

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020322\
 Data File : VY007377.D
 Acq On : 03 Feb 2022 15:40
 Operator : SY/MD
 Sample : N1381-01
 Misc : 6.16g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 08:40:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

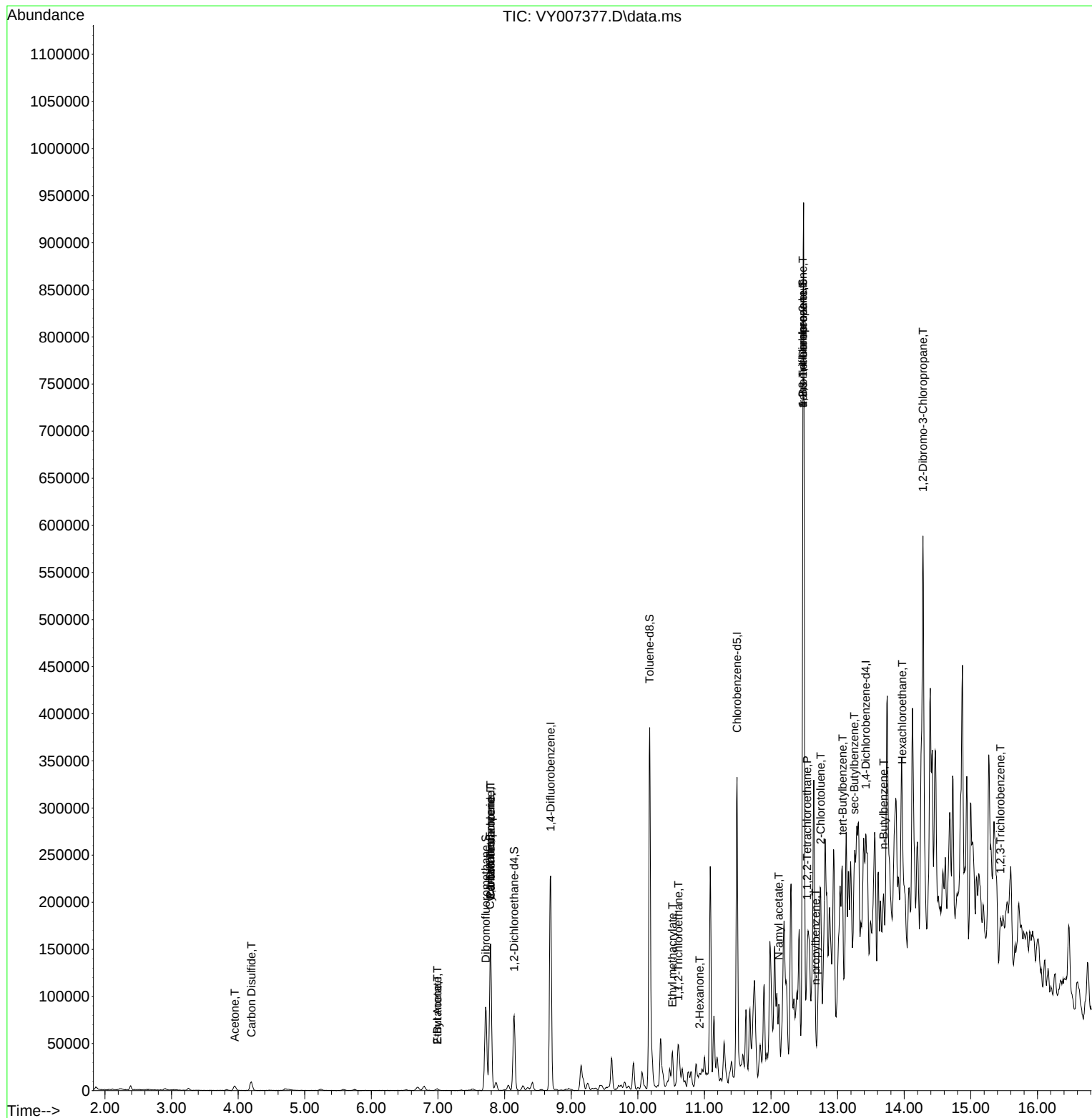
Internal Standards						
1) Pentafluorobenzene	7.789	168	105984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	196124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	160369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	40860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	61742	50.647	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.300%			
35) Dibromofluoromethane	7.716	113	61828	49.094	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.180%			
50) Toluene-d8	10.178	98	233938	50.279	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.560%			
62) 4-Bromofluorobenzene	12.477	95	79180	50.068	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.140%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	740	Below Cal	#	85
11) Tert butyl alcohol	4.954	59	78	Below Cal	#	77
16) Acetone	3.948	43	8591	21.699	ug/l #	89
17) Carbon Disulfide	4.198	76	17996	4.647	ug/l	99
20) Methylene Chloride	4.716	84	881	Below Cal	#	77
25) 2-Butanone	6.990	43	1990	4.160	ug/l #	82
31) Cyclohexane	7.783	56	7490	3.149	ug/l #	73
36) 1,1-Dichloropropene	7.789	75	8868	4.028	ug/l #	52
37) Ethyl Acetate	6.990	43	1990	1.818	ug/l #	72
38) Carbon Tetrachloride	7.789	117	12243	5.293	ug/l #	14
55) 1,1,2-Trichloroethane	10.611	97	11215	9.974	ug/l #	21
56) Ethyl methacrylate	10.520	69	3285	2.103	ug/l #	19
59) 2-Hexanone	10.928	43	995	1.315	ug/l	93
74) N-amyl acetate	12.117	43	15110	16.347	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.544	83	8746	12.825	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	38413	79.080	ug/l #	100
78) n-propylbenzene	12.672	91	4869	1.076	ug/l	93
79) 2-Chlorotoluene	12.745	91	3130	1.250	ug/l #	49
81) trans-1,4-Dichloro-2-b...	12.477	75	38413	158.430	ug/l #	18
83) tert-Butylbenzene	13.074	119	11065	4.172	ug/l	90
85) sec-Butylbenzene	13.251	105	5717	1.437	ug/l #	52
89) n-Butylbenzene	13.690	91	3696	1.185	ug/l	88
90) Hexachloroethane	13.970	117	859	1.403	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.281	75	313	2.824	ug/l	70
96) 1,2,3-Trichlorobenzene	15.446	180	1447	2.156	ug/l #	27

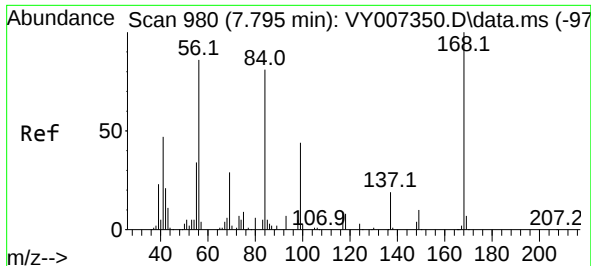
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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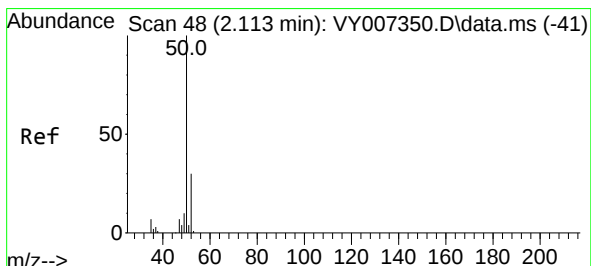
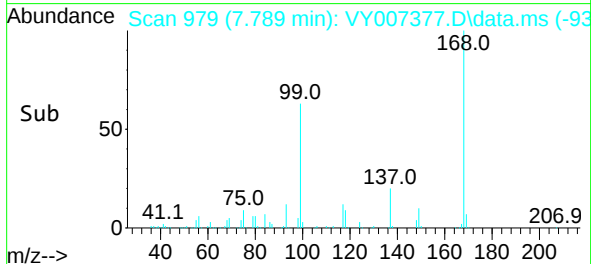
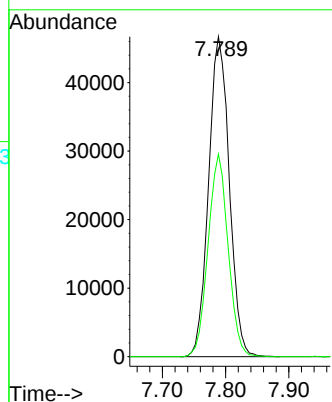
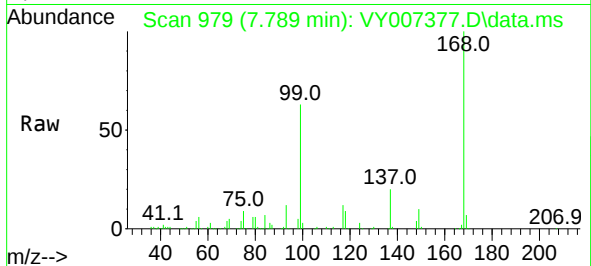




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

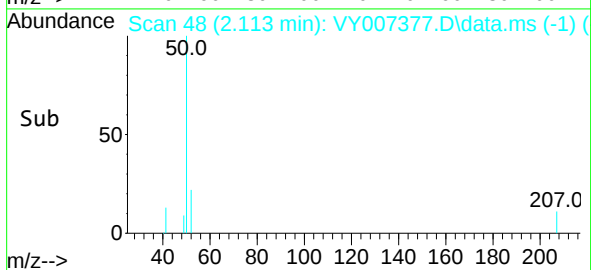
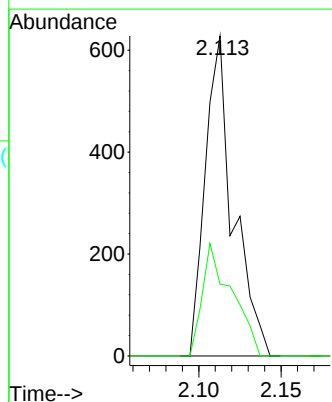
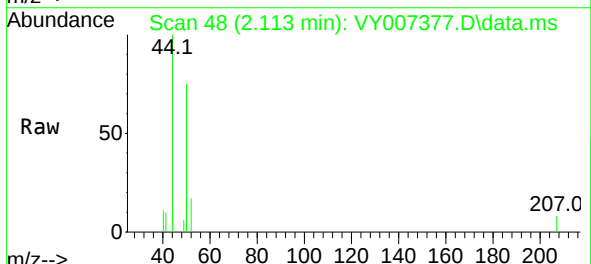
Instrument :
MSVOA_Y
ClientSampleId :

