

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121819\
 Data File : VY000991.D
 Acq On : 18 Dec 2019 11:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:10:35 AM

Quant Time: Dec 19 05:00:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	294199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	506079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	444212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	204320	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	140210	44.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.70%	
35) Dibromofluoromethane	7.72	113	141533	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
50) Toluene-d8	10.18	98	581254	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.48	95	198607	44.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	129694	40.952	ug/l	99
3) Chloromethane	2.12	50	166013	42.526	ug/l	99
4) Vinyl Chloride	2.25	62	174948	45.472	ug/l	100
5) Bromomethane	2.65	94	108097	46.271	ug/l	99
6) Chloroethane	2.79	64	110670	46.916	ug/l	99
7) Trichlorofluoromethane	3.13	101	252135	47.819	ug/l	97
8) Diethyl Ether	3.53	74	103110	51.957	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.90	101	166714	51.200	ug/l	99
10) Methyl Iodide	4.10	142	216955	52.921	ug/l	96
11) Tert butyl alcohol	4.97	59	74841	237.960	ug/l	99
12) 1,1-Dichloroethene	3.87	96	167209	51.836	ug/l	89
13) Acrolein	3.73	56	73537	237.358	ug/l	98
14) Allyl chloride	4.48	41	277042	50.089	ug/l	96
15) Acrylonitrile	5.17	53	267046	260.596	ug/l	98
16) Acetone	3.95	43	163553	228.067	ug/l	96
17) Carbon Disulfide	4.19	76	485599	46.545	ug/l	99
18) Methyl Acetate	4.49	43	151308	50.461	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	449496	52.177	ug/l	98
20) Methylene Chloride	4.72	84	195995	51.849	ug/l	91
21) trans-1,2-Dichloroethene	5.22	96	185986	50.727	ug/l	98
22) Diisopropyl ether	6.13	45	570172	50.156	ug/l	99
23) Vinyl Acetate	6.07	43	1729953	250.319	ug/l	96
24) 1,1-Dichloroethane	6.02	63	325243	51.910	ug/l	97
25) 2-Butanone	6.99	43	305604	230.693	ug/l	94
26) 2,2-Dichloropropane	6.99	77	272879	51.746	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	214941	54.234	ug/l	97
28) Bromochloromethane	7.34	49	120246	52.248	ug/l	99
29) Tetrahydrofuran	7.35	42	216574	246.715	ug/l	98
30) Chloroform	7.52	83	312928	49.786	ug/l	97
31) Cyclohexane	7.79	56	317771	47.875	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	268687	51.768	ug/l	98
36) 1,1-Dichloropropene	7.93	75	261963	52.060	ug/l	99
37) Ethyl Acetate	7.08	43	140145	48.234	ug/l	99
38) Carbon Tetrachloride	7.90	117	230904	51.526	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	340924	51.138	ug/l	99
40) Benzene	8.16	78	777156	53.022	ug/l	97
41) Methacrylonitrile	7.33	41	86900m	56.747	ug/l	
42) 1,2-Dichloroethane	8.24	62	192092	49.833	ug/l	99
43) Isopropyl Acetate	8.28	43	266420	48.658	ug/l	97
44) Trichloroethene	8.94	130	202873	53.857	ug/l	96
45) 1,2-Dichloropropane	9.22	63	197121	53.542	ug/l	94
46) Dibromomethane	9.31	93	102552	53.312	ug/l	99
47) Bromodichloromethane	9.50	83	242433	53.649	ug/l	98
48) Methyl methacrylate	9.30	41	115942	48.154	ug/l	91
49) 1,4-Dioxane	9.30	88	27472	1007.915	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	710049	250.990	ug/l	98
52) Toluene	10.24	92	483241	53.249	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	262836	54.138	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	312286	54.419	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	152220	53.560	ug/l	96
56) Ethyl methacrylate	10.51	69	217645	53.533	ug/l	97
57) 1,3-Dichloropropane	10.79	76	268550	54.216	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	379831	231.702	ug/l	99
59) 2-Hexanone	10.83	43	493681	239.485	ug/l	98
60) Dibromochloromethane	10.99	129	163900	53.571	ug/l	99
61) 1,2-Dibromoethane	11.08	107	145149	54.192	ug/l	99
64) Tetrachloroethene	10.72	164	207628	53.798	ug/l	95
65) Chlorobenzene	11.52	112	499284	54.072	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	173861	55.872	ug/l	98
67) Ethyl Benzene	11.59	91	928221	53.977	ug/l	98
68) m/p-Xylenes	11.70	106	695764	107.793	ug/l	98
69) o-Xylene	12.03	106	336121	55.850	ug/l	94
70) Styrene	12.04	104	558712	54.217	ug/l	99
71) Bromoform	12.20	173	97879	55.771	ug/l #	97
73) Isopropylbenzene	12.33	105	884097	54.344	ug/l	99
74) N-amyl acetate	12.14	43	222682	49.178	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	170462	53.178	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	117281m	50.663	ug/l	
77) Bromobenzene	12.61	156	194263	55.088	ug/l	96
78) n-propylbenzene	12.67	91	1080591	54.399	ug/l	99
79) 2-Chlorotoluene	12.75	91	581663	53.004	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	722793	53.660	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	65260	55.375	ug/l	97
82) 4-Chlorotoluene	12.85	91	607082	53.696	ug/l	100
83) tert-Butylbenzene	13.07	119	616433	54.432	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	713191	52.922	ug/l	98
85) sec-Butylbenzene	13.25	105	892436	54.185	ug/l	100
86) p-Isopropyltoluene	13.37	119	771396	53.848	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	371254	53.666	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	367229	53.613	ug/l	99
89) n-Butylbenzene	13.69	91	786030	54.270	ug/l	99
90) Hexachloroethane	13.96	117	142866	54.138	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	334193	53.707	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26621	49.606	ug/l	96

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QLast Update : Wed Nov 27 12:40:47 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	220655	52.405	ug/l	99
94) Hexachlorobutadiene	15.11	225	112904	54.083	ug/l	99
95) Naphthalene	15.23	128	515126	52.688	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	199208	52.967	ug/l	98

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

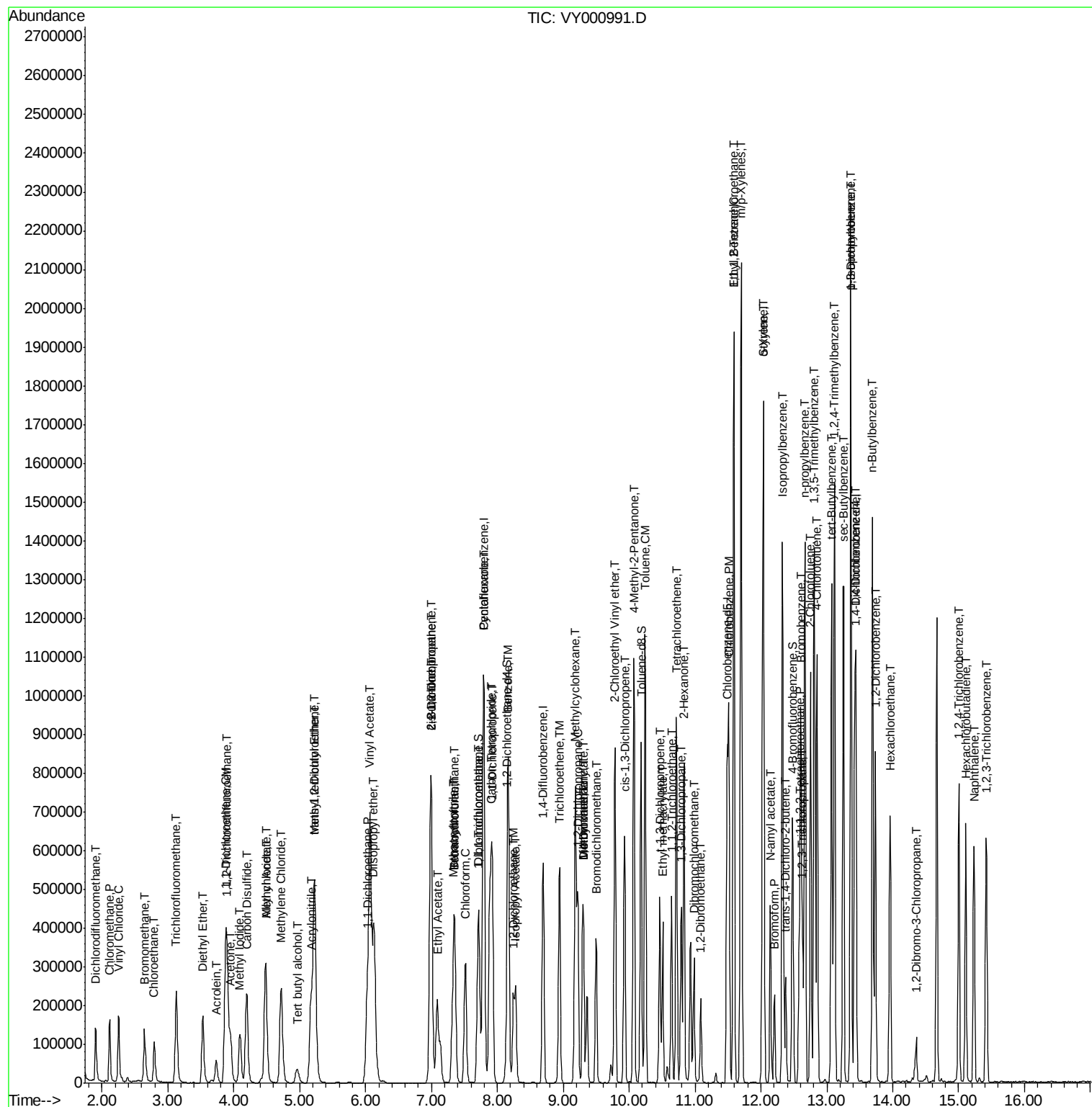
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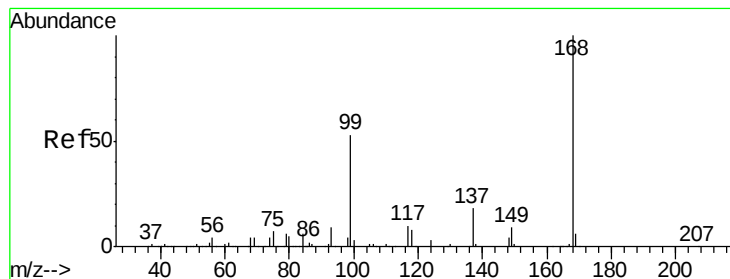
Instrument :
MSVOA_Y
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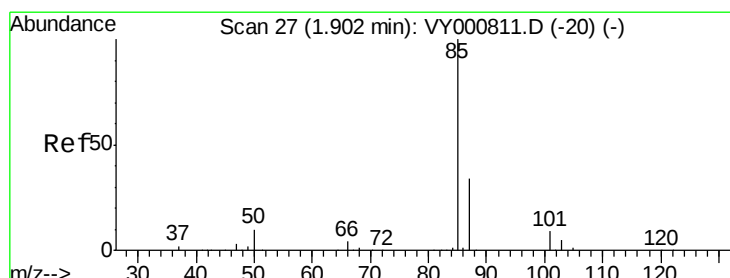
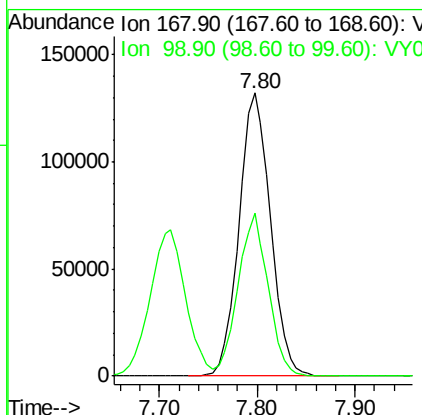
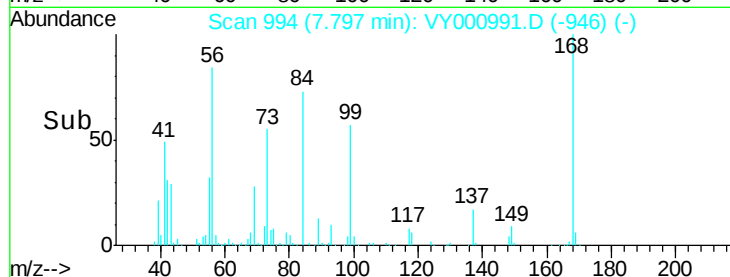
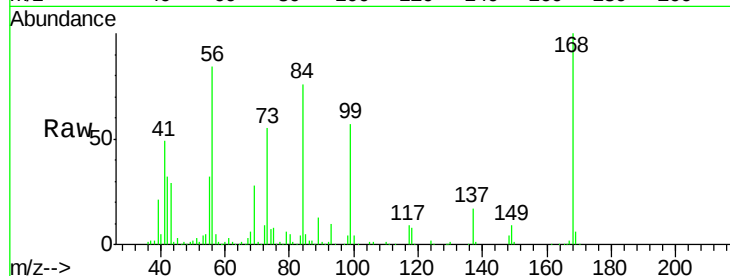
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	57.4	45.0	67.6

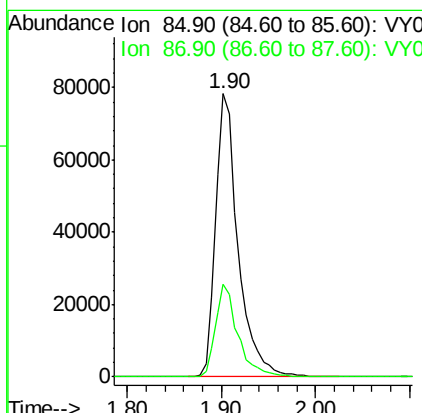
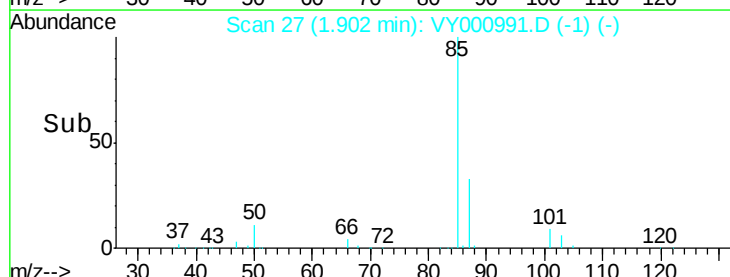
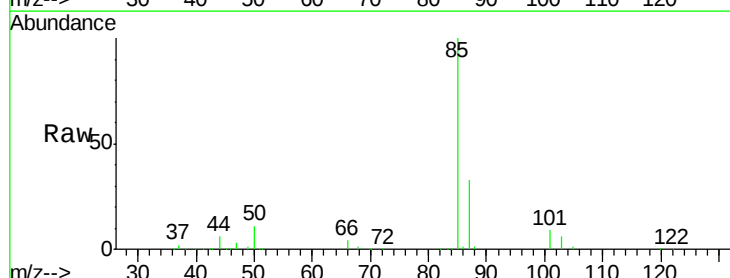
Manual Integrations
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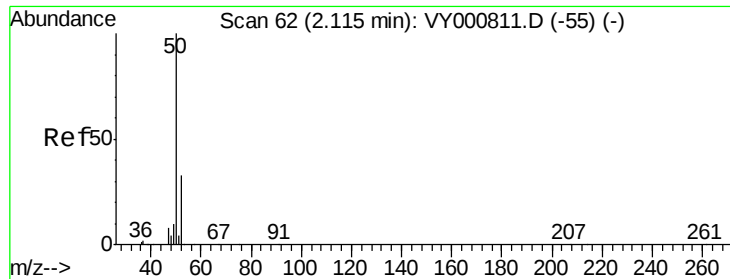
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#2
Dichlorodifluoromethane
Concen: 40.952 ug/l
RT: 1.90 min Scan# 27
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.8	50.3





#3

Chloromethane

Concen: 42.526 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 166013

Ion Ratio Lower Upper

50 100

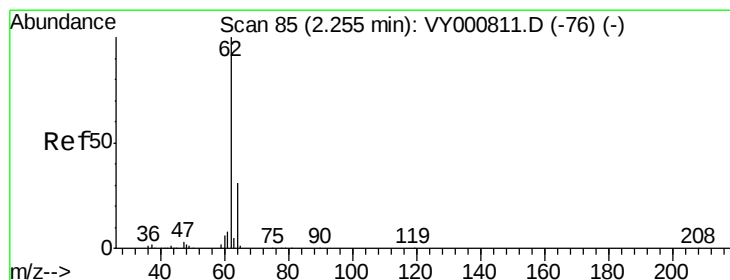
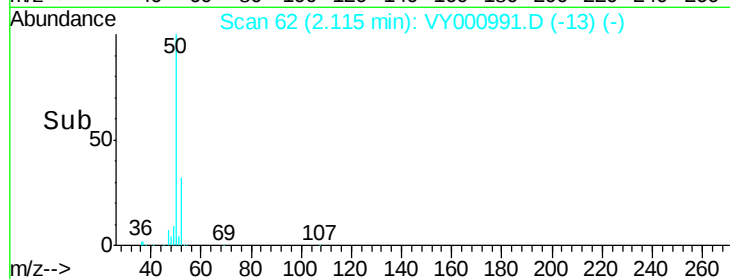
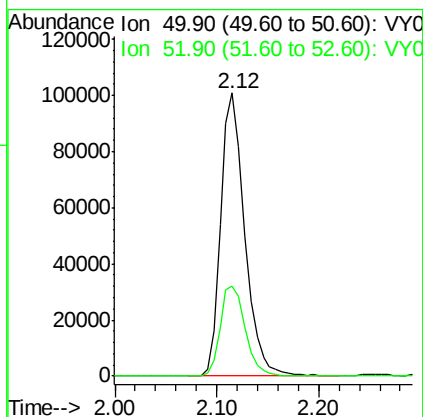
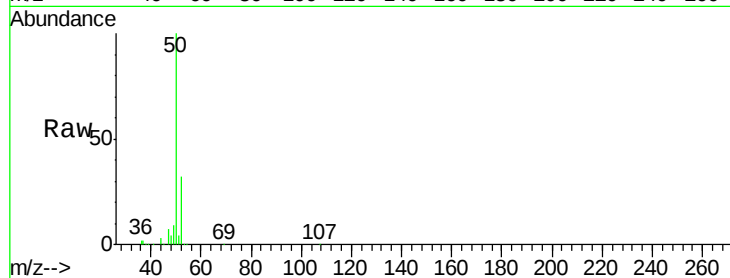
52 31.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.472 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000991.D

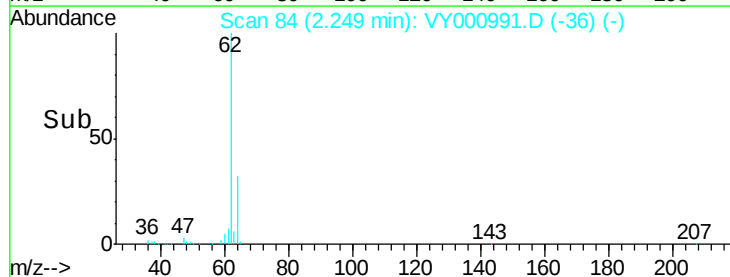
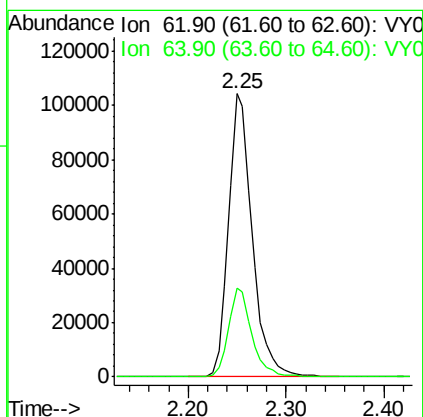
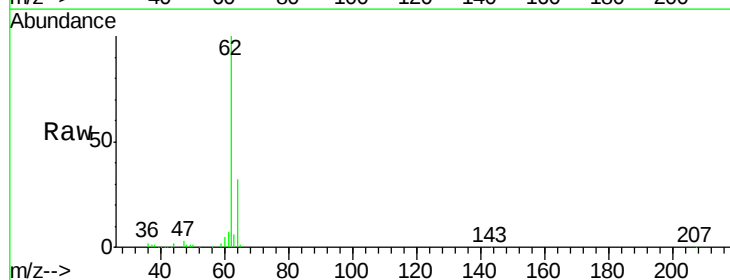
Acq: 18 Dec 2019 11:33

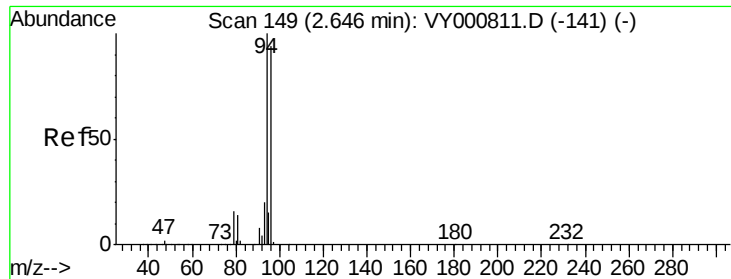
Tgt Ion: 62 Resp: 174948

Ion Ratio Lower Upper

62 100

64 31.5 25.1 37.7





#5

Bromomethane

Concen: 46.271 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Tot Ion: 94 Resp: 108097

Ion Ratio Lower Upper

94 100

96 93.0 75.2 112.8

Instrument :

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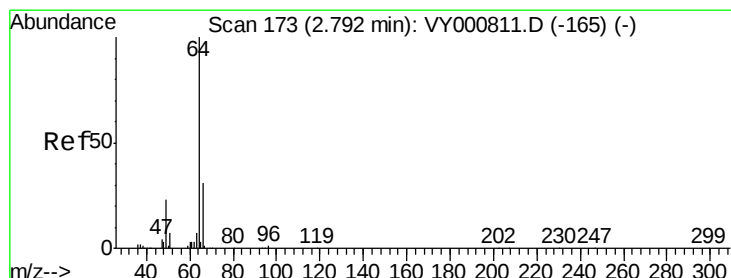
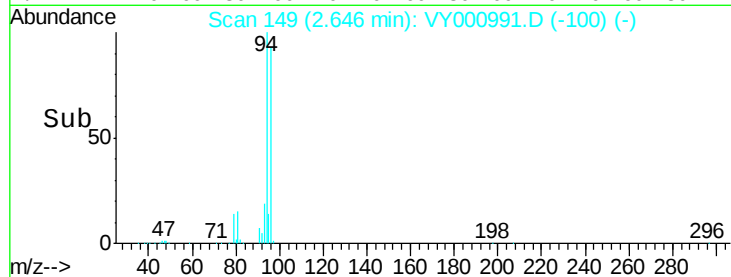
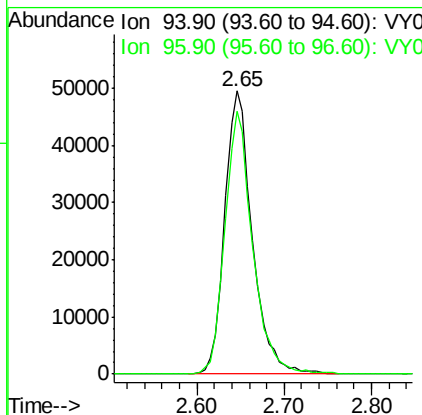
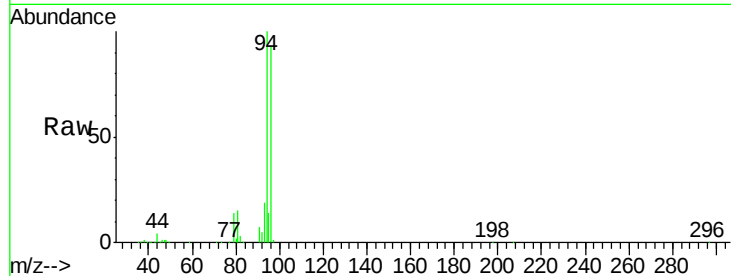
VSTDCCC050

Manual Integrations

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#6

Chloroethane

Concen: 46.916 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000991.D

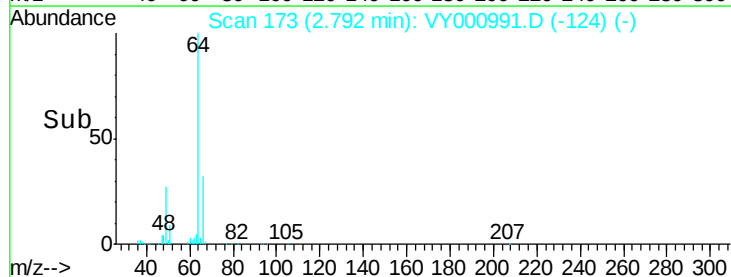
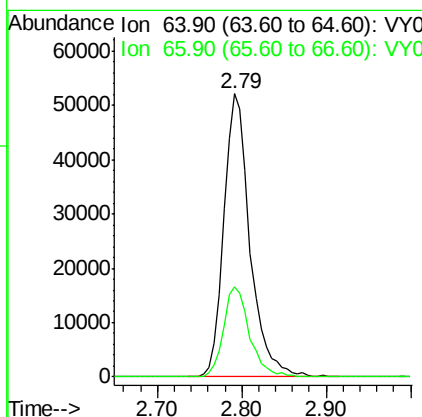
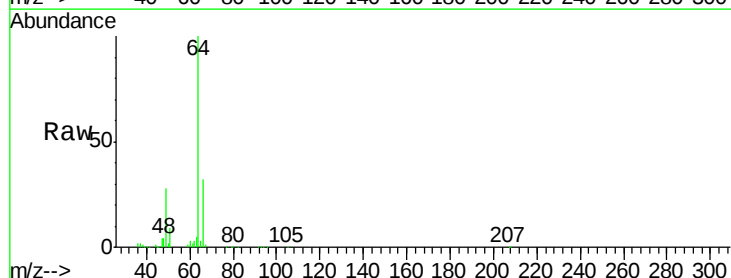
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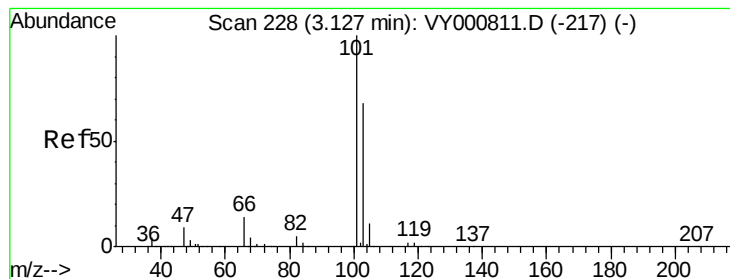
Tgt Ion: 64 Resp: 110670

Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.4





#7

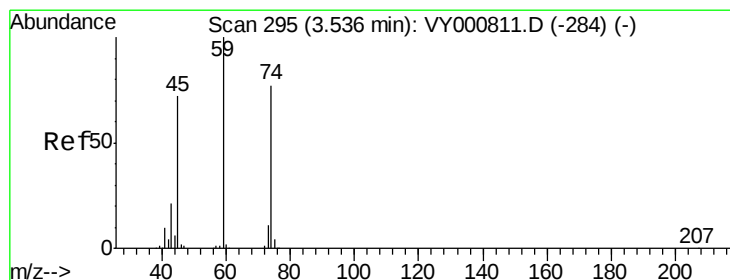
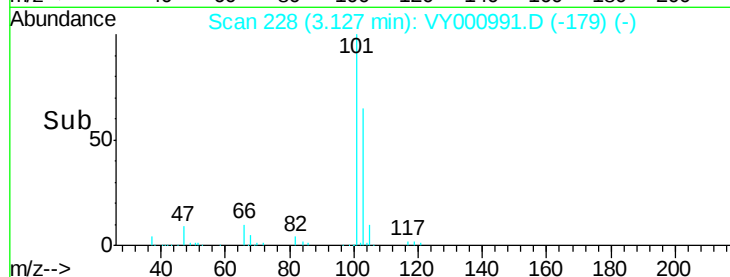
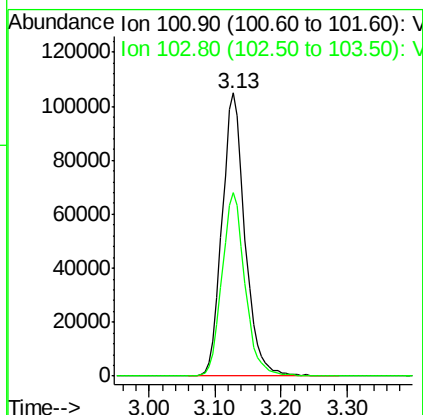
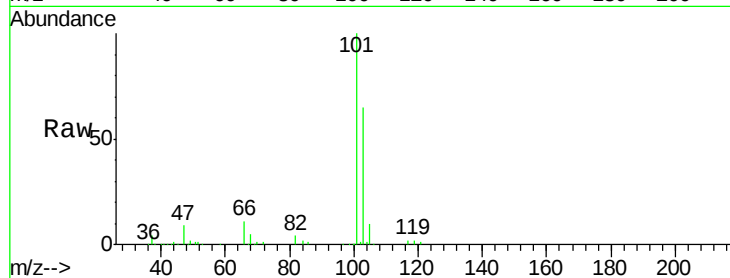
Trichlorofluoromethane
Concen: 47.819 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	252135		
103	65.1	54.2	81.2	

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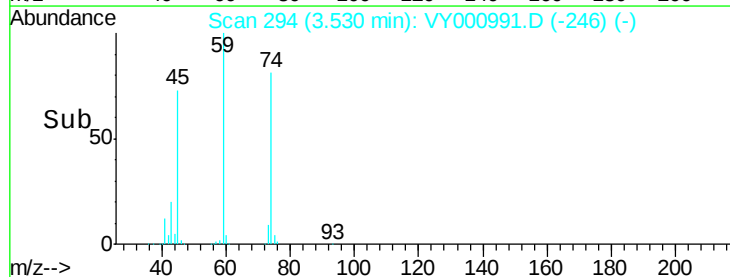
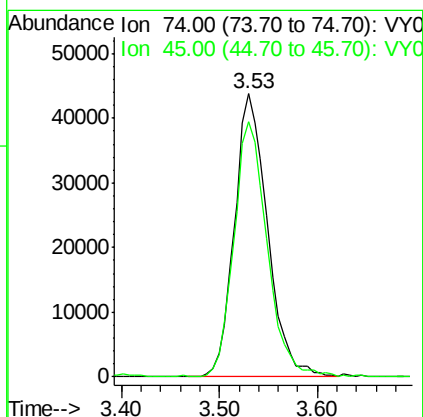
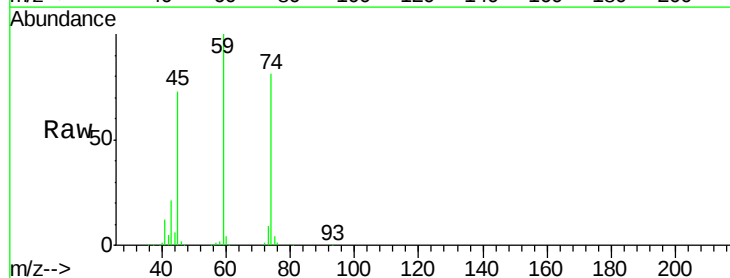
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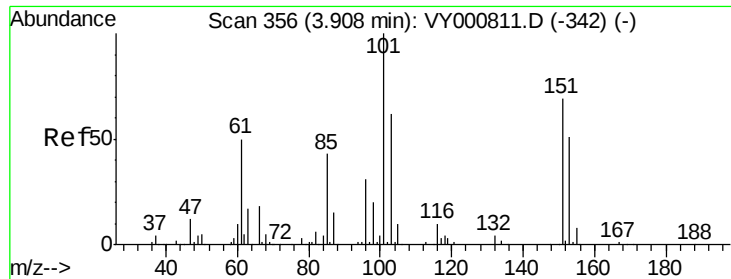


#8

Diethyl Ether
Concen: 51.957 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY000991.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	103110		
45	90.9	49.0	147.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.200 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

