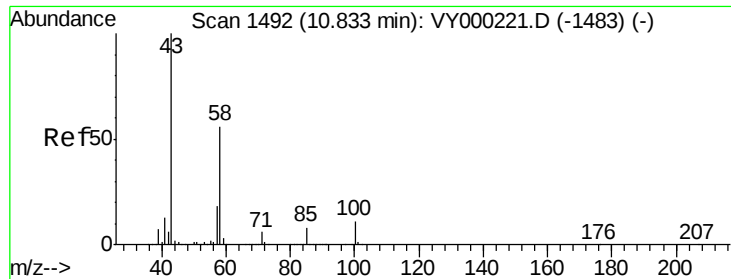
MMDadoda
 10/10/2019 12:52:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 293.868 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Tgt Ion: 63 Resp: 764756
 Ion Ratio Lower Upper
 63 100
 106 28.2 26.8 40.2





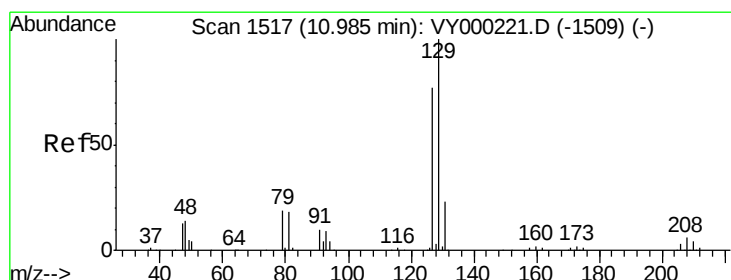
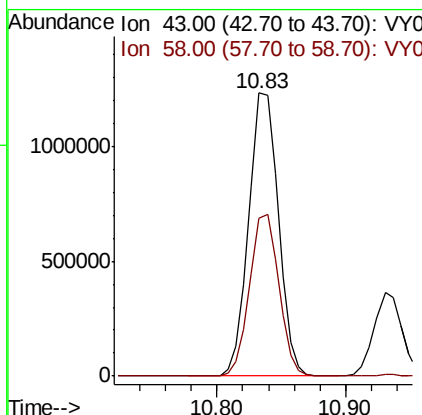
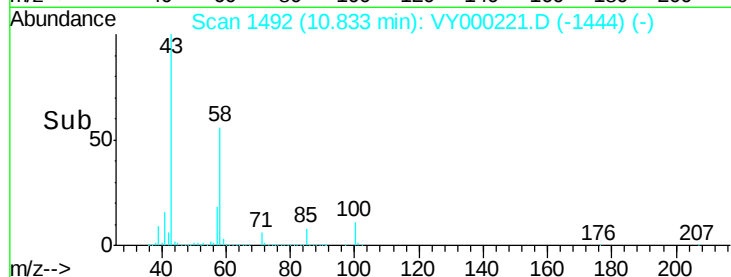
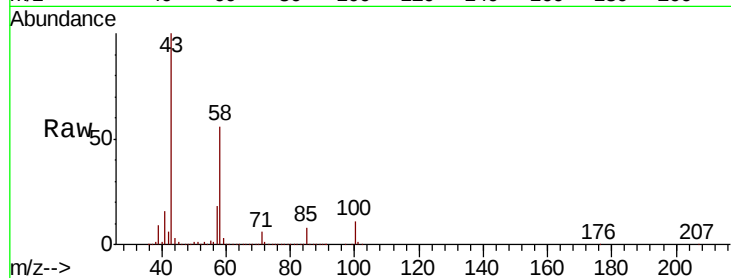
#59
2-Hexanone
Concen: 410.237 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1958610
Ion Ratio Lower Upper
43 100
58 56.4 28.7 86.1

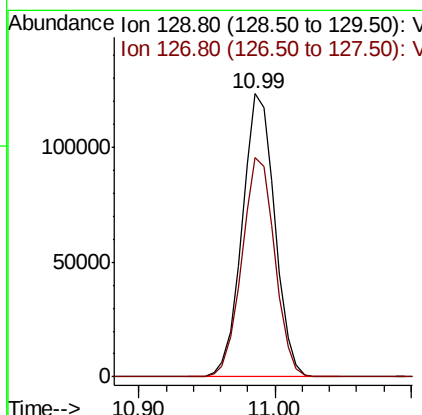
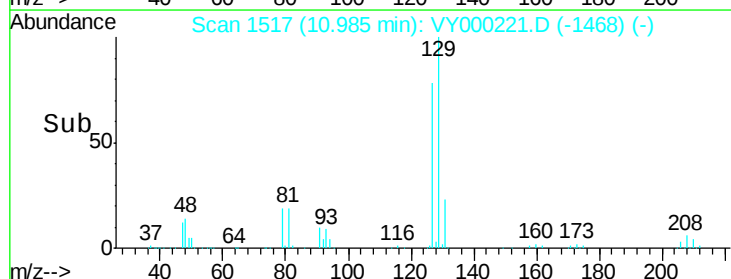
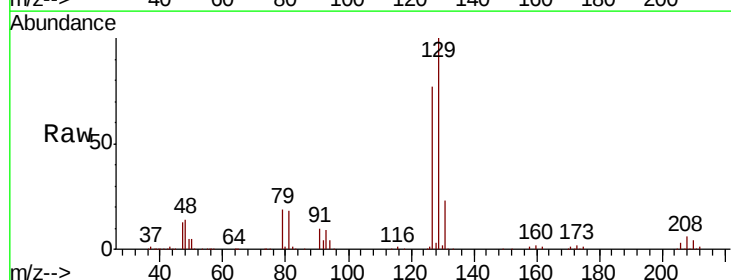
Manual Integrations
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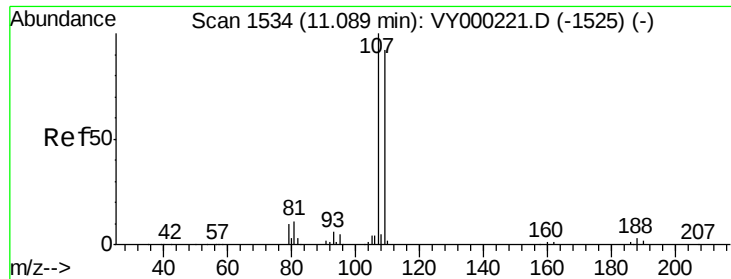
MMDadoda
10/10/2019 12:52:53 AM



#60
Dibromochloromethane
Concen: 61.507 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion: 129 Resp: 206420
Ion Ratio Lower Upper
129 100
127 78.1 39.2 117.6





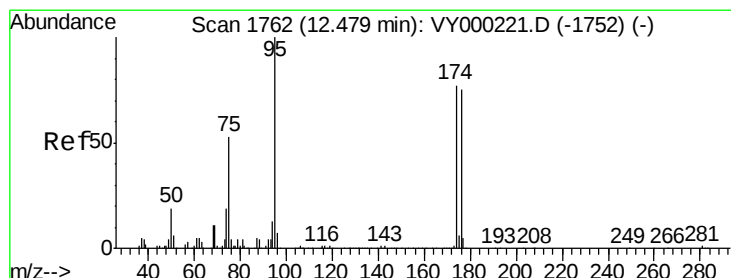
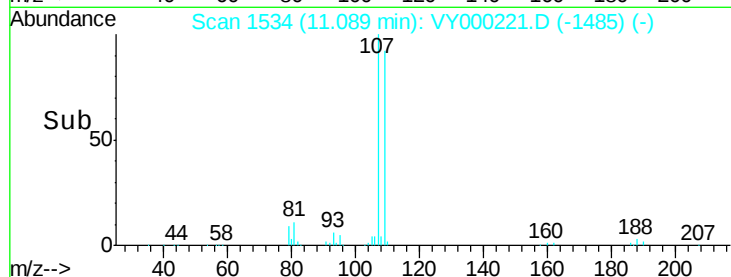
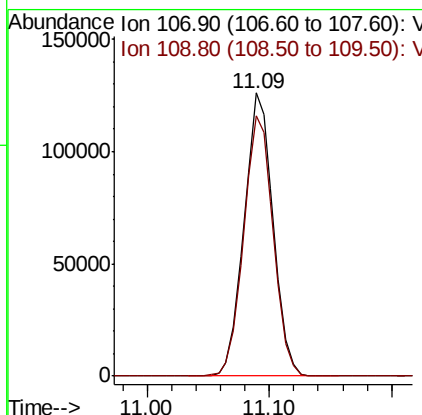
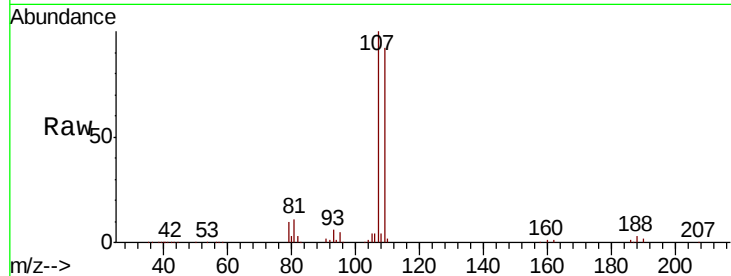
#61
 1,2-Dibromoethane
 Concen: 63.446 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6

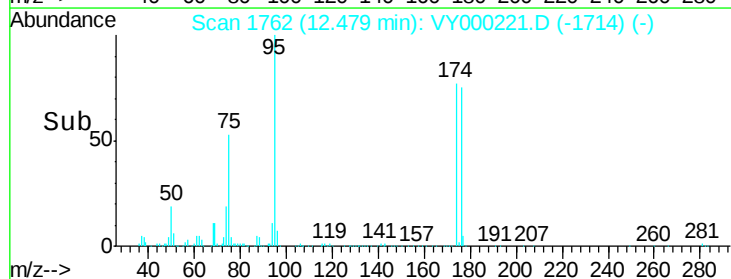
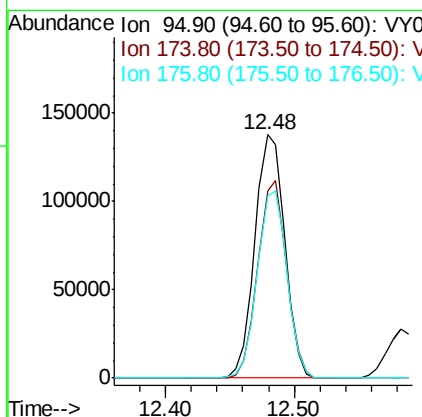
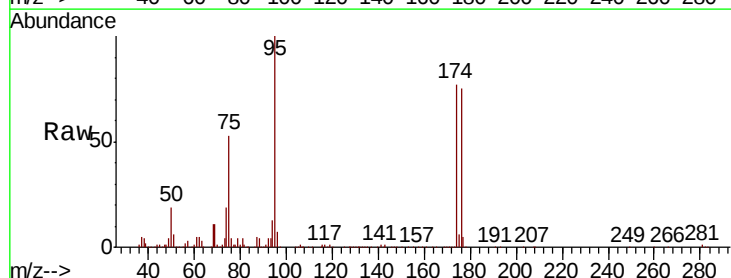
Manual Integrations
 APPROVED

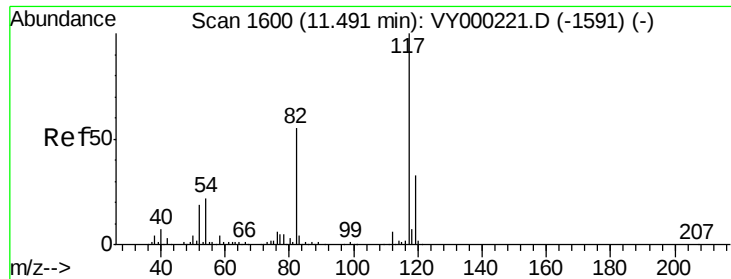
MMDadoda
 10/10/2019 12:52:53 AM



#62
 4-Bromofluorobenzene
 Concen: 61.825 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	188.4
176	76.5	0.0	182.8