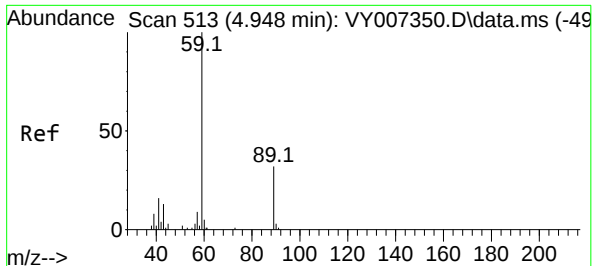
Tgt Ion:168 Resp: 105984
Ion Ratio Lower Upper
168 100
99 63.4 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

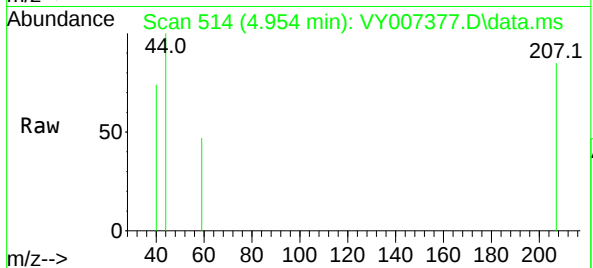
Tgt Ion: 50 Resp: 740
Ion Ratio Lower Upper
50 100
52 22.5 24.6 37.0#



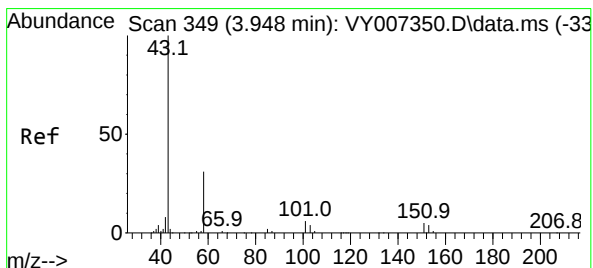
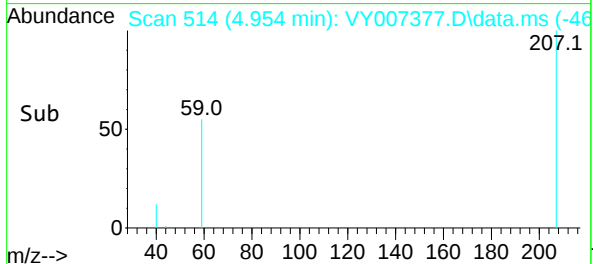
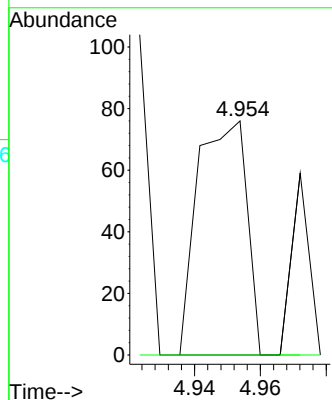


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

Instrument :
MSVOA_Y
ClientSampleId :

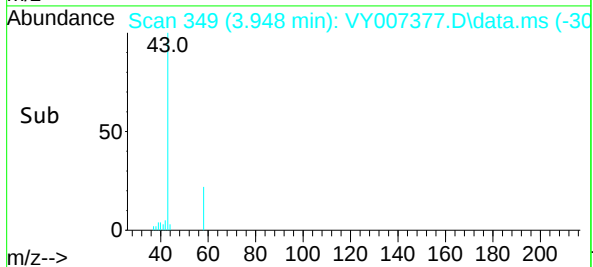
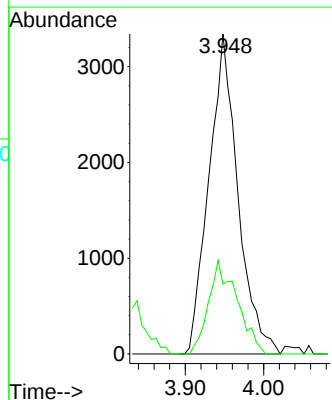
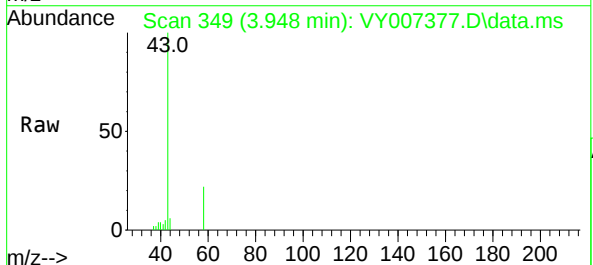


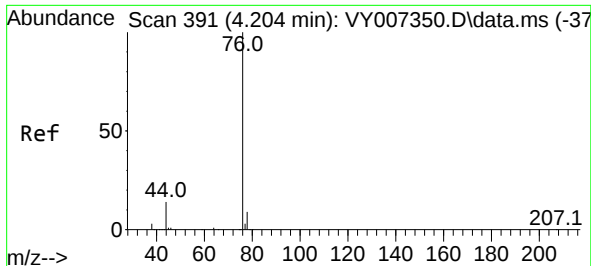
Tgt Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 21.699 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

Tgt Ion: 43 Resp: 8591
Ion Ratio Lower Upper
43 100
58 21.8 22.0 33.0#

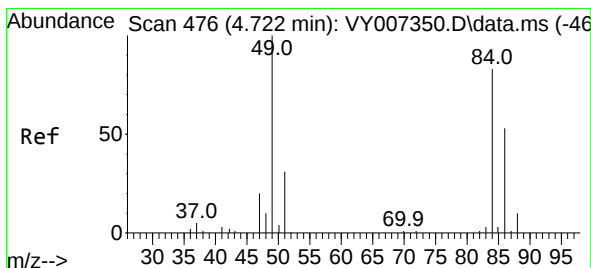
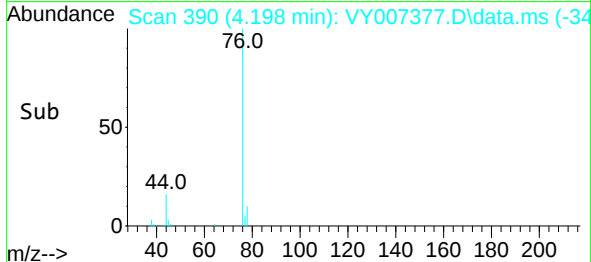
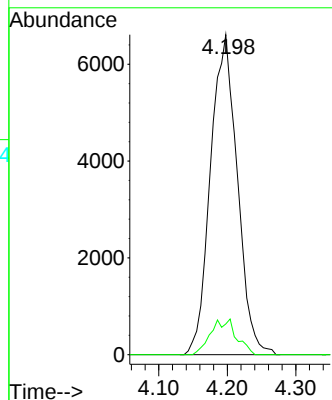
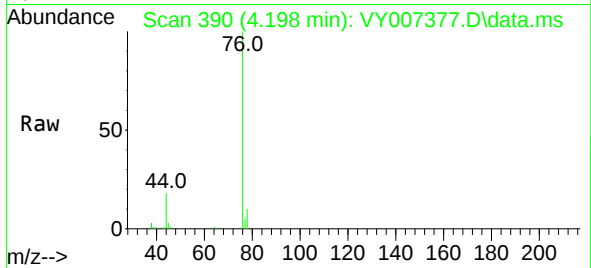




#17
Carbon Disulfide
Concen: 4.647 ug/l
RT: 4.198 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

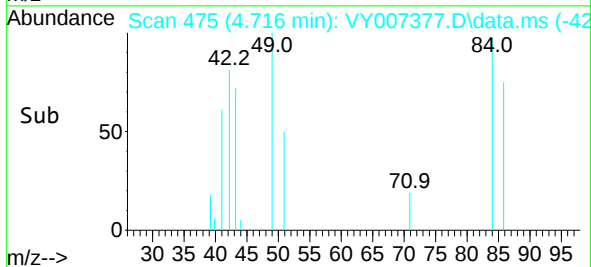
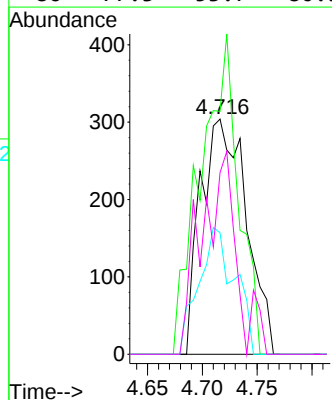
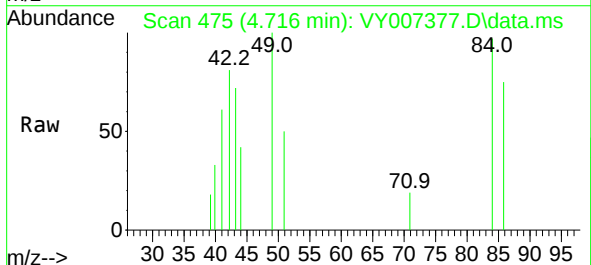
Instrument :
MSVOA_Y
ClientSampleId :

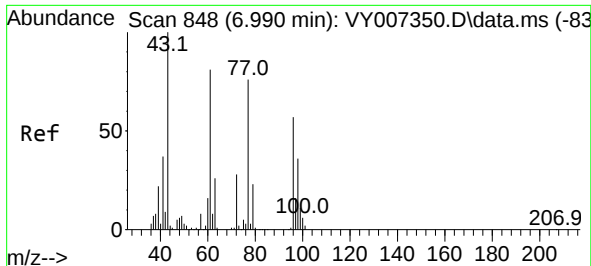
Tgt Ion: 76 Resp: 17996
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

Tgt Ion: 84 Resp: 881
Ion Ratio Lower Upper
84 100
49 103.3 114.4 171.6#
51 51.6 35.3 52.9
86 77.3 53.7 80.5