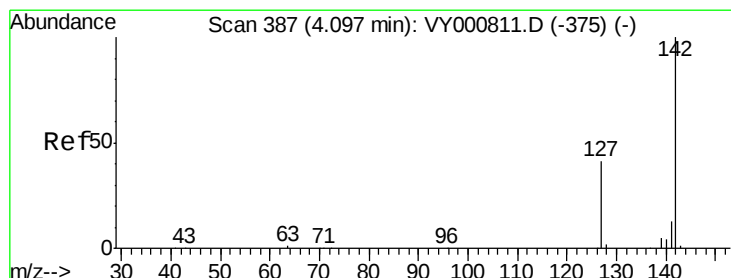
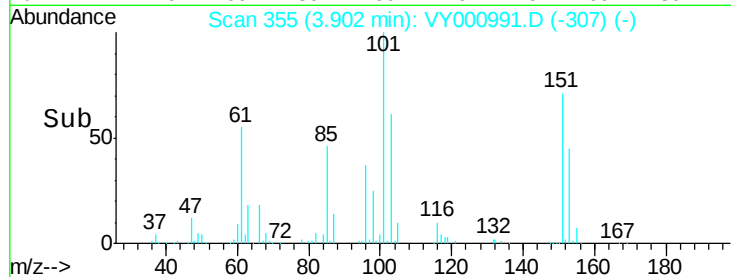
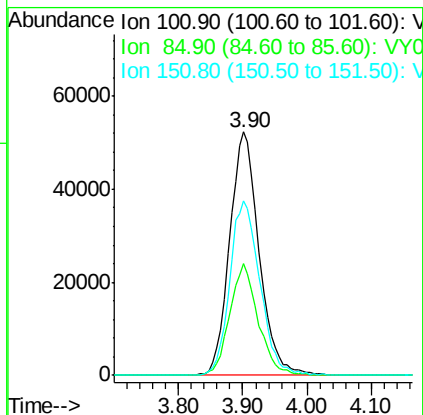
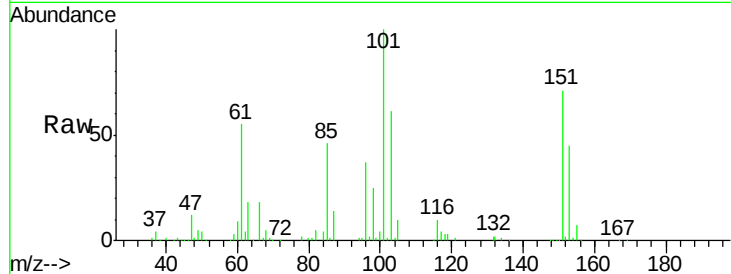
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	166714
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.0	54.0
151	73.3	58.2	87.2

Manual Integrations
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12/19/2019 11:10:35 AM



#10

Methyl Iodide

Concen: 52.921 ug/l

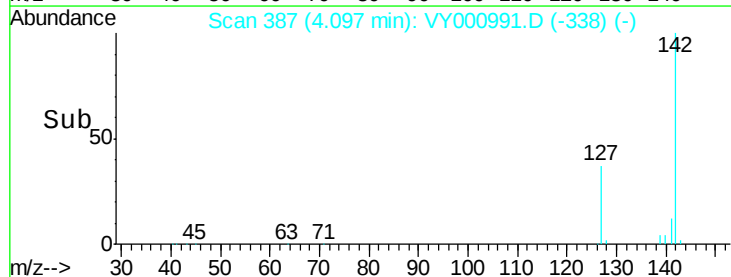
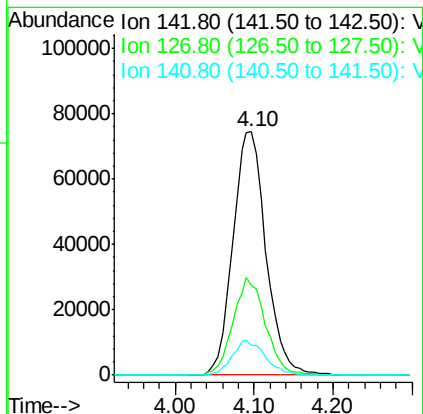
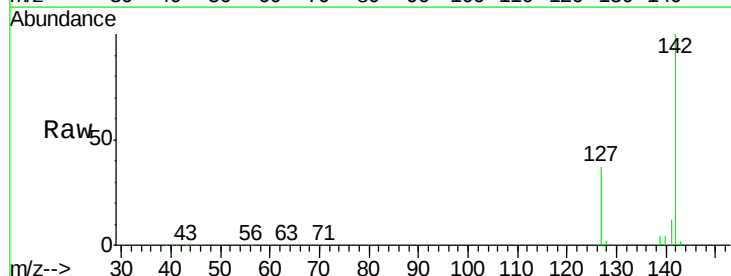
RT: 4.10 min Scan# 387

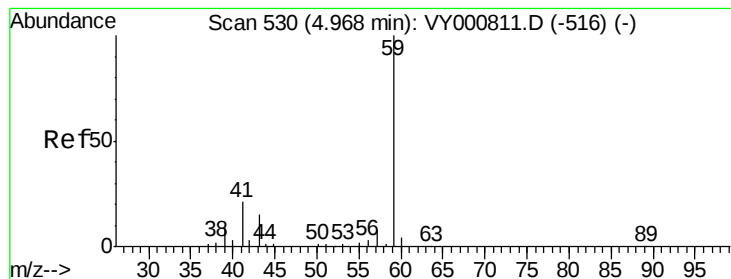
Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Tgt Ion:	142	Resp:	216955
Ion Ratio	Lower	Upper	
142	100		
127	39.2	33.8	50.8
141	14.3	10.9	16.3





#11

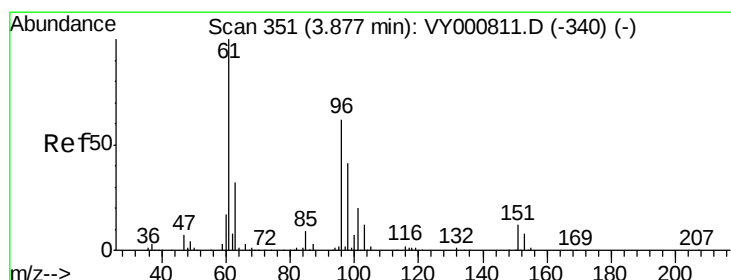
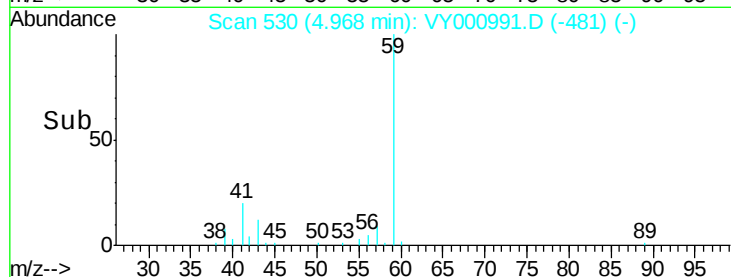
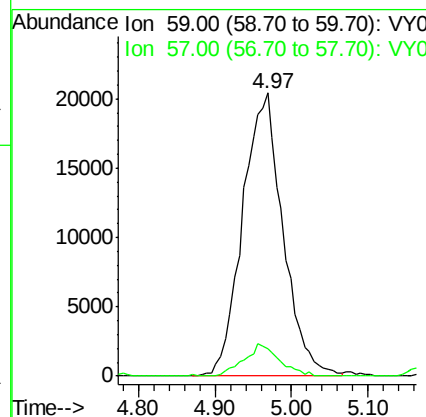
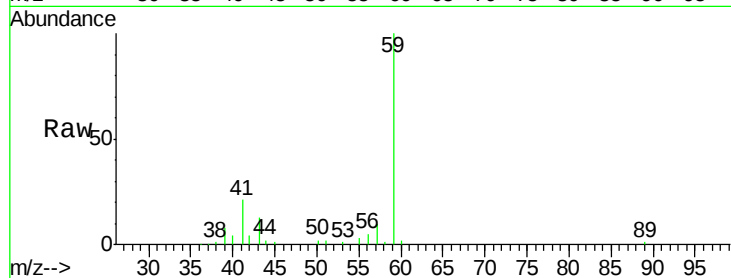
Tert butyl alcohol
Concen: 237.960 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.0	Resp	74841	Lower	Upper
59	100								
57		10.0						7.8	11.6

Manual Integrations
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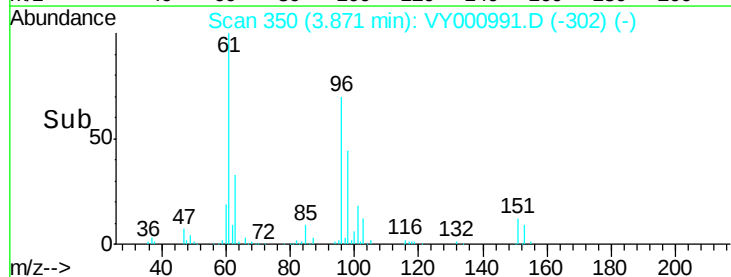
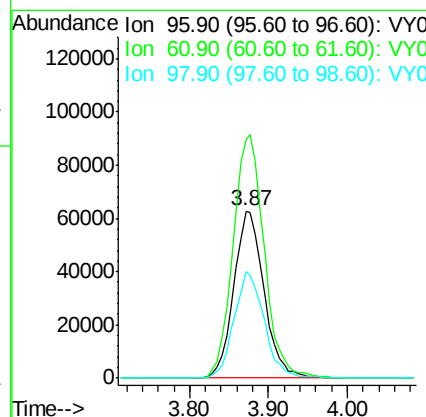
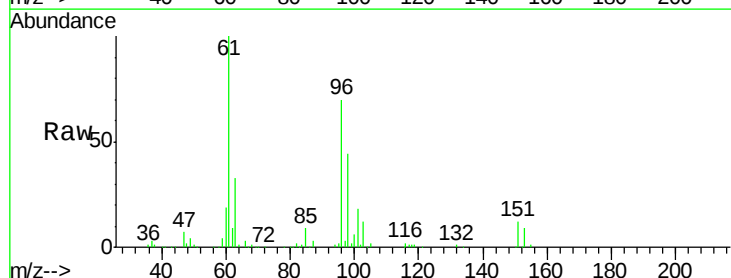
MMDadoda
12/19/2019 11:10:35 AM

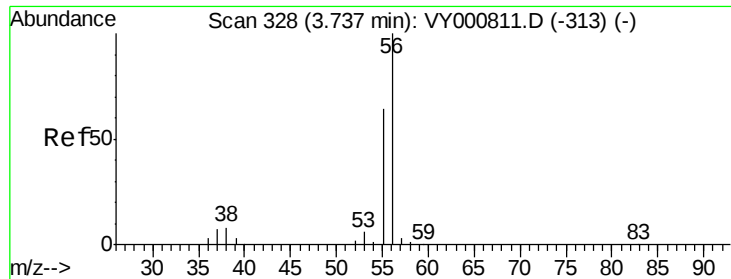


#12

1,1-Dichloroethene
Concen: 51.836 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	96	61	98	Ratio	100	143.1	63.5	Resp	167209	Lower	Upper
96	100										
61		143.1								129.4	194.2
98		63.5								53.4	80.0





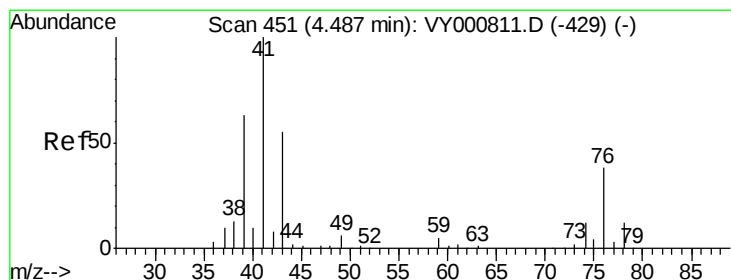
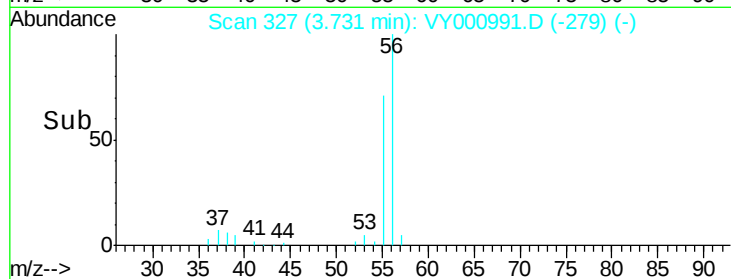
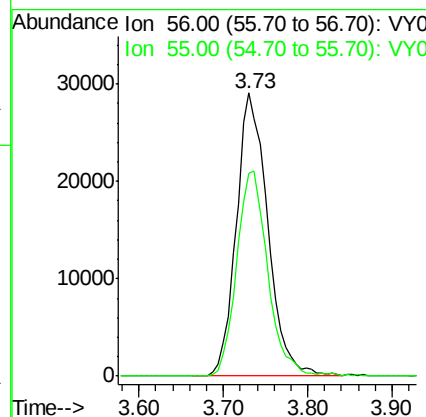
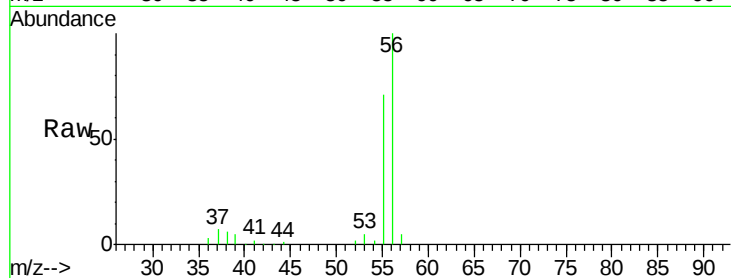
#13
Acrolein
Concen: 237.358 ug/l
RT: 3.73 min Scan# 327
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.2	55.7	83.5

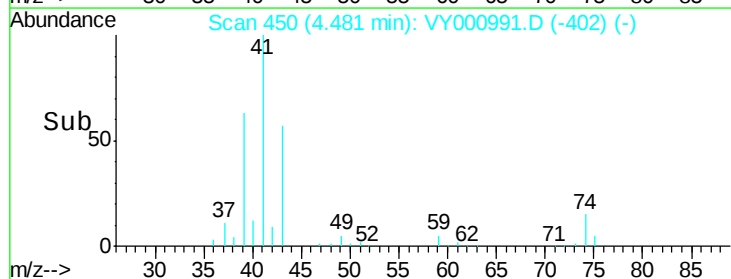
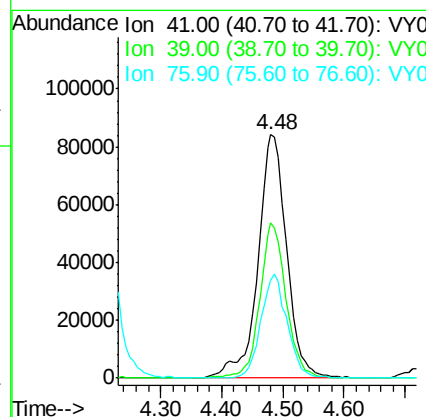
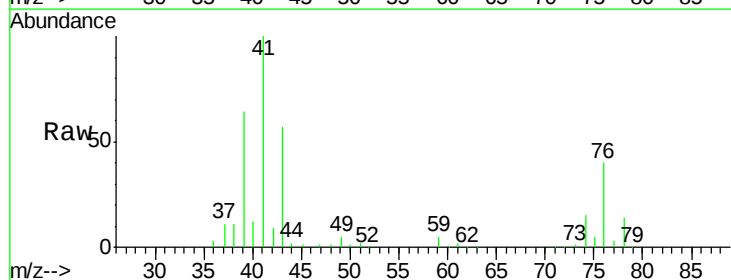
Manual Integrations
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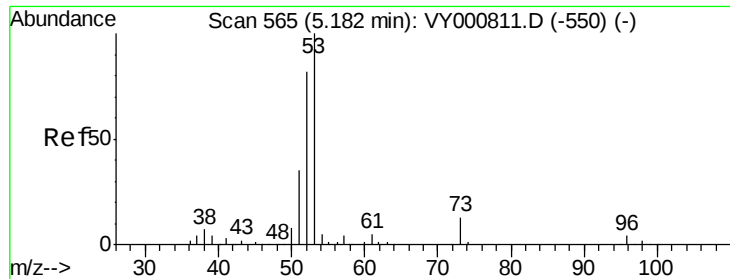
MMDadoda
12/19/2019 11:10:35 AM



#14
Allyl chloride
Concen: 50.089 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	58.6	49.2	73.8
76	76	38.8	29.2	43.8





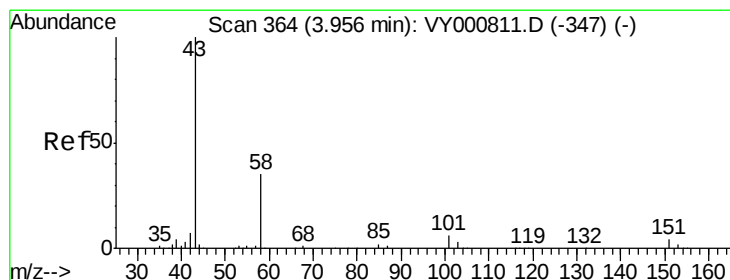
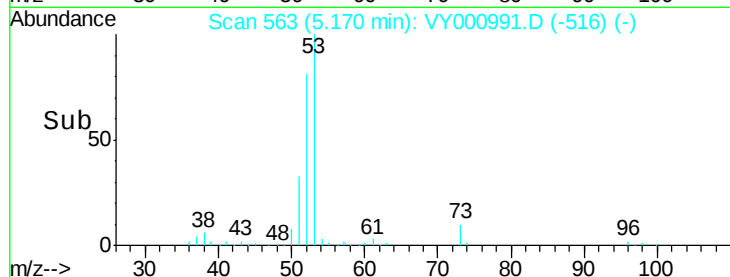
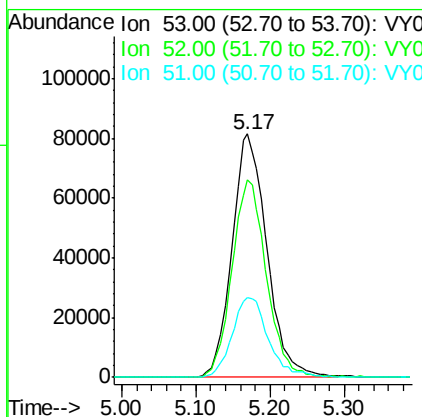
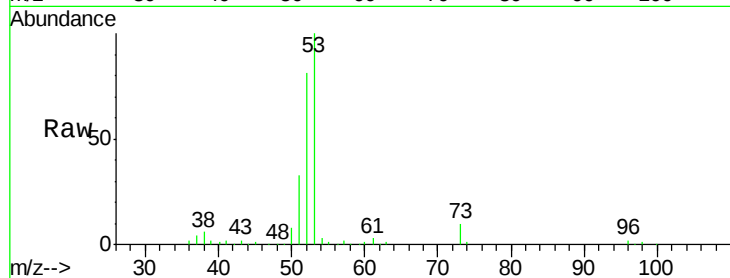
#15
Acrylonitrile
Concen: 260.596 ug/l
RT: 5.17 min Scan# 563
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.4	65.1	97.7
51	33.9	29.0	43.4

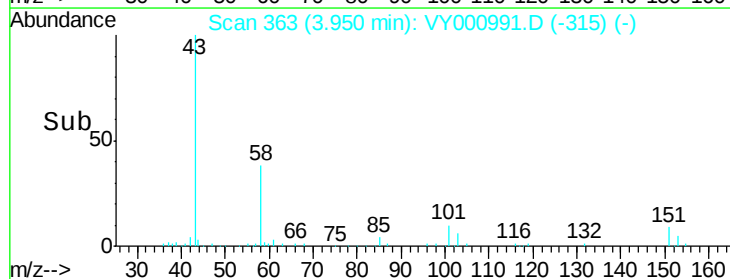
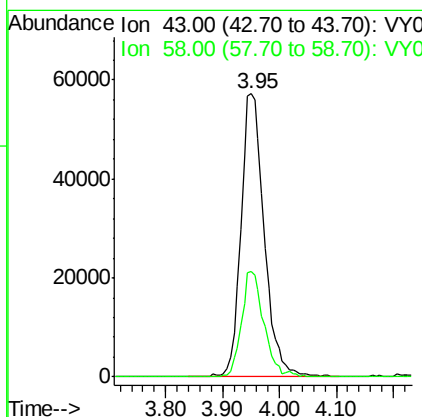
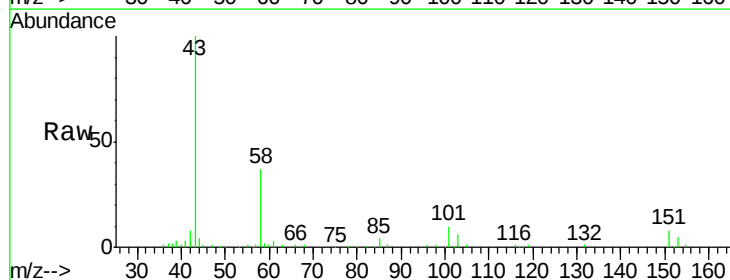
Manual Integrations
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MMDadoda
12/19/2019 11:10:35 AM



#16
Acetone
Concen: 228.067 ug/l
RT: 3.95 min Scan# 363
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	28.0	42.0





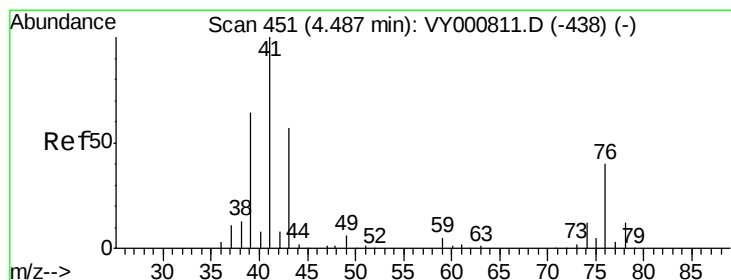
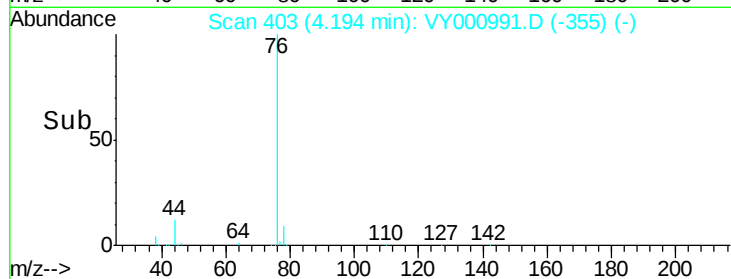
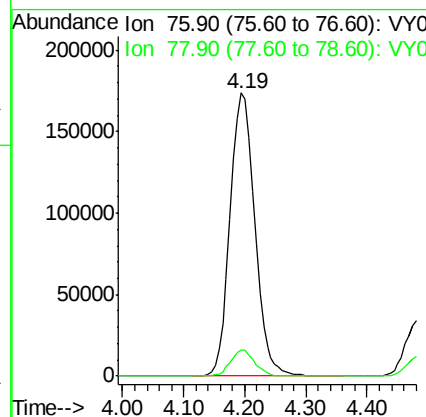
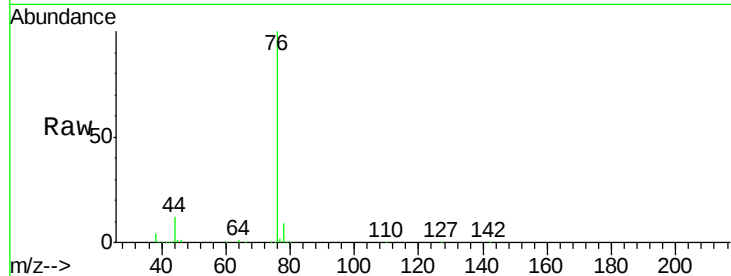
#17
Carbon Disulfide
Concen: 46.545 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

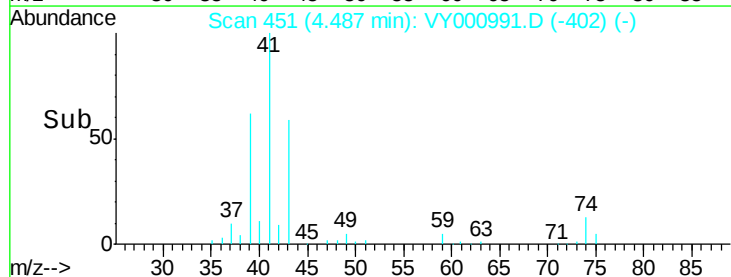
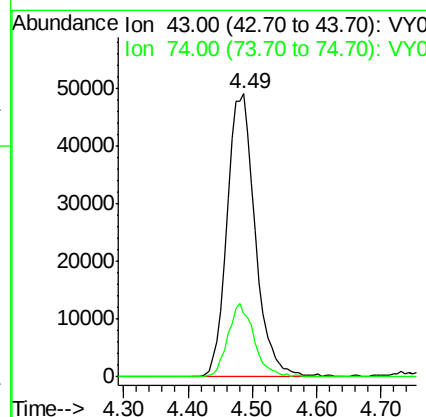
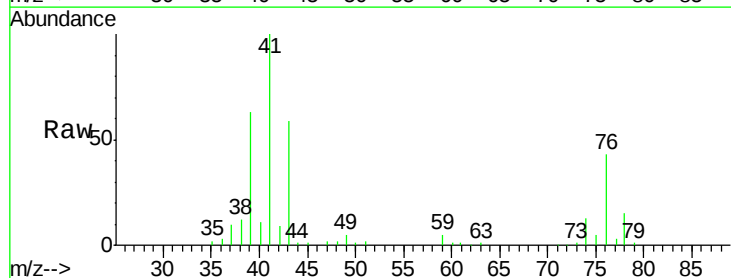
Manual Integrations
APPROVED

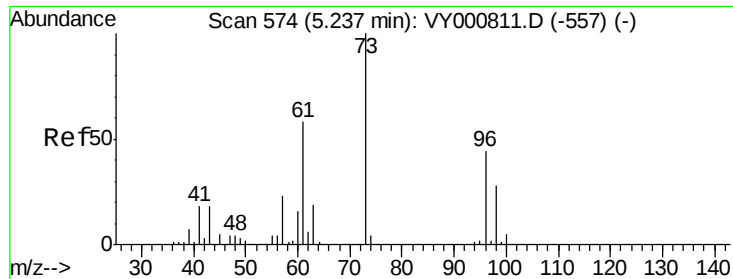
MMDadoda
12/19/2019 11:10:35 AM



#18
Methyl Acetate
Concen: 50.461 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.5	27.7





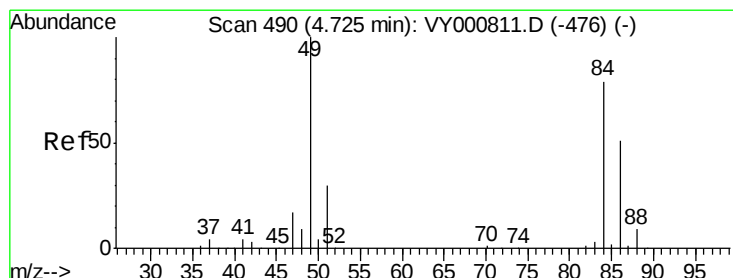
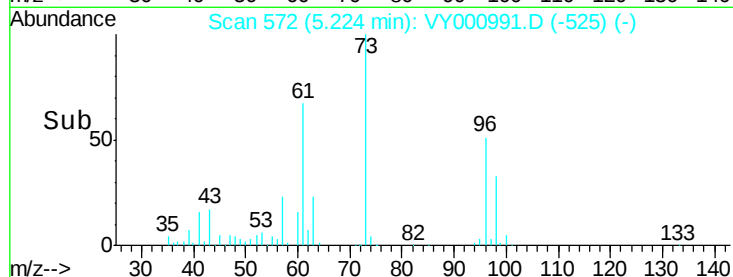
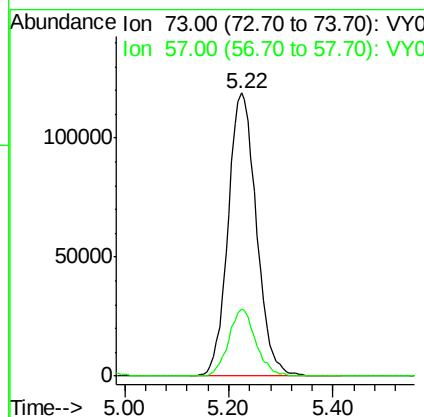
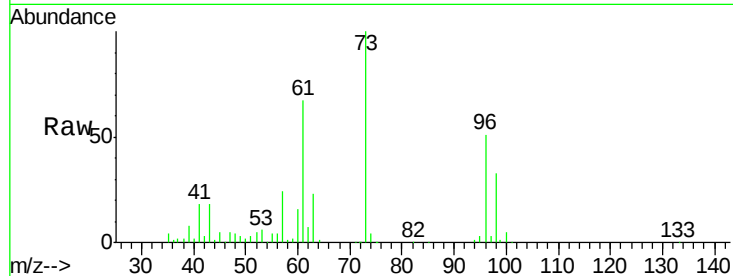
#19
Methvl tert-butvl Ether
Concen: 52.177 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 449496
Ion Ratio Lower Upper
73 100
57 23.7 18.2 27.4

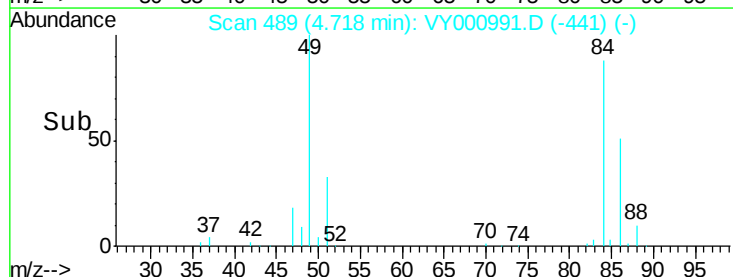
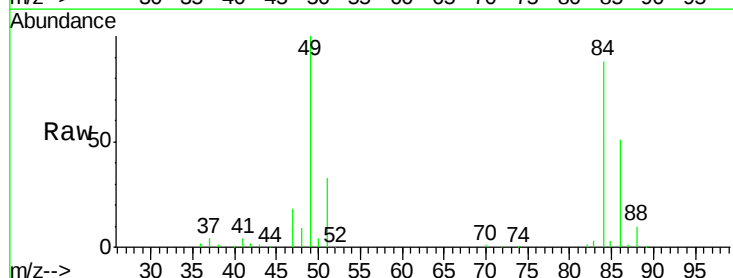
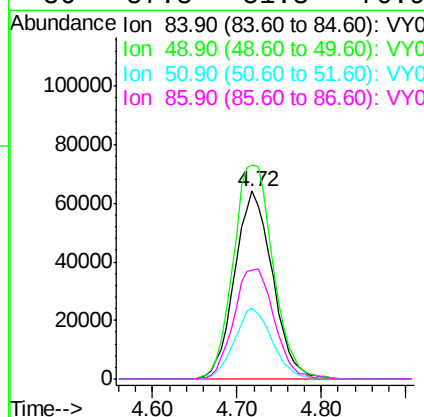
Manual Integrations
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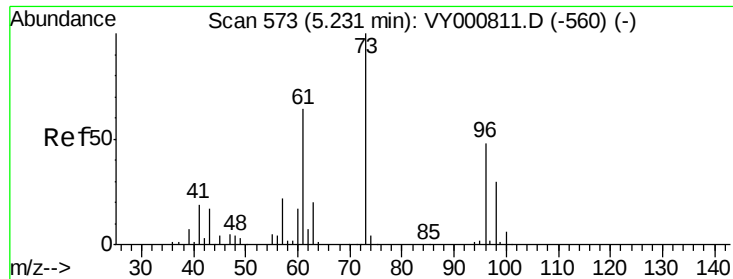
MMDadoda
12/19/2019 11:10:35 AM



#20
Methylene Chloride
Concen: 51.849 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion: 84 Resp: 195995
Ion Ratio Lower Upper
84 100
49 113.6 101.3 151.9
51 37.4 30.6 45.8
86 57.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 50.727 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

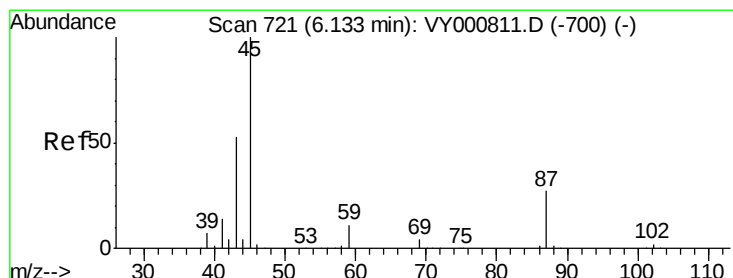
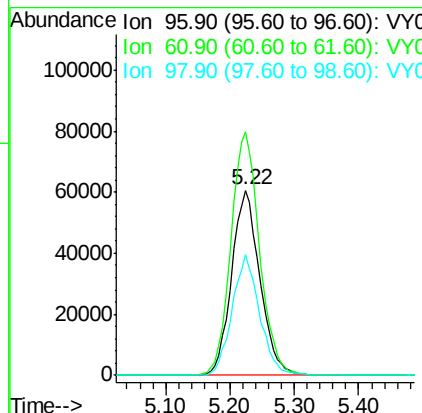
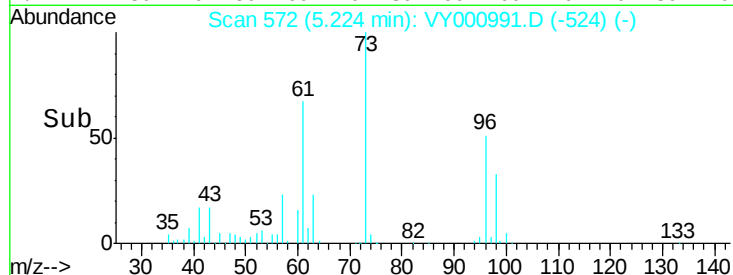
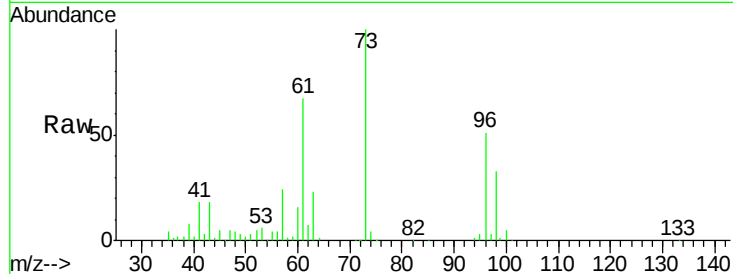
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	185986
Ion	Ratio	Lower	Upper
96	100		
61	131.7	105.9	158.9
98	65.2	49.4	74.2