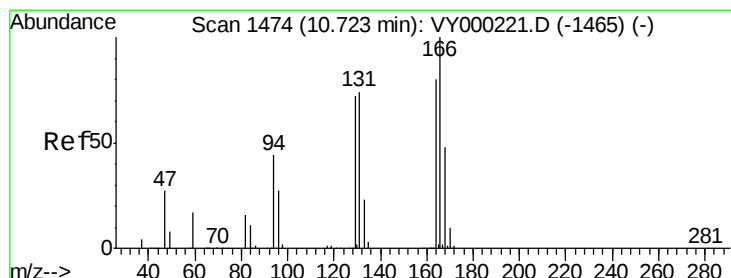
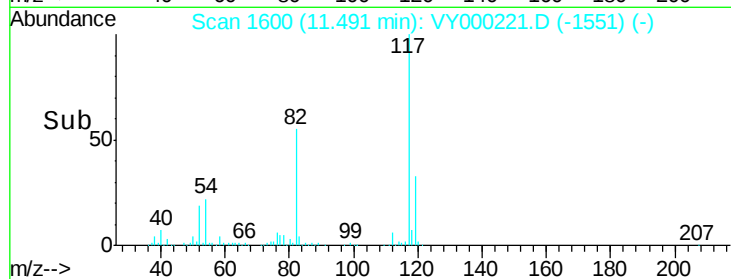
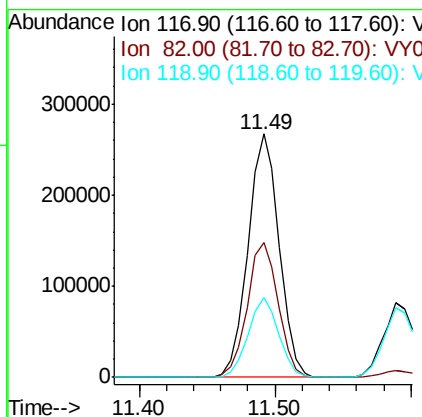
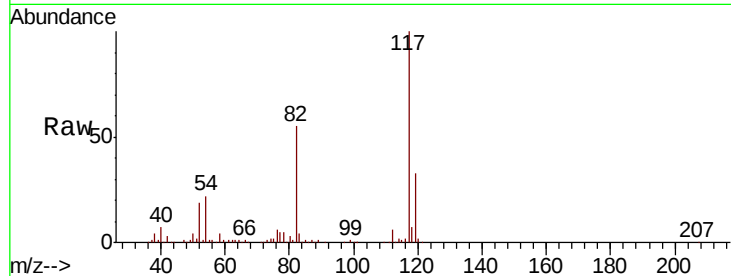
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	427415		
82	55.5	39.4	59.2	
119	32.7	25.8	38.6	

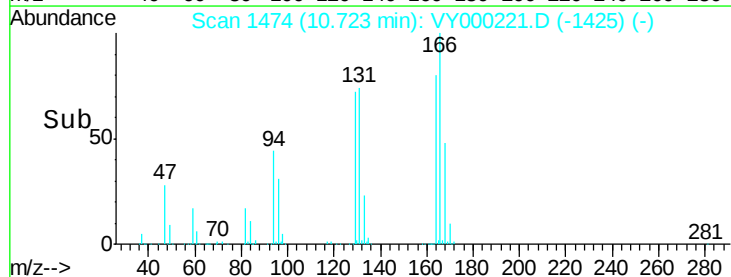
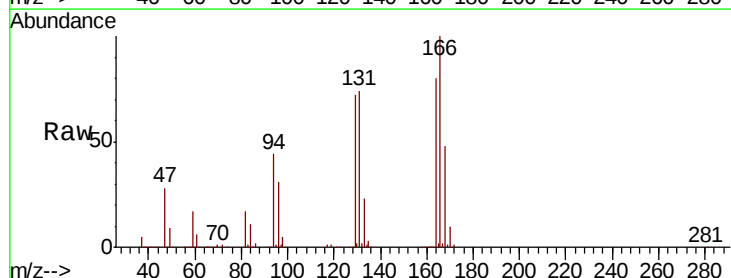
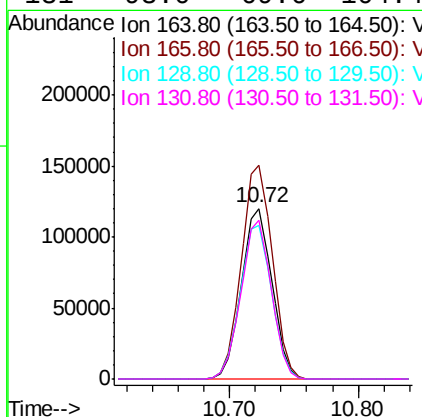
Manual Integrations
APPROVED

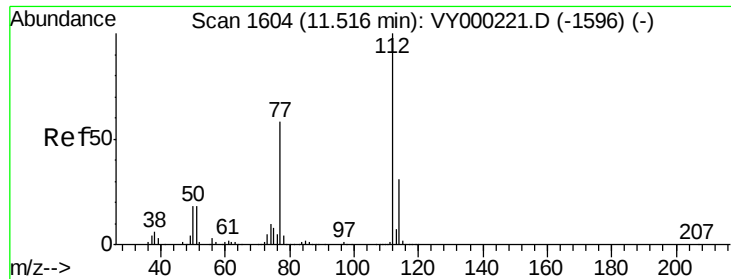
MMDadoda
10/10/2019 12:52:53 AM



#64
Tetrachloroethene
Concen: 51.783 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	196561		
166	125.4	98.4	147.6	
129	90.5	68.6	103.0	
131	93.0	69.6	104.4	





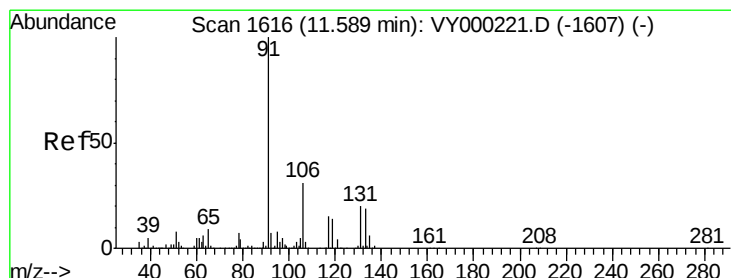
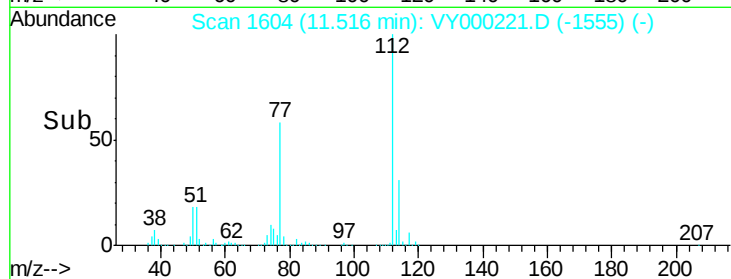
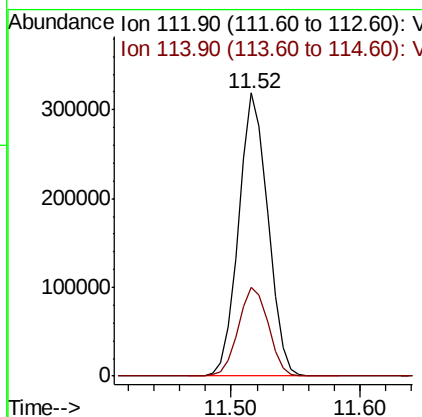
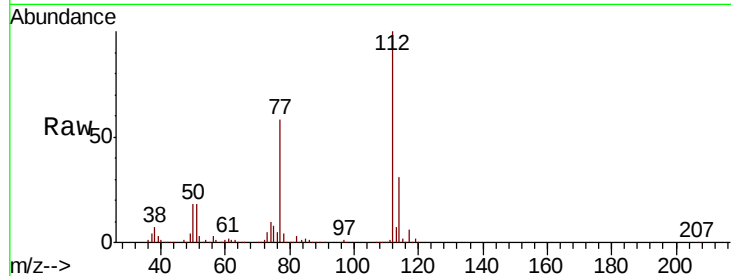
#65
Chlorobenzene
Concen: 60.145 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	500662		
114	31.2	24.4	36.6	

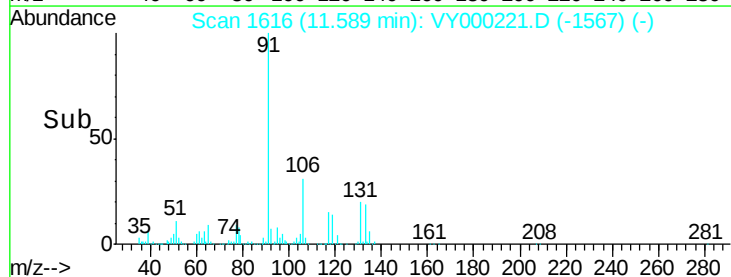
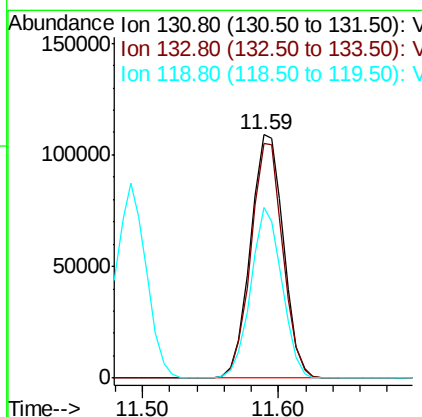
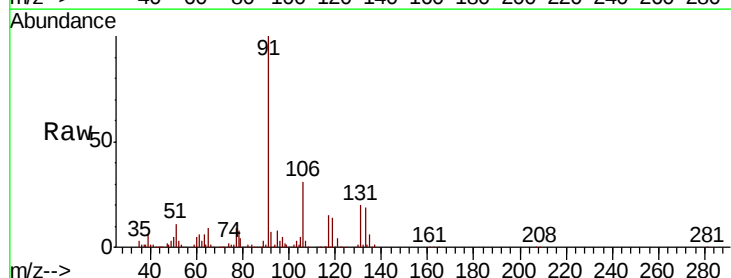
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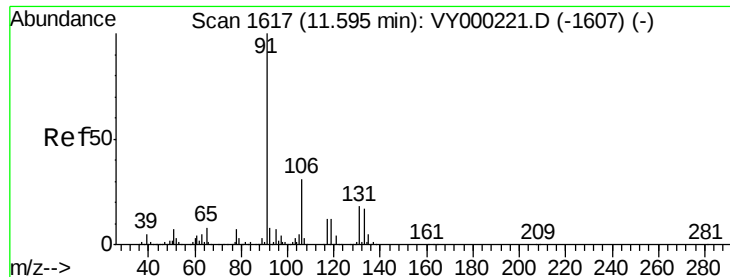
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 59.223 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	184828		
133	94.1	47.1	141.4	
119	66.5	31.4	94.3	





#67

Ethyl Benzene

Concen: 64.759 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 930589

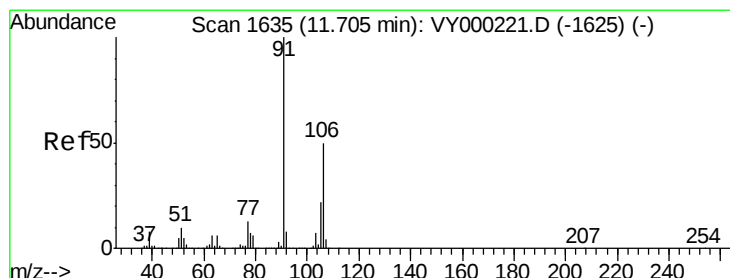
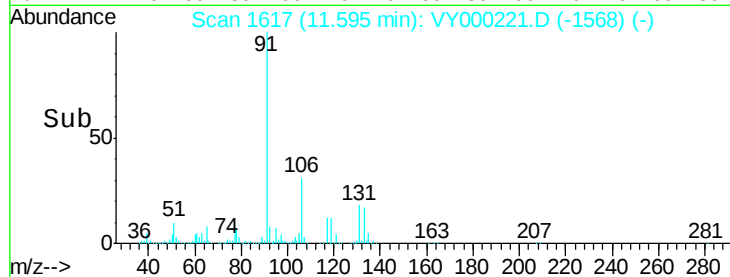
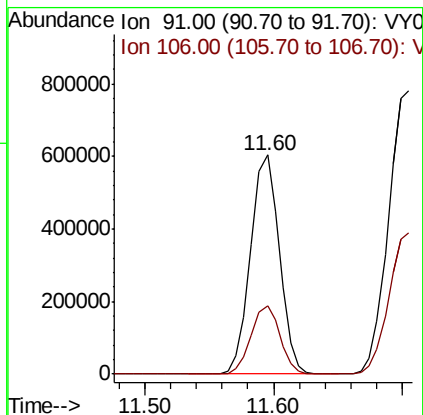
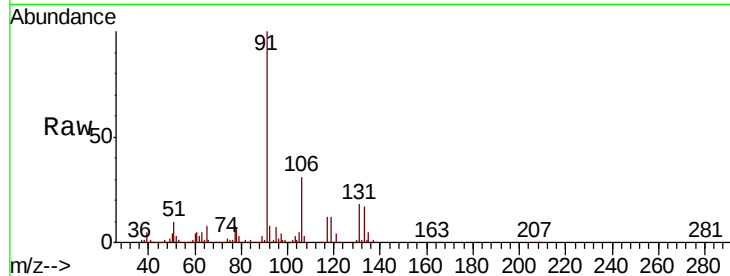
Ion Ratio Lower Upper