#25

2-Butanone

Concen: 4.160 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.000 min

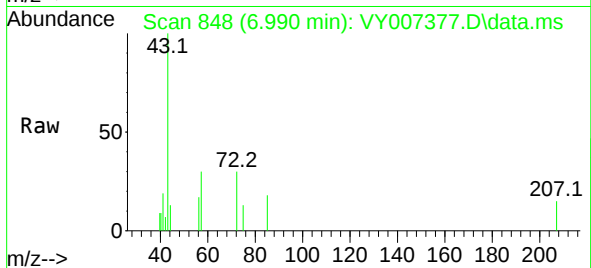
Lab File: VY007377.D

Acq: 03 Feb 2022 15:40

Instrument :

MSVOA_Y

ClientSampleId :

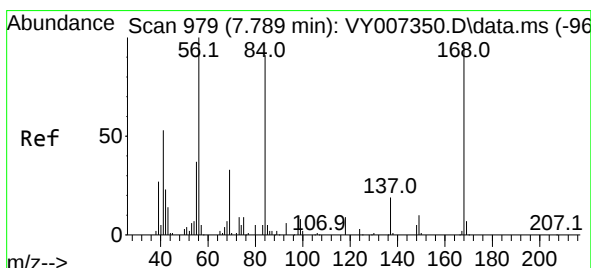
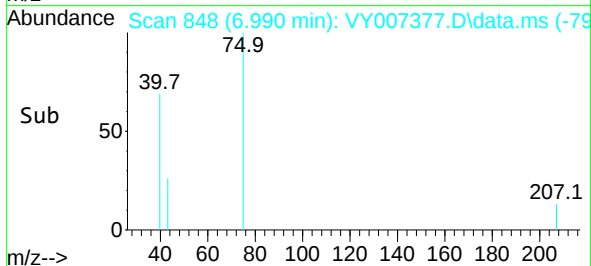
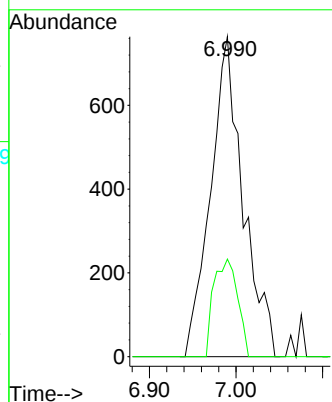


Tgt Ion: 43 Resp: 1990

Ion Ratio Lower Upper

43 100

72 30.5 17.7 26.5#



#31

Cyclohexane

Concen: 3.149 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY007377.D

Acq: 03 Feb 2022 15:40

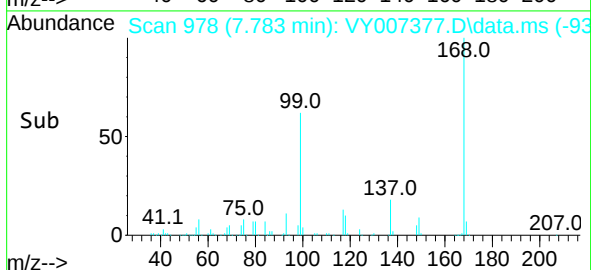
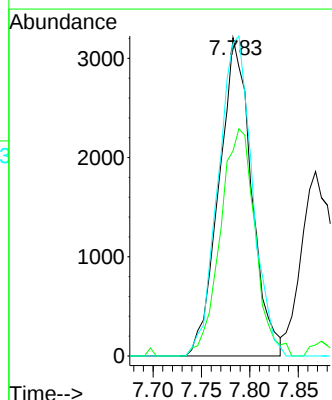
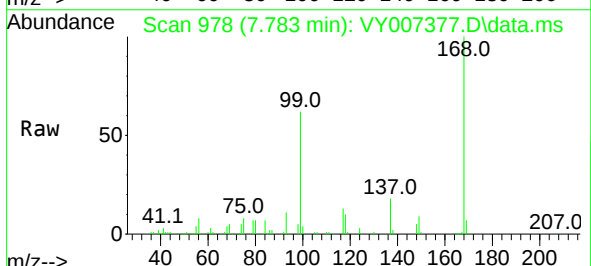
Tgt Ion: 56 Resp: 7490

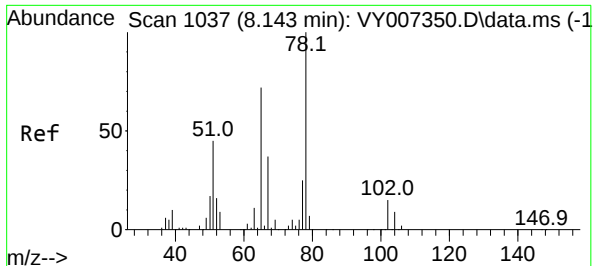
Ion Ratio Lower Upper

56 100

69 64.4 26.7 40.1#

84 98.2 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 50.647 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY007377.D

Acq: 03 Feb 2022 15:40

Instrument :

MSVOA_Y

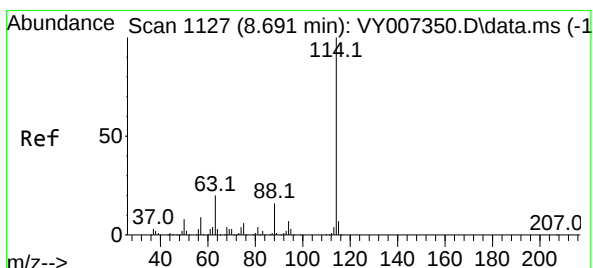
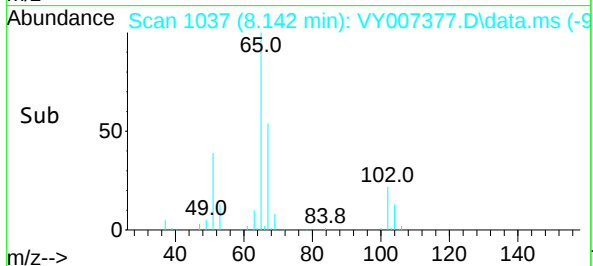
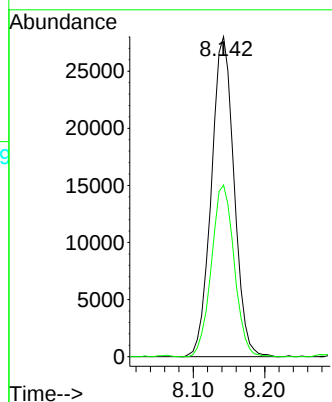
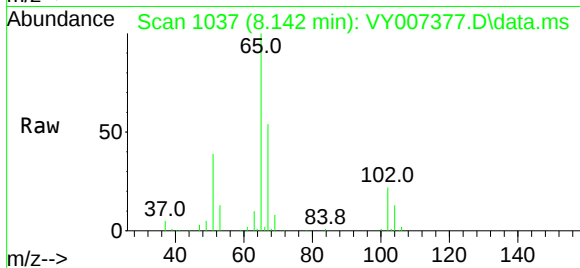
ClientSampleId :

Tgt Ion: 65 Resp: 61742

Ion Ratio Lower Upper

65 100

67 53.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007377.D

Acq: 03 Feb 2022 15:40

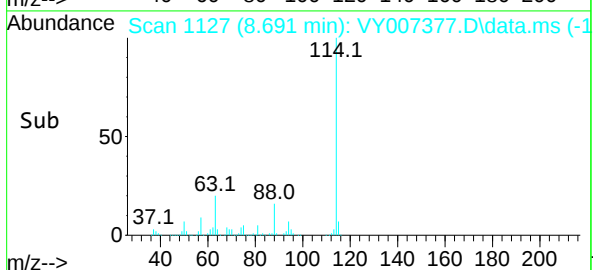
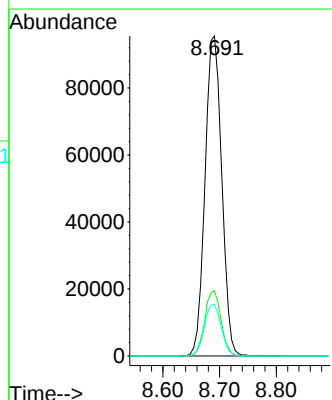
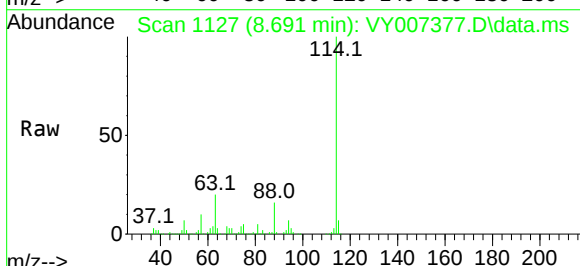
Tgt Ion: 114 Resp: 196124

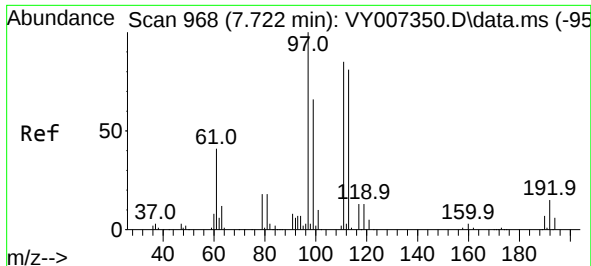
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

88 16.1 0.0 31.8

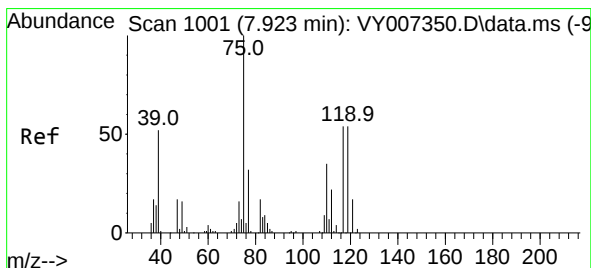
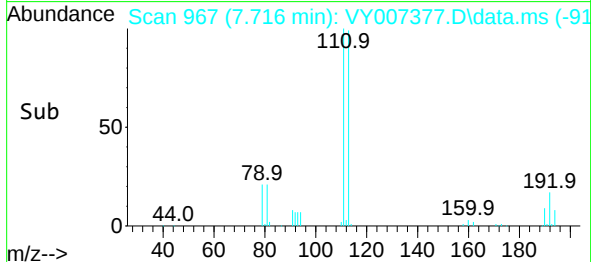
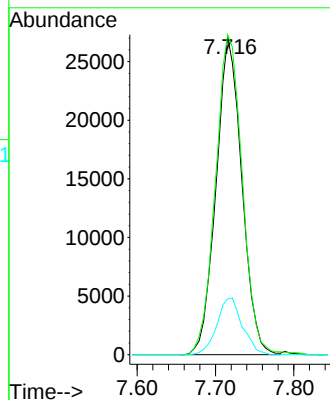
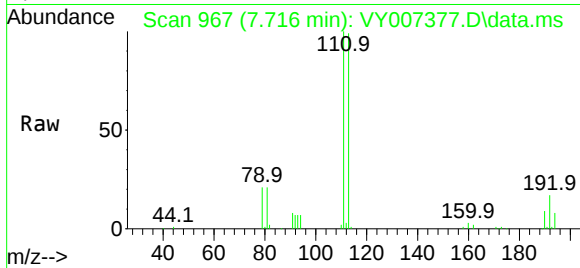