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12/19/2019 11:10:35 AM



#22

Diisopropyl ether

Concen: 50.156 ug/l

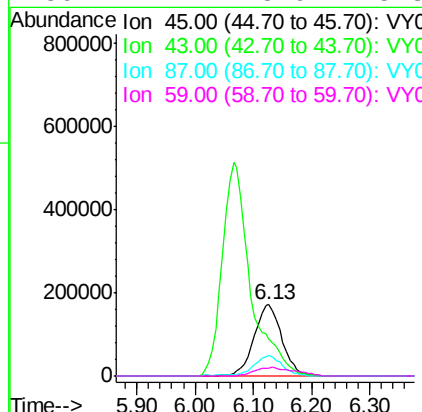
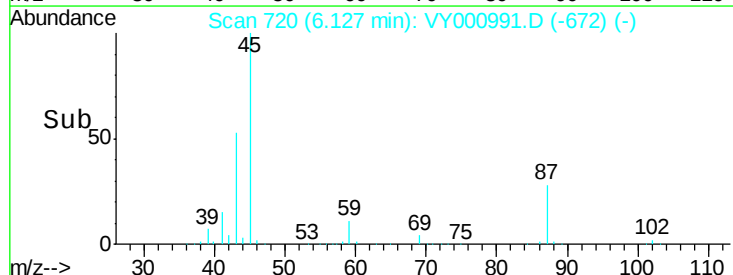
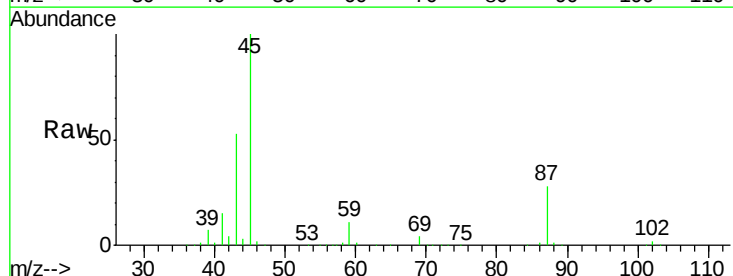
RT: 6.13 min Scan# 720

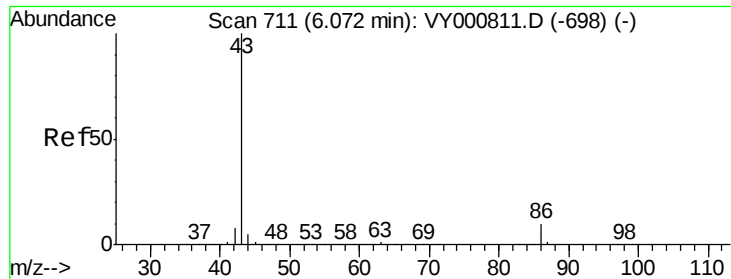
Delta R.T. -0.01 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Tgt Ion:	45	Resp:	570172
Ion	Ratio	Lower	Upper
45	100		
43	52.7	42.7	64.1
87	28.0	22.0	33.0
59	11.2	8.9	13.3





#23

Vinyl Acetate

Concen: 250.319 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1729953

Ion Ratio Lower Upper

43 100

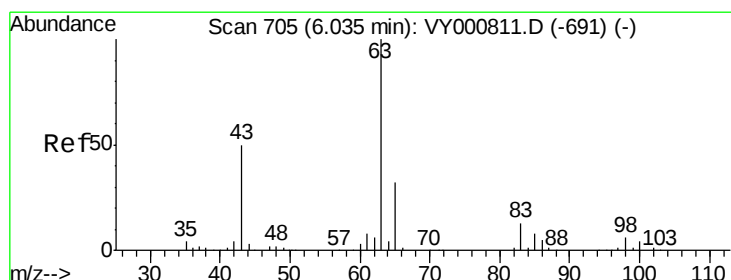
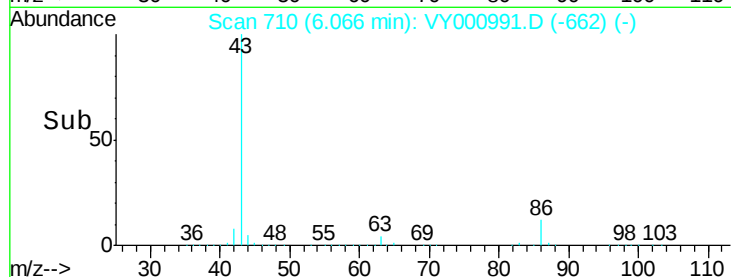
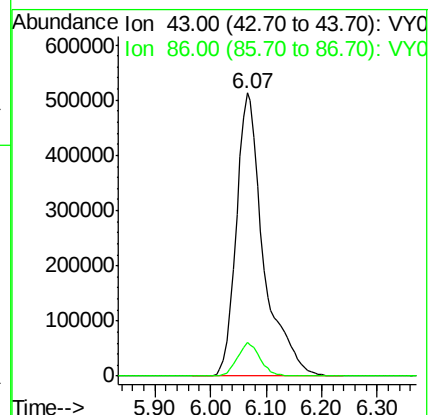
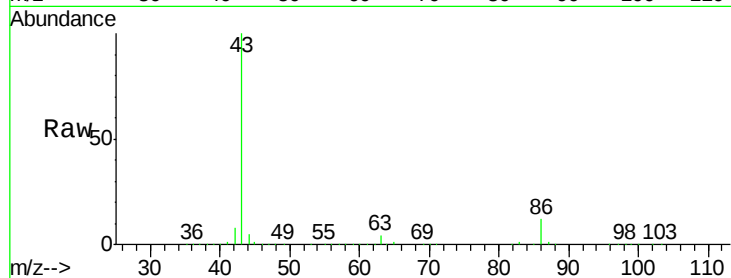
86 11.7 8.3 12.5

Manual Integrations

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MMDadoda

12/19/2019 11:10:35 AM



#24

1,1-Dichloroethane

Concen: 51.910 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

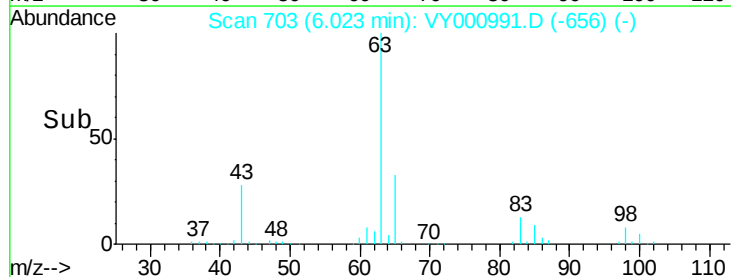
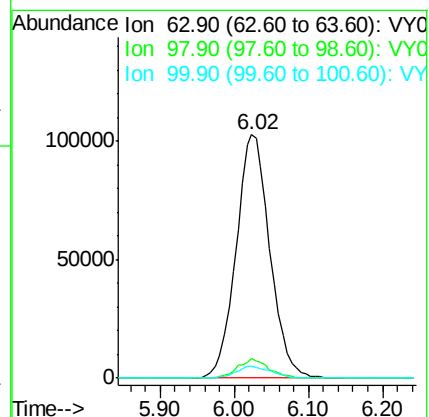
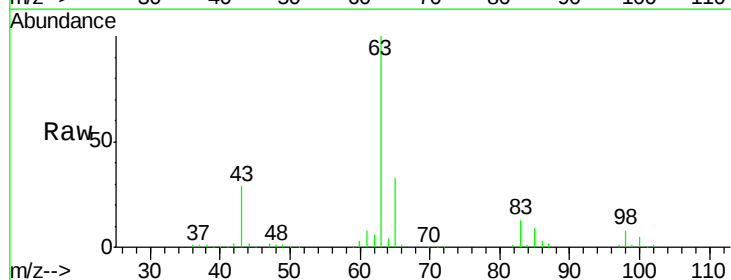
Tgt Ion: 63 Resp: 325243

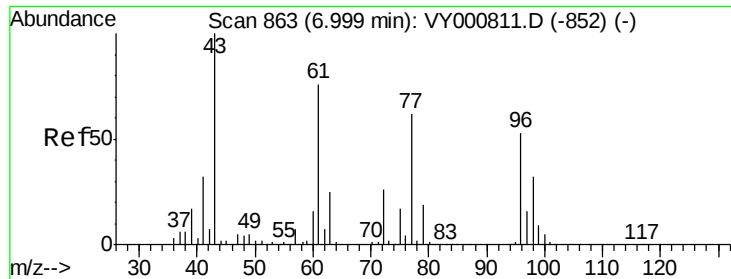
Ion Ratio Lower Upper

63 100

98 7.9 3.3 9.8

100 4.7 2.2 6.6





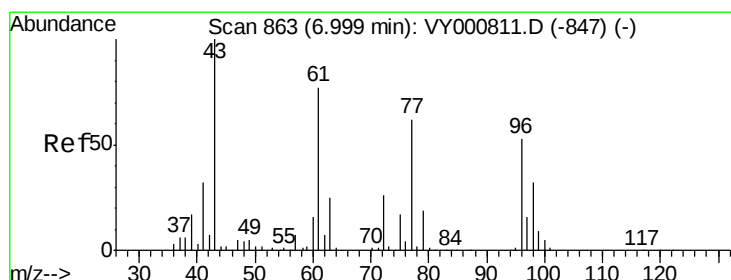
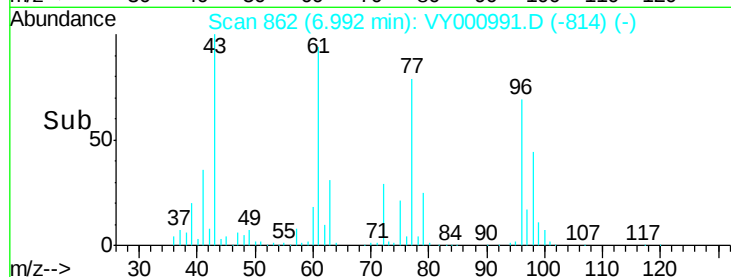
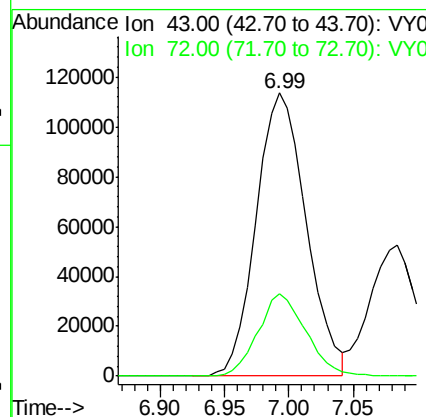
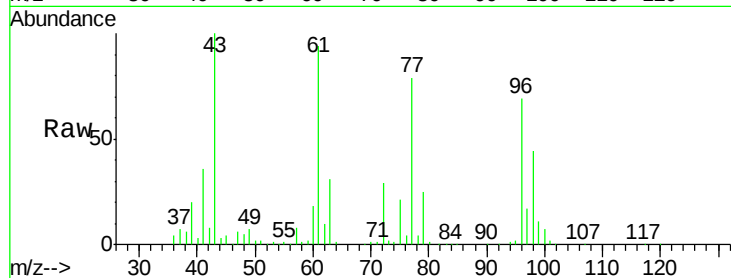
#25
2-Butanone
Concen: 230.693 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 305604
Ion Ratio Lower Upper
43 100
72 29.1 21.0 31.4

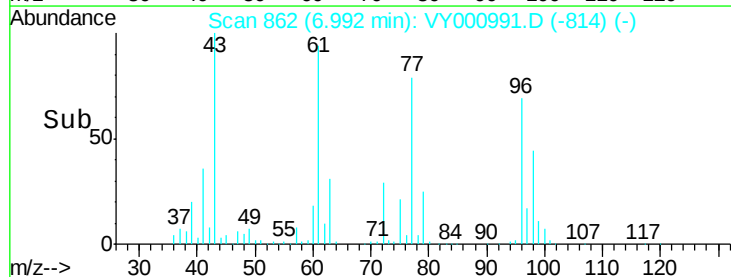
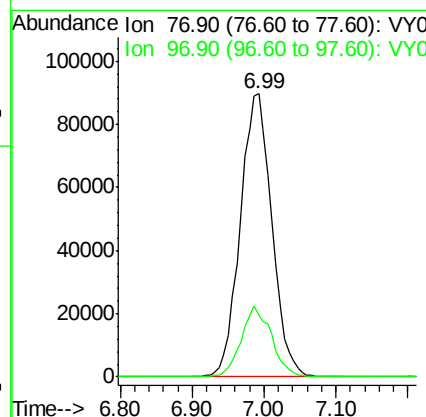
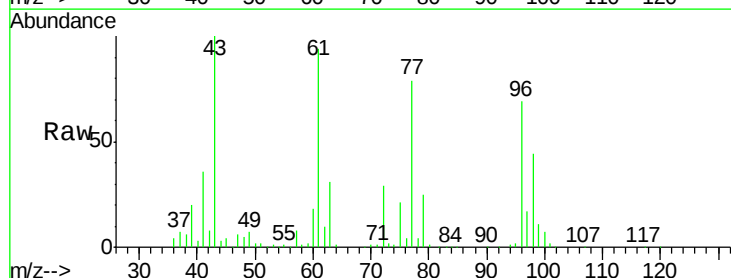
Manual Integrations
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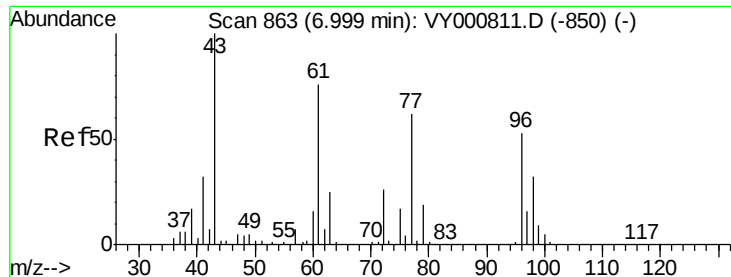
MMDadoda
12/19/2019 11:10:35 AM



#26
2,2-Dichloropropane
Concen: 51.746 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion: 77 Resp: 272879
Ion Ratio Lower Upper
77 100
97 23.8 11.9 35.9





#27

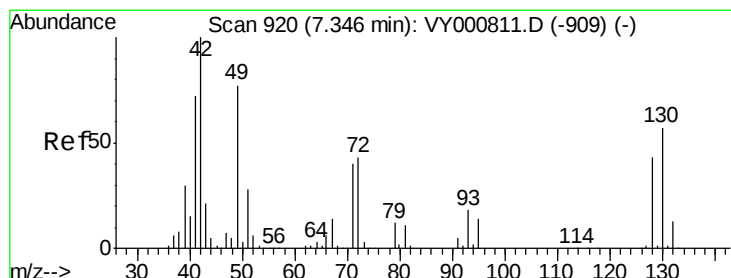
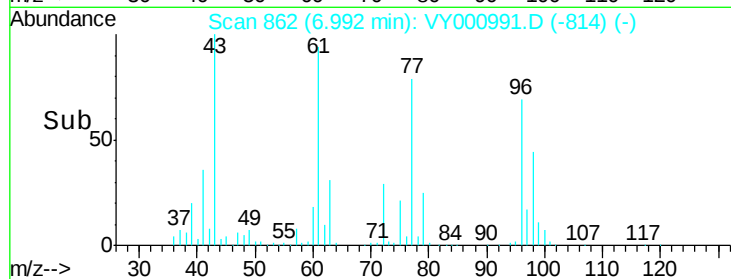
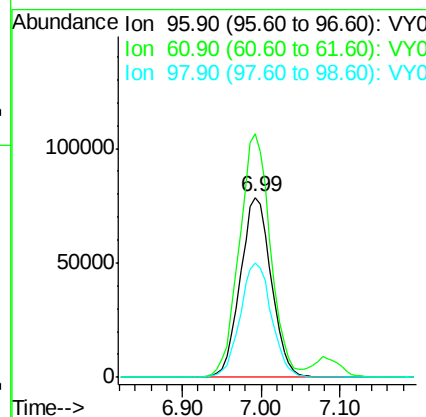
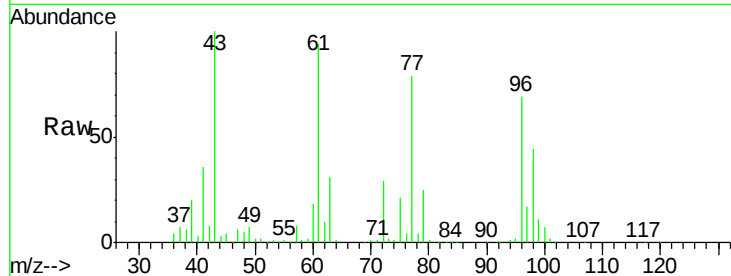
cis-1,2-Dichloroethene
Concen: 54.234 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	214941		
61	136.6	0.0	285.0	
98	64.1	0.0	128.0	

Manual Integrations
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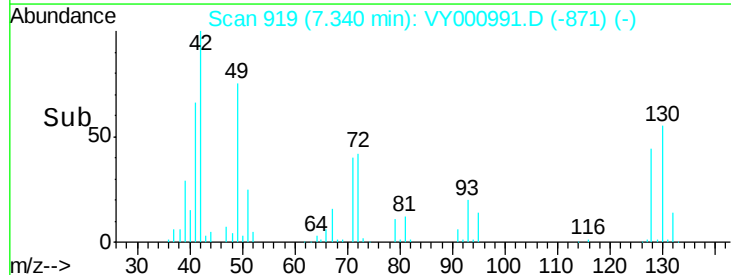
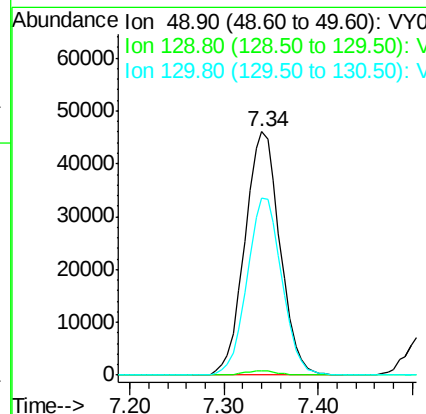
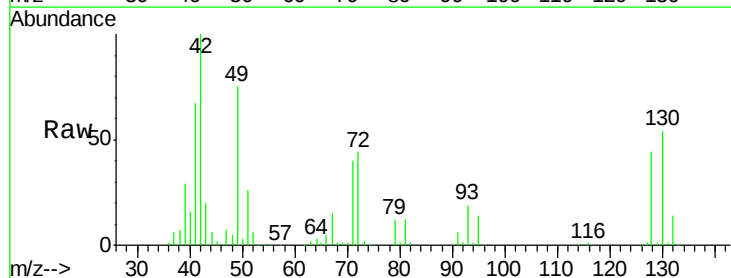
MMDadoda
12/19/2019 11:10:35 AM

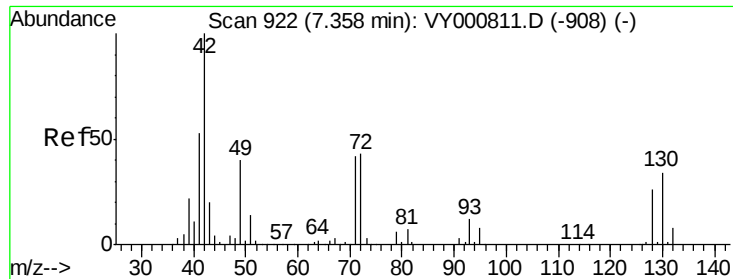


#28

Bromochloromethane
Concen: 52.248 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	120246		
129	1.8	0.0	3.8	
130	72.3	58.7	88.1	





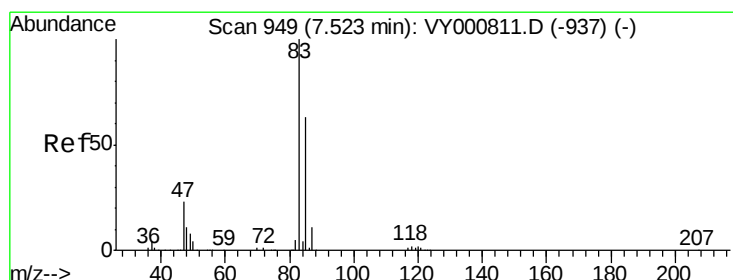
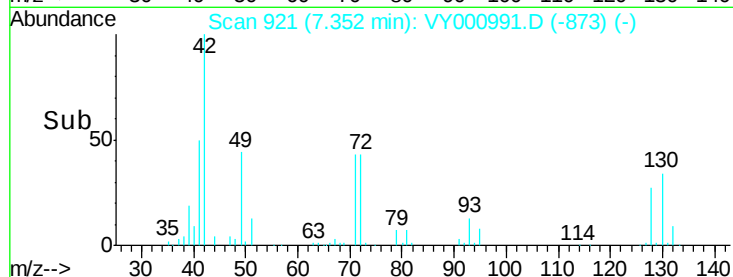
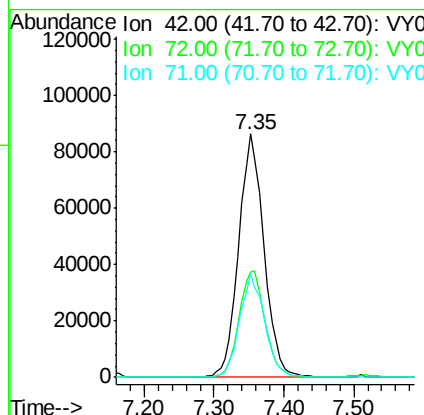
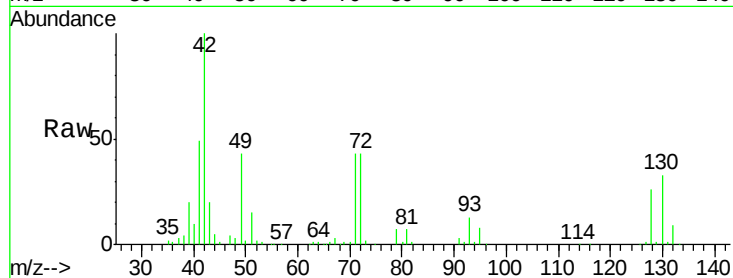
#29
Tetrahydrofuran
Concen: 246.715 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.1	52.7
71	42.1	32.8	49.2

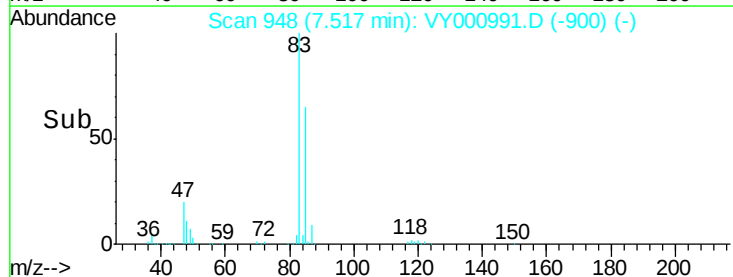
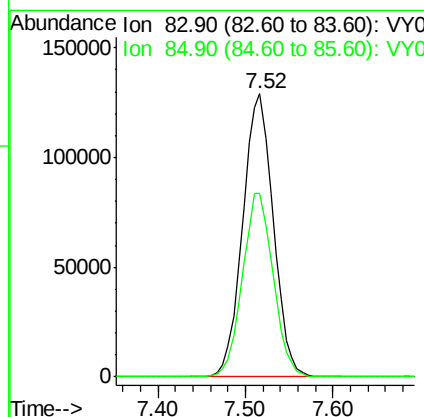
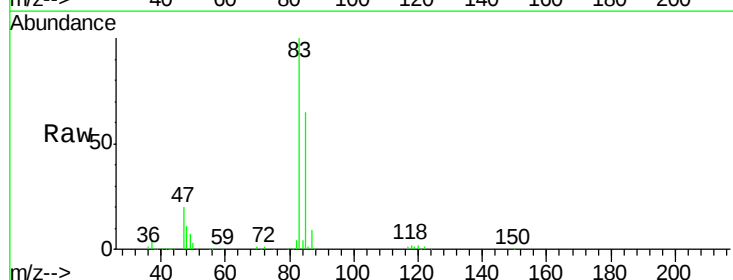
Manual Integrations
APPROVED

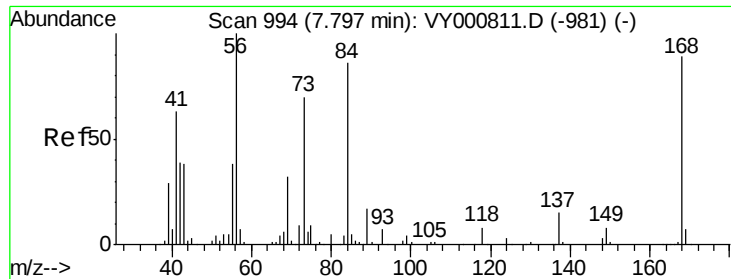
MMDadoda
12/19/2019 11:10:35 AM



#30
Chloroform
Concen: 49.786 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.4	75.6





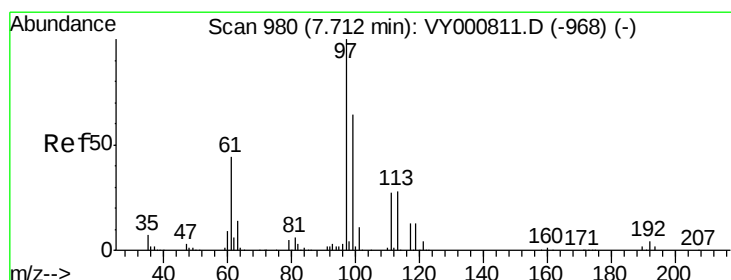
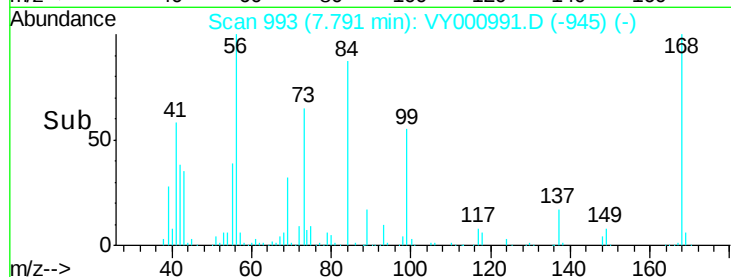
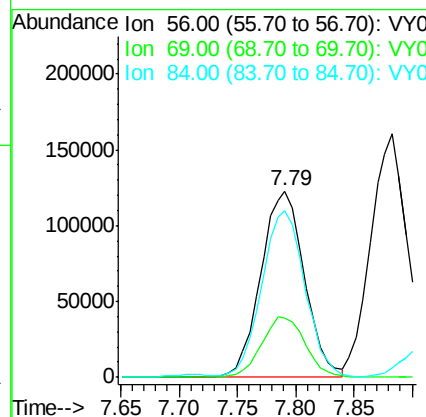
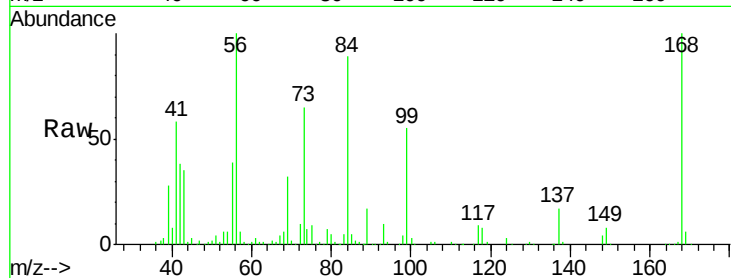
#31
Cyclohexane
Concen: 47.875 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.9	38.9
84	88.0	68.6	102.8

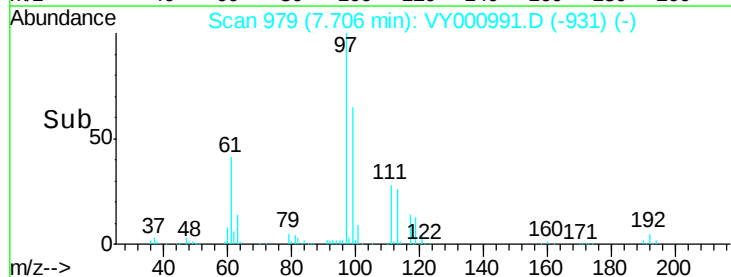
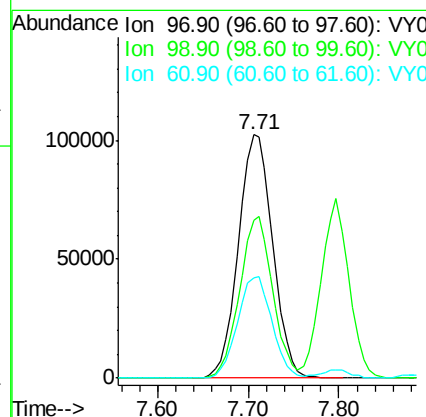
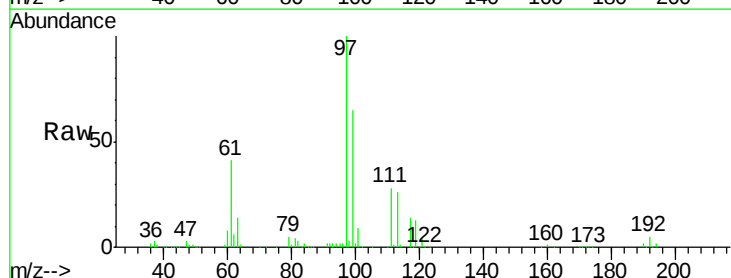
Manual Integrations
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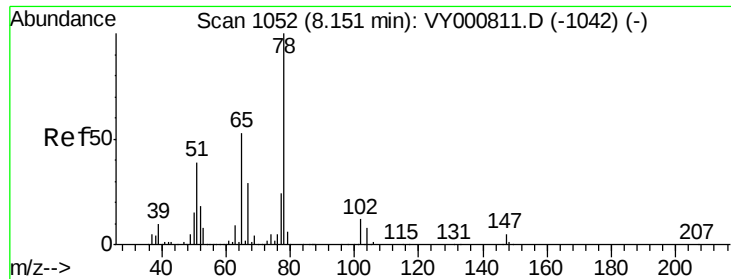
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#32
1,1,1-Trichloroethane
Concen: 51.768 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	41.8	35.0	52.6





#33

1,2-Dichloroethane-d4

Concen: 44.851 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 140210

Ion Ratio Lower Upper

65 100

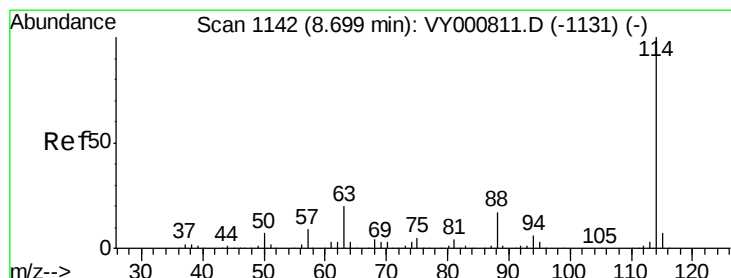
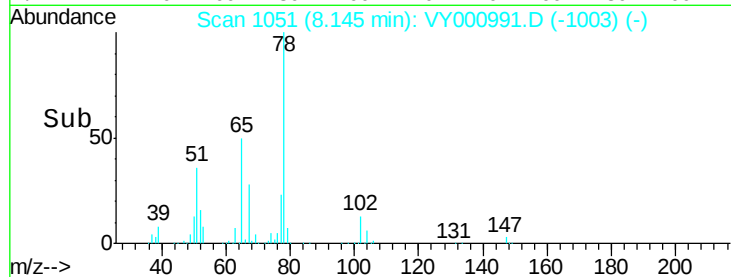
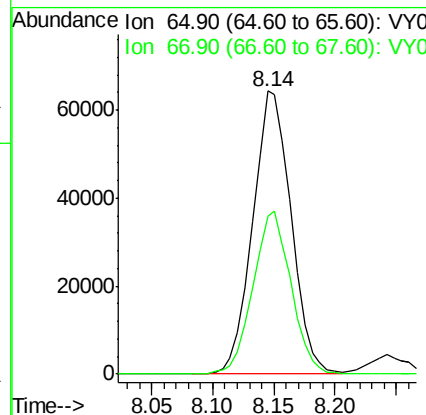
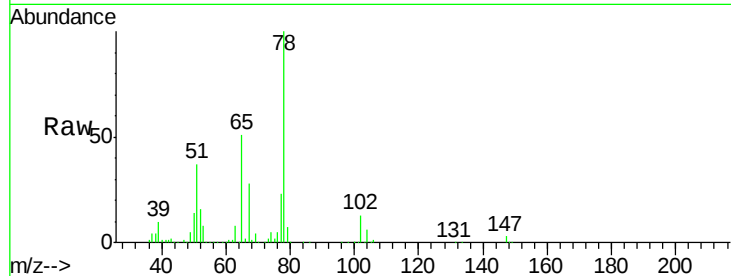
67 56.8 0.0 112.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