91 100

106 31.5 26.9 40.3

Manual Integrations
APPROVED

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10/10/2019 12:52:53 AM



#68

m/p-Xylenes

Concen: 125.429 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VY000221.D

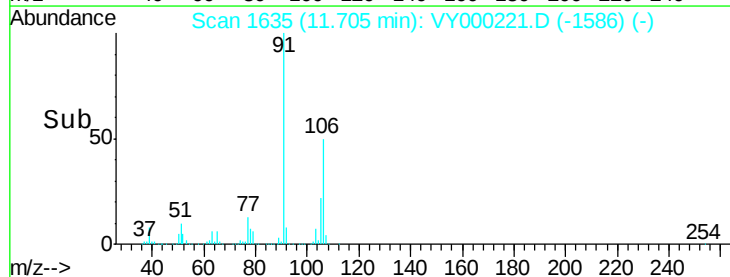
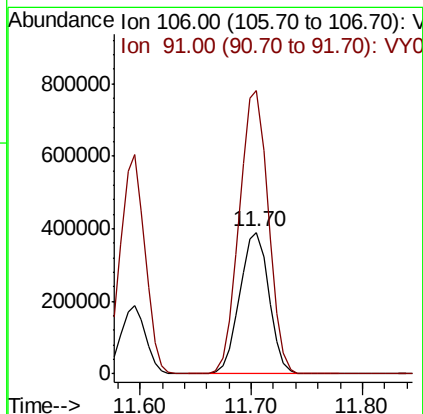
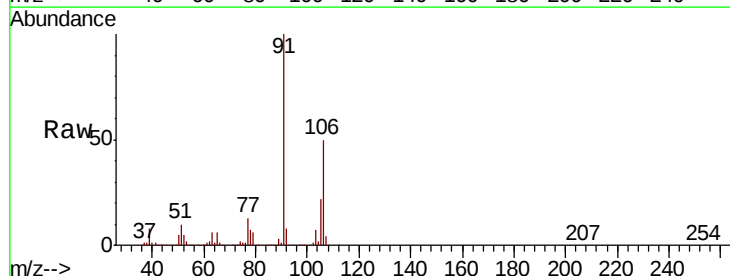
Acq: 08 Oct 2019 13:44

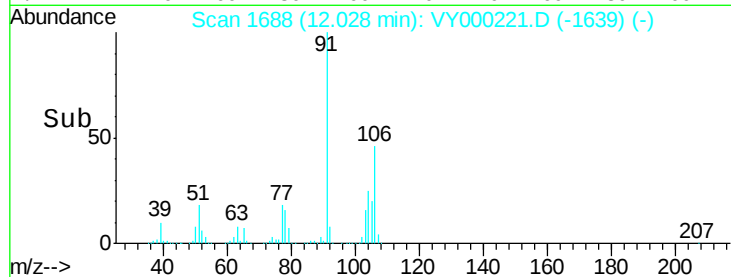
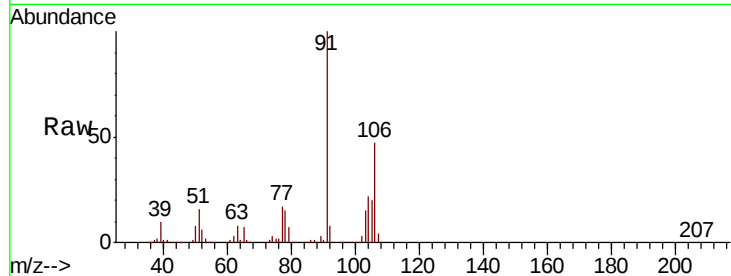
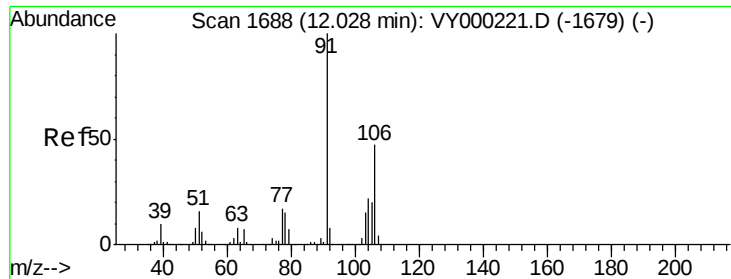
Tgt Ion: 106 Resp: 710689

Ion Ratio Lower Upper

106 100

91 199.9 153.0 229.6





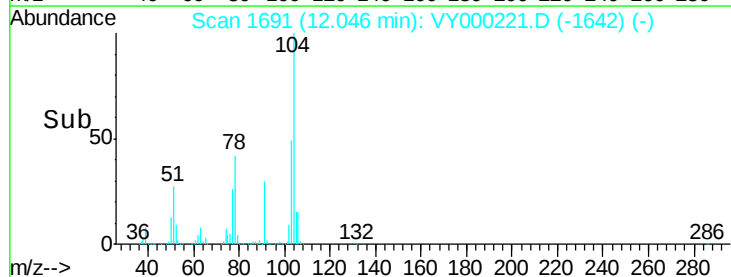
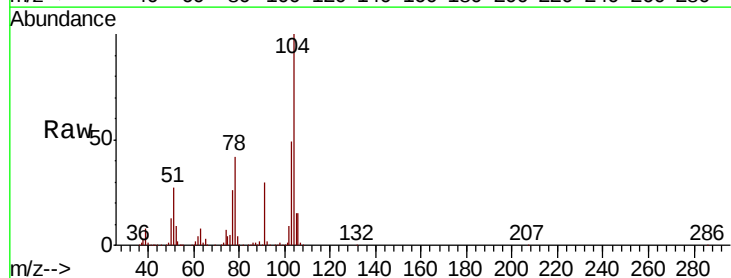
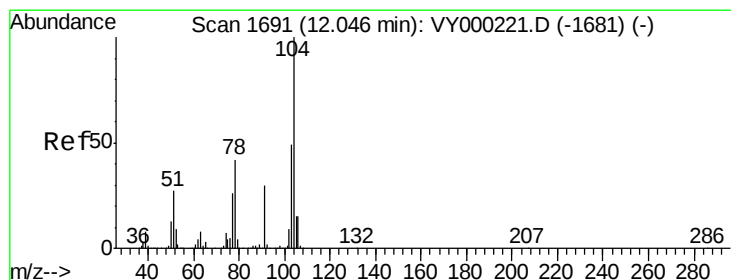
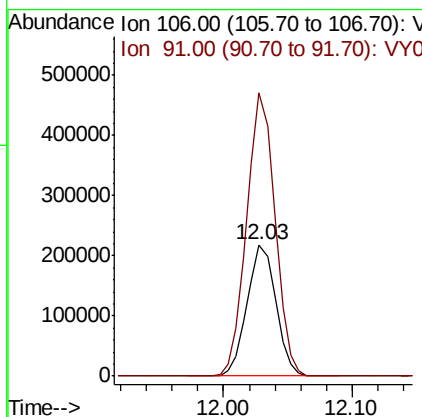
#69
o-Xylene
Concen: 60.523 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tot Ion	Ratio	Resp	Lower	Upper
106	100	337570		
91	212.1	100.8	302.6	

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

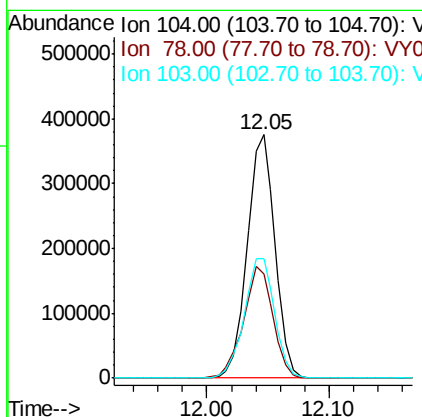
Manual Integrations
APPROVED

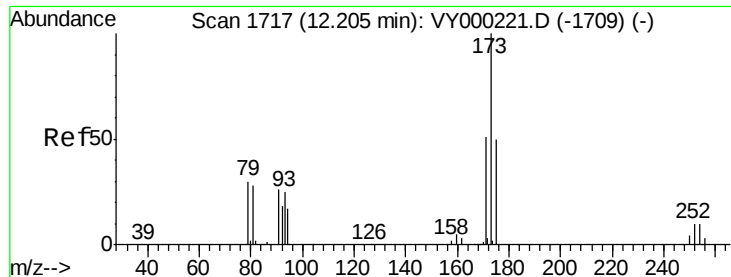
MMDadoda
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#70
Styrene
Concen: 63.989 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	590879		
78	48.7	35.6	53.4	
103	53.9	42.2	63.4	





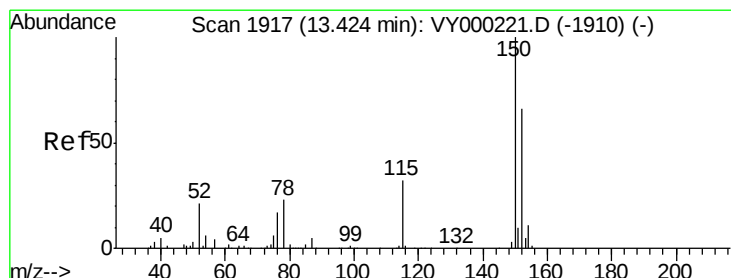
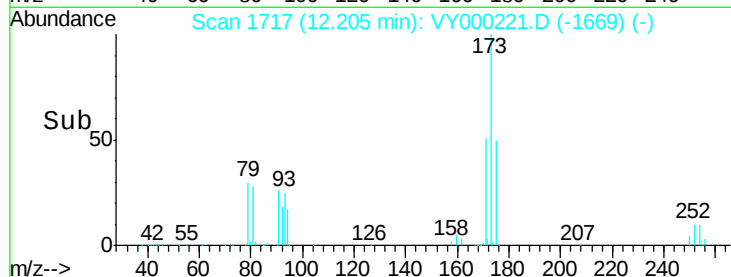
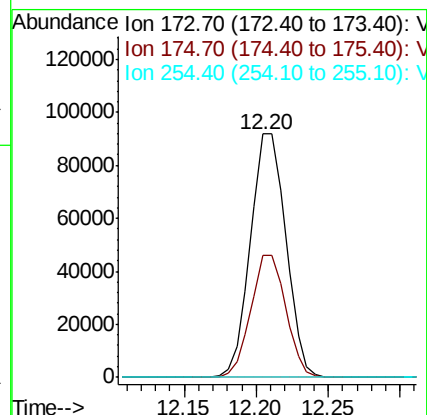
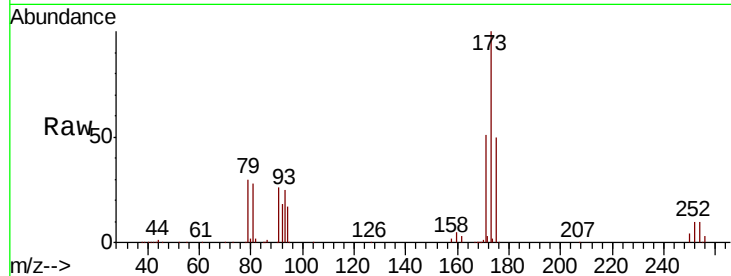
#71
Bromoform
Concen: 56.732 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.01 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.9	71.8
254	0.1	0.0	0.0

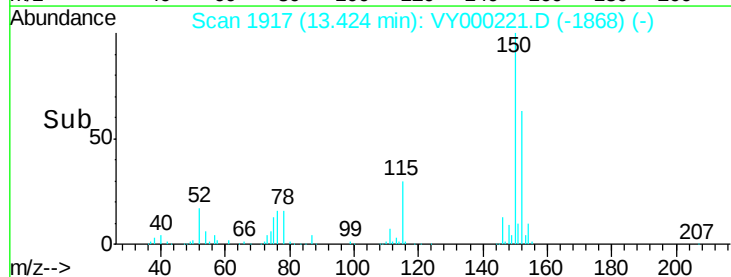
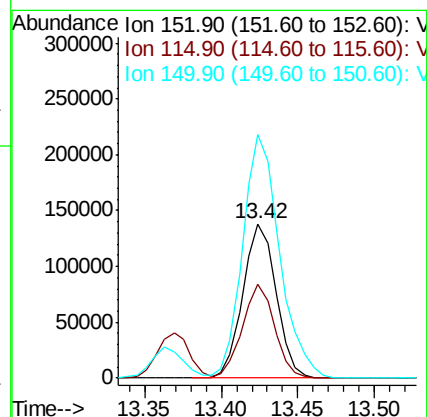
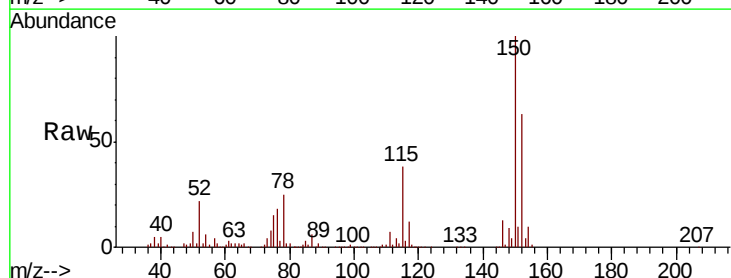
Manual Integrations
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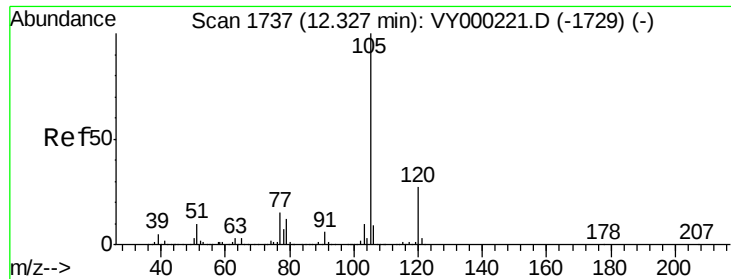
MMDadoda
10/10/2019 12:52:53 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	26.0	78.0
150	174.8	0.0	332.8