#35
Dibromofluoromethane
Concen: 49.094 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

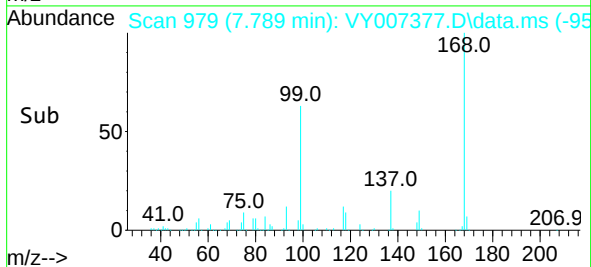
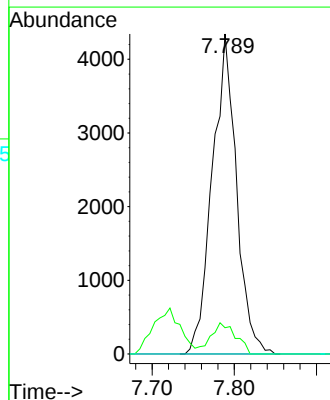
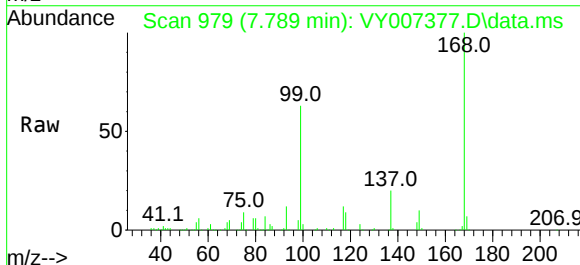
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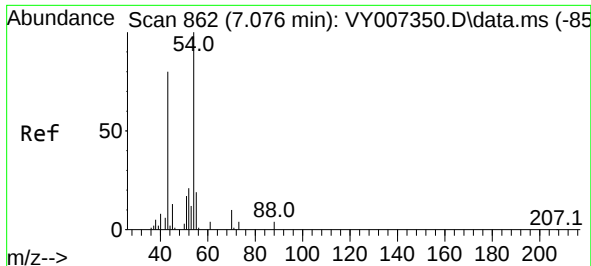
Tgt Ion:113 Resp: 61828
Ion Ratio Lower Upper
113 100
111 105.4 82.6 124.0
192 17.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.028 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

Tgt Ion: 75 Resp: 8868
Ion Ratio Lower Upper
75 100
110 10.2 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.818 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.086 min

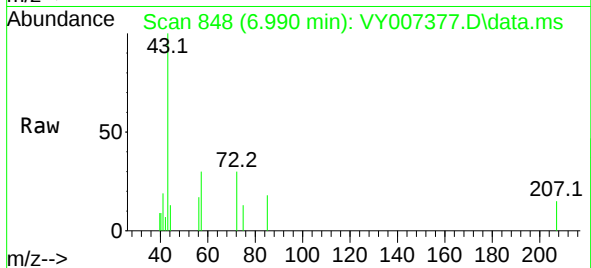
Lab File: VY007377.D

Acq: 03 Feb 2022 15:40

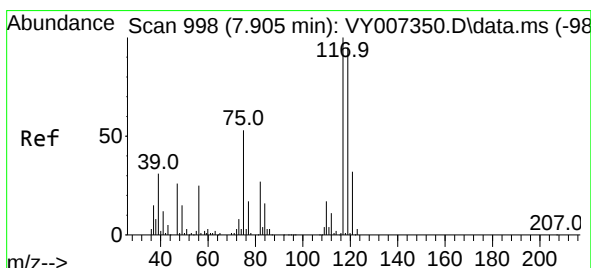
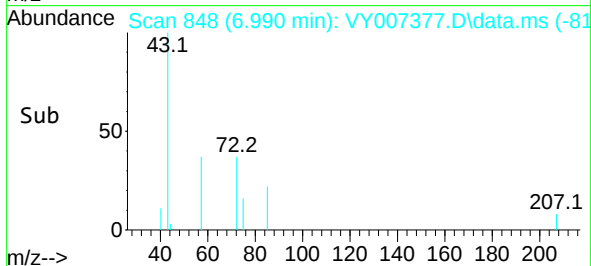
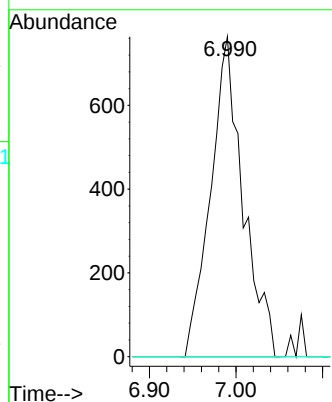
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	1990
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.293 ug/l

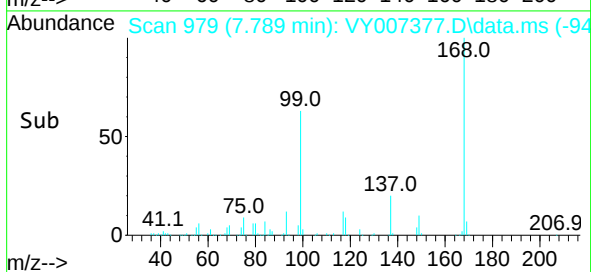
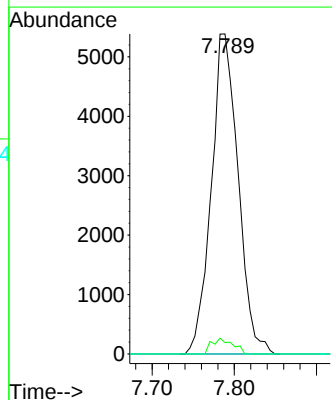
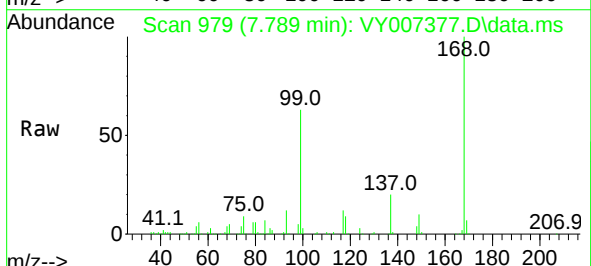
RT: 7.789 min Scan# 979

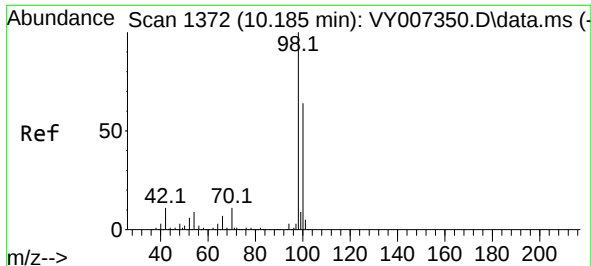
Delta R.T. -0.116 min

Lab File: VY007377.D

Acq: 03 Feb 2022 15:40

Tgt Ion:	117	Resp:	12243
Ion	Ratio	Lower	Upper
117	100		
119	3.6	77.9	116.9#
121	0.0	24.8	37.2#

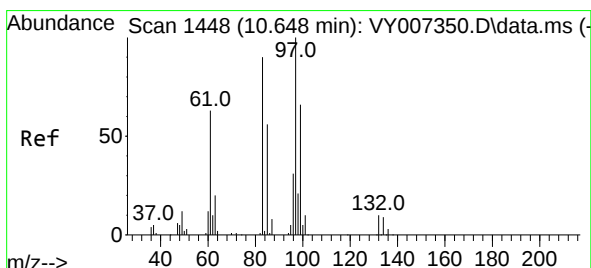
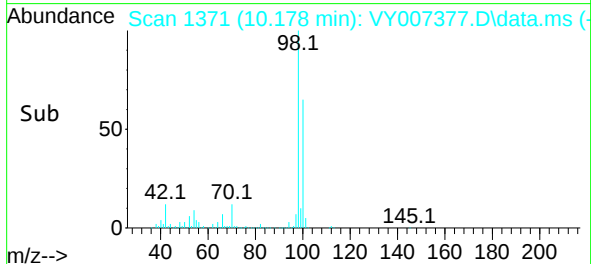
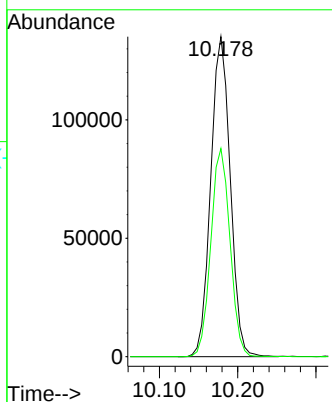
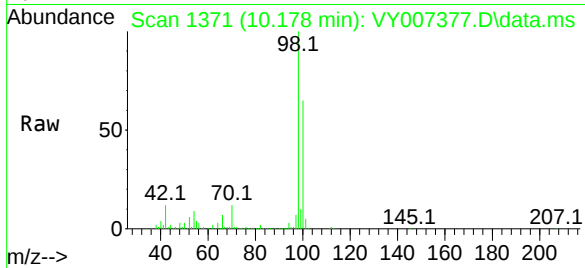




#50
Toluene-d8
Concen: 50.279 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