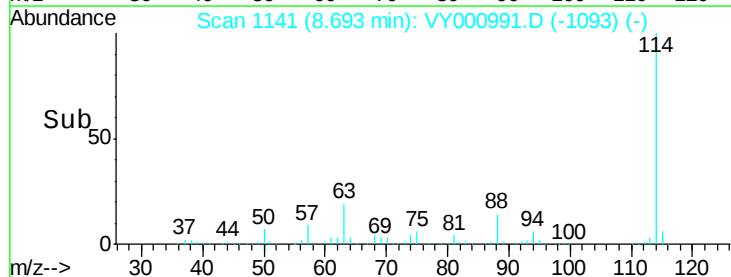
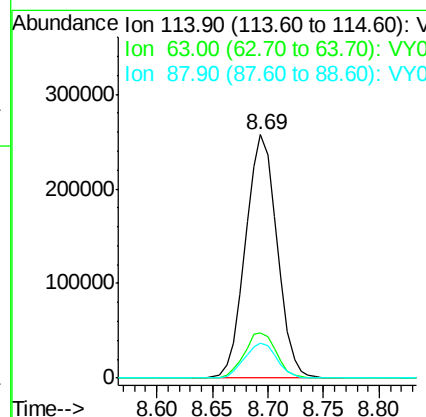
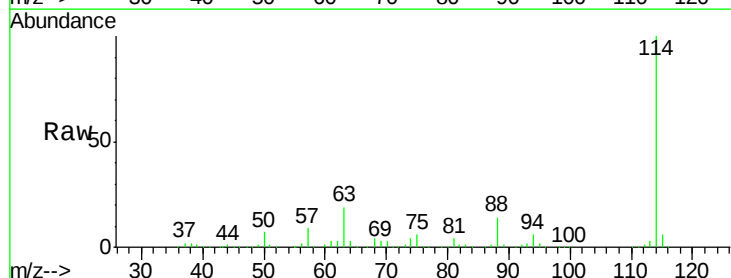
Tgt Ion: 114 Resp: 506079

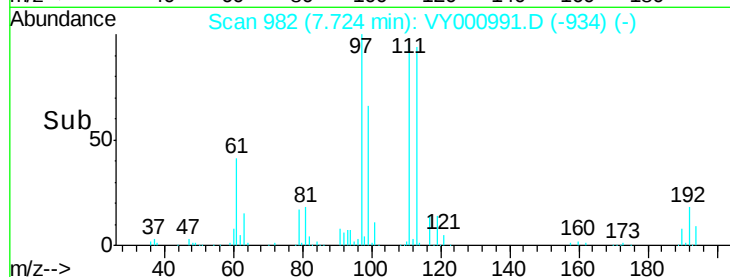
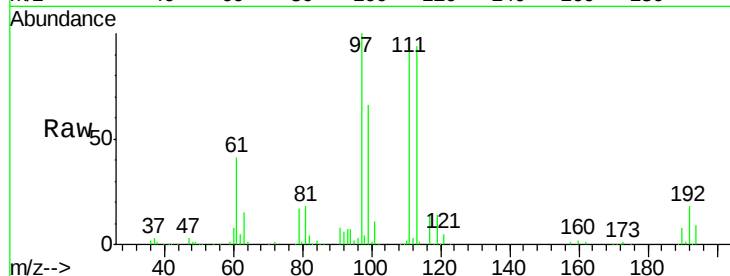
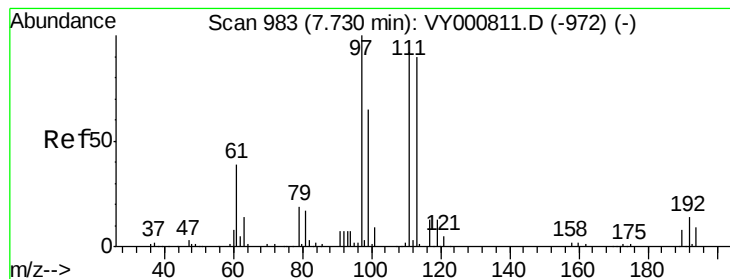
Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.8

88 14.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.987 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000991.D

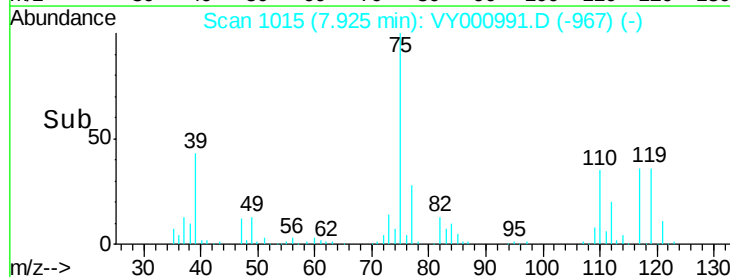
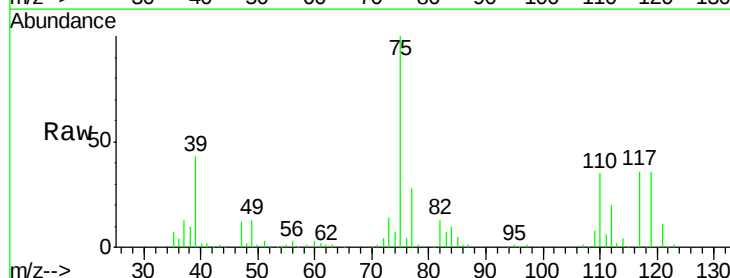
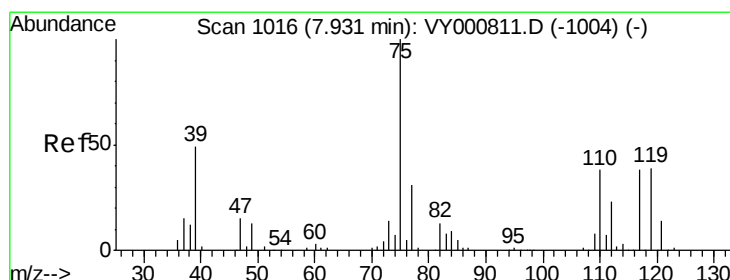
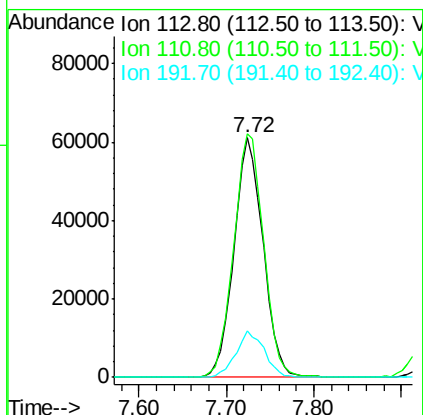
Acq: 18 Dec 2019 11:33

Tot Ion:	113	Resp:	141533
Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.4	123.6
192	18.9	14.2	21.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.060 ug/l

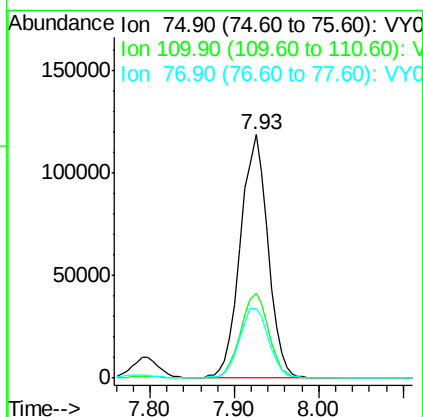
RT: 7.93 min Scan# 1015

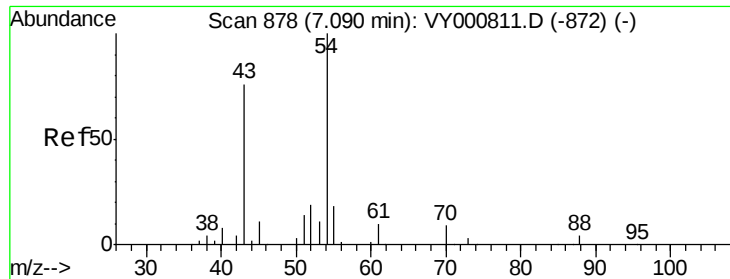
Delta R.T. -0.01 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Tgt Ion:	75	Resp:	261963
Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.9	53.7
77	30.6	24.7	37.1





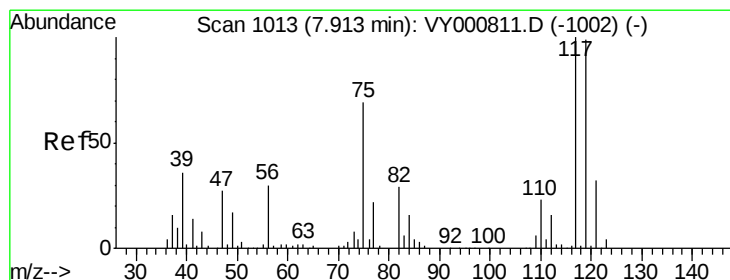
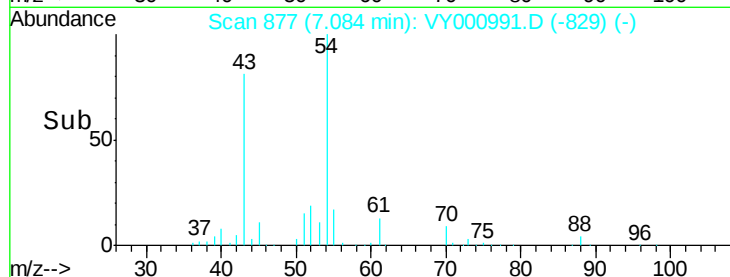
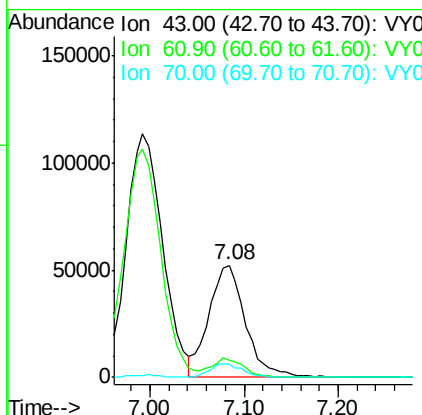
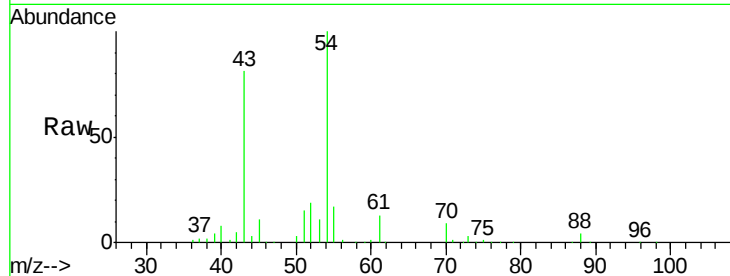
#37
Ethyl Acetate
Concen: 48.234 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.8
70	10.3	8.7	13.1

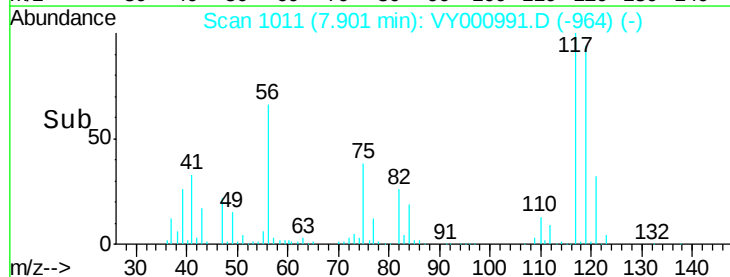
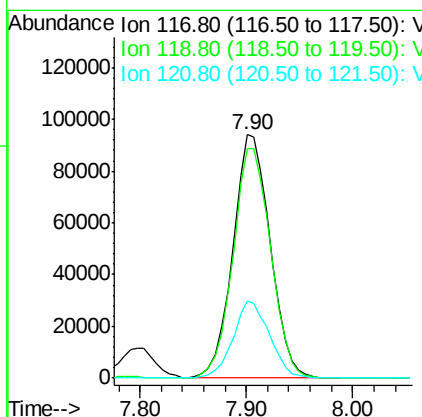
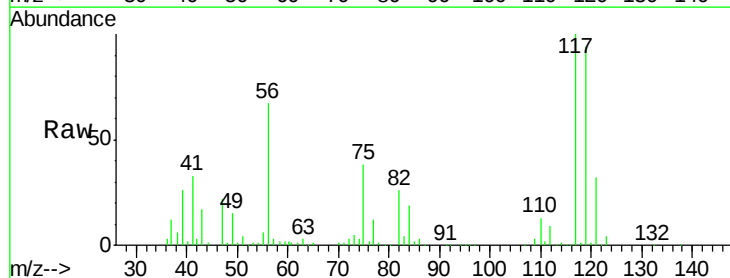
Manual Integrations
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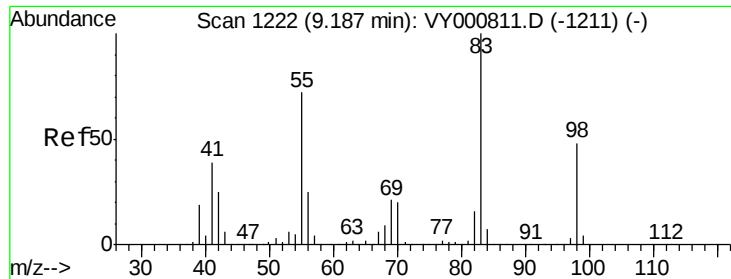
MMDadoda
12/19/2019 11:10:35 AM



#38
Carbon Tetrachloride
Concen: 51.526 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	79.3	118.9
121	31.8	25.5	38.3





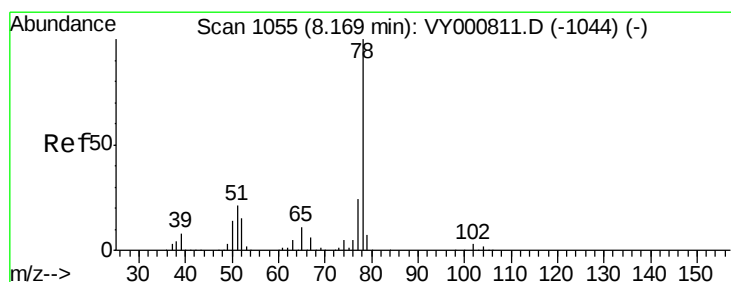
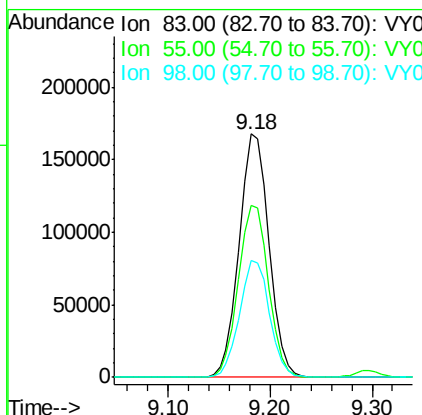
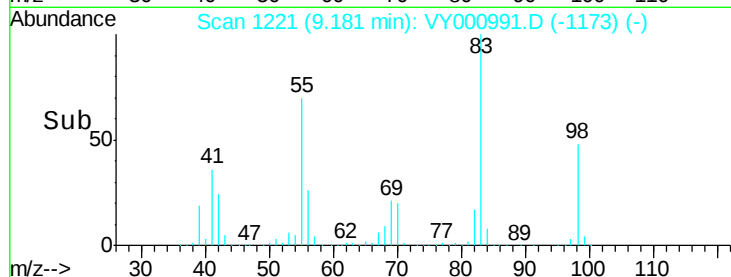
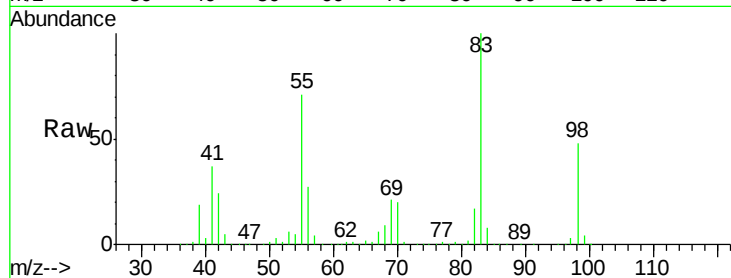
#39
Methvlcvclohexane
Concen: 51.138 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	70.5	57.8	86.6	
98	48.2	38.6	58.0	

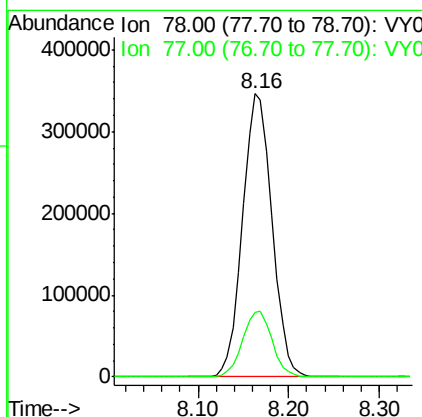
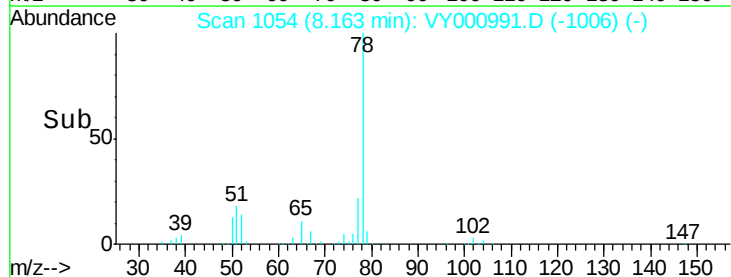
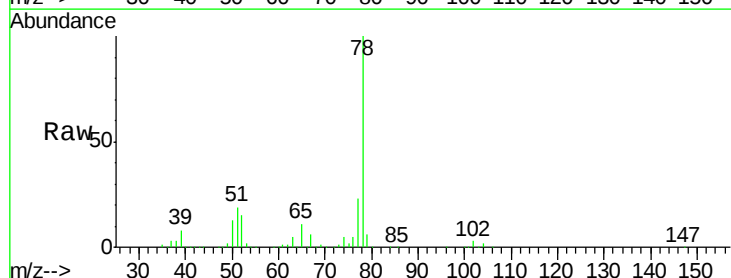
Manual Integrations
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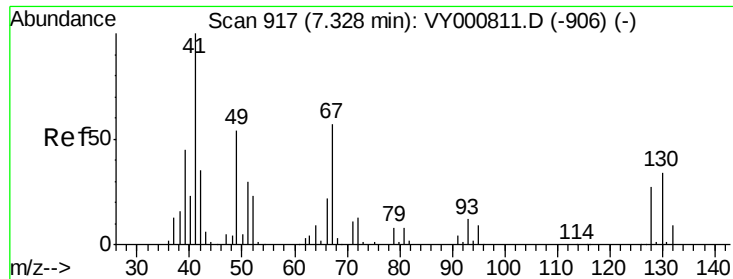
MMDadoda
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#40
Benzene
Concen: 53.022 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.6	19.2	28.8	





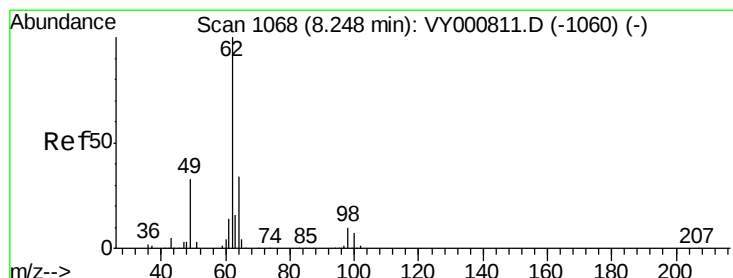
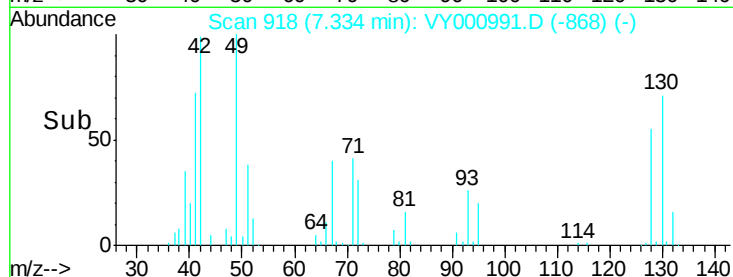
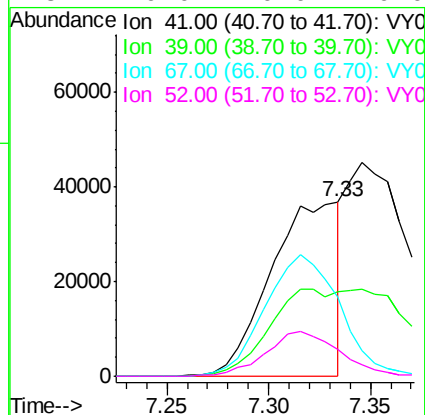
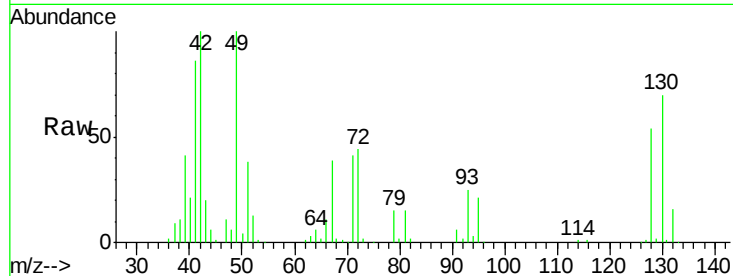
#41
Methacrylonitrile
Concen: 56.747 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	86900
Ion Ratio	Lower	Upper	
41	100		
39	0.0	95.7	143.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

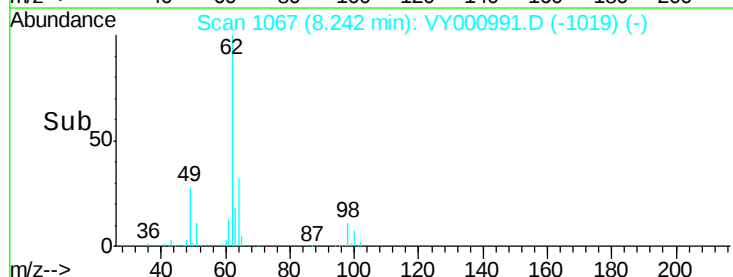
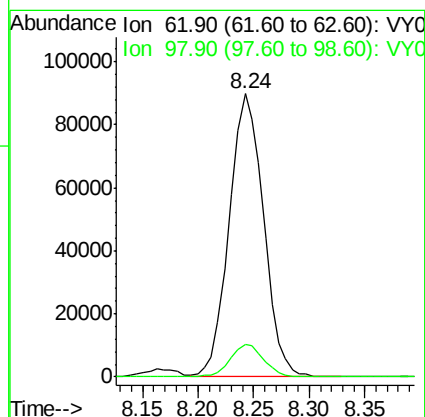
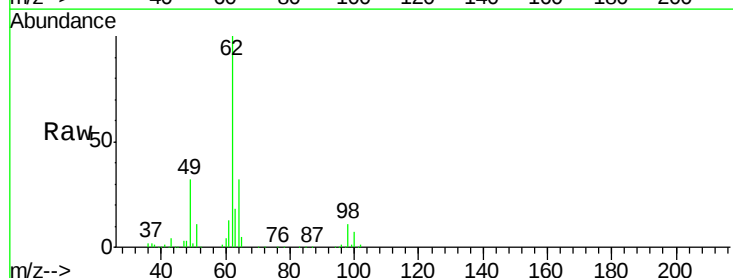
Manual Integrations
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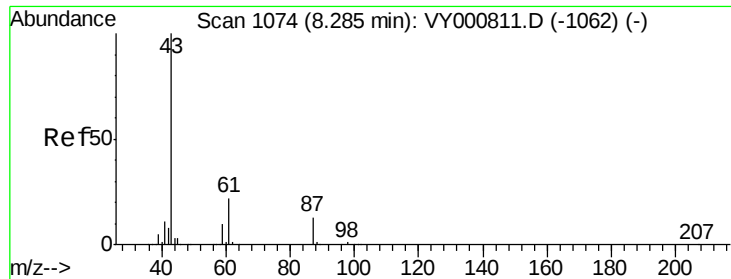
MMDadoda
12/19/2019 11:10:35 AM



#42
1,2-Dichloroethane
Concen: 49.833 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	62	Resp	192092
Ion Ratio	Lower	Upper	
62	100		
98	11.1	0.0	21.4





#43

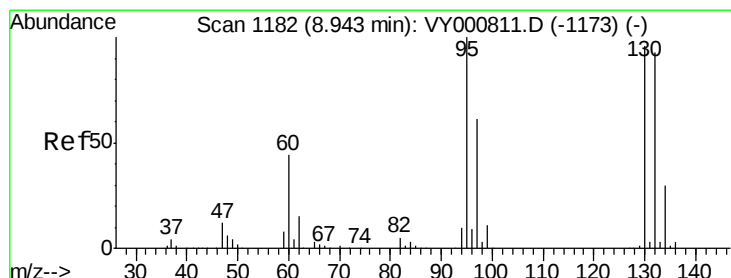
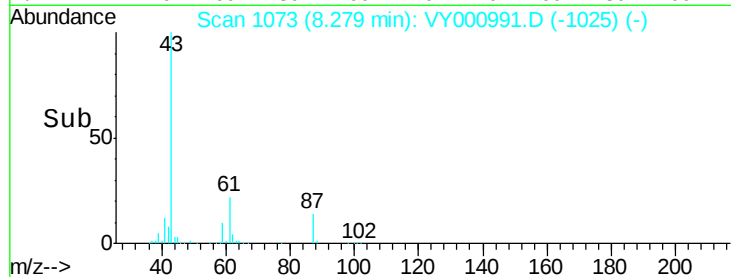
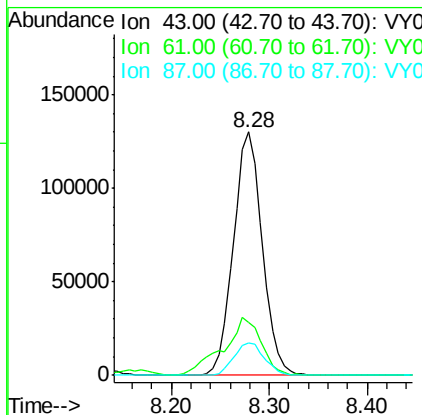
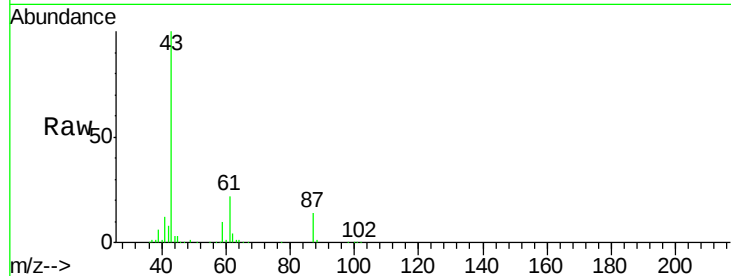
Isopropyl Acetate
 Concen: 48.658 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VY000991.D
 Acq: 18 Dec 2019 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.4	23.7	35.5
87	14.0	10.6	15.8

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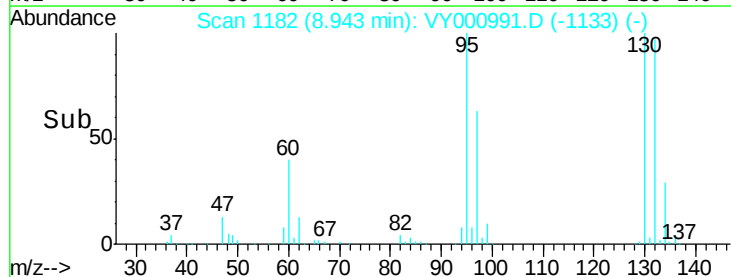
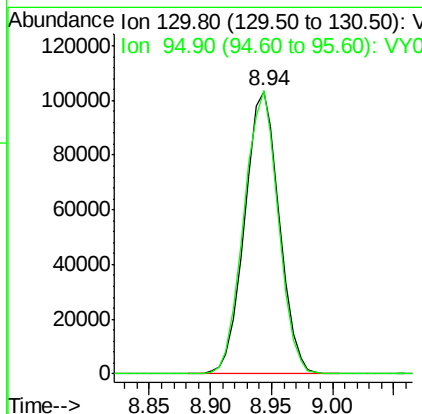
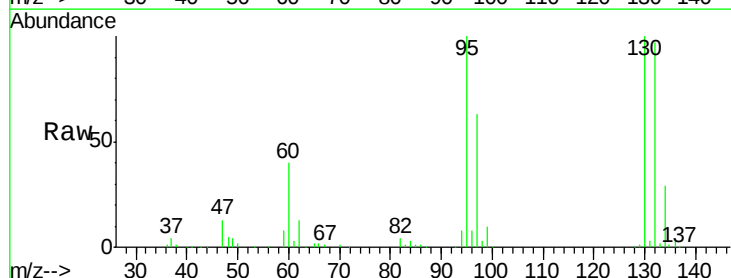
MMDadoda
 12/19/2019 11:10:35 AM

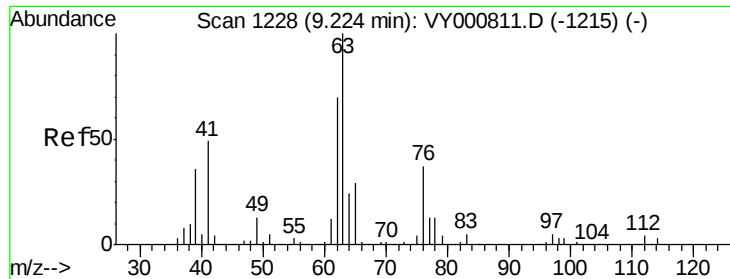


#44

Trichloroethene
 Concen: 53.857 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY000991.D
 Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	207.8





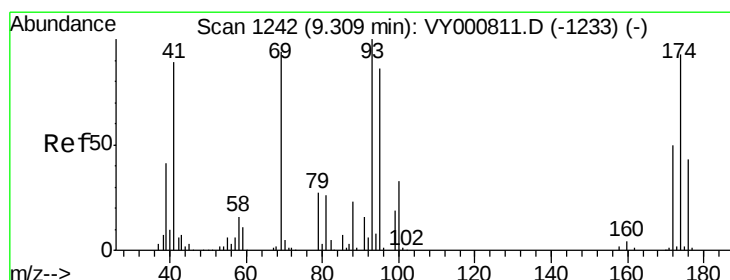
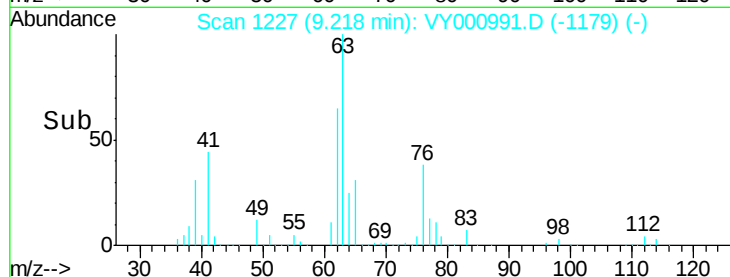
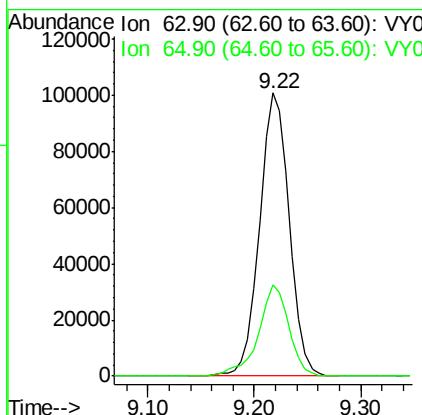
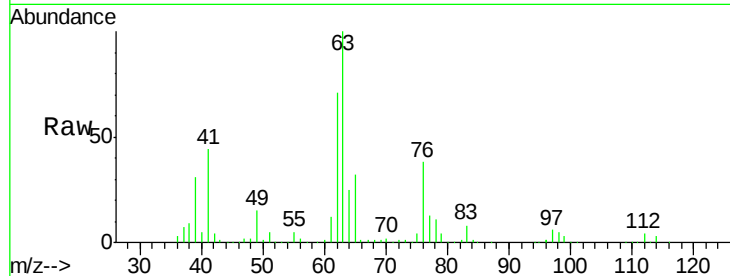
#45
 1,2-Dichloropropane
 Concen: 53.542 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VY000991.D
 Acq: 18 Dec 2019 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	197121		
65	32.2	23.2	34.8	