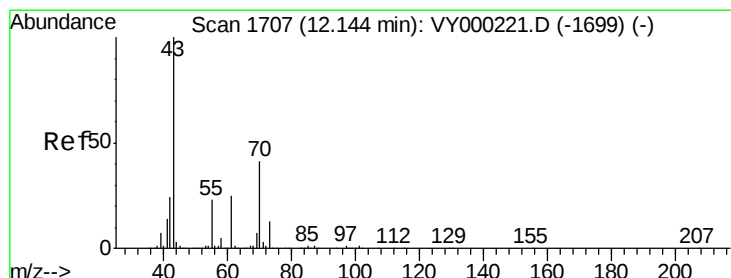
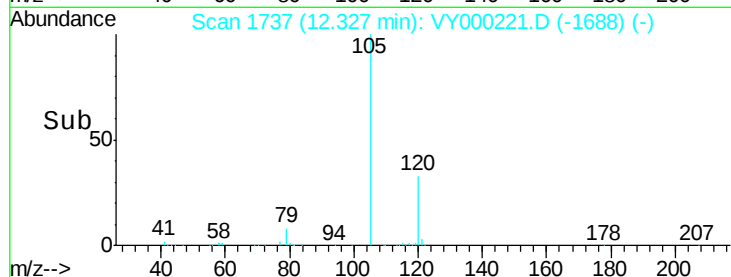
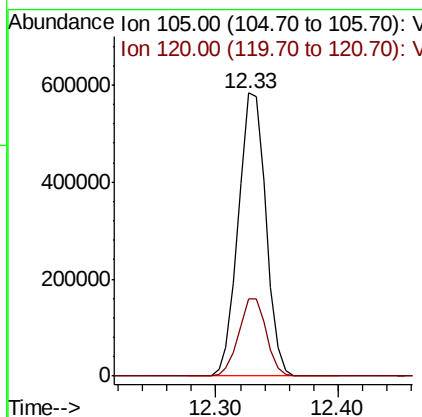
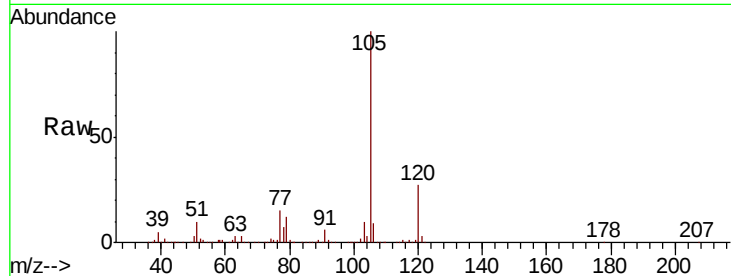
#73
Isopropylbenzene
Concen: 65.211 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	14.4	43.0

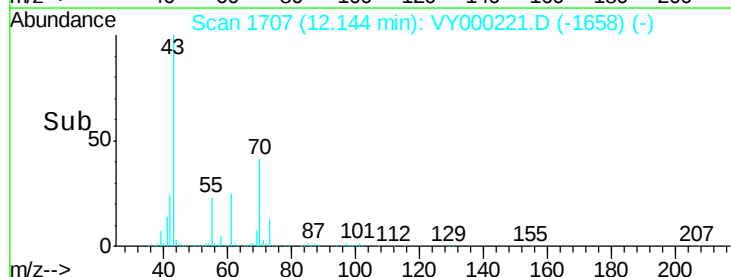
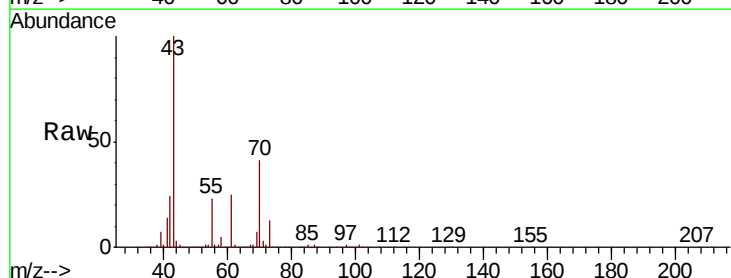
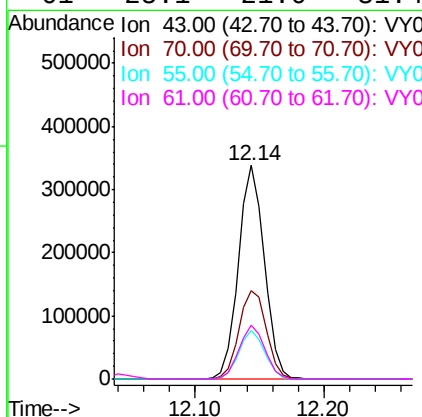
Manual Integrations
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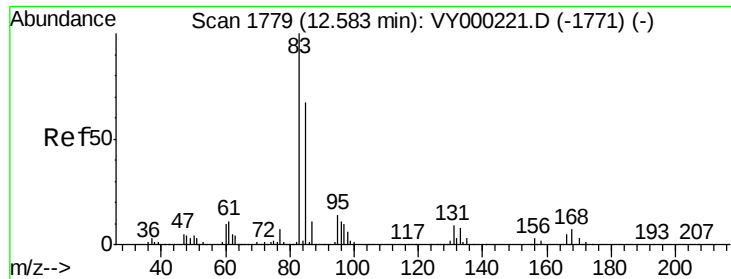
MMDadoda
10/10/2019 12:52:53 AM



#74
N-ethyl acetate
Concen: 87.452 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.6	37.4	56.2
55	22.7	18.6	27.8
61	25.1	21.0	31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 70.009 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

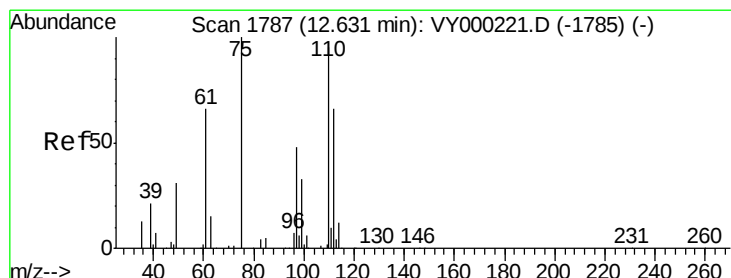
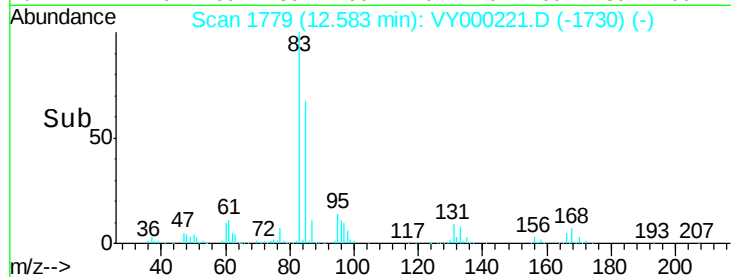
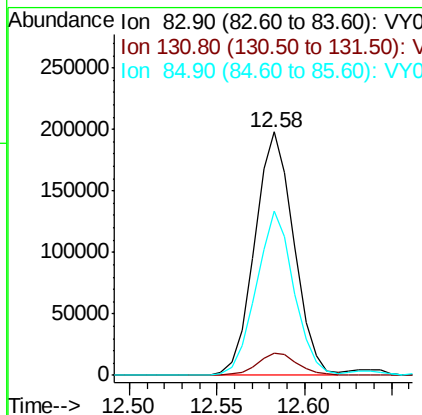
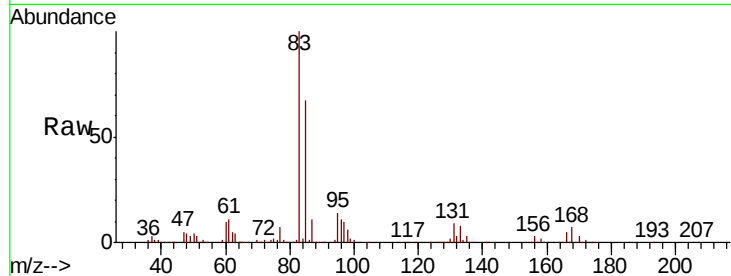
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	309754
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.9	17.6
85	65.0	32.6	98.0

Manual Integrations
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10/10/2019 12:52:53 AM



#76

1,2,3-Trichloropropane

Concen: 45.963 ug/l m

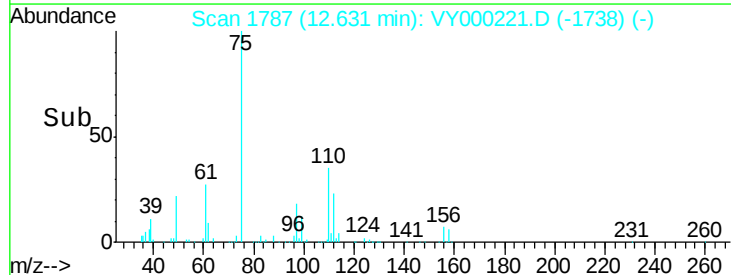
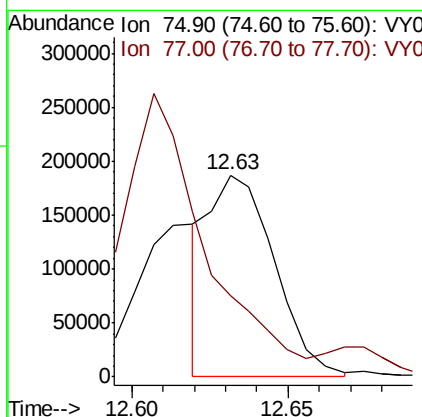
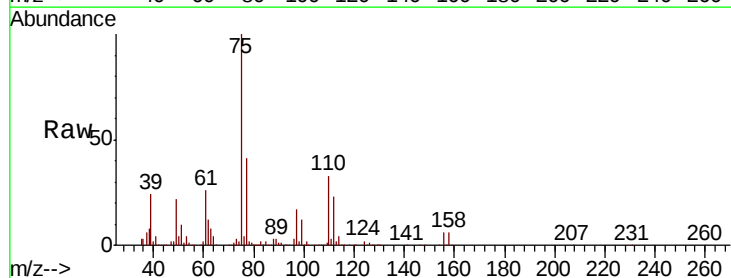
RT: 12.63 min Scan# 1787

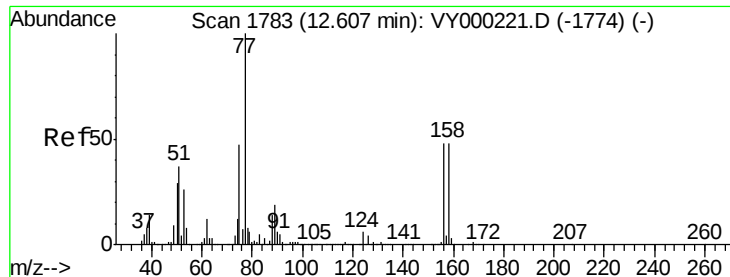
Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Tgt Ion:	75	Resp:	276355
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