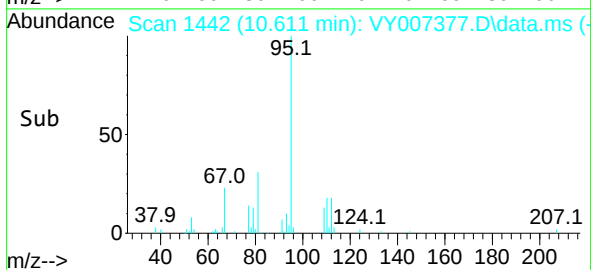
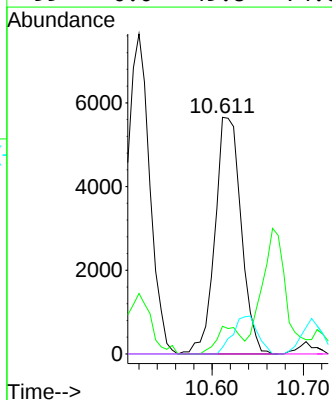
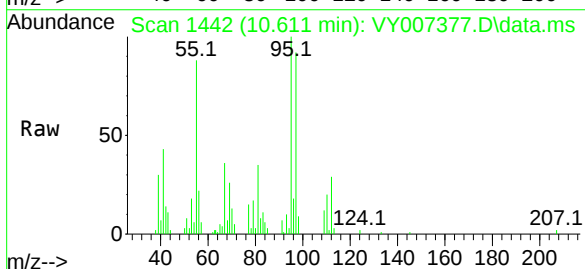
Instrument :
MSVOA_Y
ClientSampleId :

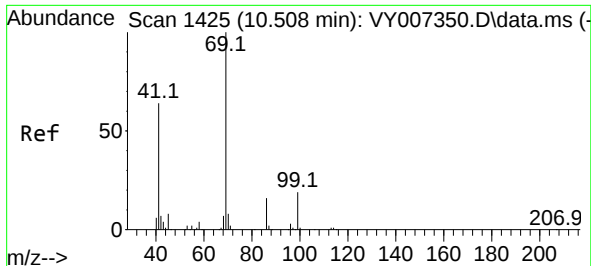
Tgt Ion: 98 Resp: 233938
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2



#55
1,1,2-Trichloroethane
Concen: 9.974 ug/l
RT: 10.611 min Scan# 1442
Delta R.T. -0.037 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

Tgt Ion: 97 Resp: 11215
Ion Ratio Lower Upper
97 100
83 11.7 69.8 104.8#
85 2.8 44.3 66.5#
99 0.0 49.8 74.6#





#56

Ethyl methacrylate

Concen: 2.103 ug/l

RT: 10.520 min Scan# 14

Delta R.T. 0.012 min

Lab File: VY007377.D

Acq: 03 Feb 2022 15:40

Instrument :

MSVOA_Y

ClientSampleId :

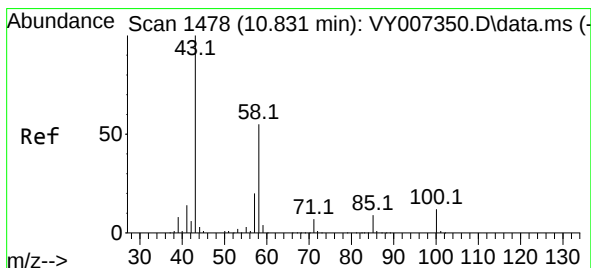
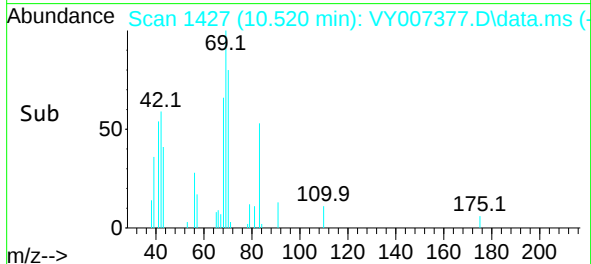
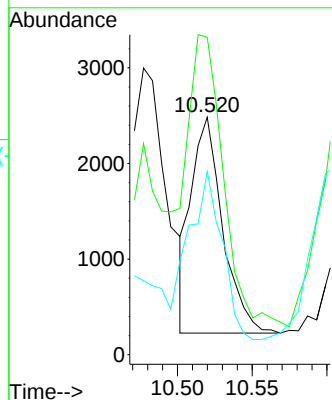
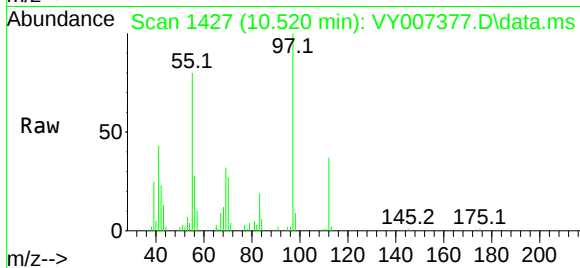
Tgt Ion: 69 Resp: 3285

Ion Ratio Lower Upper

69 100

41 160.8 63.4 95.0#

39 83.4 35.8 53.8#



#59

2-Hexanone

Concen: 1.315 ug/l

RT: 10.928 min Scan# 1494

Delta R.T. 0.097 min

Lab File: VY007377.D

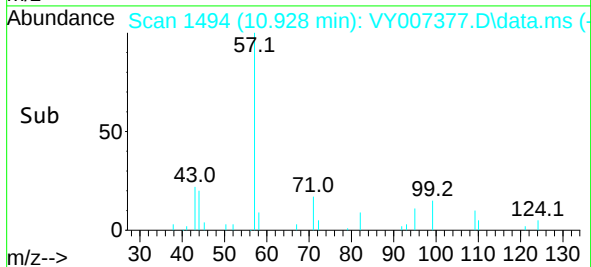
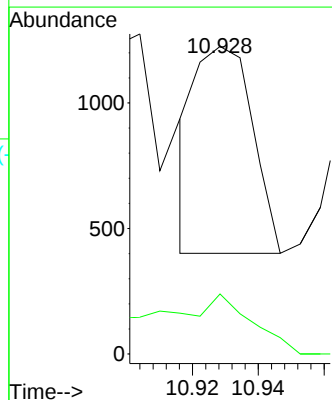
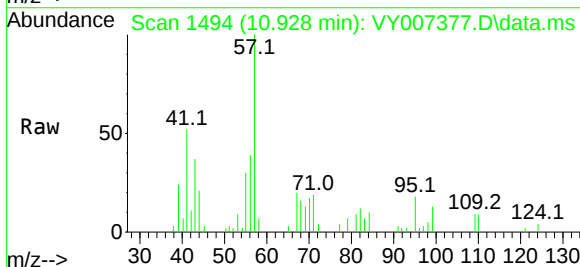
Acq: 03 Feb 2022 15:40

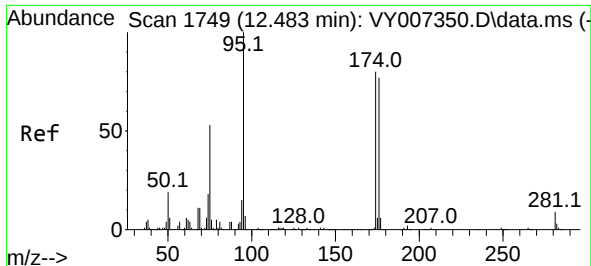
Tgt Ion: 43 Resp: 995

Ion Ratio Lower Upper

43 100

58 53.7 24.4 73.4

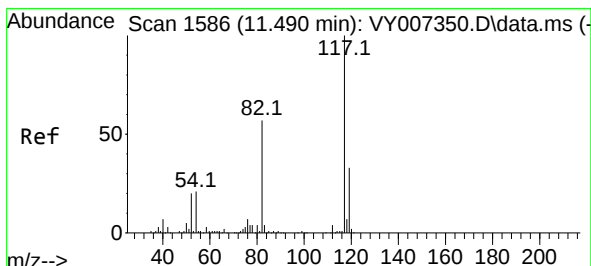
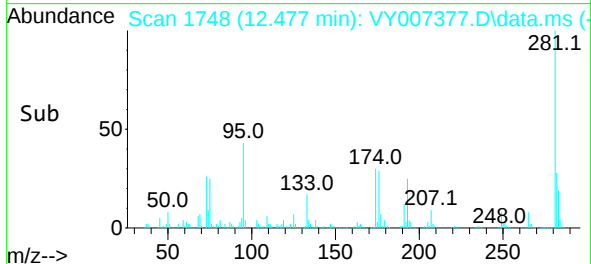
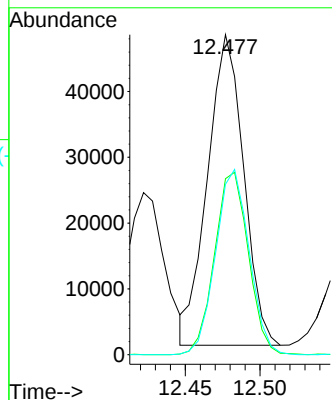
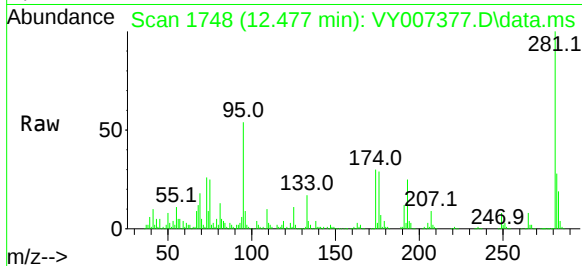




#62
4-Bromofluorobenzene
Concen: 50.068 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

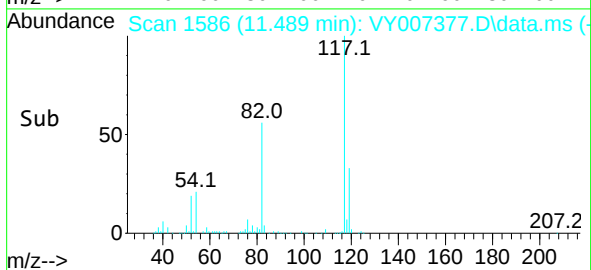
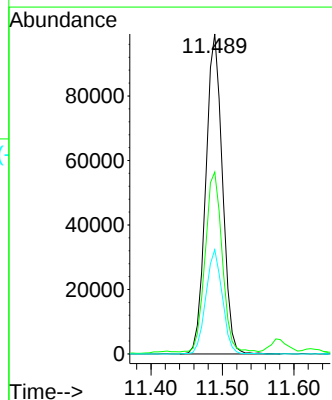
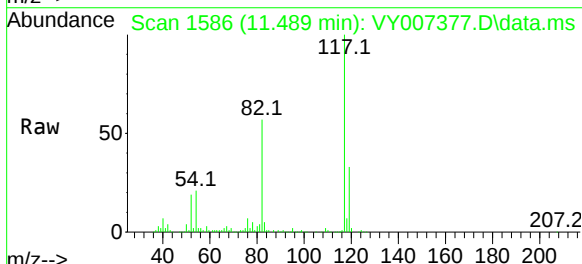
Instrument :
MSVOA_Y
ClientSampleId :