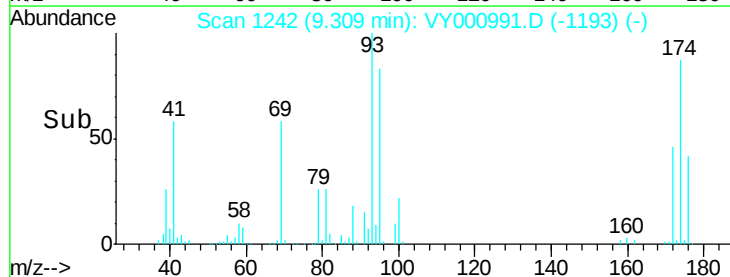
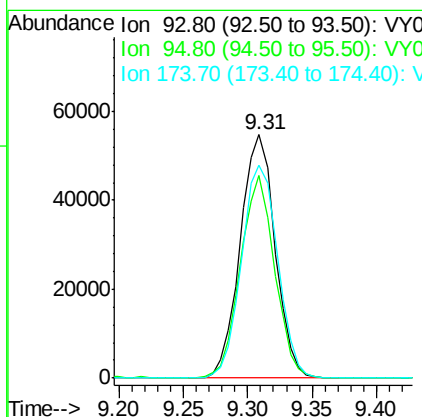
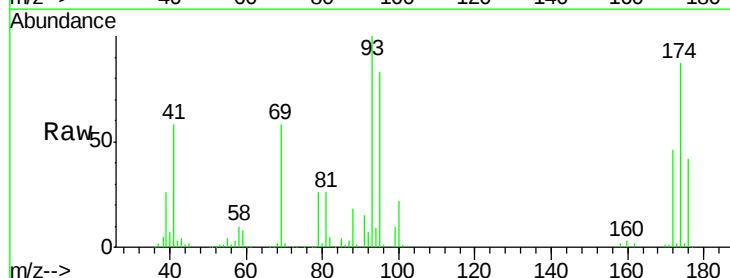
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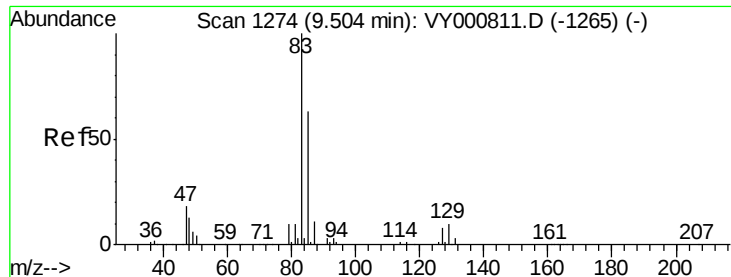
MMDadoda
 12/19/2019 11:10:35 AM



#46
 Dibromomethane
 Concen: 53.312 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY000991.D
 Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	102552		
95	81.9	66.4	99.6	
174	90.7	73.0	109.6	





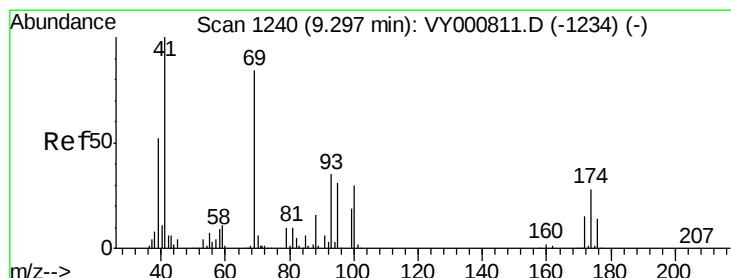
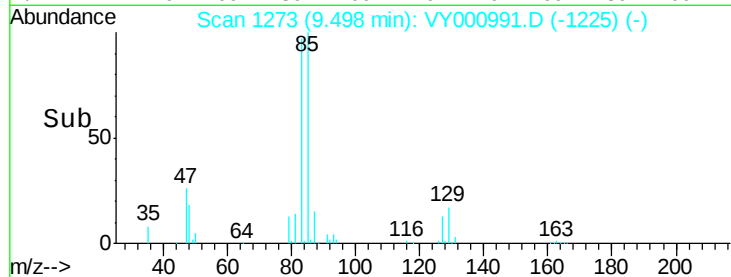
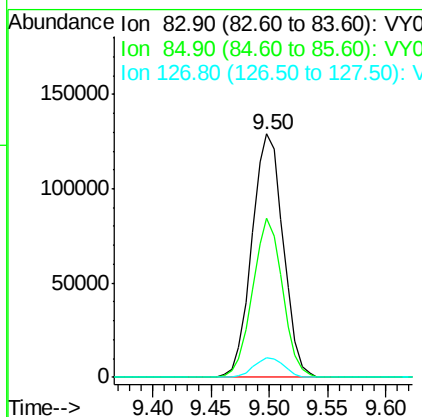
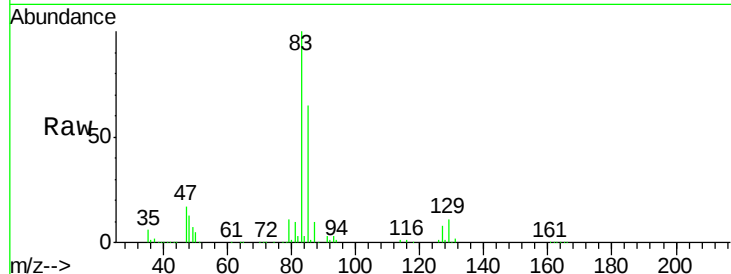
#47
Bromodichloromethane
Concen: 53.649 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	242433		
85	65.2	50.8	76.2	
127	8.2	6.6	10.0	

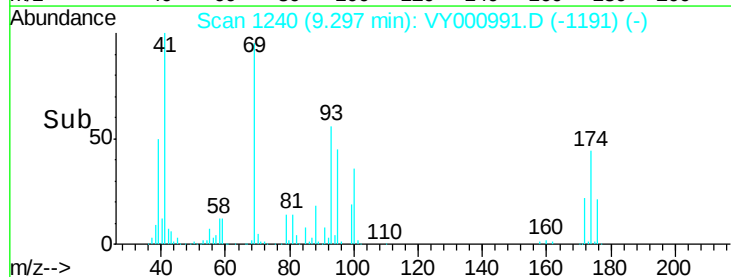
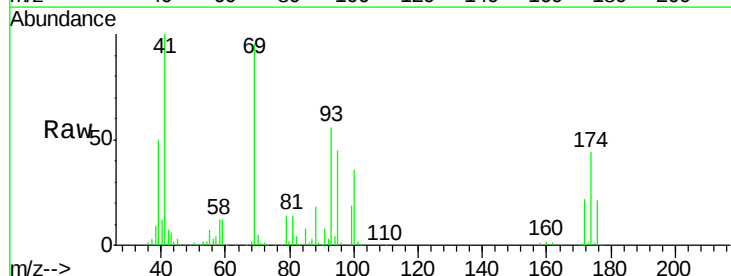
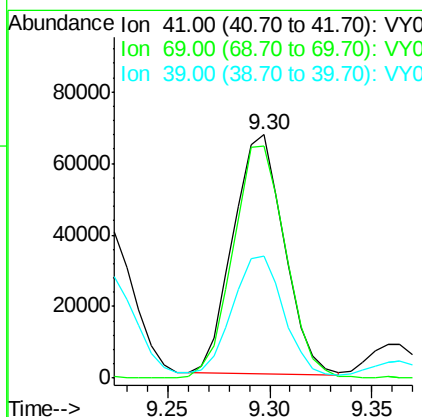
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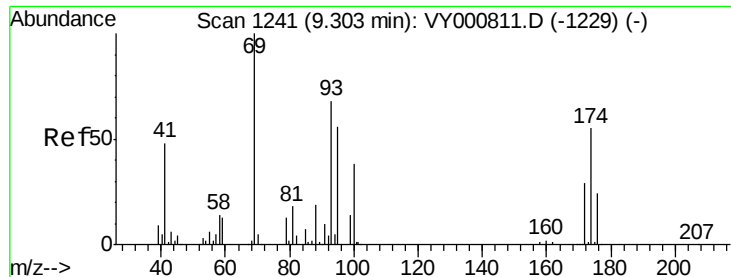
MMDadoda
12/19/2019 11:10:35 AM



#48
Methyl methacrylate
Concen: 48.154 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	115942		
69	100.1	70.4	105.6	
39	49.7	40.9	61.3	





#49

1,4-Dioxane

Concen: 1007.915 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 27472

Ion Ratio Lower Upper

88 100

43 31.1 21.1 31.7

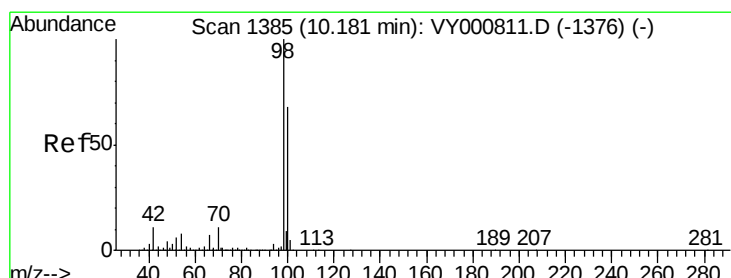
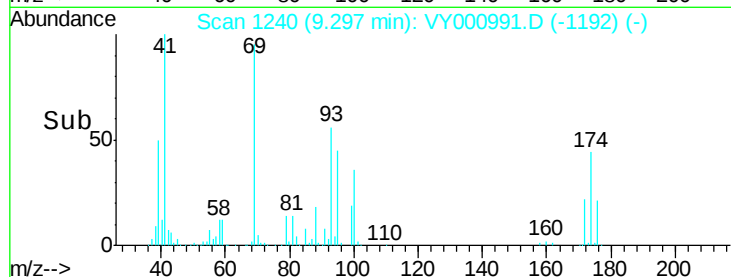
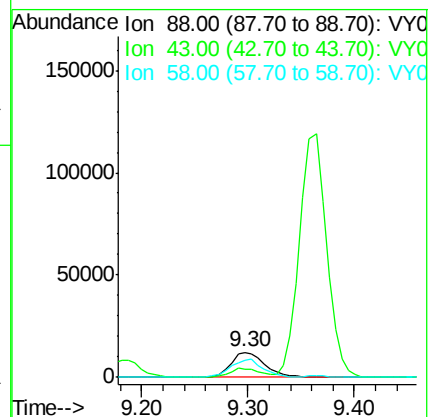
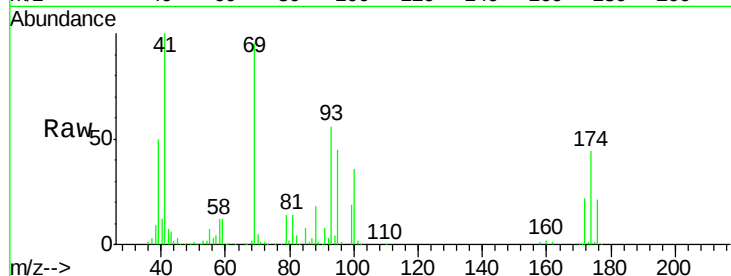
58 68.5 50.7 76.1

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#50

Toluene-d8

Concen: 49.294 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000991.D

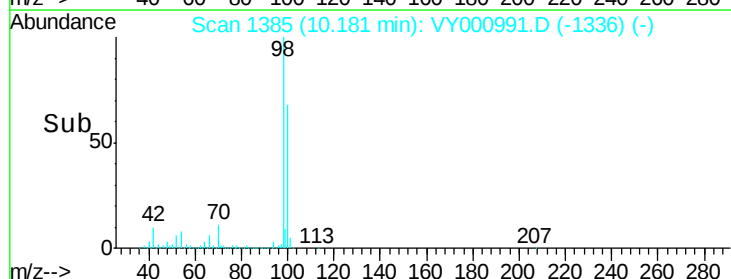
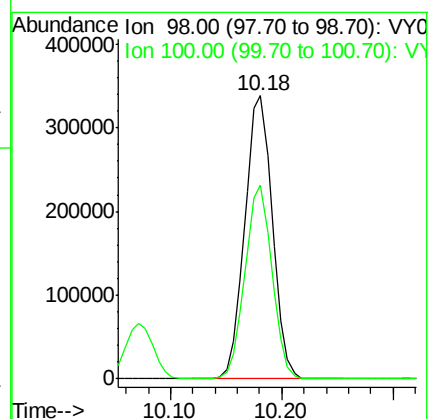
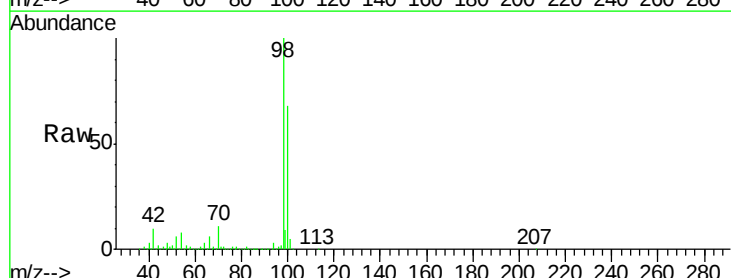
Acq: 18 Dec 2019 11:33

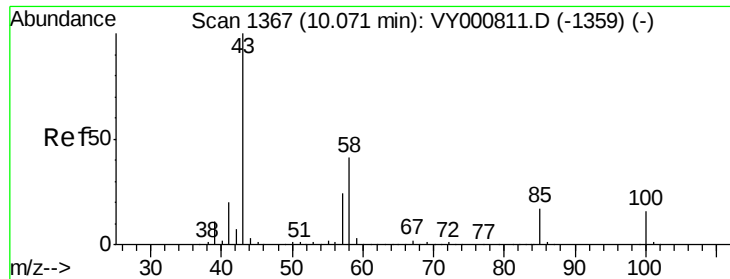
Tgt Ion: 98 Resp: 581254

Ion Ratio Lower Upper

98 100

100 66.9 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 250.990 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 710049

Ion Ratio Lower Upper

43 100

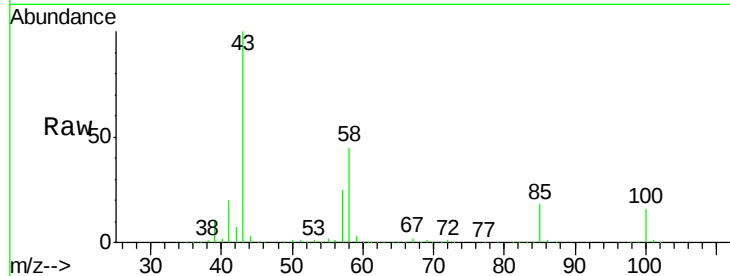
58 43.0 33.1 49.7

Manual Integrations

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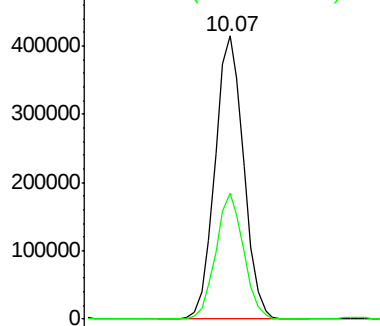
MMDadoda

12/19/2019 11:10:35 AM

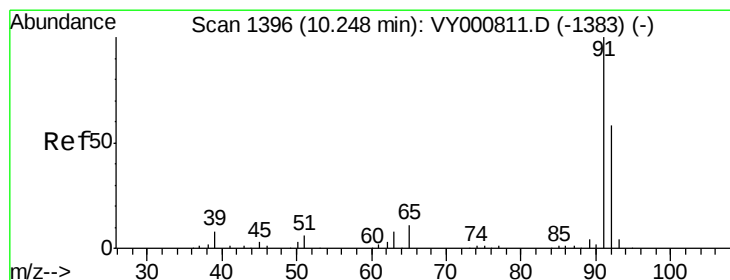
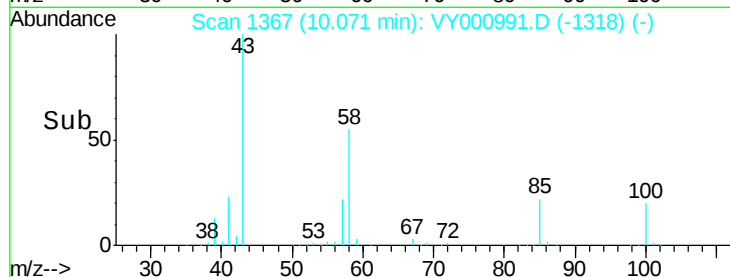


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#52

Toluene

Concen: 53.249 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000991.D

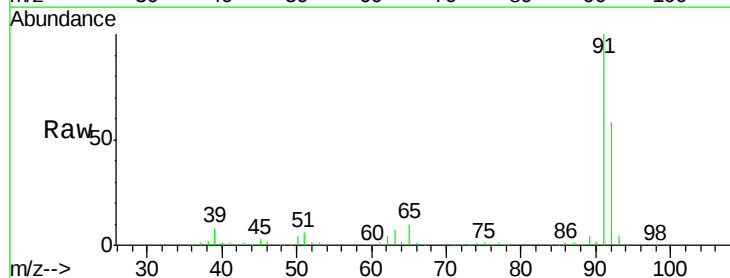
Acq: 18 Dec 2019 11:33

Tgt Ion: 92 Resp: 483241

Ion Ratio Lower Upper

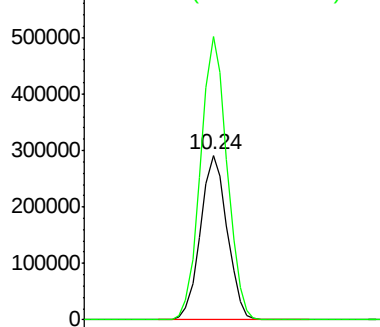
92 100

91 171.1 136.6 204.8

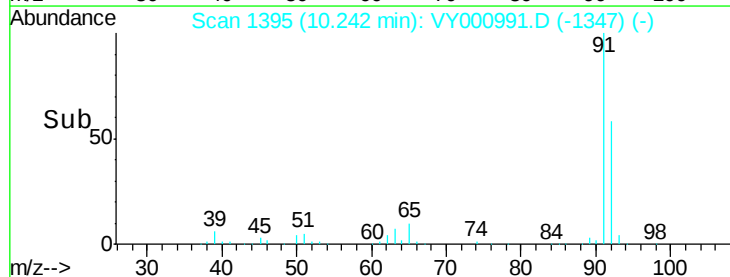


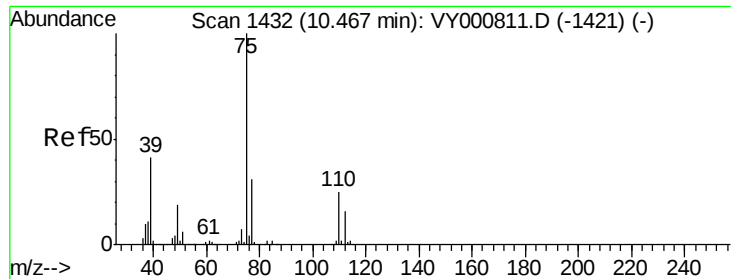
Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0



Time-->





#53

t-1,3-Dichloropropene

Concen: 54.138 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 262836

Ion Ratio Lower Upper

75 100

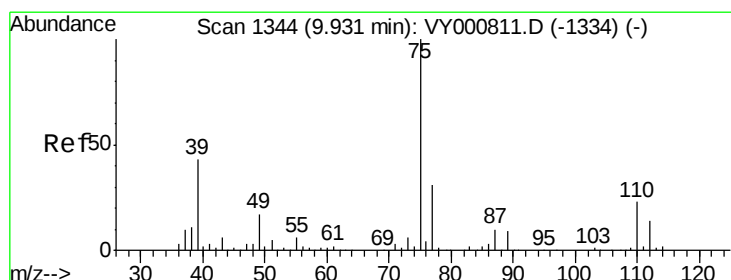
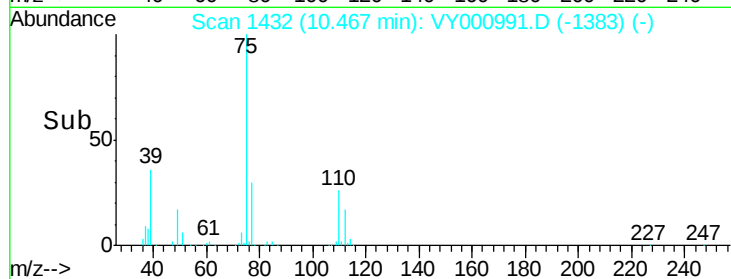
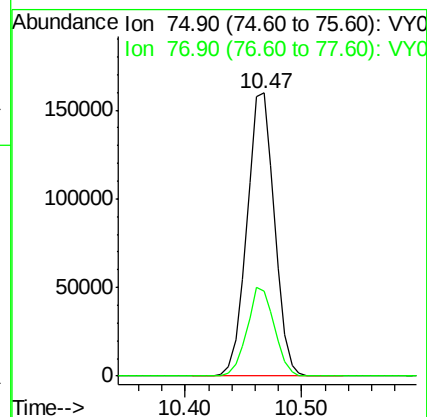
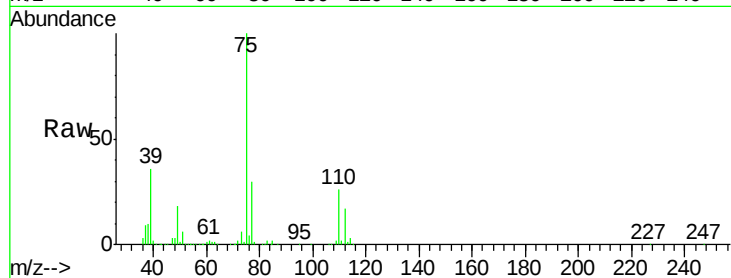
77 30.0 25.1 37.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 54.419 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

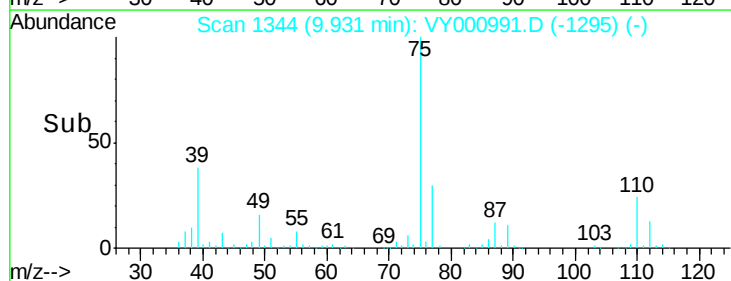
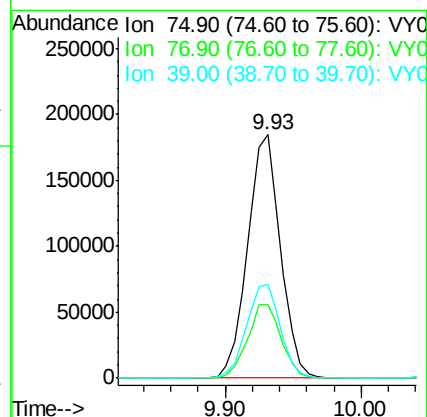
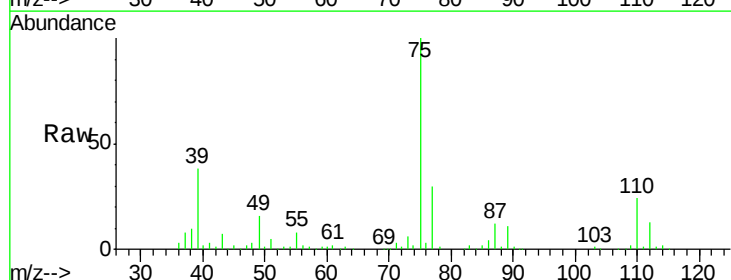
Tgt Ion: 75 Resp: 312286

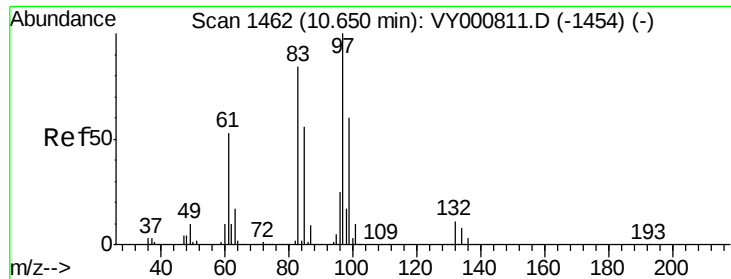
Ion Ratio Lower Upper

75 100

77 30.3 24.7 37.1

39 38.2 34.5 51.7





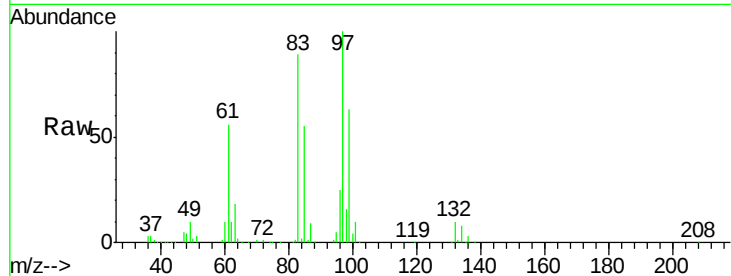
#55
 1,1,2-Trichloroethane
 Concen: 53.560 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY000991.D
 Acq: 18 Dec 2019 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

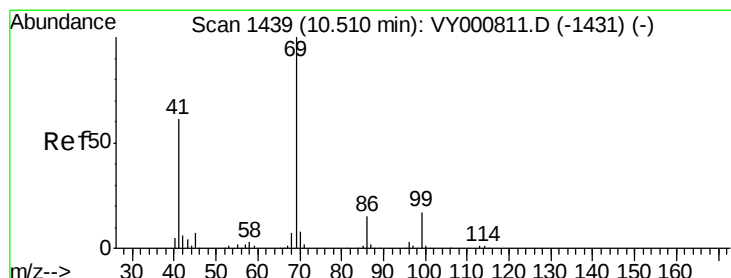
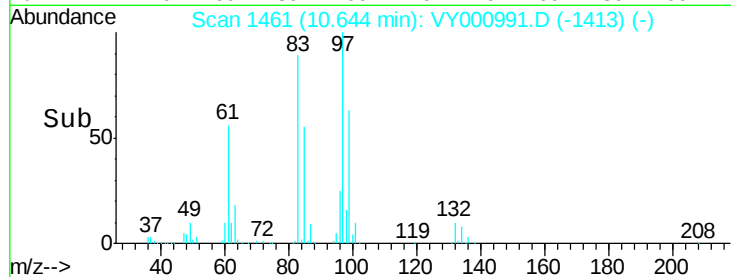
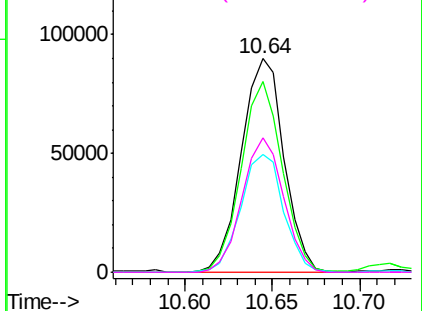
Tot Ion:	97	Resp:	152220
Ion	Ratio	Lower	Upper
97	100		
83	89.3	67.5	101.3
85	55.3	44.5	66.7
99	63.1	47.7	71.5

Manual Integrations
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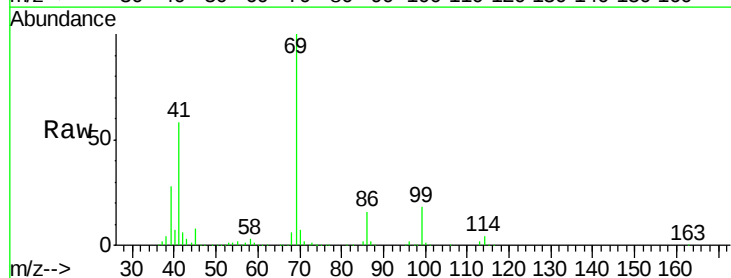


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

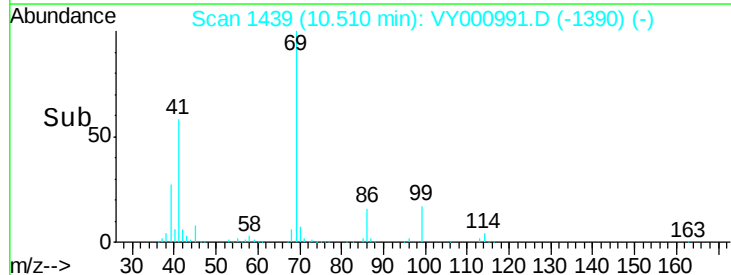
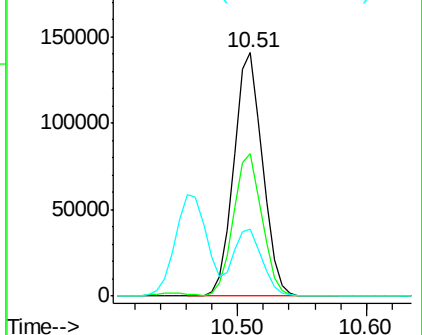


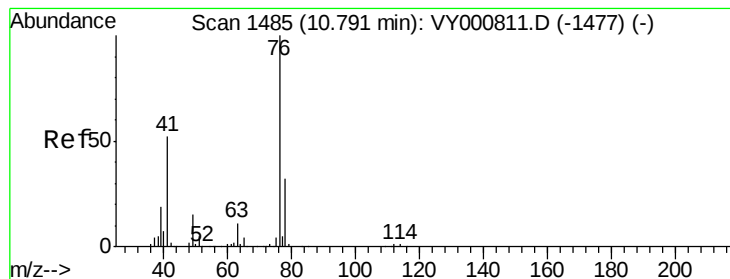
#56
 Ethyl methacrylate
 Concen: 53.533 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000991.D
 Acq: 18 Dec 2019 11:33

Tgt Ion:	69	Resp:	217645
Ion	Ratio	Lower	Upper
69	100		
41	58.4	49.0	73.6
39	28.3	23.1	34.7



Abundance Ion 69.00 (68.70 to 69.70): VY0
 Ion 41.00 (40.70 to 41.70): VY0
 Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 54.216 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 268550

Ion Ratio Lower Upper

76 100

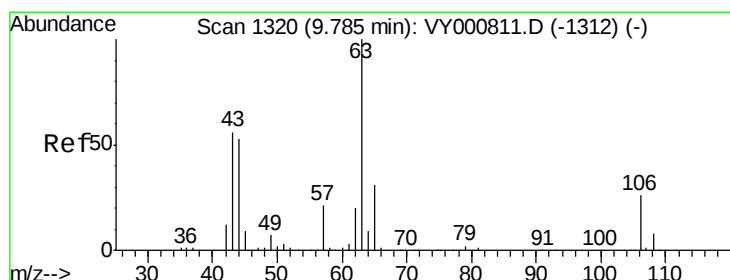
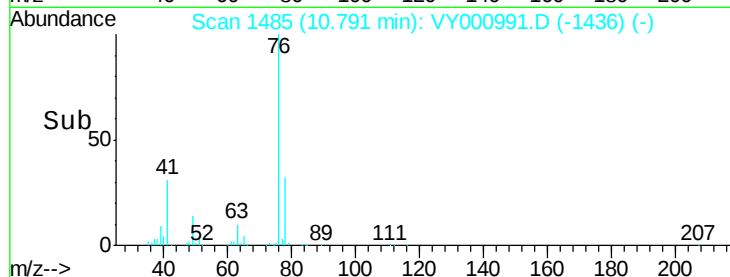
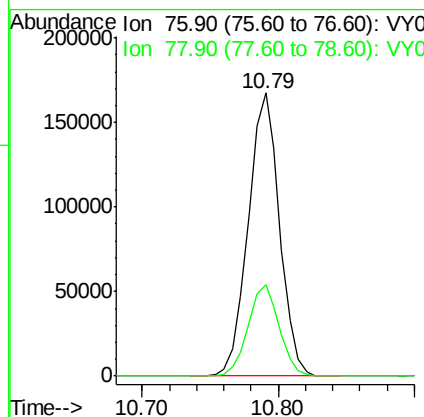
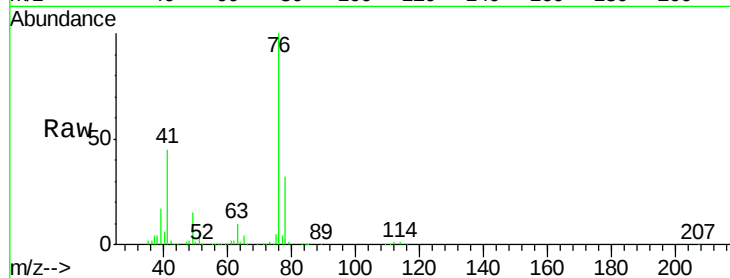
78 32.3 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 231.702 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY000991.D