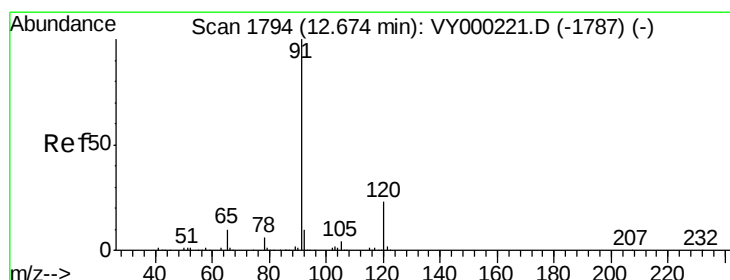
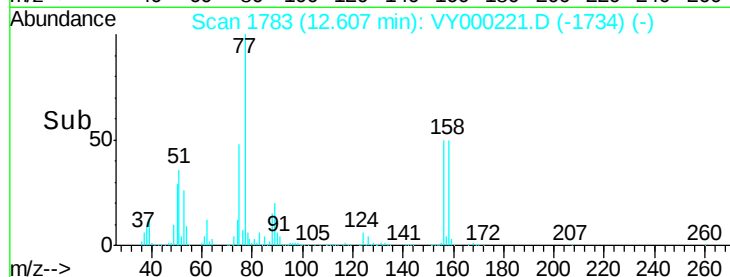
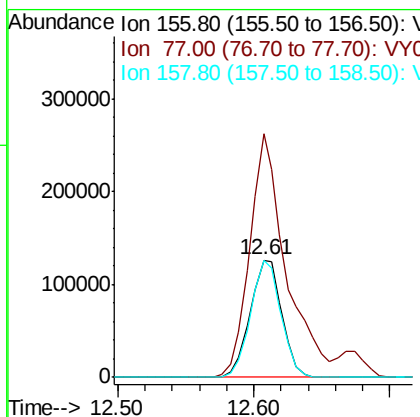
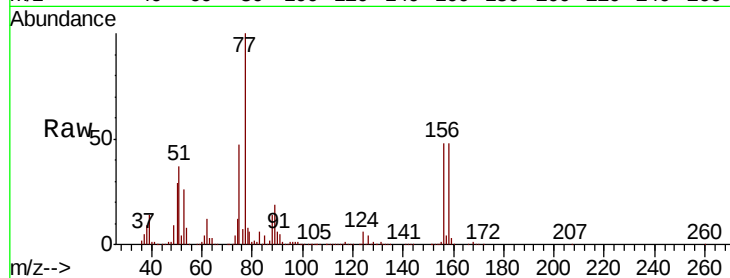
#77
Bromobenzene
Concen: 56.501 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	236.2	93.3	279.8
158	95.5	49.3	147.8

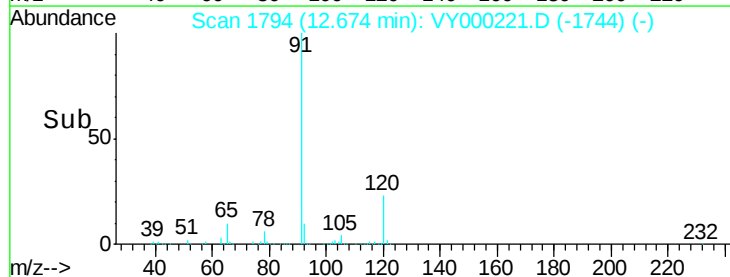
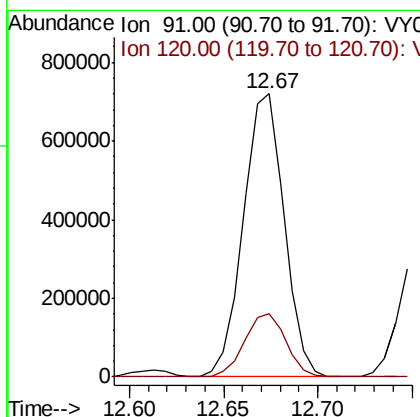
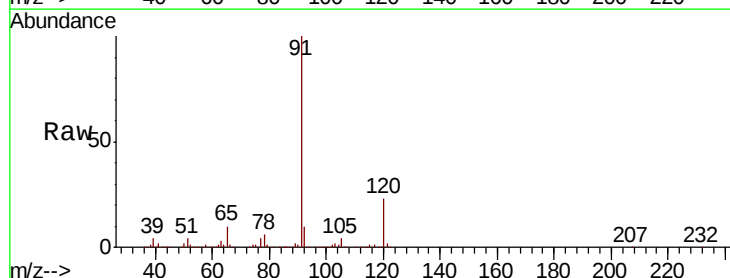
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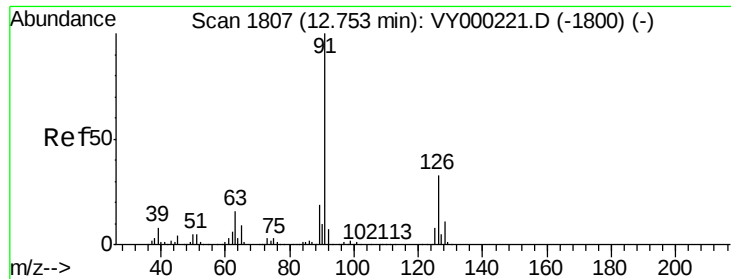
MMDadoda
10/10/2019 12:52:53 AM



#78
n-propylbenzene
Concen: 68.415 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. 0.01 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	12.5	37.5





#79

2-Chlorotoluene

Concen: 67.720 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 606530

Ion Ratio Lower Upper

91 100

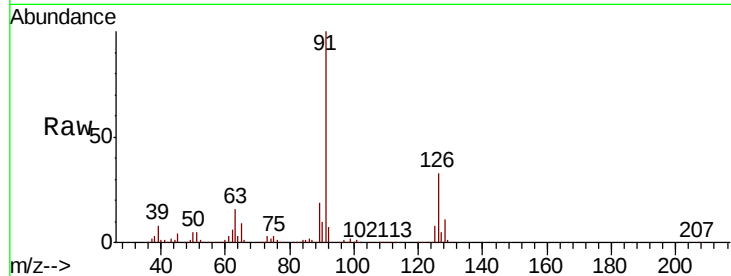
126 34.4 18.9 56.7

Manual Integrations

APPROVED

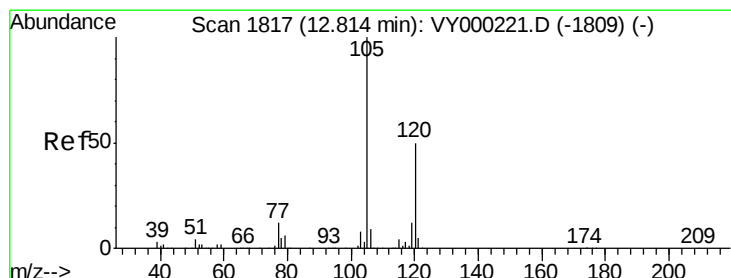
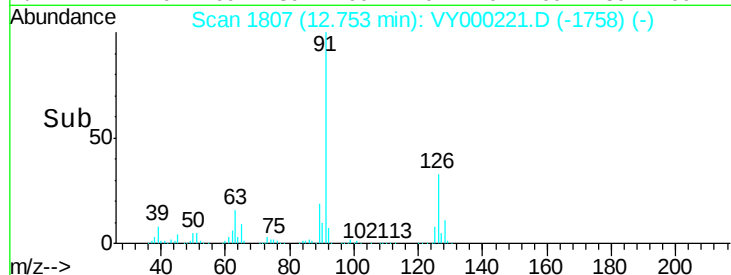
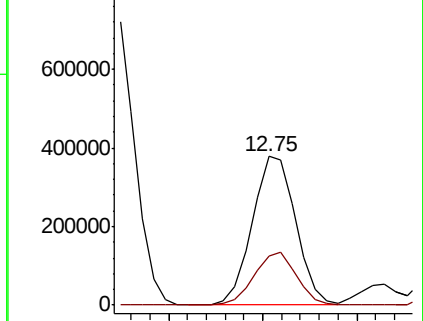
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10/10/2019 12:52:53 AM



Abundance Ion 91.00 (90.70 to 91.70): VY000221.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY000221.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 65.371 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000221.D

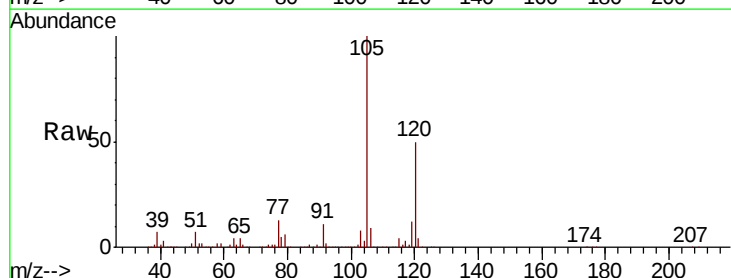
Acq: 08 Oct 2019 13:44

Tgt Ion: 105 Resp: 764790

Ion Ratio Lower Upper

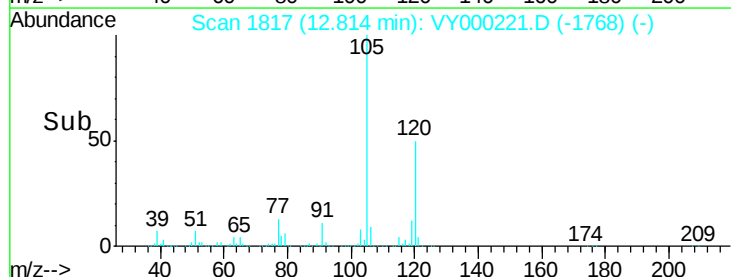
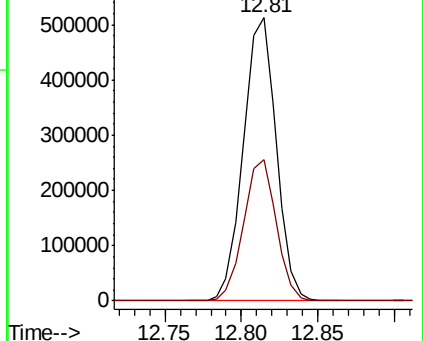
105 100

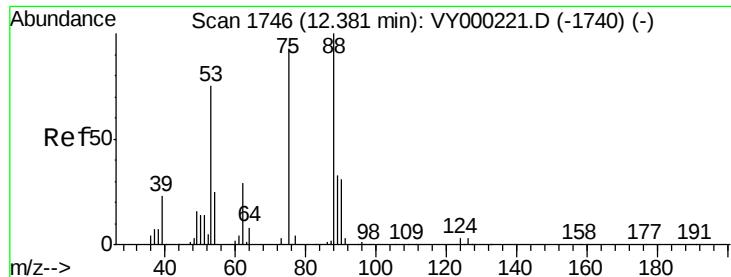
120 49.6 26.3 78.8



Abundance Ion 105.00 (104.70 to 105.70): VY000221.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY000221.D (-1809) (-)





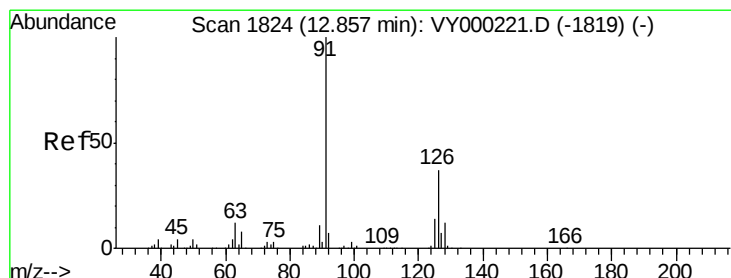
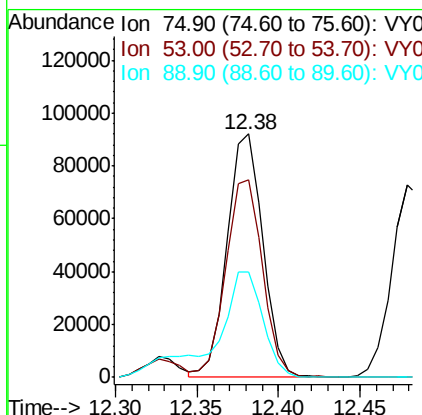
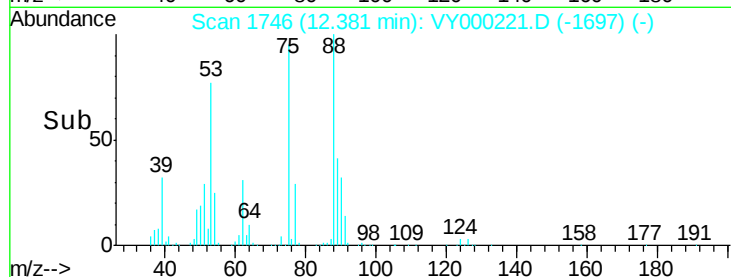
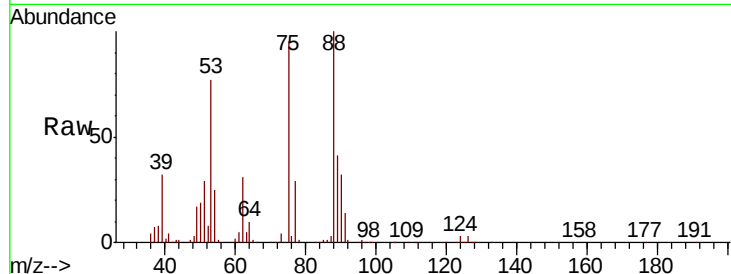
#81
trans-1,4-Dichloro-2-butene
Concen: 77.459 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.1	68.1	102.1
89	58.6	40.6	61.0