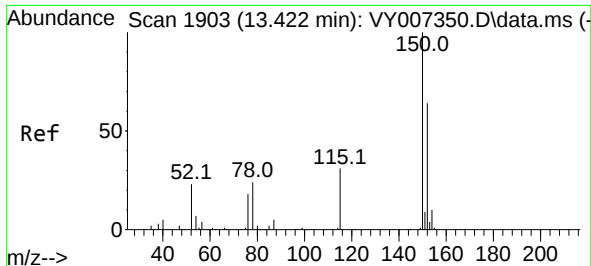
Tgt Ion: 95 Resp: 79180
Ion Ratio Lower Upper
95 100
174 55.2 0.0 177.0
176 55.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

Tgt Ion: 117 Resp: 160369
Ion Ratio Lower Upper
117 100
82 56.2 43.0 64.4
119 32.6 25.4 38.0

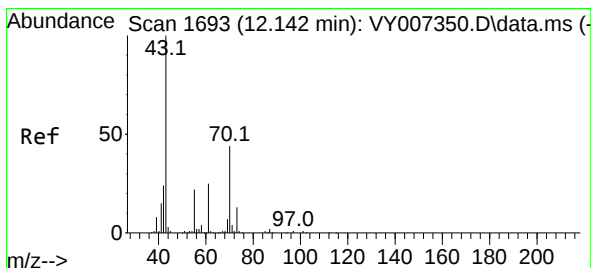
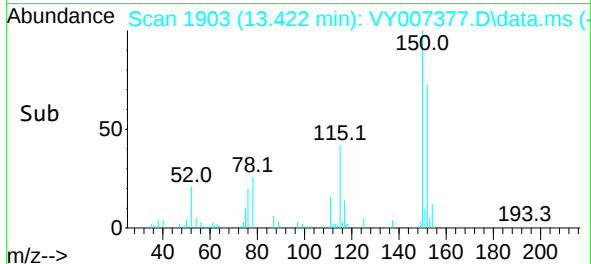
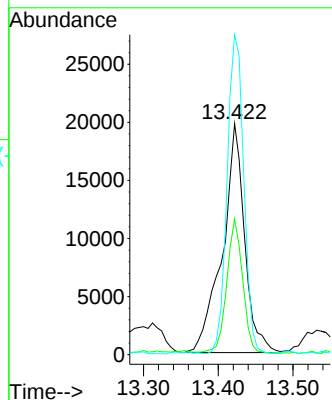
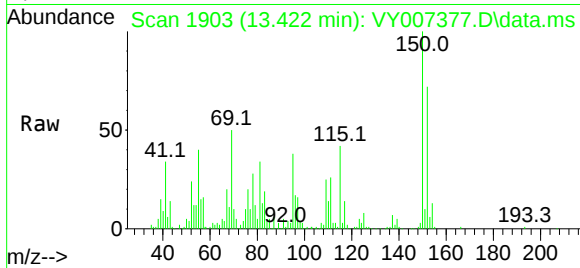




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY007377.D
 Acq: 03 Feb 2022 15:40

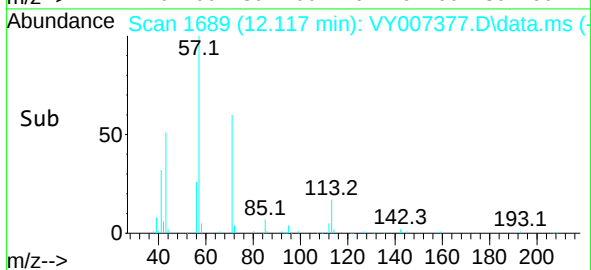
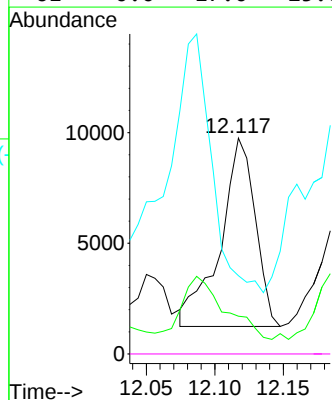
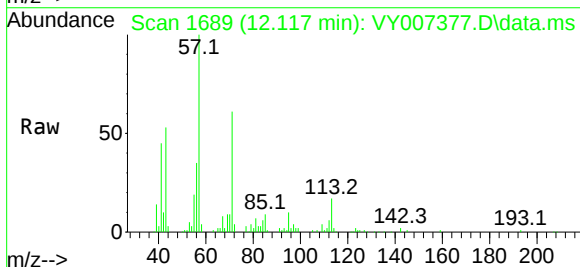
Instrument :
 MSVOA_Y
 ClientSampleId :

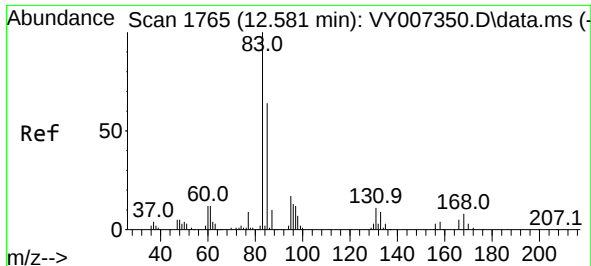
Tgt Ion:152 Resp: 40860
 Ion Ratio Lower Upper
 152 100
 115 42.1 28.2 84.7
 150 104.5 0.0 347.6



#74
 N-ethyl acetate
 Concen: 16.347 ug/l
 RT: 12.117 min Scan# 1689
 Delta R.T. -0.025 min
 Lab File: VY007377.D
 Acq: 03 Feb 2022 15:40

Tgt Ion: 43 Resp: 15110
 Ion Ratio Lower Upper
 43 100
 70 0.0 28.7 43.1#
 55 0.0 17.3 25.9#
 61 0.0 17.0 25.6#

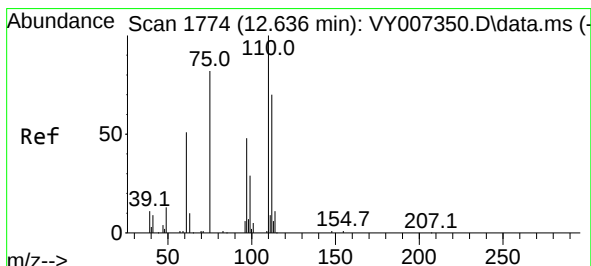
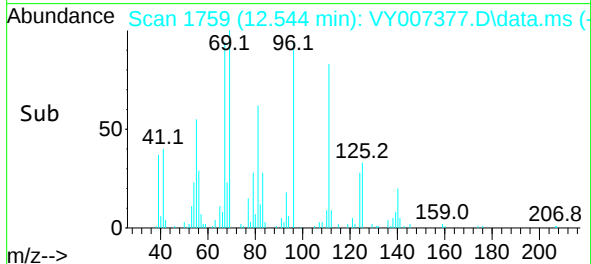
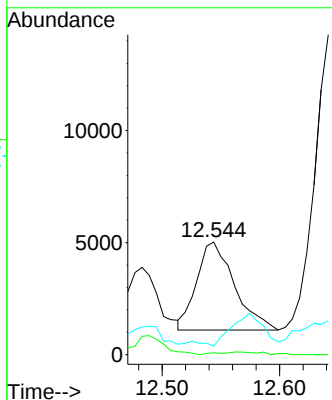
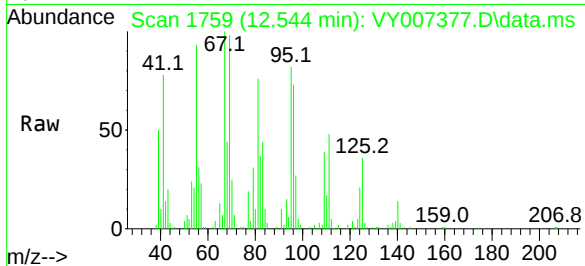




#75
1,1,2,2-Tetrachloroethane
Concen: 12.825 ug/l
RT: 12.544 min Scan# 1759
Delta R.T. -0.037 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

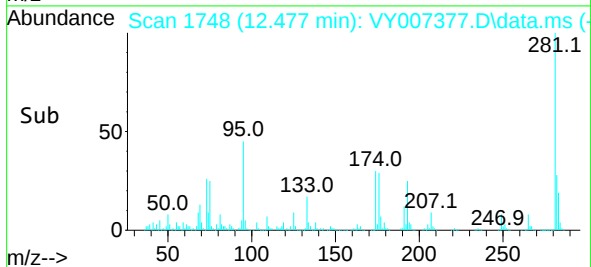
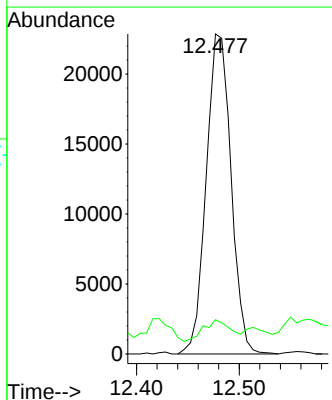
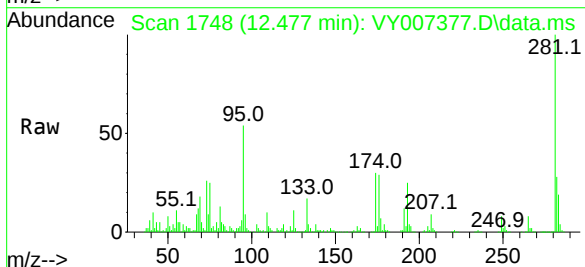
Instrument :
MSVOA_Y
ClientSampled :