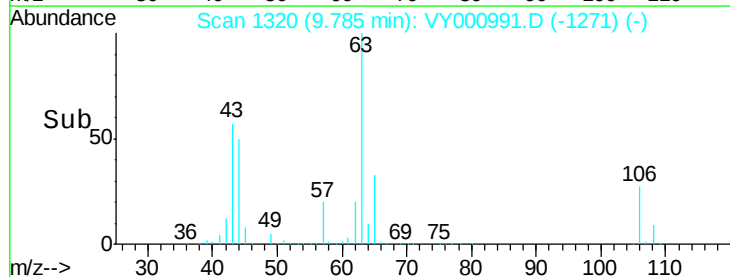
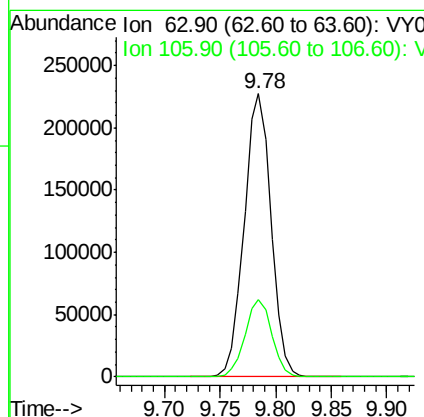
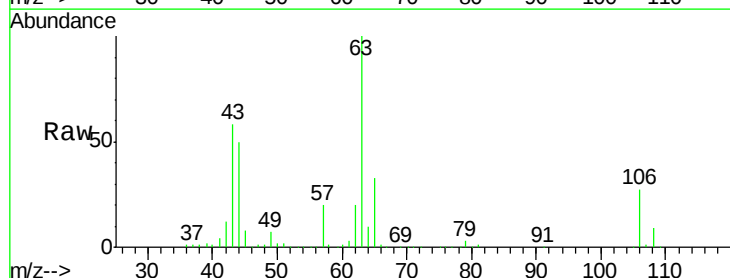
Acq: 18 Dec 2019 11:33

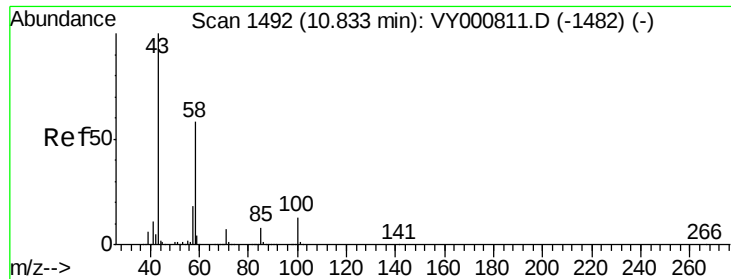
Tgt Ion: 63 Resp: 379831

Ion Ratio Lower Upper

63 100

106 27.3 21.5 32.3





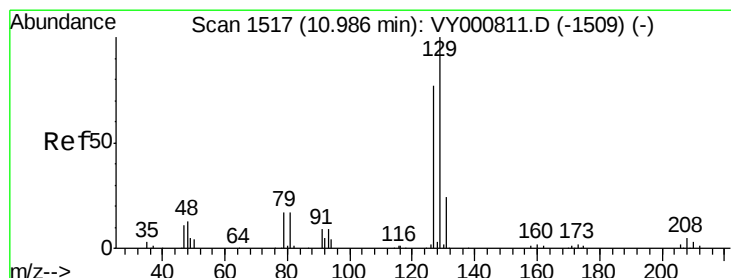
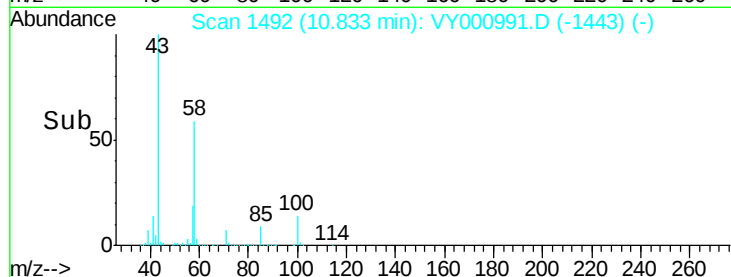
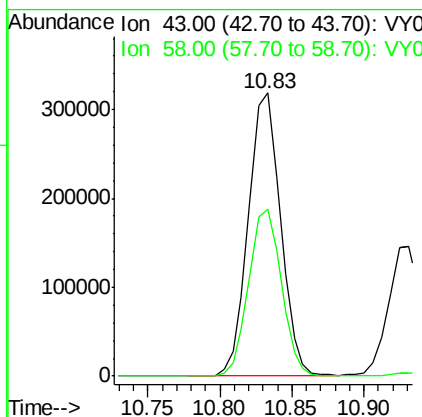
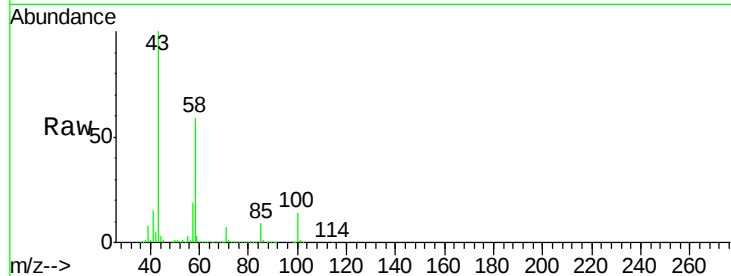
#59
2-Hexanone
Concen: 239.485 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.8	29.0	87.1

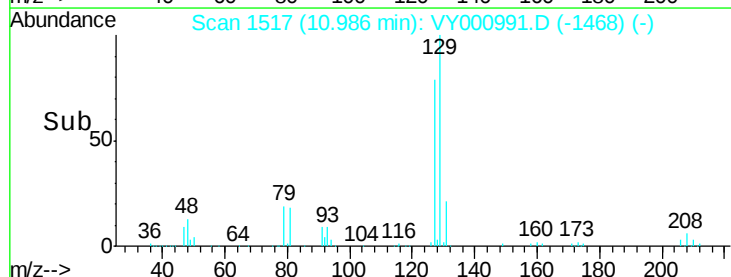
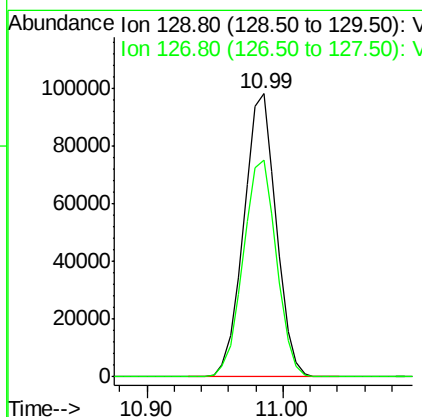
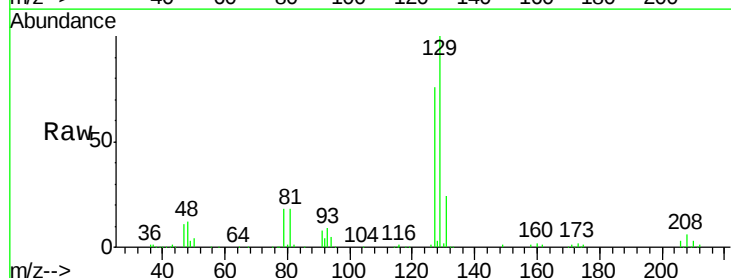
Manual Integrations
APPROVED

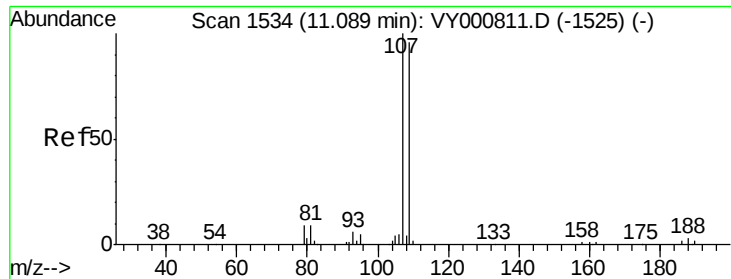
MMDadoda
12/19/2019 11:10:35 AM



#60
Dibromochloromethane
Concen: 53.571 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.2





#61

1,2-Dibromoethane

Concen: 54.192 ug/l

RT: 11.08 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 145149

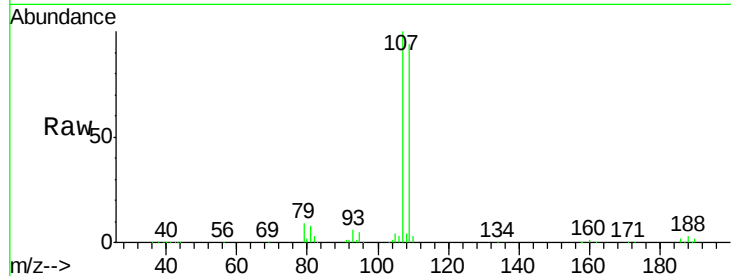
Ion Ratio Lower Upper

107 100

109 93.9 75.9 113.9

Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:10:35 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.08

80000

60000

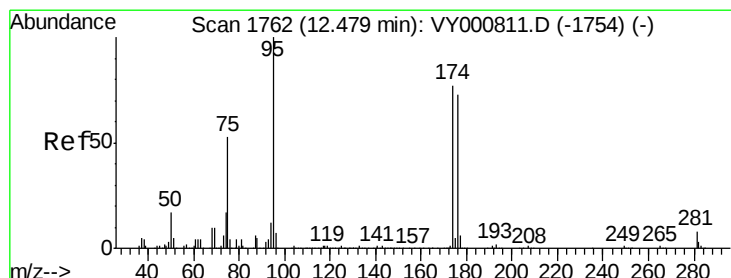
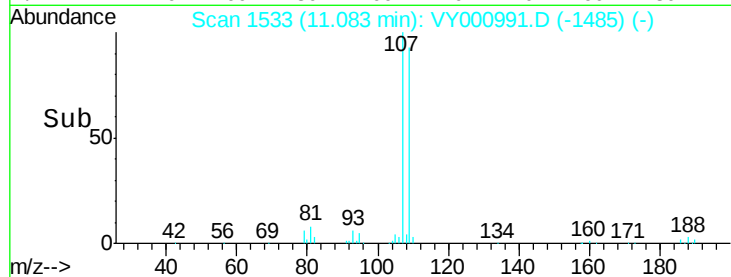
40000

20000

0

Time-->

11.00 11.10



#62

4-Bromofluorobenzene

Concen: 44.849 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

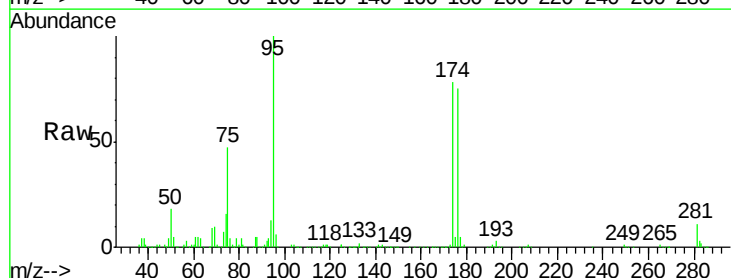
Tgt Ion: 95 Resp: 198607

Ion Ratio Lower Upper

95 100

174 78.8 0.0 150.6

176 75.4 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

150000

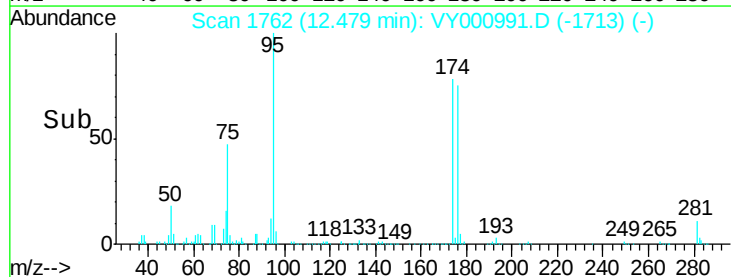
100000

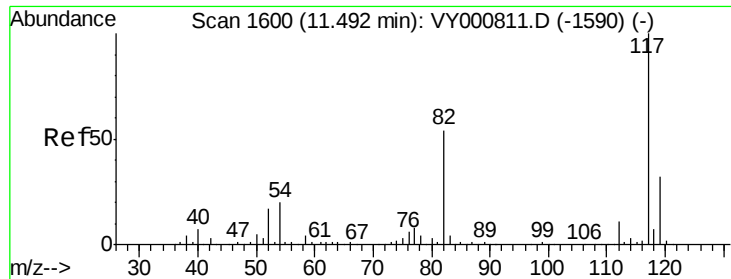
50000

0

Time-->

12.40 12.45 12.50 12.55





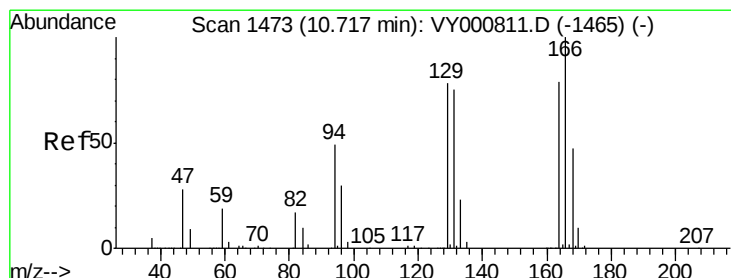
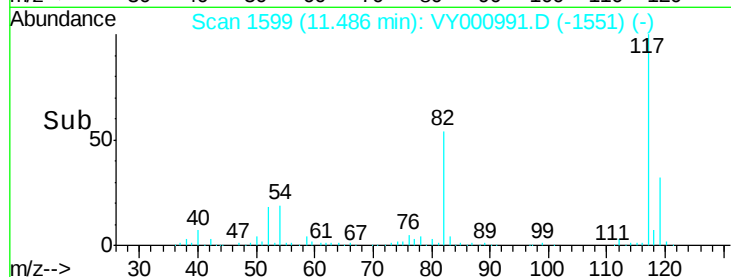
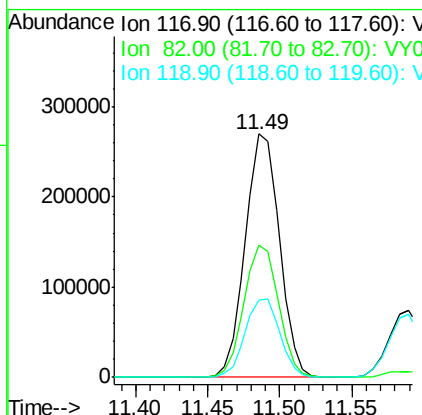
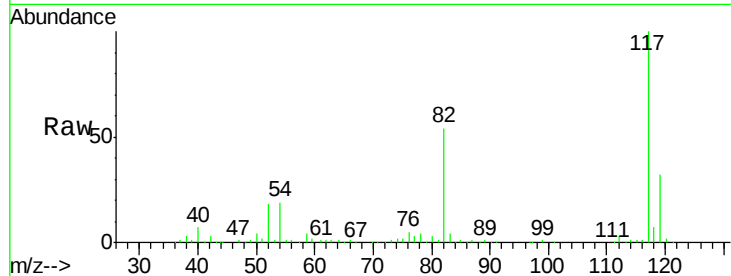
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.1	64.7
119	32.0	25.3	37.9

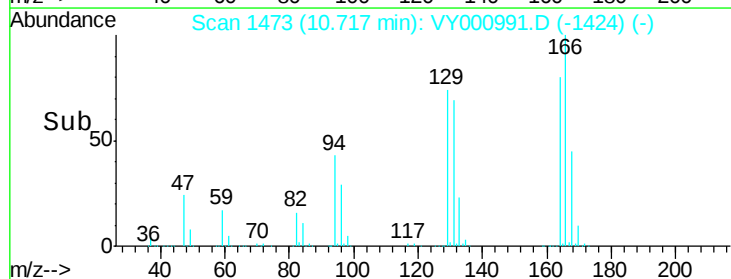
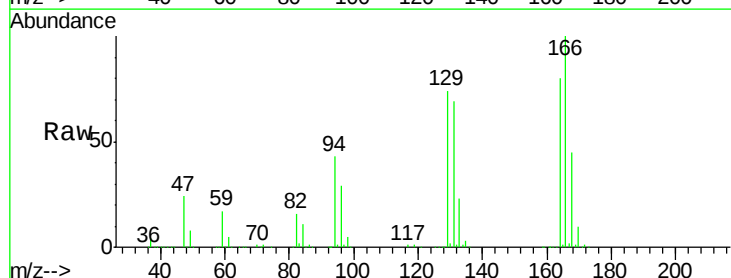
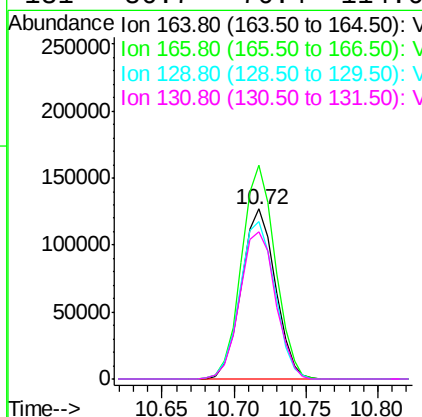
Manual Integrations
APPROVED

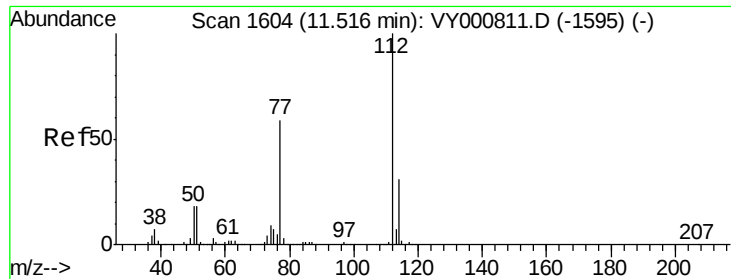
MMDadoda
12/19/2019 11:10:35 AM



#64
Tetrachloroethene
Concen: 53.798 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	101.8	152.8
129	92.9	79.3	118.9
131	86.7	76.4	114.6





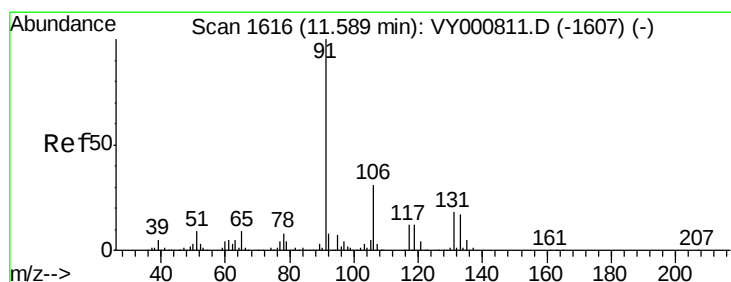
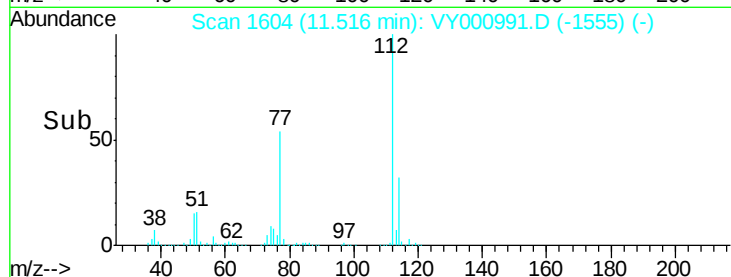
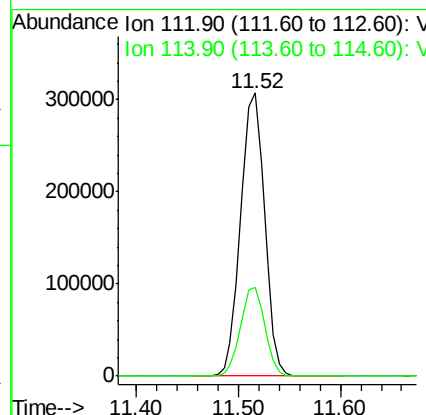
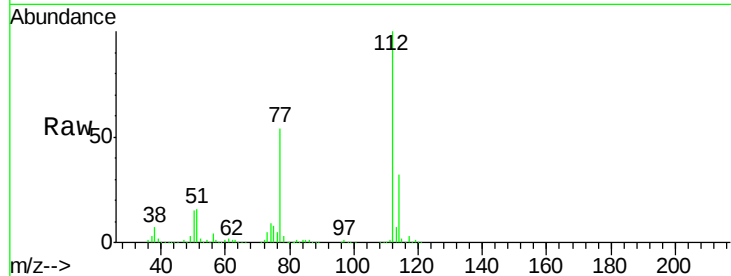
#65
Chlorobenzene
Concen: 54.072 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	499284		
114	31.5	25.1	37.7	

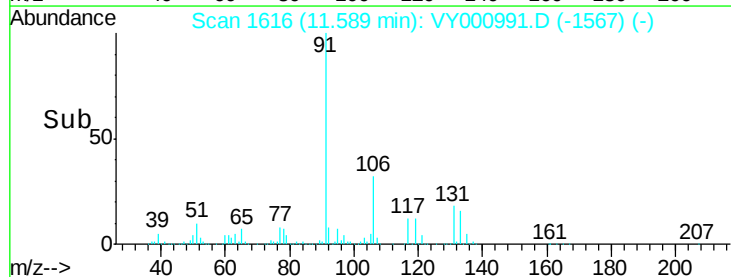
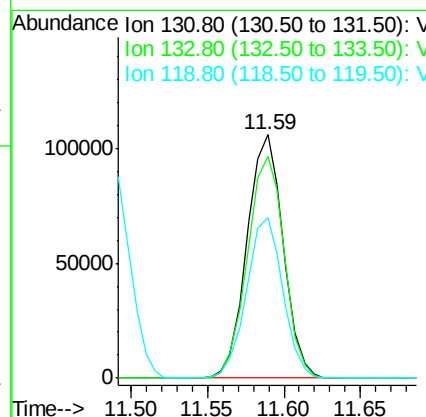
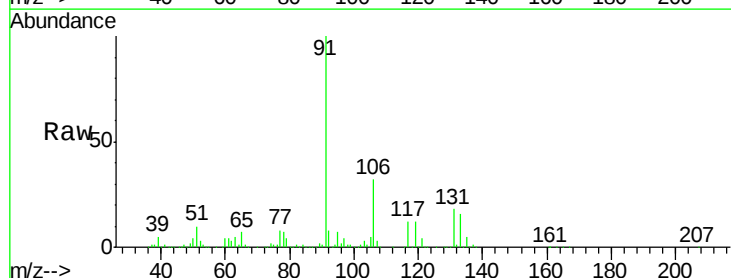
Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:10:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.872 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	173861		
133	93.0	47.4	142.2	
119	66.4	33.8	101.3	





#67

Ethyl Benzene

Concen: 53.977 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 928221

Ion Ratio Lower Upper

91 100

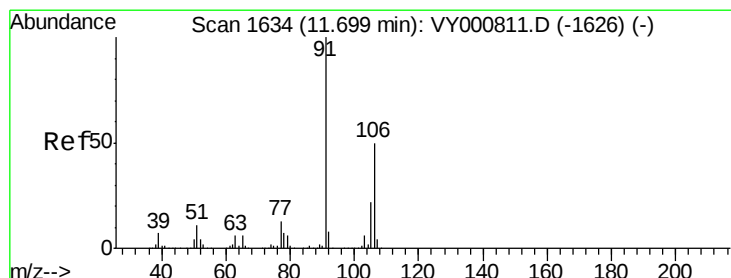
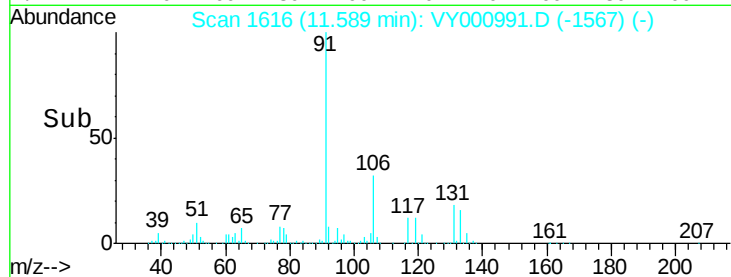
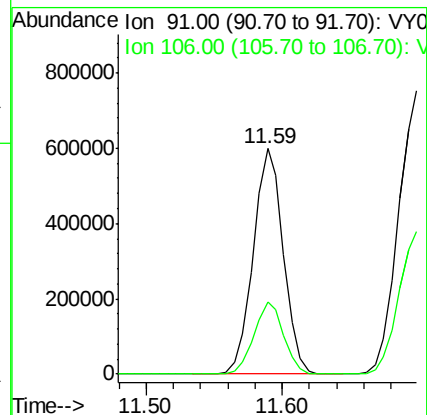
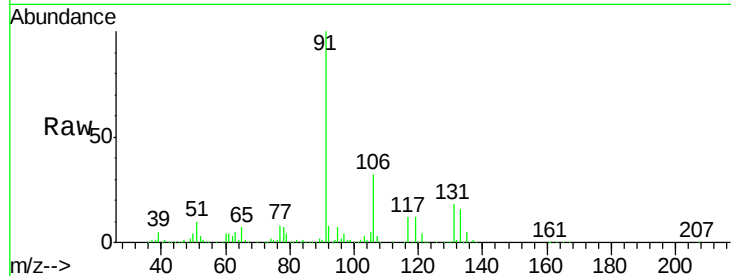
106 31.8 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

12/19/2019 11:10:35 AM



#68

m/p-Xylenes

Concen: 107.793 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000991.D

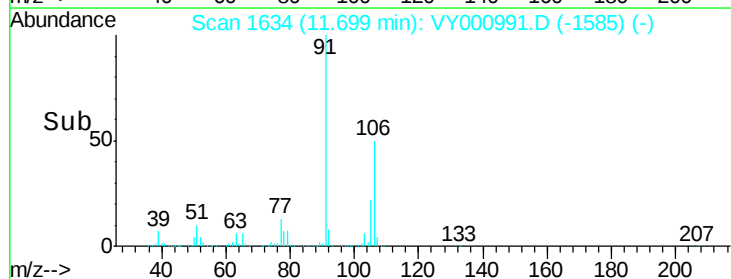
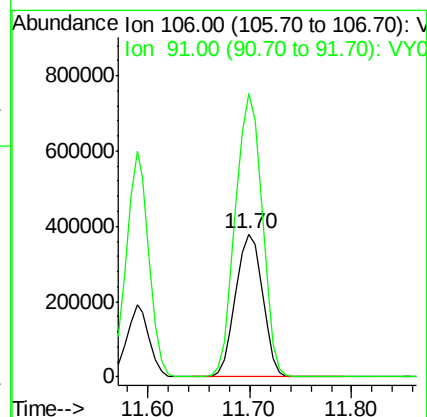
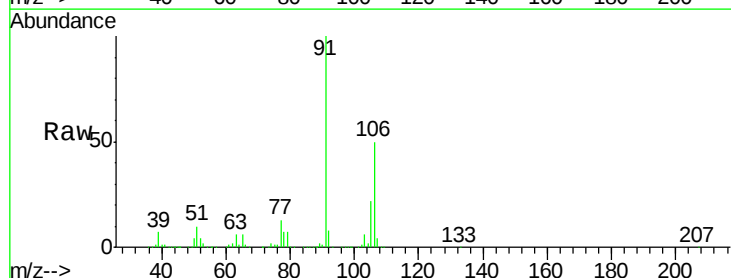
Acq: 18 Dec 2019 11:33

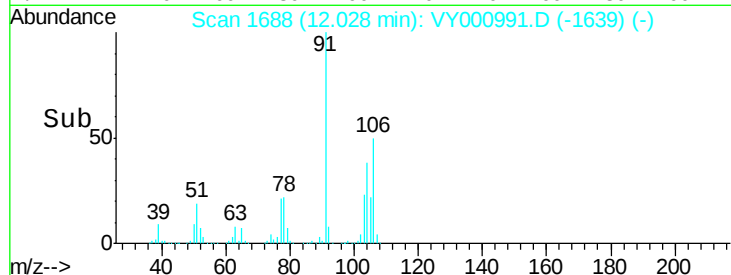
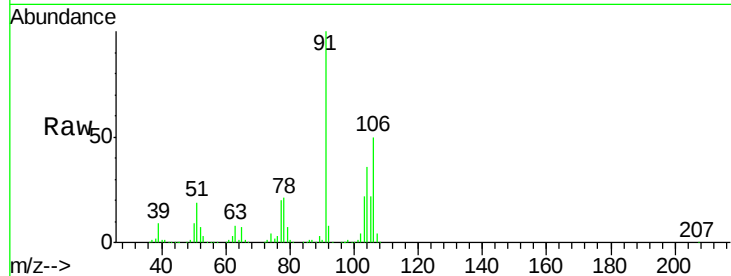
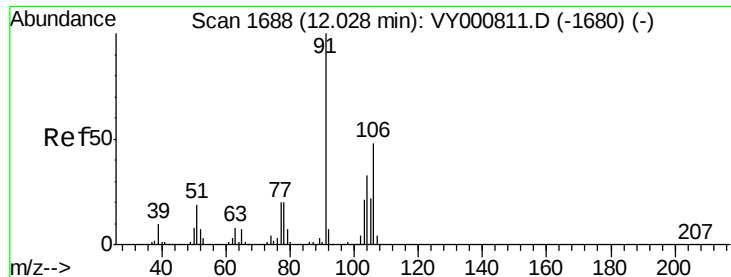
Tgt Ion: 106 Resp: 695764

Ion Ratio Lower Upper

106 100

91 196.7 159.6 239.4





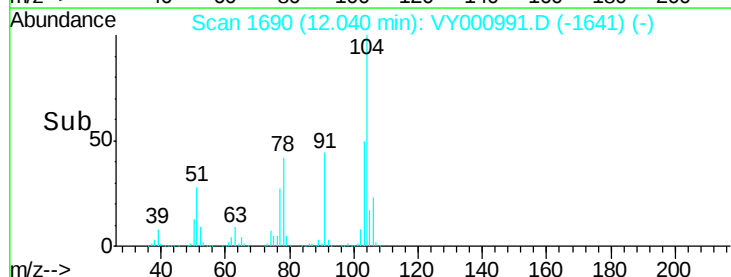
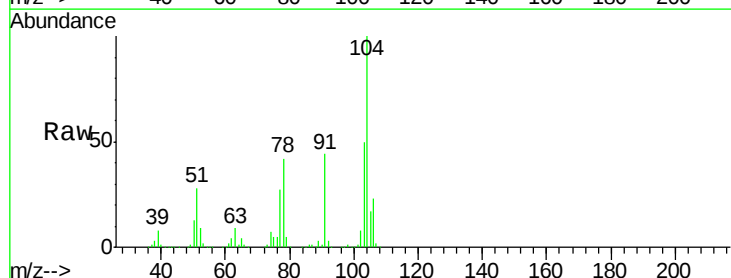
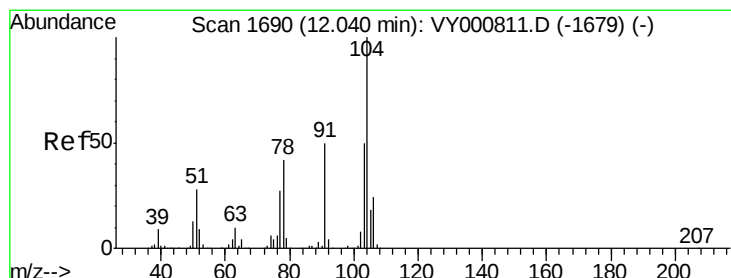
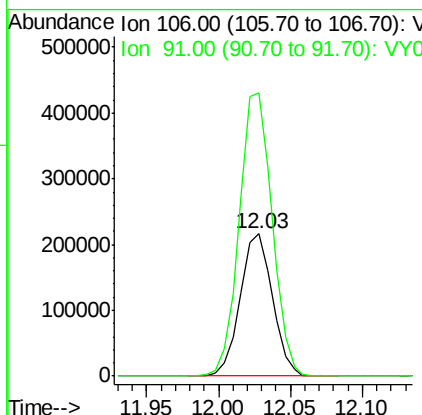
#69
o-Xylene
Concen: 55.850 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tot Ion	Ratio	Resp	Lower	Upper
106	100	336121		
91	202.7	106.1	318.1	