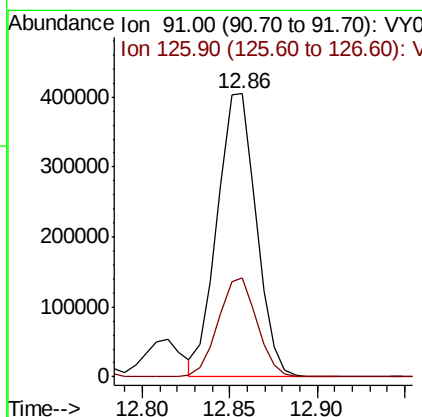
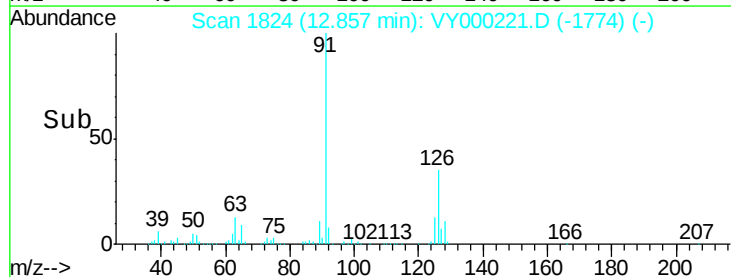
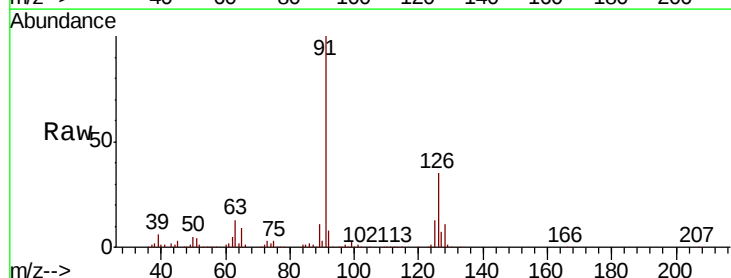
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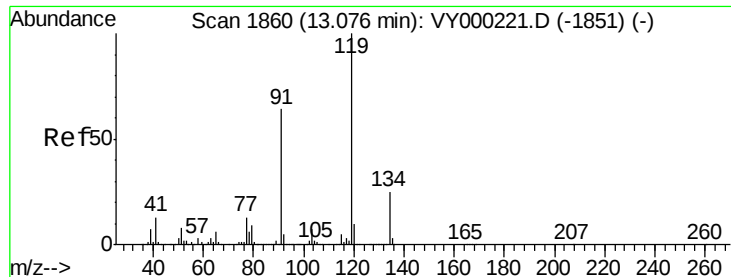
MMDadoda
10/10/2019 12:52:53 AM



#82
4-Chlorotoluene
Concen: 68.640 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	18.9	56.9





#83

tert-Butylbenzene

Concen: 61.354 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:119 Resp: 648833

Ion Ratio Lower Upper

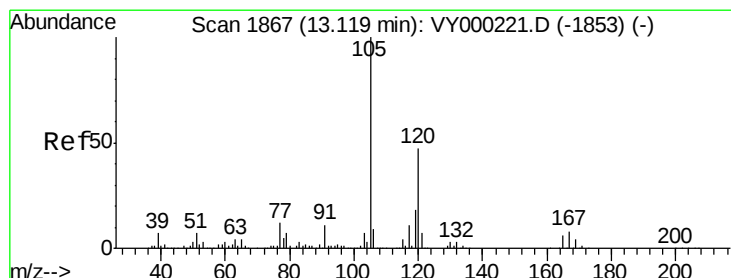
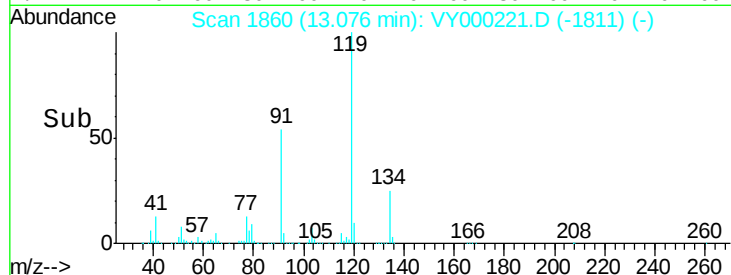
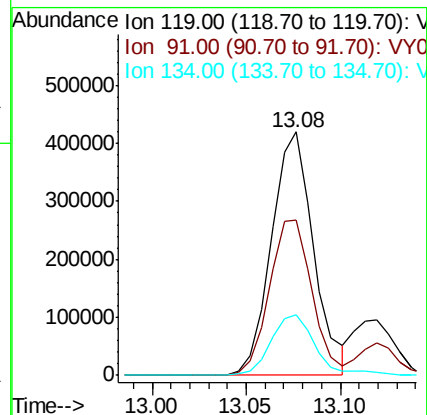
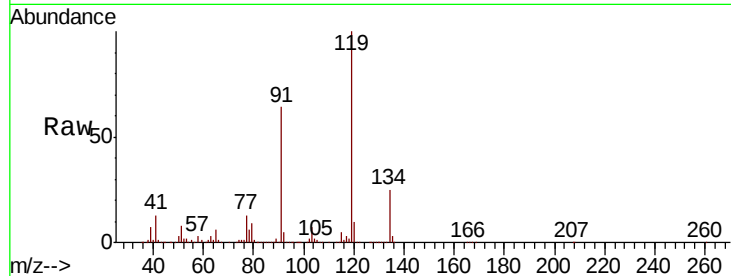
119 100

91 64.8 30.4 91.3

134 26.4 13.7 41.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 66.099 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000221.D

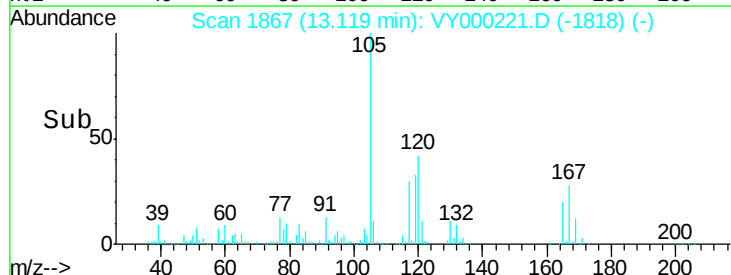
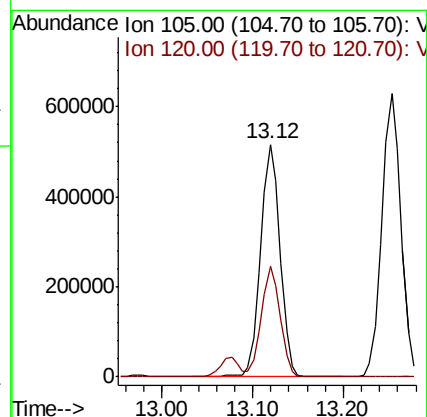
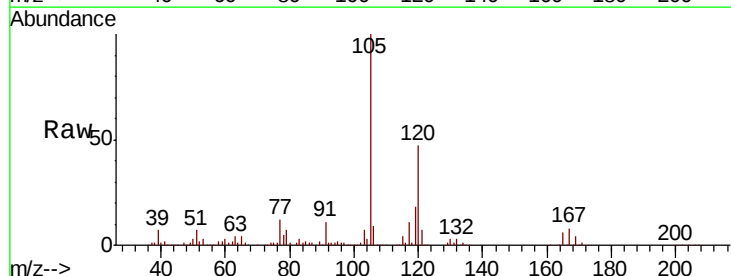
Acq: 08 Oct 2019 13:44

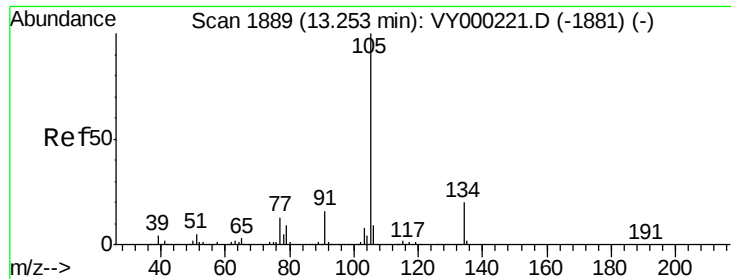
Tgt Ion:105 Resp: 766814

Ion Ratio Lower Upper

105 100

120 45.5 23.6 71.0





#85

sec-Butylbenzene

Concen: 64.013 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 917083

Ion Ratio Lower Upper

105 100

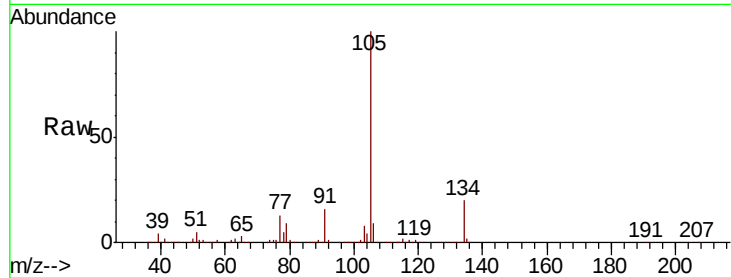
134 20.4 11.0 33.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

600000

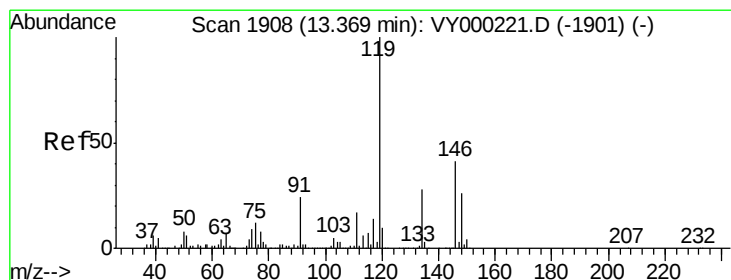
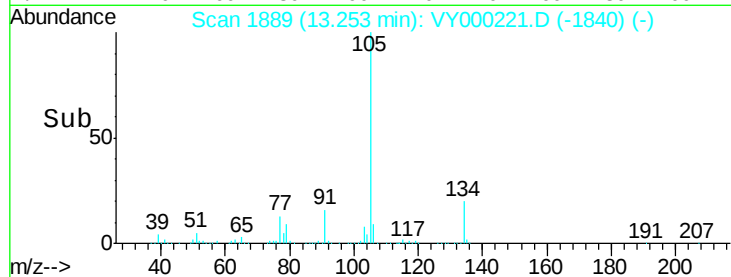
400000

200000

0

13.20 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 63.281 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