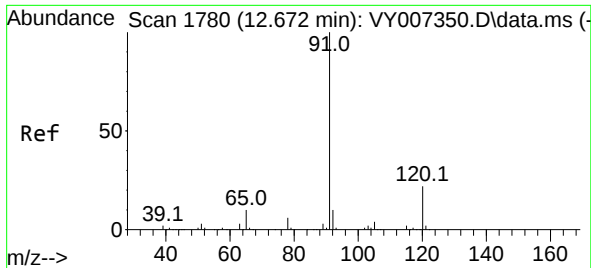
Tgt Ion: 83 Resp: 8746
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 0.0 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 79.080 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

Tgt Ion: 75 Resp: 38413
Ion Ratio Lower Upper
75 100
77 7.3 0.0 0.0#

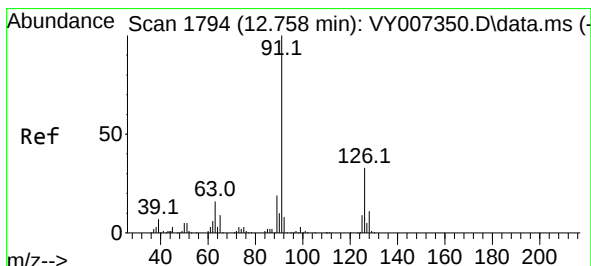
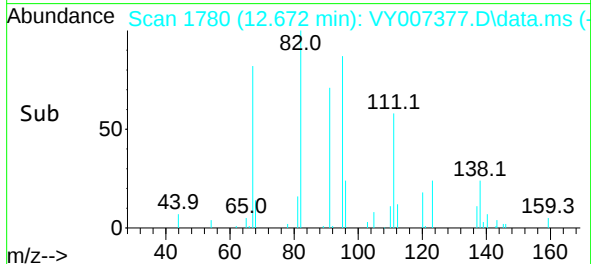
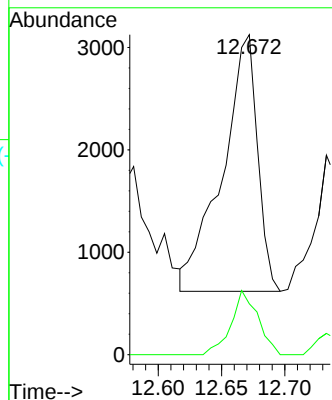
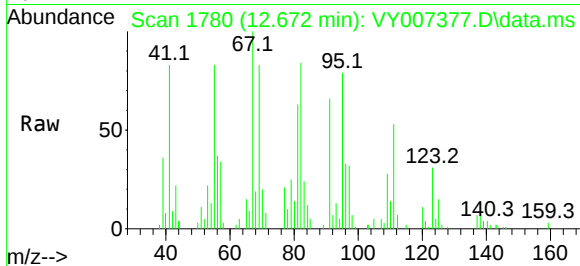




#78
n-propylbenzene
Concen: 1.076 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

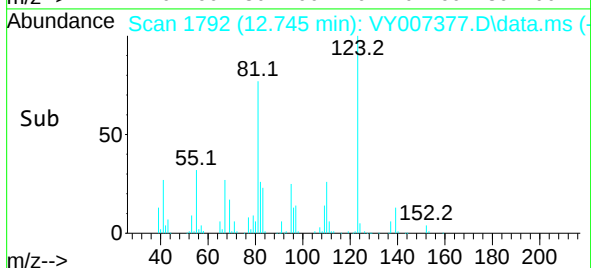
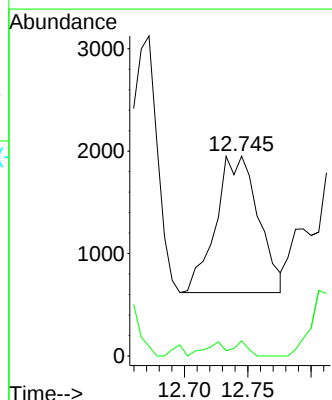
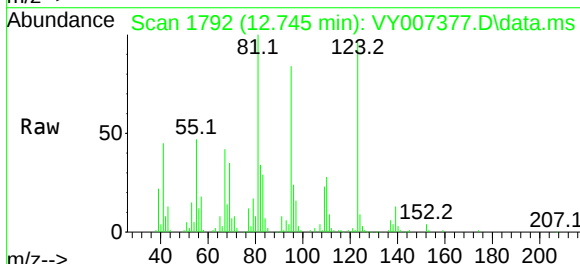
Instrument :
MSVOA_Y
ClientSampleId :

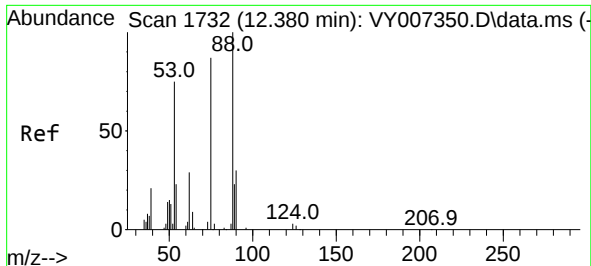
Tgt Ion: 91 Resp: 4869
Ion Ratio Lower Upper
91 100
120 19.0 11.3 33.9



#79
2-Chlorotoluene
Concen: 1.250 ug/l
RT: 12.745 min Scan# 1792
Delta R.T. -0.012 min
Lab File: VY007377.D
Acq: 03 Feb 2022 15:40

Tgt Ion: 91 Resp: 3130
Ion Ratio Lower Upper
91 100
126 4.5 16.9 50.6#

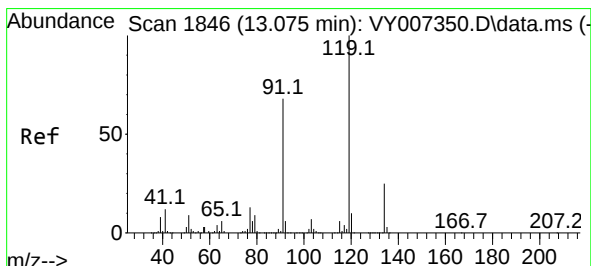
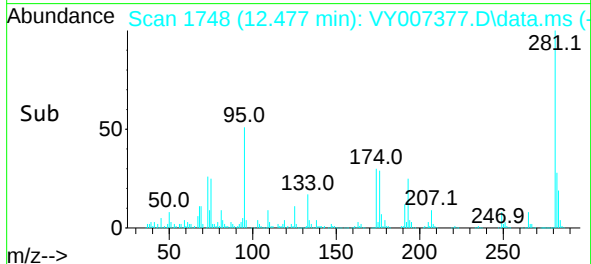
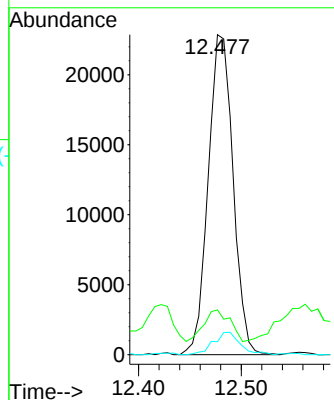
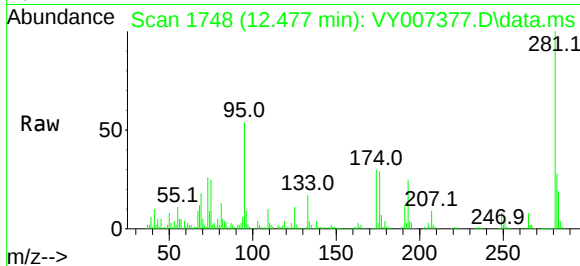




#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.430 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. 0.097 min
 Lab File: VY007377.D
 Acq: 03 Feb 2022 15:40

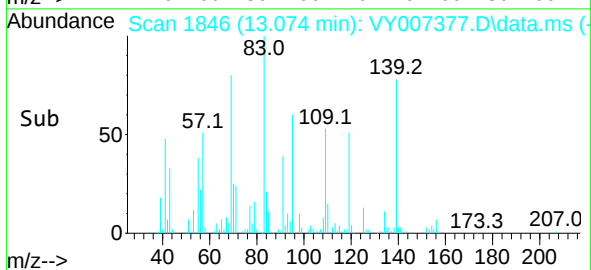
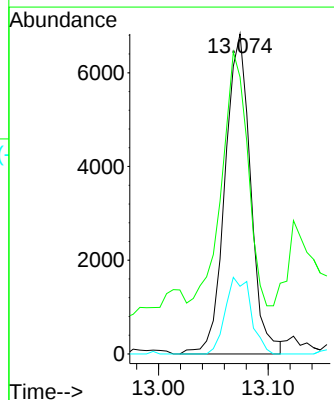
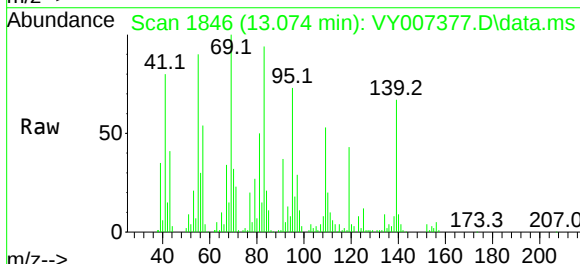
Instrument :
 MSVOA_Y
 ClientSampleId :

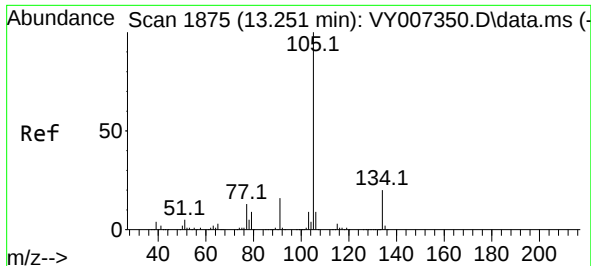
Tgt Ion: 75 Resp: 38413
 Ion Ratio Lower Upper
 75 100
 53 10.2 85.3 127.9#
 89 7.6 37.0 55.4#



#83
 tert-Butylbenzene
 Concen: 4.172 ug/l
 RT: 13.074 min Scan# 1846
 Delta R.T. -0.000 min
 Lab File: VY007377.D
 Acq: 03 Feb 2022 15:40

Tgt Ion: 119 Resp: 11065
 Ion Ratio Lower Upper
 119 100
 91 79.6 34.8 104.4
 134 23.9 13.3 39.9