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

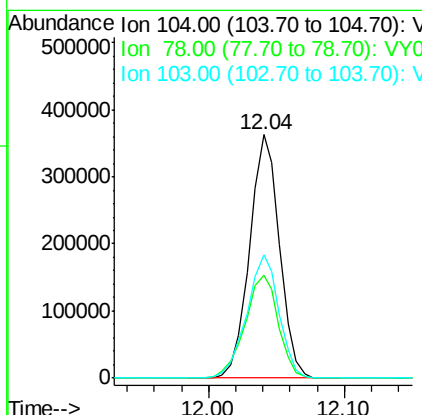
Manual Integrations
APPROVED

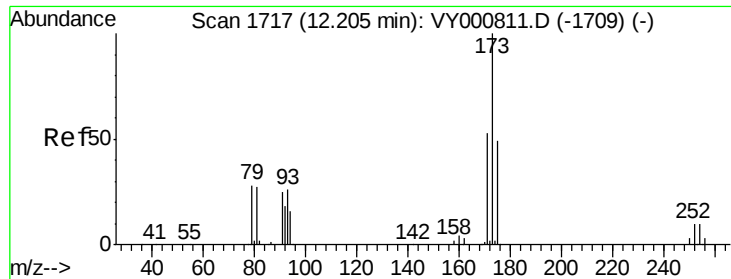
MMDadoda
12/19/2019 11:10:35 AM



#70
Styrene
Concen: 54.217 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	558712		
78	46.9	38.2	57.4	
103	54.4	43.4	65.0	





#71

Bromoform

Concen: 55.771 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 97879

Ion Ratio Lower Upper

173 100

175 47.2 24.5 73.5

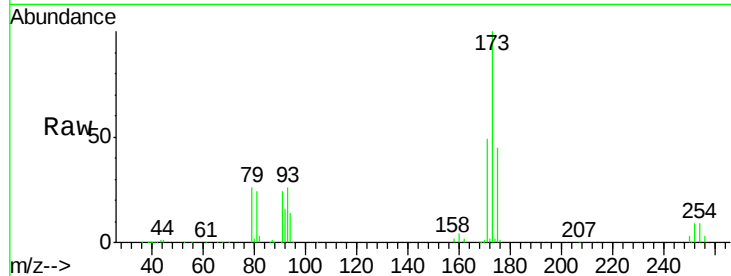
254 0.0 0.0 0.0

Manual Integrations

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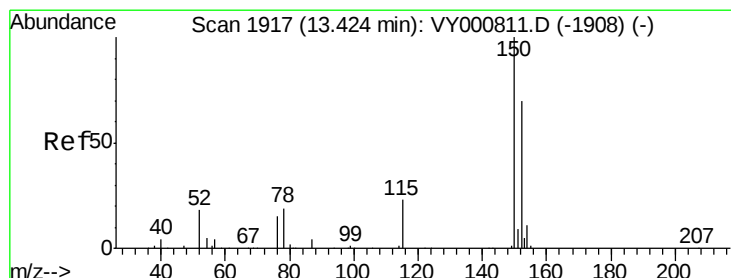
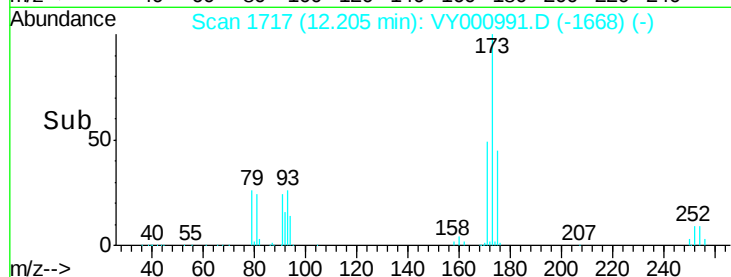
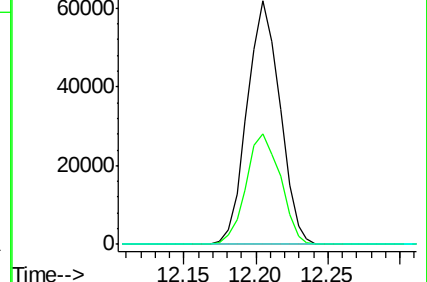
12/19/2019 11:10:35 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

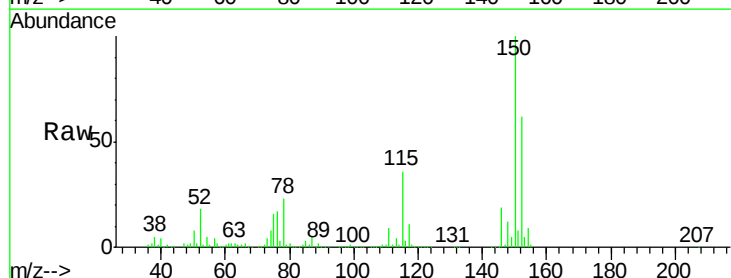
Tgt Ion:152 Resp: 204320

Ion Ratio Lower Upper

152 100

115 59.4 29.3 87.8

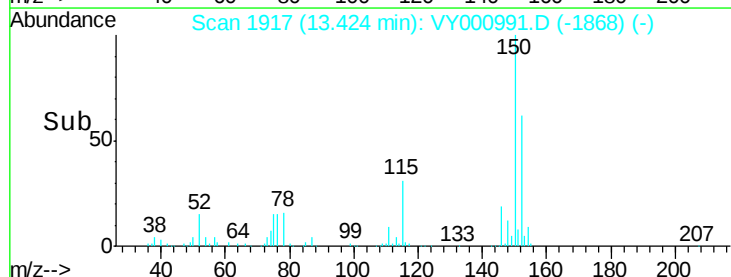
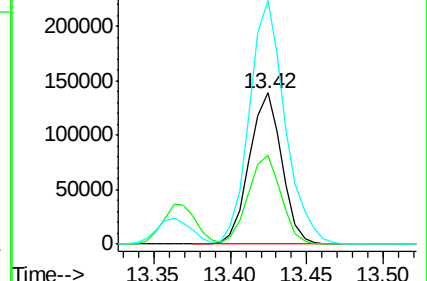
150 177.3 0.0 351.2

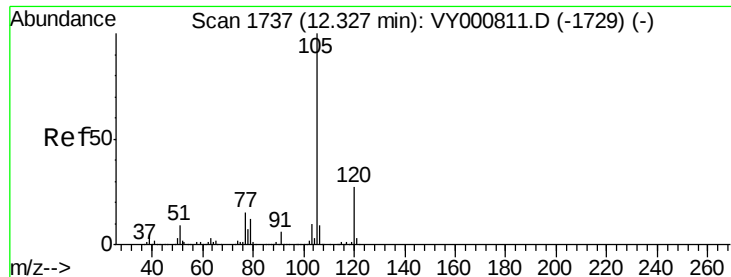


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.344 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 884097

Ion Ratio Lower Upper

105 100

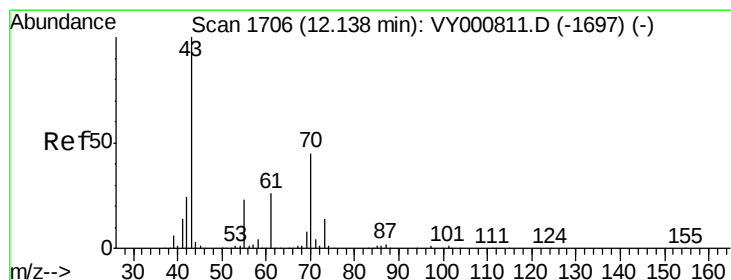
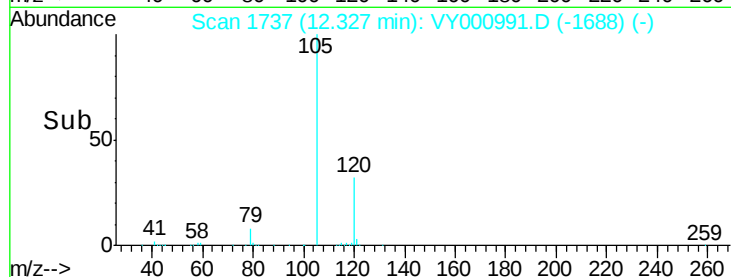
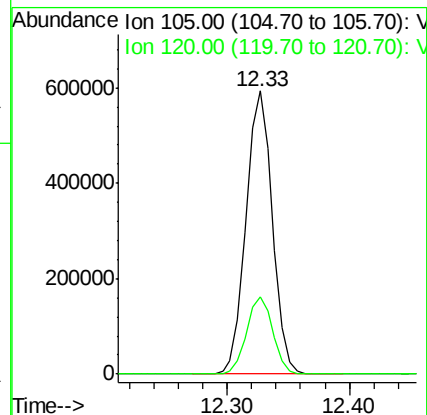
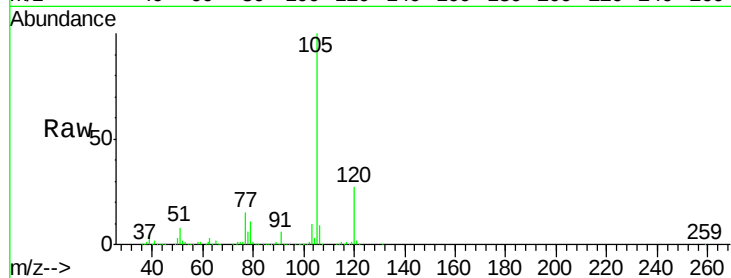
120 27.2 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.178 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Tgt Ion: 43 Resp: 222682

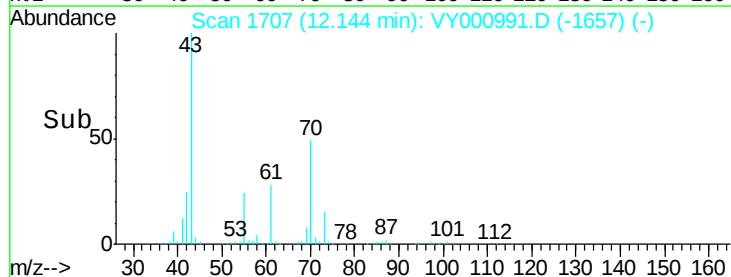
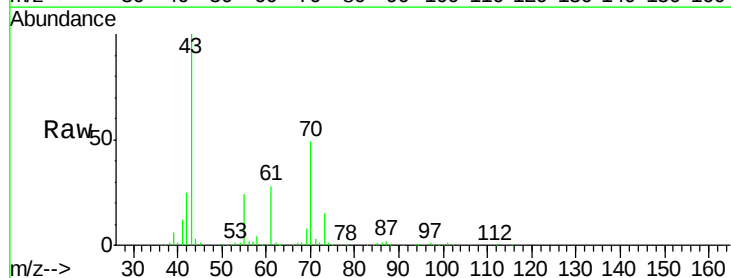
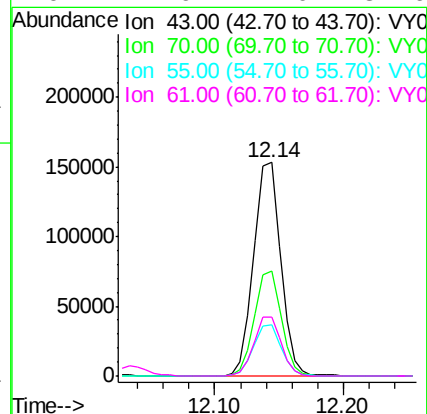
Ion Ratio Lower Upper

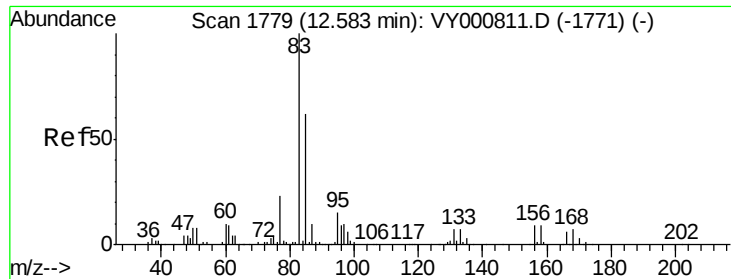
43 100

70 48.8 36.6 54.8

55 24.9 18.8 28.2

61 27.9 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.178 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

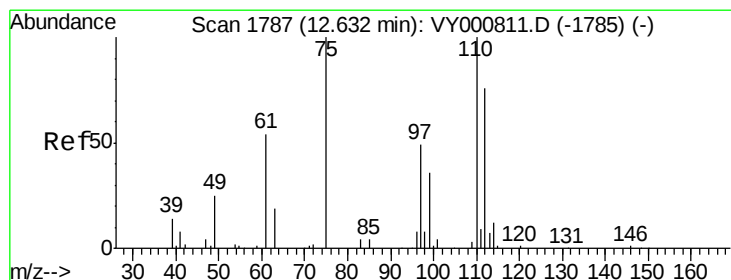
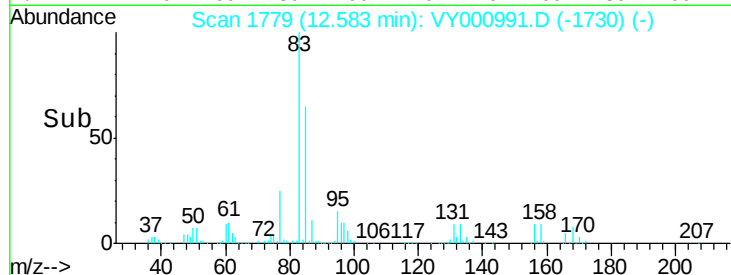
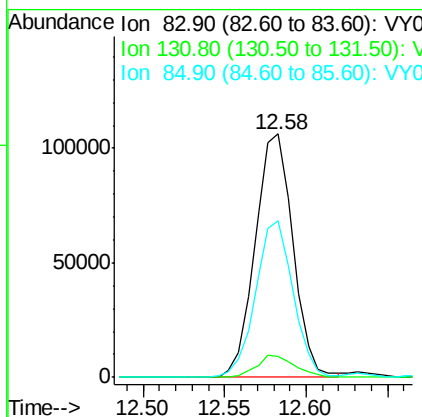
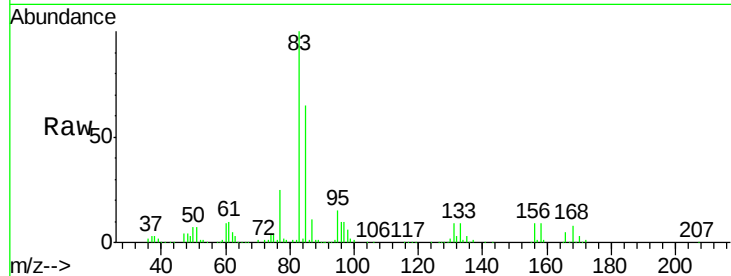
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	170462
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.3	13.1
85	64.0	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 50.663 ug/l m

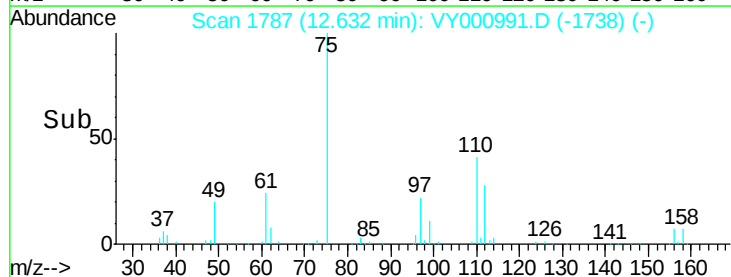
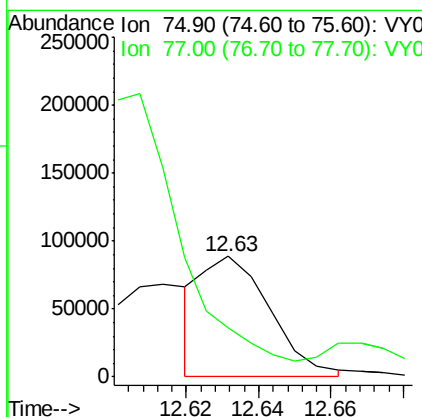
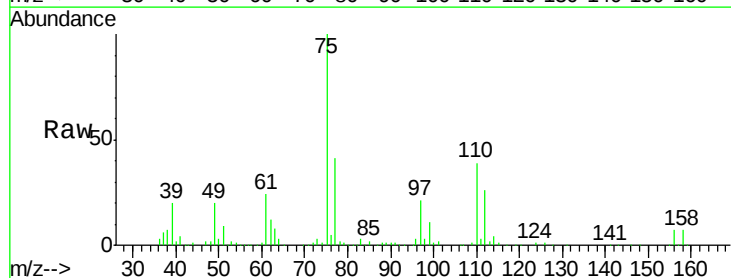
RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Tgt Ion:	75	Resp:	117281
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





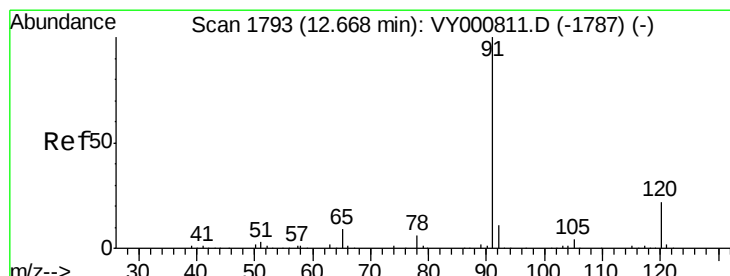
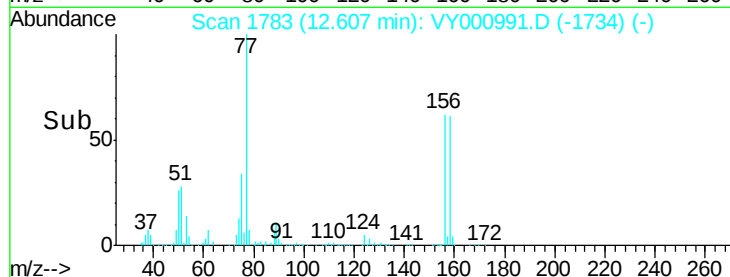
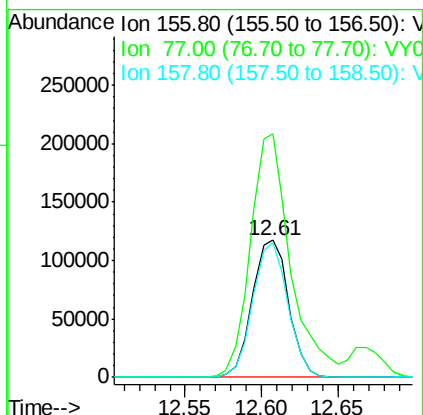
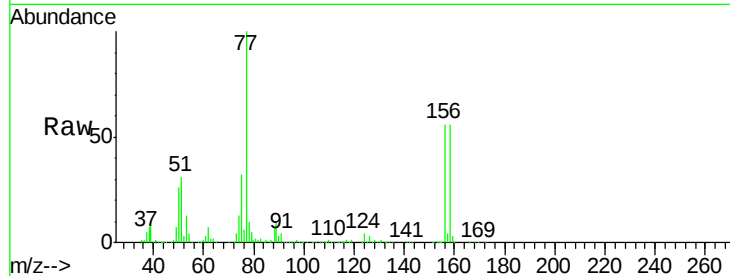
#77
Bromobenzene
Concen: 55.088 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	195.8	102.6	307.7
158	95.0	47.6	142.8

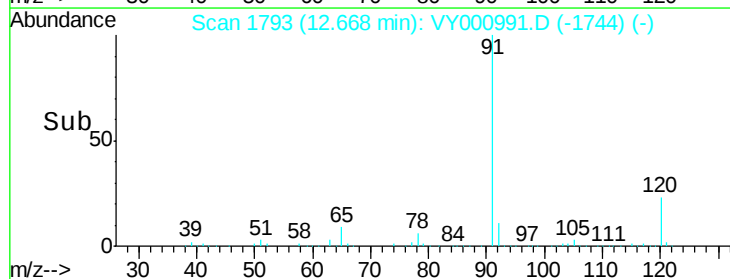
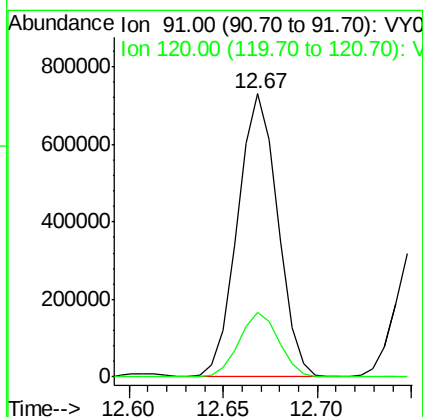
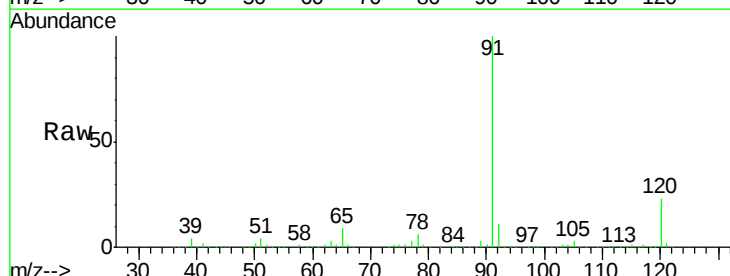
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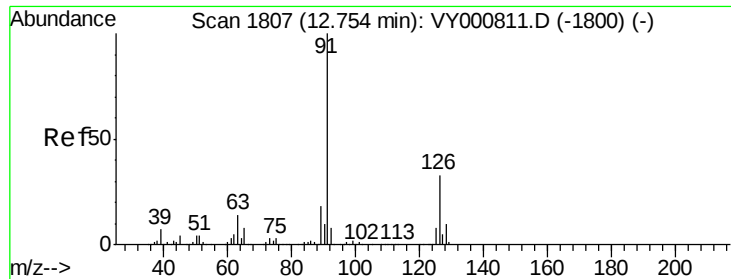
MMDadoda
12/19/2019 11:10:35 AM



#78
n-propylbenzene
Concen: 54.399 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 53.004 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 581663

Ion Ratio Lower Upper

91 100

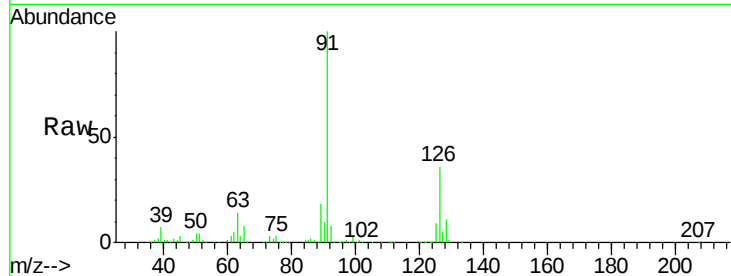
126 35.3 17.0 51.0

Manual Integrations

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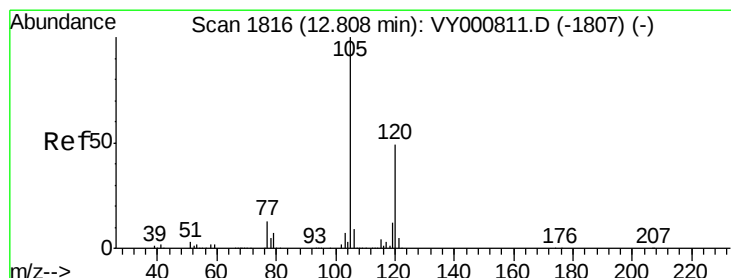
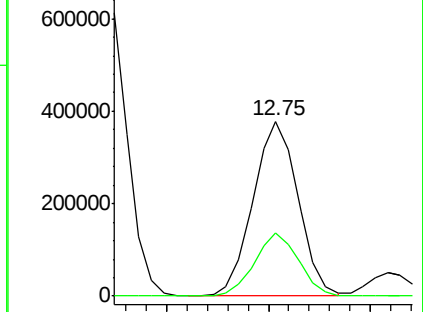
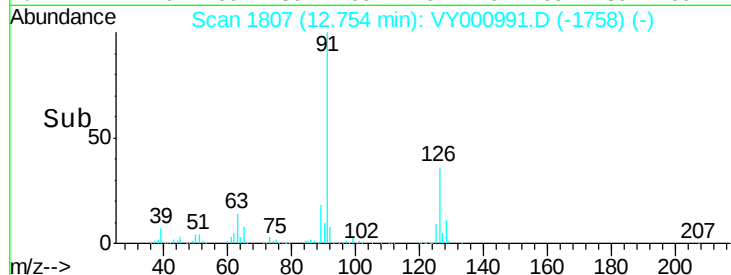
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VY000991.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY000991.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.660 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000991.D

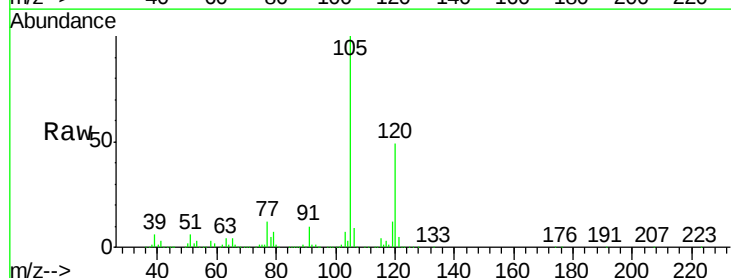
Acq: 18 Dec 2019 11:33

Tgt Ion: 105 Resp: 722793

Ion Ratio Lower Upper

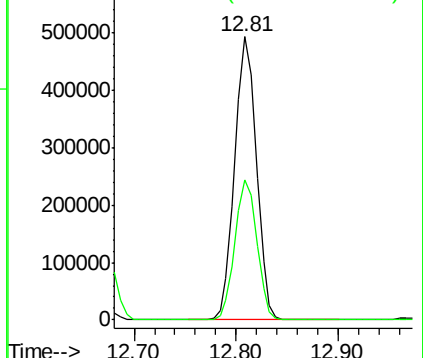
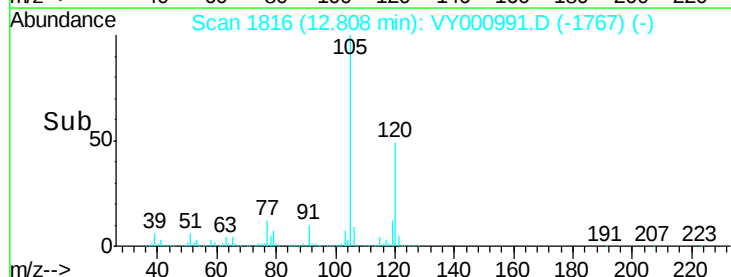
105 100

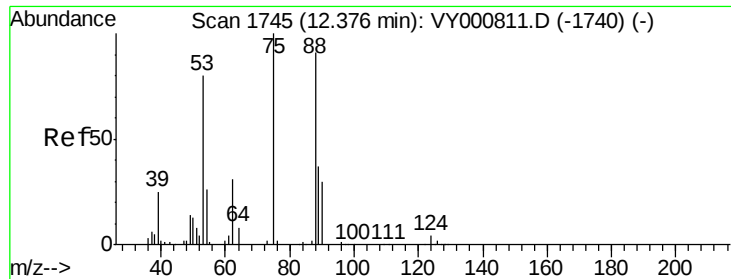
120 49.8 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VY000991.D (-1767) (-)

Ion 120.00 (119.70 to 120.70): VY000991.D (-1767) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.375 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

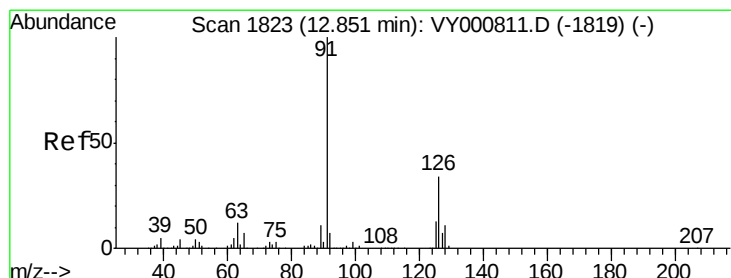
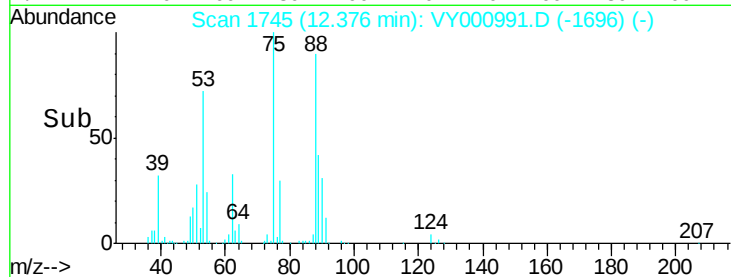
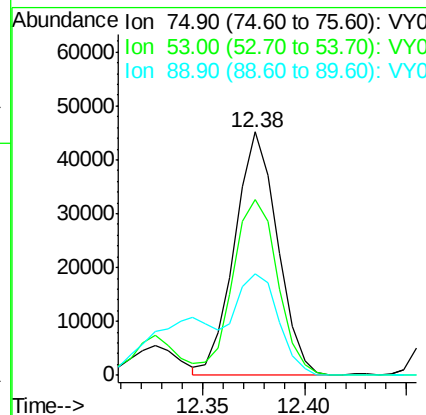
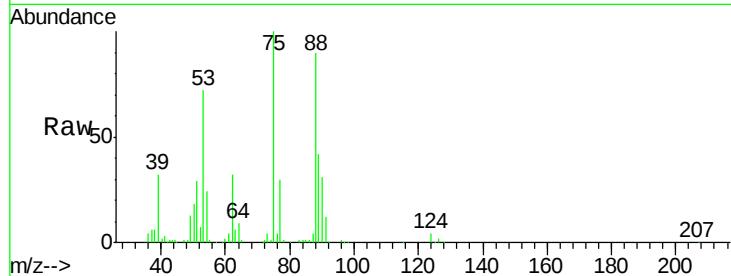
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	65260
Ion Ratio	Lower	Upper	
75	100		
53	77.1	64.6	96.8
89	43.0	33.6	50.4

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#82

4-Chlorotoluene

Concen: 53.696 ug/l

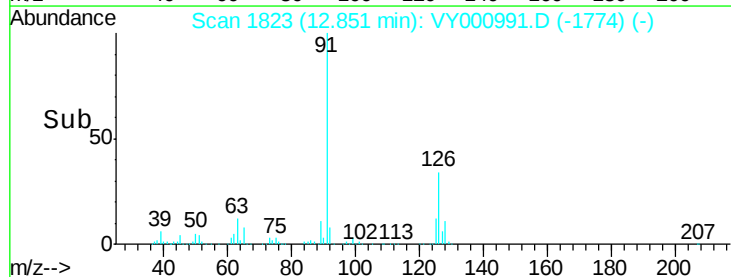
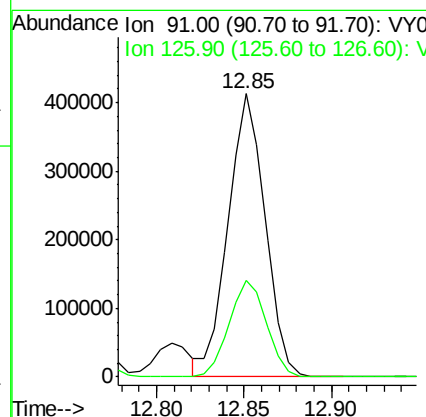
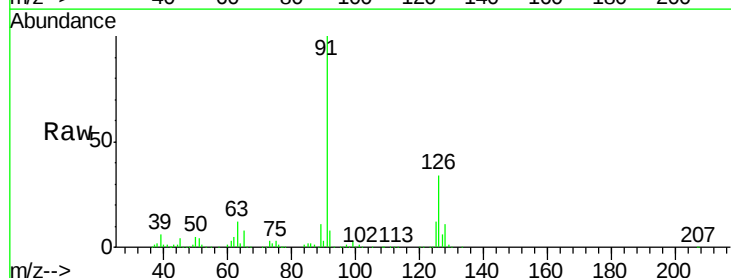
RT: 12.85 min Scan# 1823

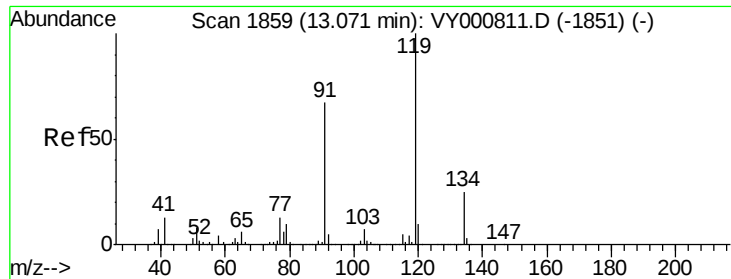
Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Tgt Ion:	91	Resp:	607082
Ion Ratio	Lower	Upper	
91	100		
126	34.5	17.3	51.9