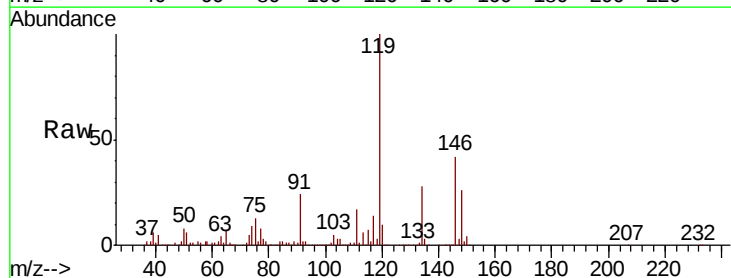
Tgt Ion:119 Resp: 823497

Ion Ratio Lower Upper

119 100

134 26.6 13.7 41.1

91 23.4 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.37

600000

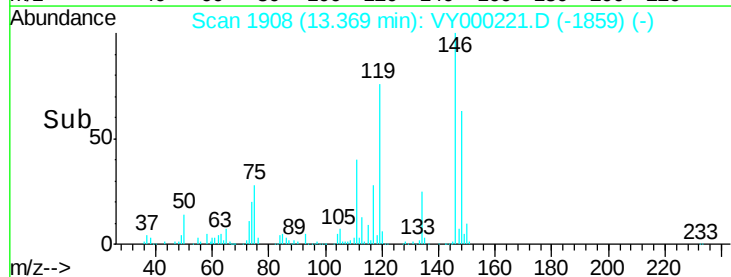
400000

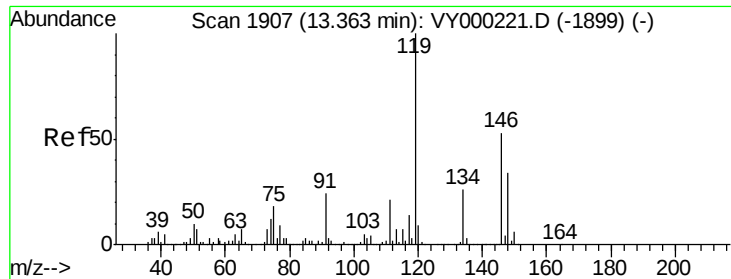
200000

0

13.30 13.35 13.40

Time-->





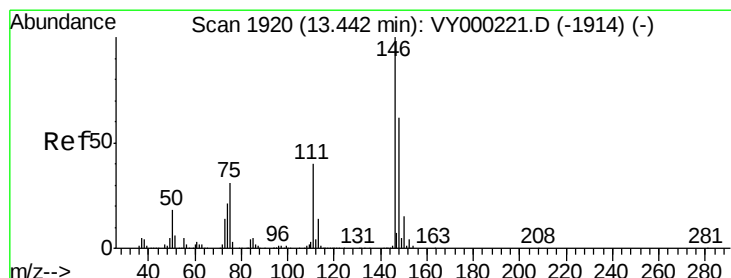
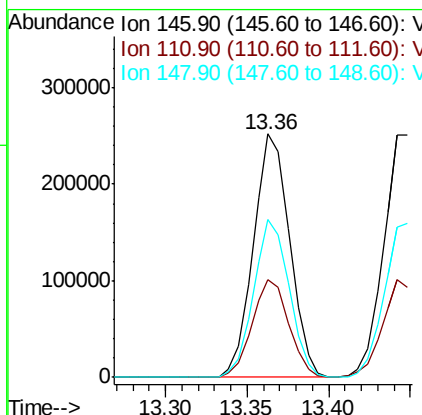
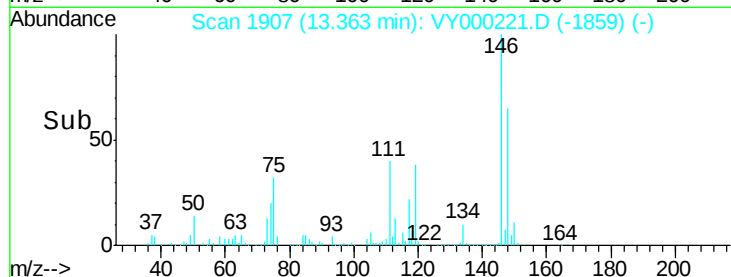
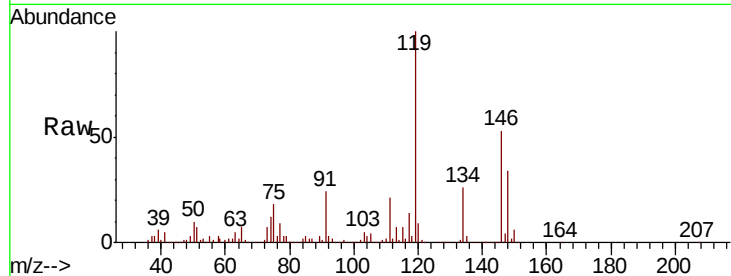
#87
 1,3-Dichlorobenzene
 Concen: 58.029 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	389930		
111	40.5	18.0	54.0	
148	63.4	31.9	95.5	

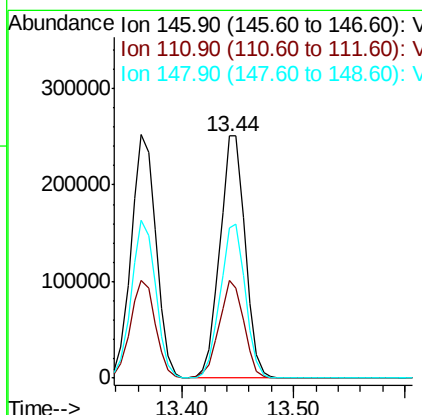
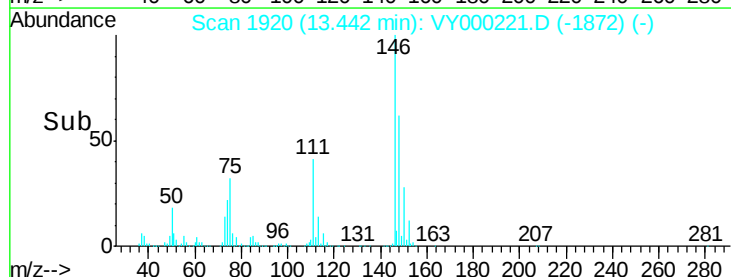
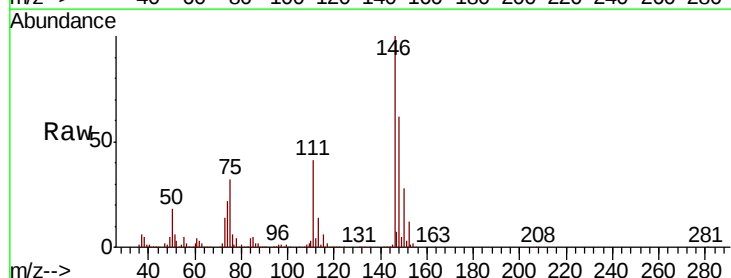
Manual Integrations
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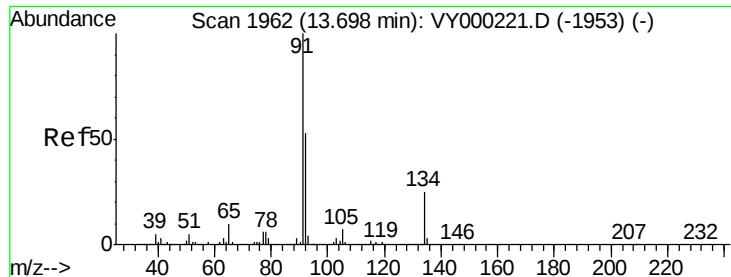
MMDadoda
 10/10/2019 12:52:53 AM



#88
 1,4-Dichlorobenzene
 Concen: 58.028 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	393006		
111	39.5	18.1	54.1	
148	63.2	31.9	95.7	





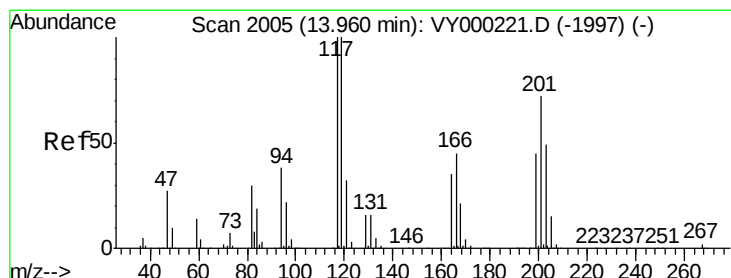
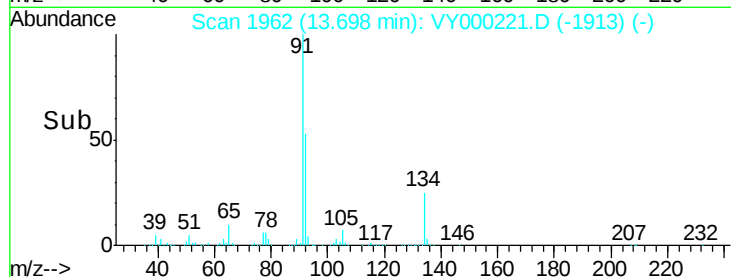
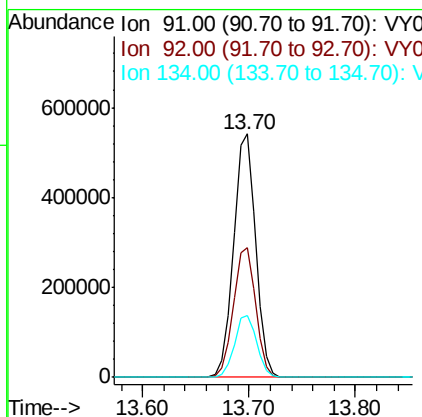
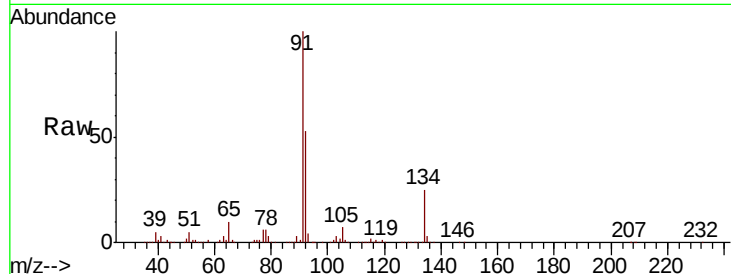
#89
n-Butylbenzene
Concen: 68.858 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.0	81.0
134	25.6	14.6	44.0

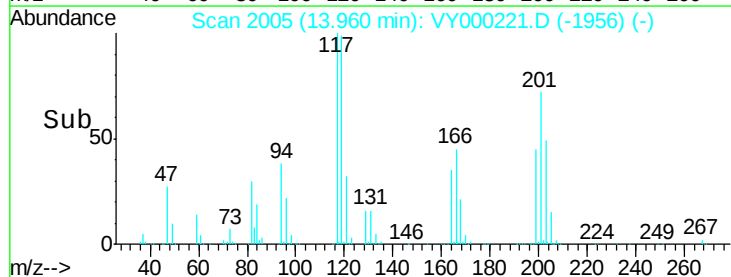
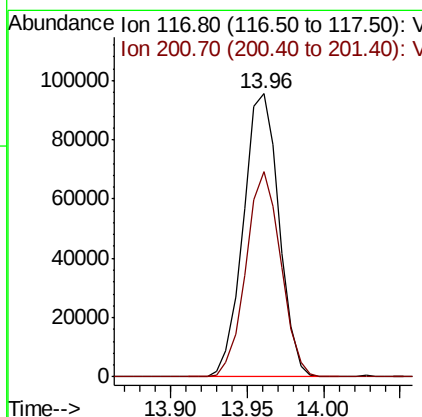
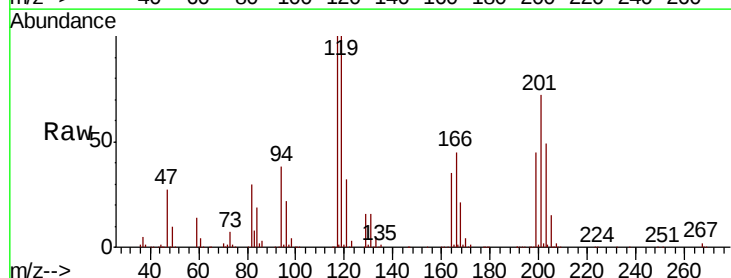
Manual Integrations
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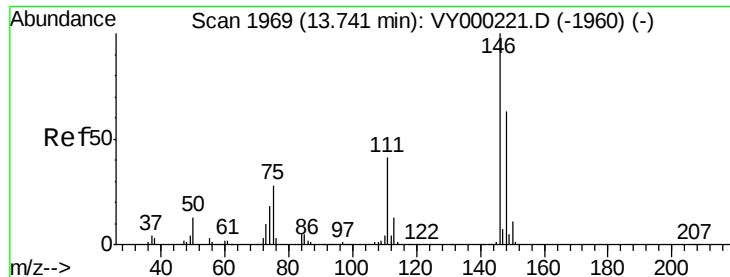
MMDadoda
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#90
Hexachloroethane
Concen: 63.230 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.0	41.2	123.6





#91

1,2-Dichlorobenzene

Concen: 58.053 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Instrument :