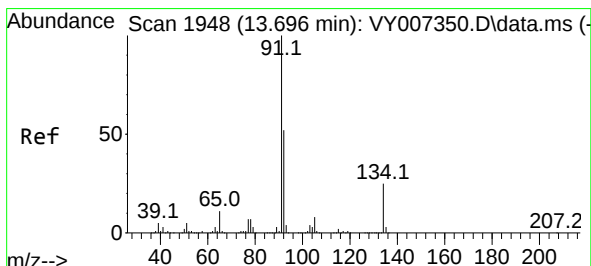
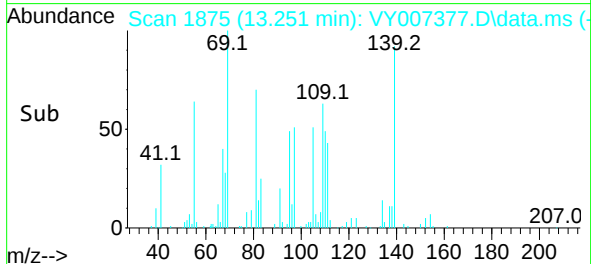
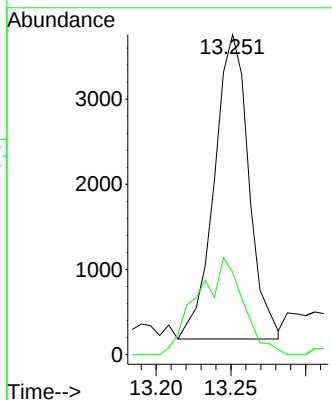
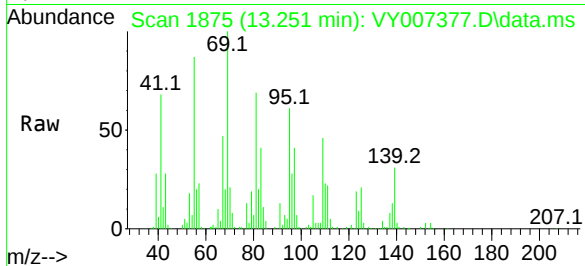




#85
 sec-Butylbenzene
 Concen: 1.437 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.000 min
 Lab File: VY007377.D
 Acq: 03 Feb 2022 15:40

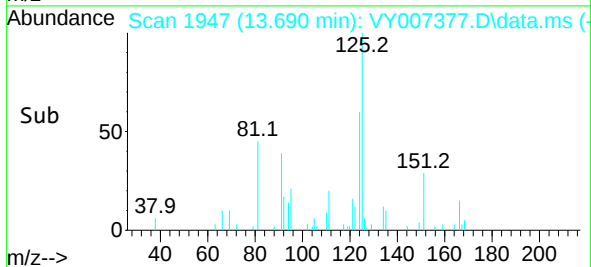
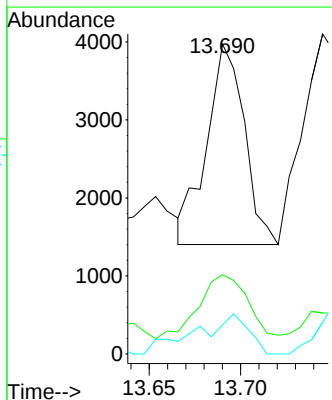
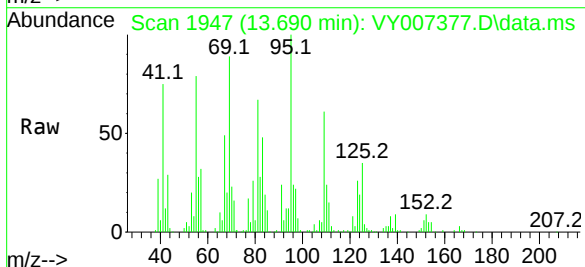
Instrument :
 MSVOA_Y
 ClientSampleId :

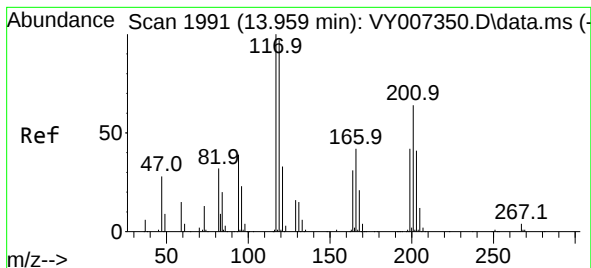
Tgt Ion:105 Resp: 5717
 Ion Ratio Lower Upper
 105 100
 134 42.3 10.2 30.4#



#89
 n-Butylbenzene
 Concen: 1.185 ug/l
 RT: 13.690 min Scan# 1947
 Delta R.T. -0.006 min
 Lab File: VY007377.D
 Acq: 03 Feb 2022 15:40

Tgt Ion: 91 Resp: 3696
 Ion Ratio Lower Upper
 91 100
 92 41.3 26.3 78.9
 134 28.0 13.0 38.9





#90

Hexachloroethane

Concen: 1.403 ug/l

RT: 13.970 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY007377.D

Acq: 03 Feb 2022 15:40

Instrument :

MSVOA_Y

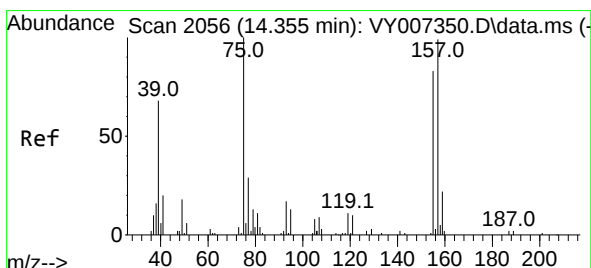
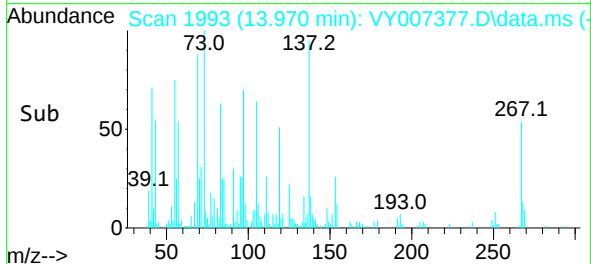
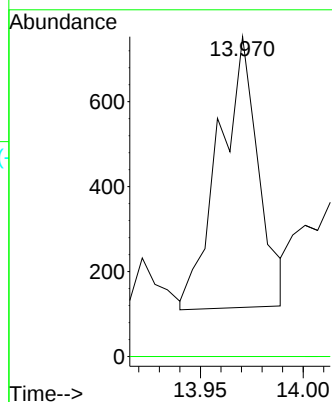
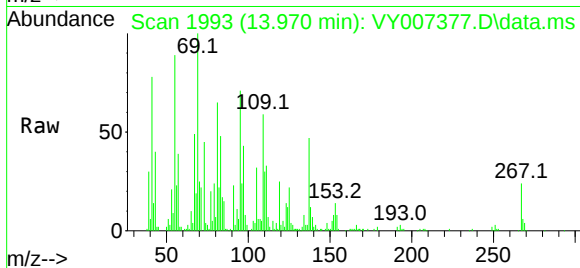
ClientSampleId :

Tgt Ion:117 Resp: 859

Ion Ratio Lower Upper

117 100

201 0.0 43.0 128.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.824 ug/l

RT: 14.281 min Scan# 2044

Delta R.T. -0.073 min

Lab File: VY007377.D

Acq: 03 Feb 2022 15:40

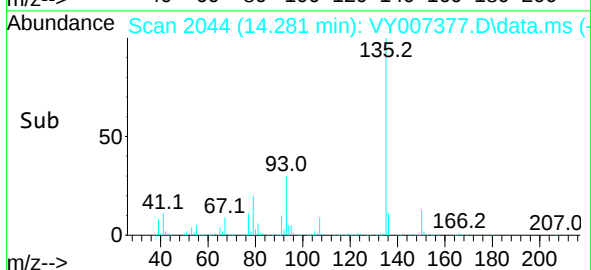
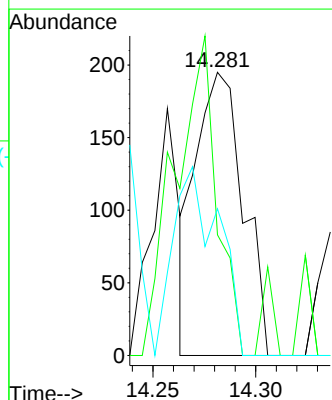
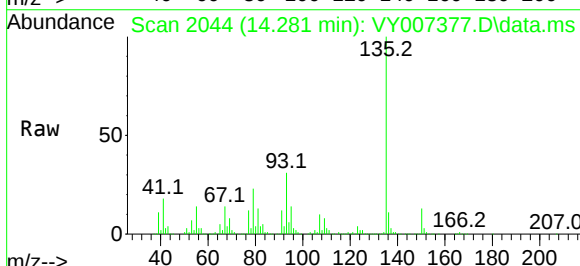
Tgt Ion: 75 Resp: 313

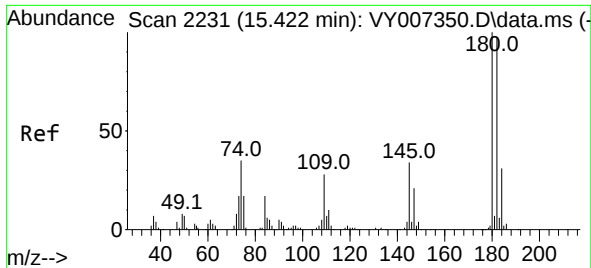
Ion Ratio Lower Upper

75 100

155 99.4 38.0 113.9

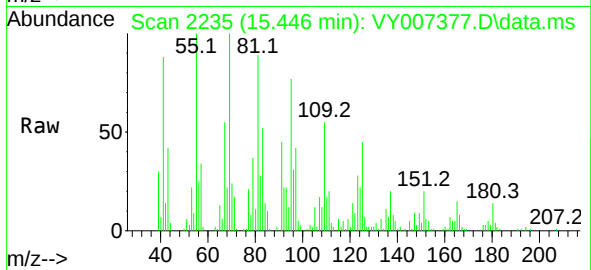
157 63.9 47.8 143.3





#96
 1,2,3-Trichlorobenzene
 Concen: 2.156 ug/l
 RT: 15.446 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: VY007377.D
 Acq: 03 Feb 2022 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 1447
 Ion Ratio Lower Upper
 180 100
 182 18.5 47.3 141.9#
 145 0.0 15.3 45.9#