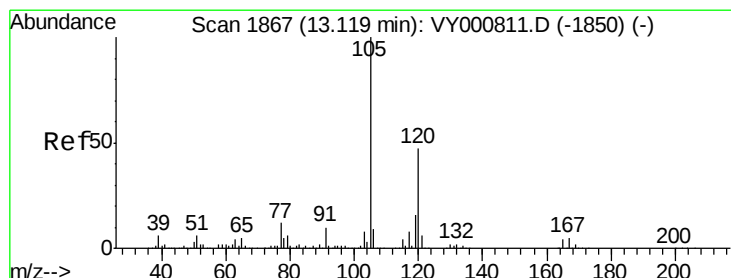
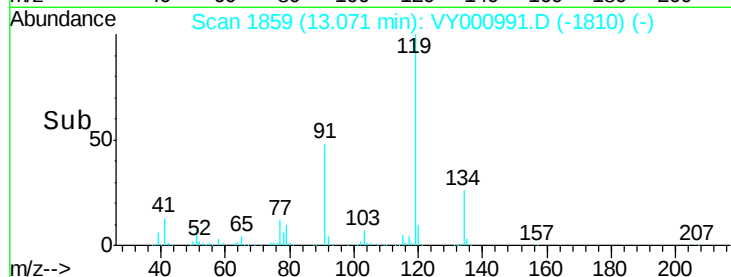
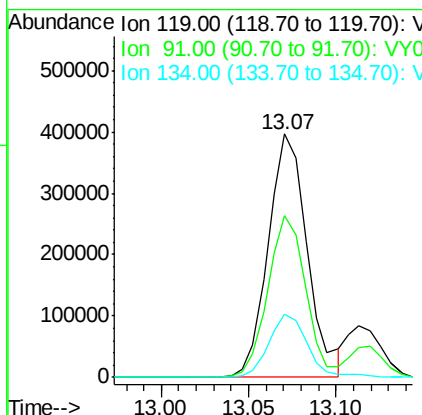
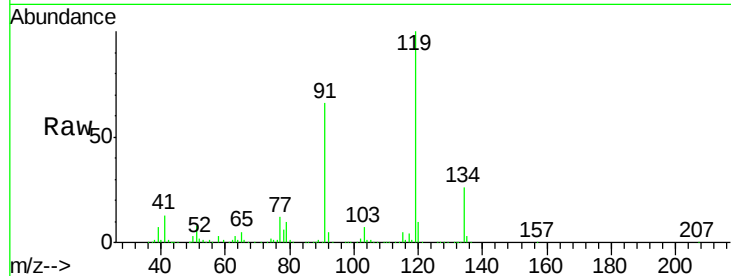
#83
tert-Butylbenzene
Concen: 54.432 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.3	96.8
134	25.8	12.9	38.7

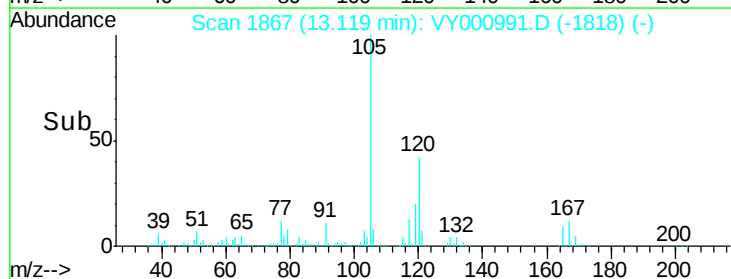
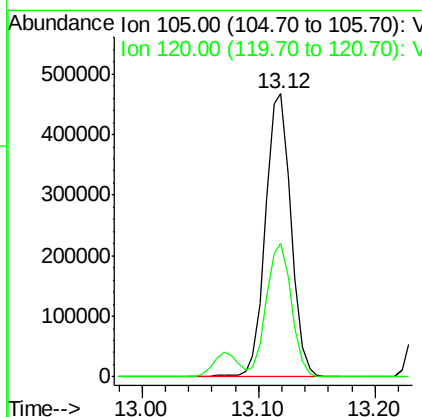
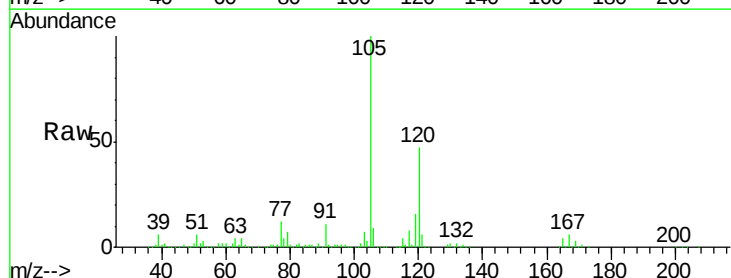
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#84
1,2,4-Trimethylbenzene
Concen: 52.922 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.6	67.8





#85

sec-Butylbenzene

Concen: 54.185 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 892436

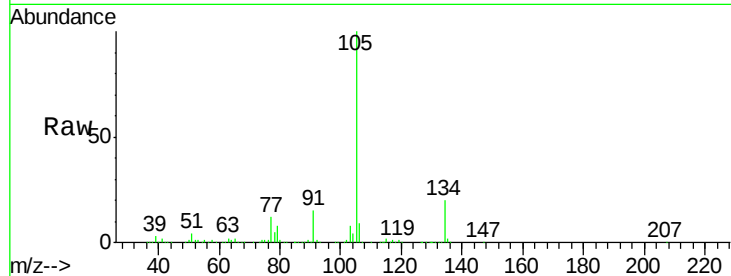
Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1

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

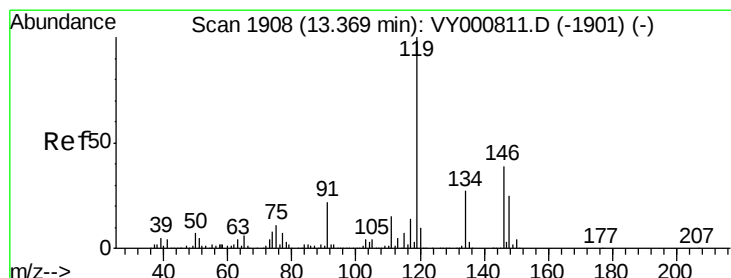
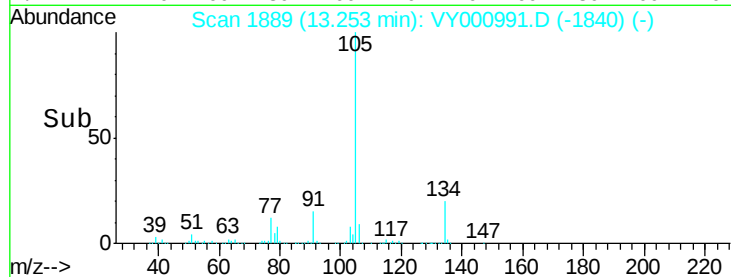
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.848 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

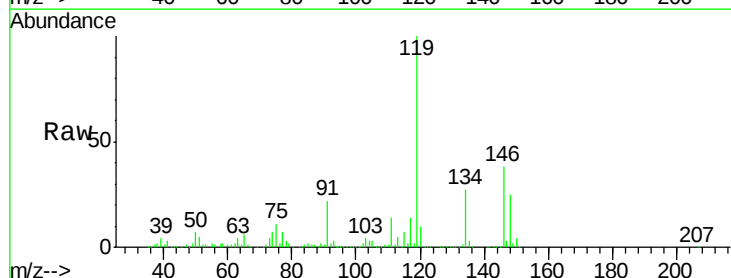
Tgt Ion:119 Resp: 771396

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 22.7 11.5 34.5



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

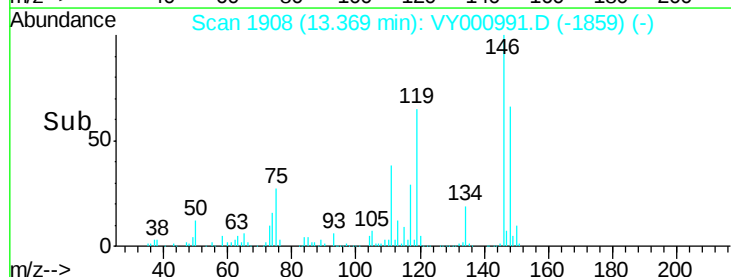
600000

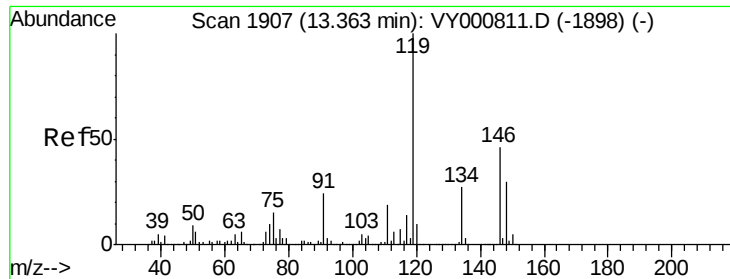
400000

200000

0

Time-->





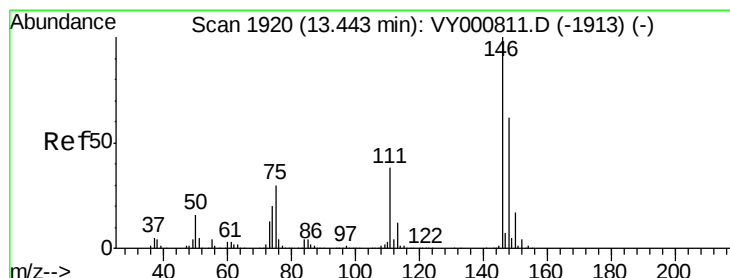
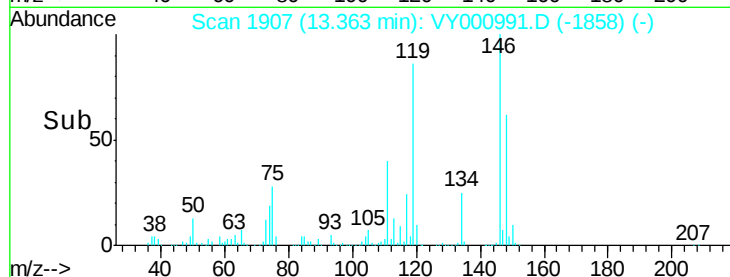
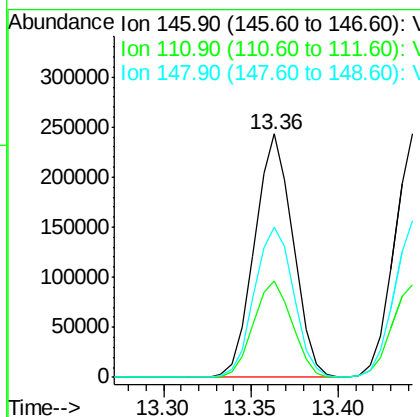
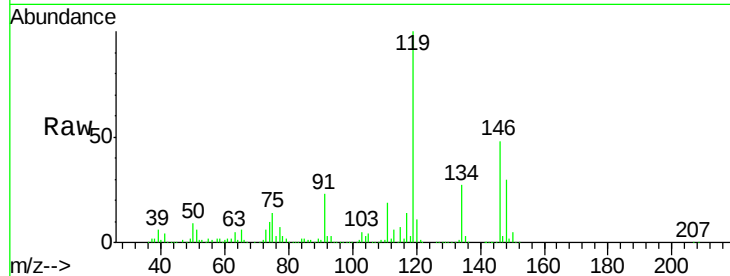
#87
 1,3-Dichlorobenzene
 Concen: 53.666 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000991.D
 Acq: 18 Dec 2019 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	371254		
111	39.9	20.0	60.0	
148	62.7	32.1	96.5	

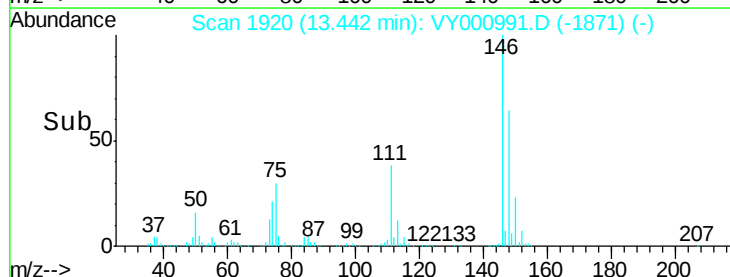
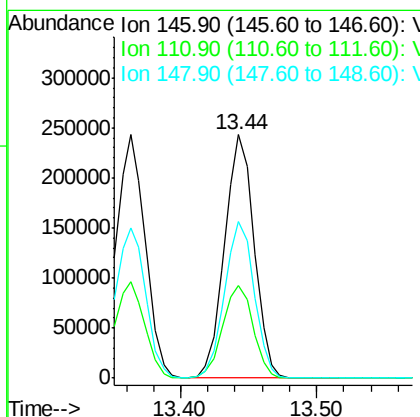
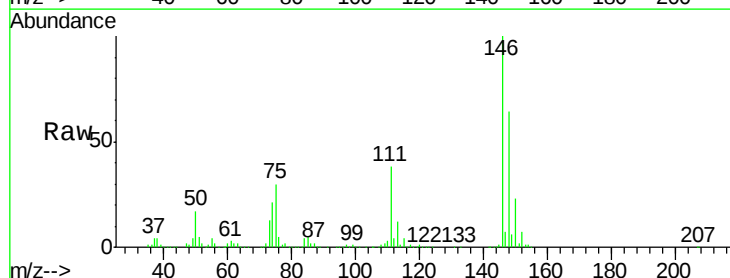
Manual Integrations
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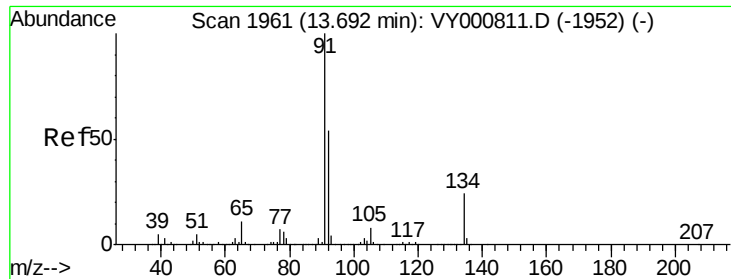
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 53.613 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000991.D
 Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	367229		
111	39.4	20.0	59.9	
148	64.4	31.7	95.1	





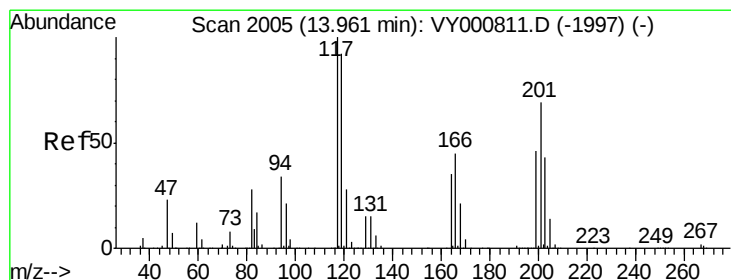
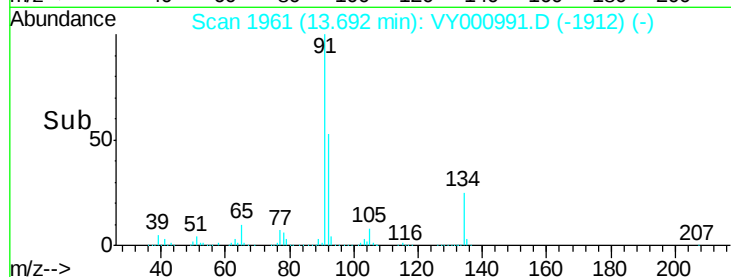
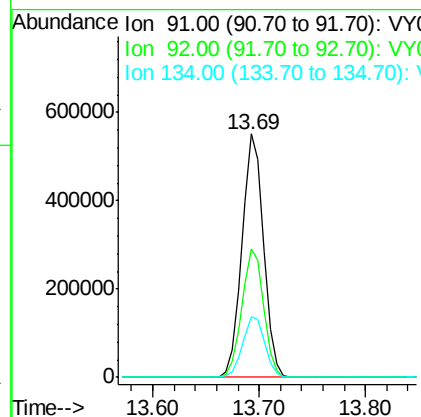
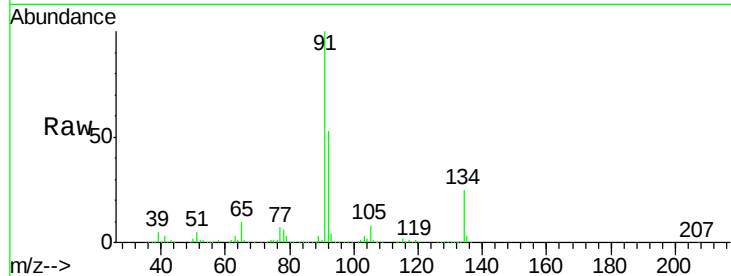
#89
n-Butylbenzene
Concen: 54.270 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	26.9	80.7	
134	25.6	12.6	37.6	

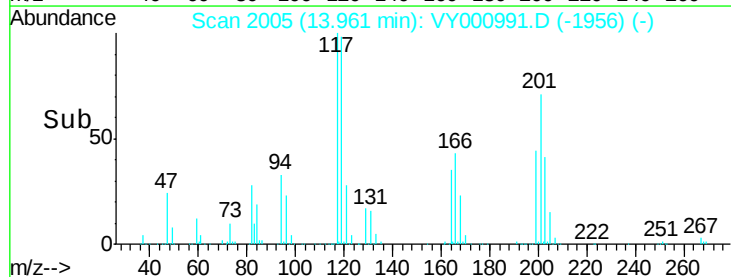
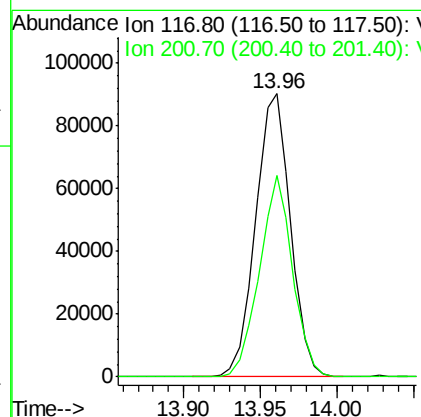
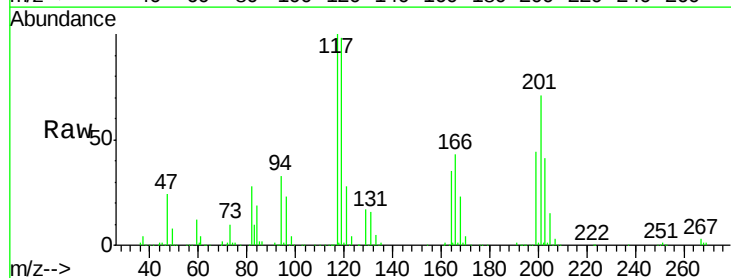
Manual Integrations
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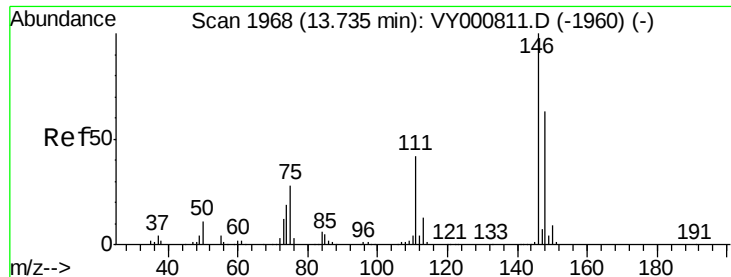
MMDadoda
12/19/2019 11:10:35 AM



#90
Hexachloroethane
Concen: 54.138 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	68.0	34.0	102.0	





#91

1,2-Dichlorobenzene

Concen: 53.707 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Instrument :

MSVOA_Y

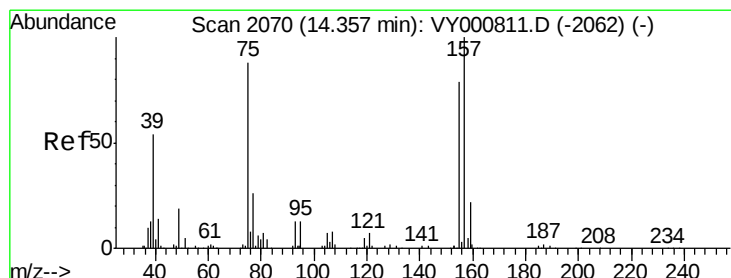
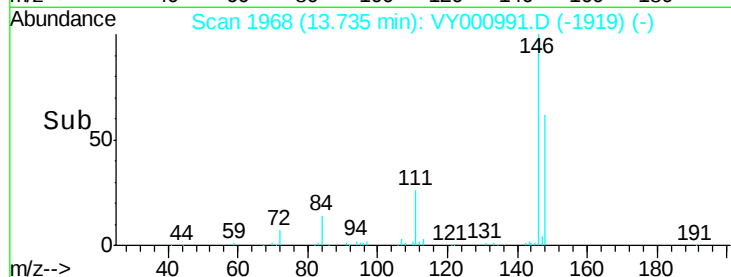
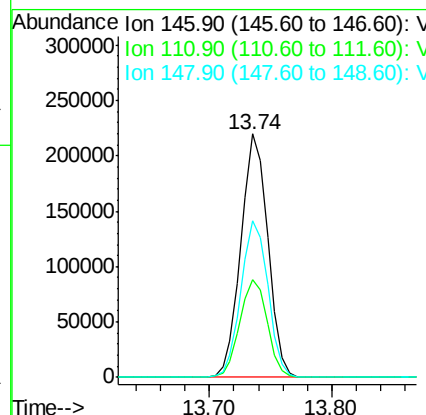
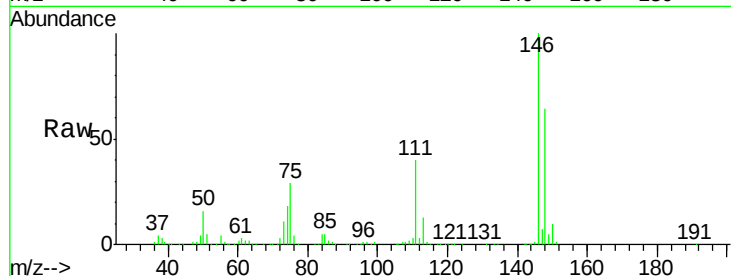
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	334193
Ion Ratio		Lower	Upper
146	100		
111	40.9	20.9	62.7
148	64.4	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.606 ug/l

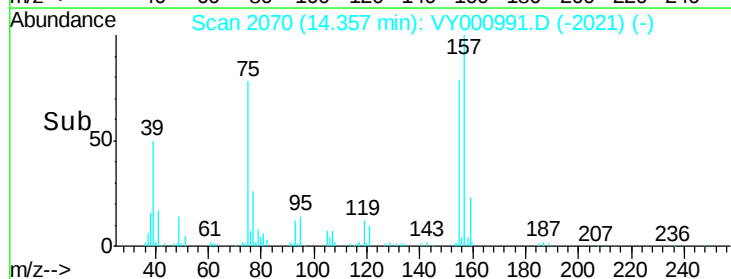
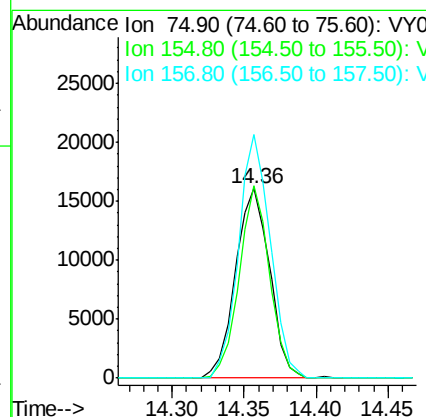
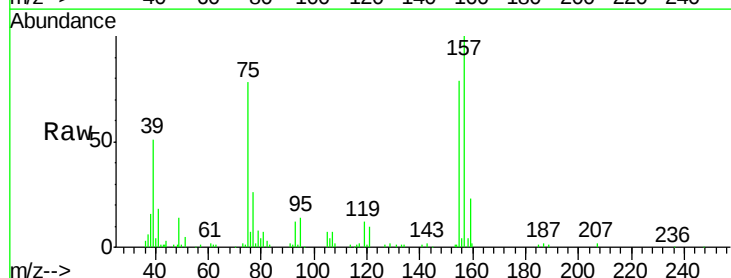
RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY000991.D

Acq: 18 Dec 2019 11:33

Tgt Ion:	75	Resp:	26621
Ion Ratio		Lower	Upper
75	100		
155	89.9	44.3	132.9
157	119.3	56.3	168.9





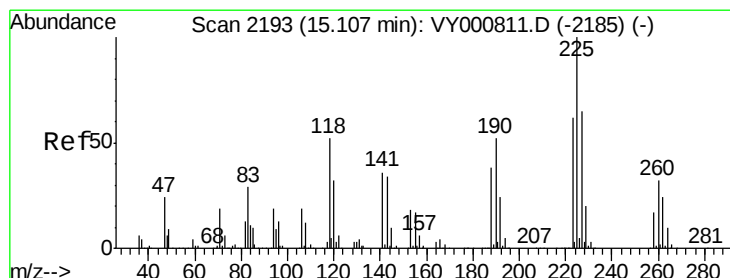
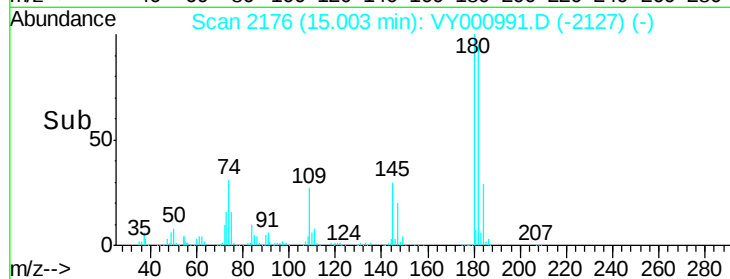
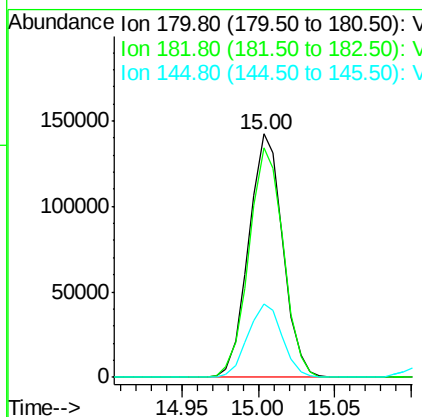
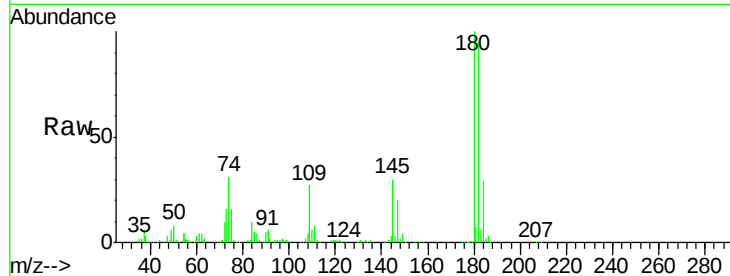
#93
 1,2,4-Trichlorobenzene
 Concen: 52.405 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000991.D
 Acq: 18 Dec 2019 11:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	220655		
182	95.3	47.3	141.9	
145	30.7	16.0	47.9	

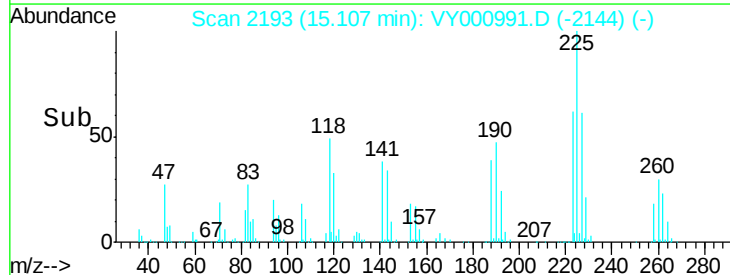
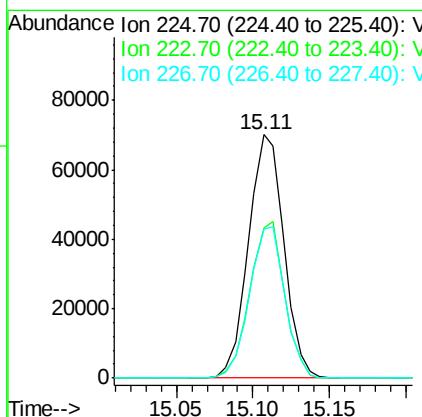
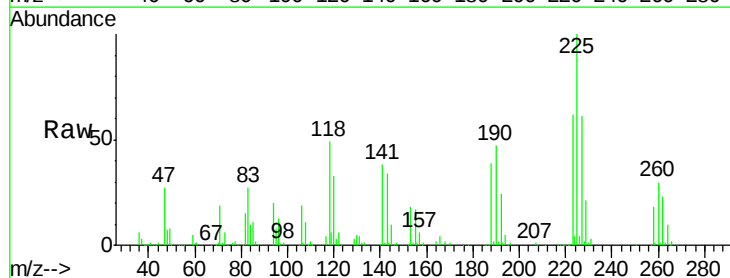
Manual Integrations
 APPROVED

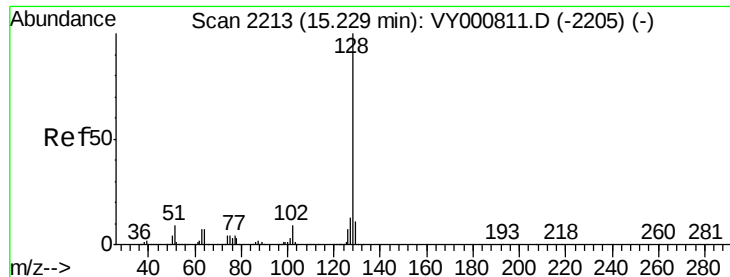
MMDadoda
 12/19/2019 11:10:35 AM



#94
 Hexachlorobutadiene
 Concen: 54.083 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY000991.D
 Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	112904		
223	63.1	31.4	94.3	
227	62.1	31.8	95.3	





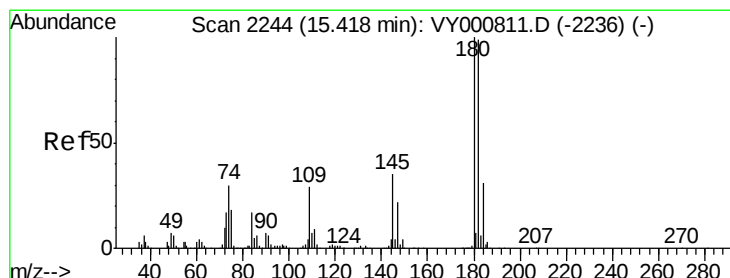
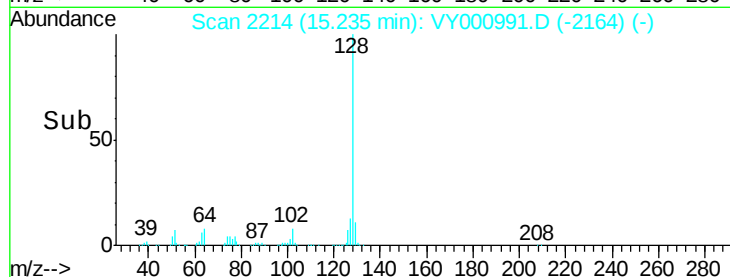
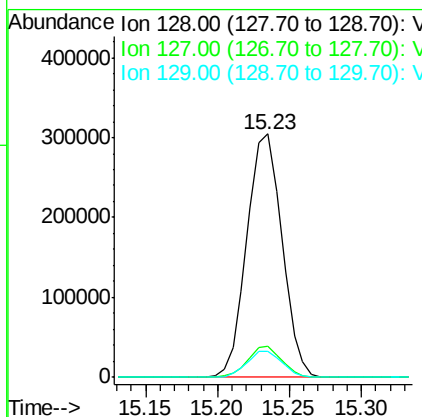
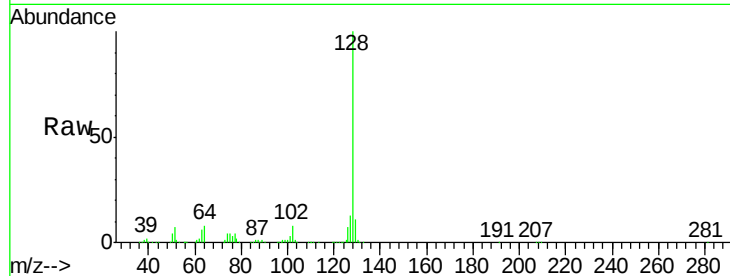
#95
Naphthalene
Concen: 52.688 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	515126		
127	12.3		10.1	15.1
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/19/2019 11:10:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.967 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY000991.D
Acq: 18 Dec 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	199208		
182	95.1		48.0	144.0
145	31.8		16.9	50.6