MSVOA_Y

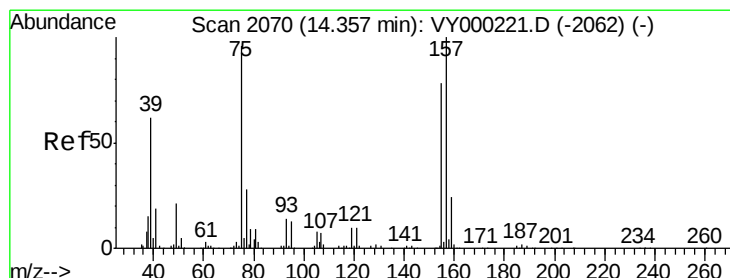
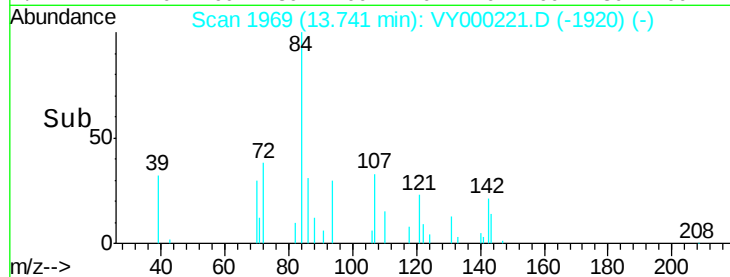
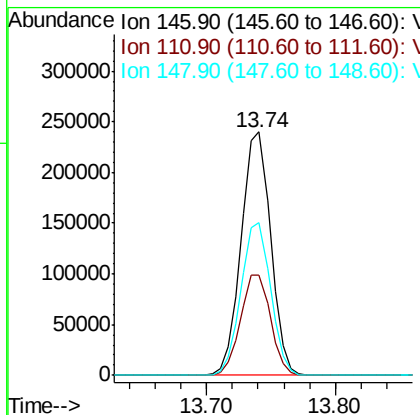
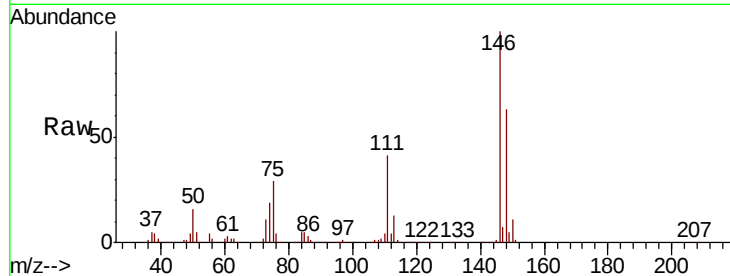
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	379111
Ion Ratio	Lower	Upper	
146	100		
111	41.9	19.5	58.5
148	63.3	31.4	94.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 72.490 ug/l

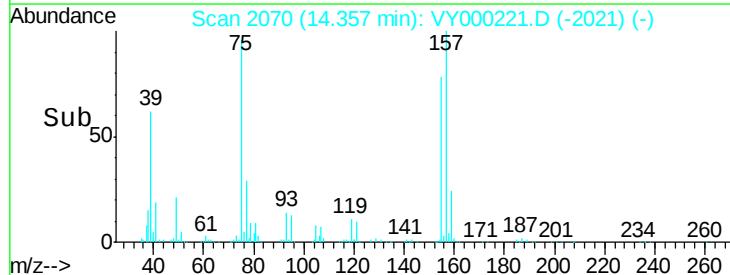
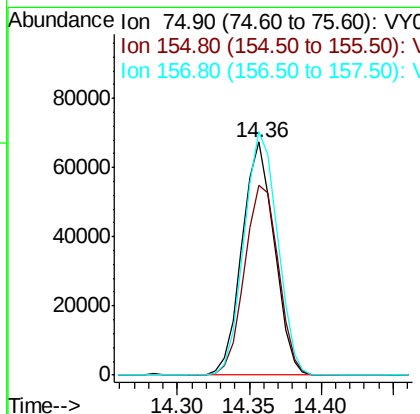
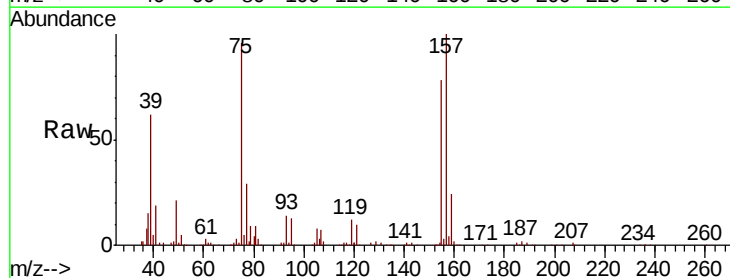
RT: 14.36 min Scan# 2070

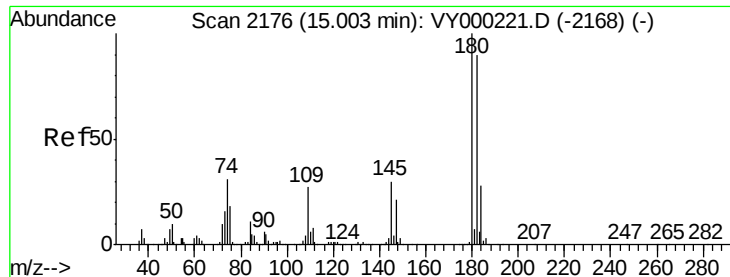
Delta R.T. -0.00 min

Lab File: VY000221.D

Acq: 08 Oct 2019 13:44

Tgt Ion:	75	Resp:	104569
Ion Ratio	Lower	Upper	
75	100		
155	84.9	52.0	156.0
157	107.7	65.8	197.3





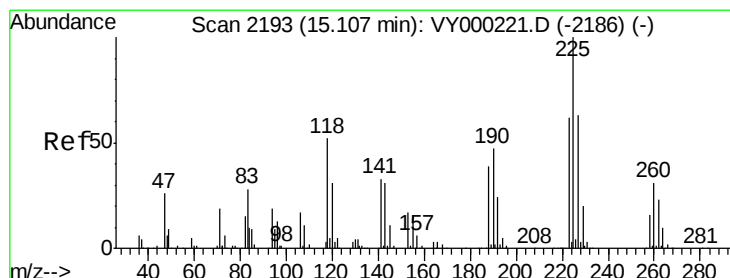
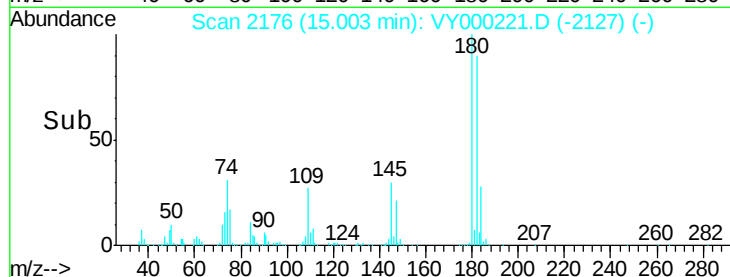
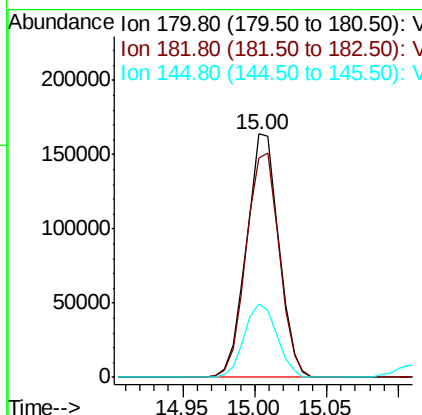
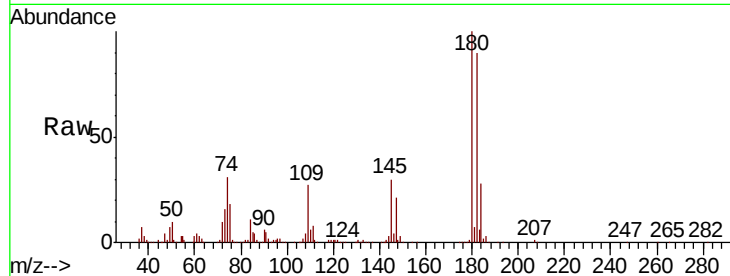
#93
 1,2,4-Trichlorobenzene
 Concen: 54.202 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	254491		
182	94.4	47.4	142.2	
145	30.5	14.1	42.3	

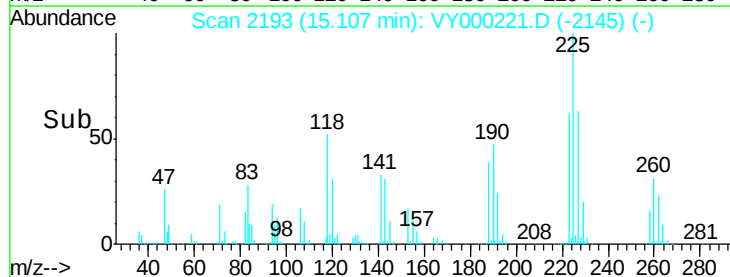
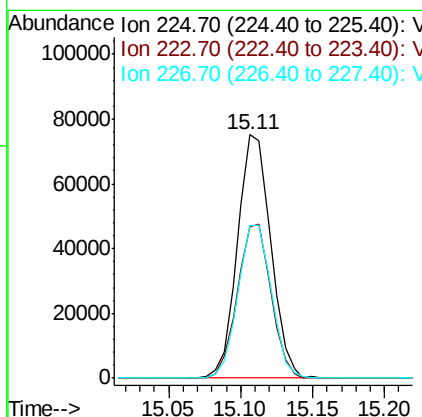
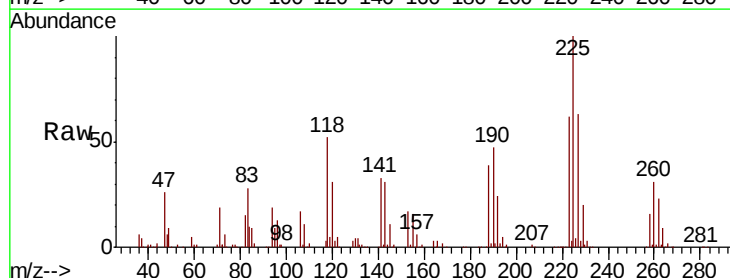
Manual Integrations
 APPROVED

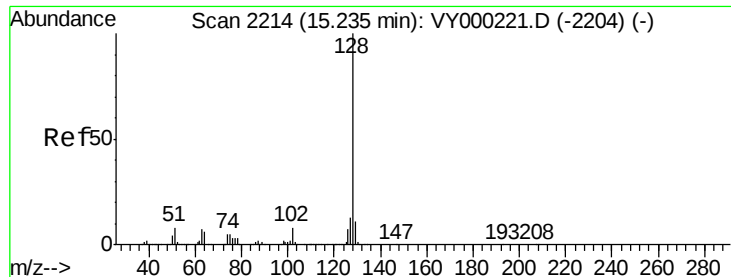
MMDadoda
 10/10/2019 12:52:53 AM



#94
 Hexachlorobutadiene
 Concen: 48.158 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY000221.D
 Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120836		
223	63.7	31.9	95.5	
227	63.0	32.5	97.5	





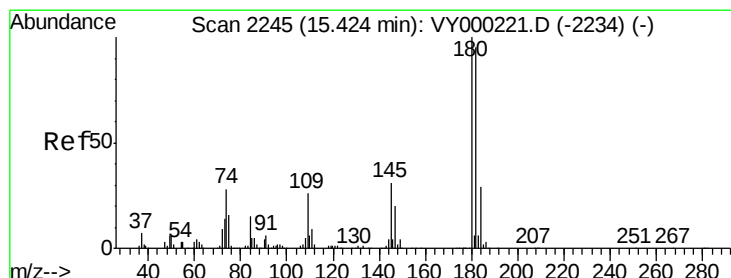
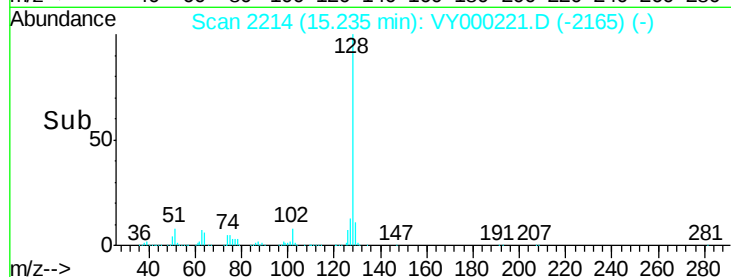
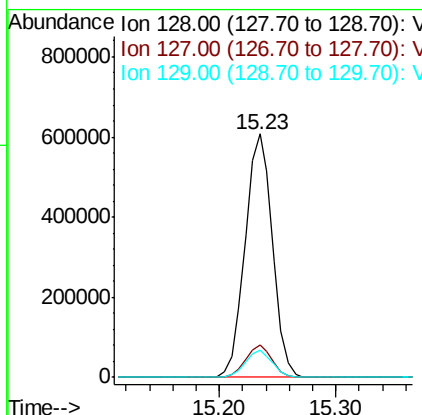
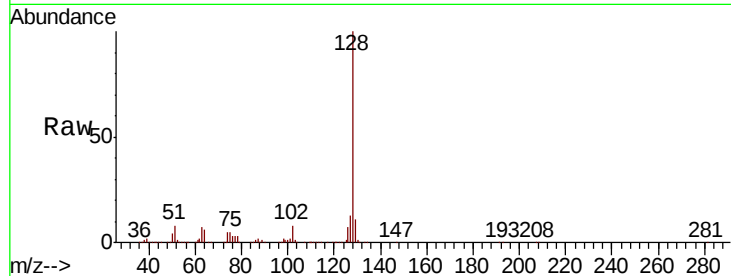
#95
Naphthalene
Concen: 62.473 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.0	15.0
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/10/2019 12:52:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.925 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000221.D
Acq: 08 Oct 2019 13:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.3	144.8
145	32.6	14.9	44.9

