

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071122\
 Data File : VY009509.D
 Acq On : 11 Jul 2022 14:48
 Operator : KP/MD
 Sample : N3595-04RE
 Misc : 5.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 12 05:03:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

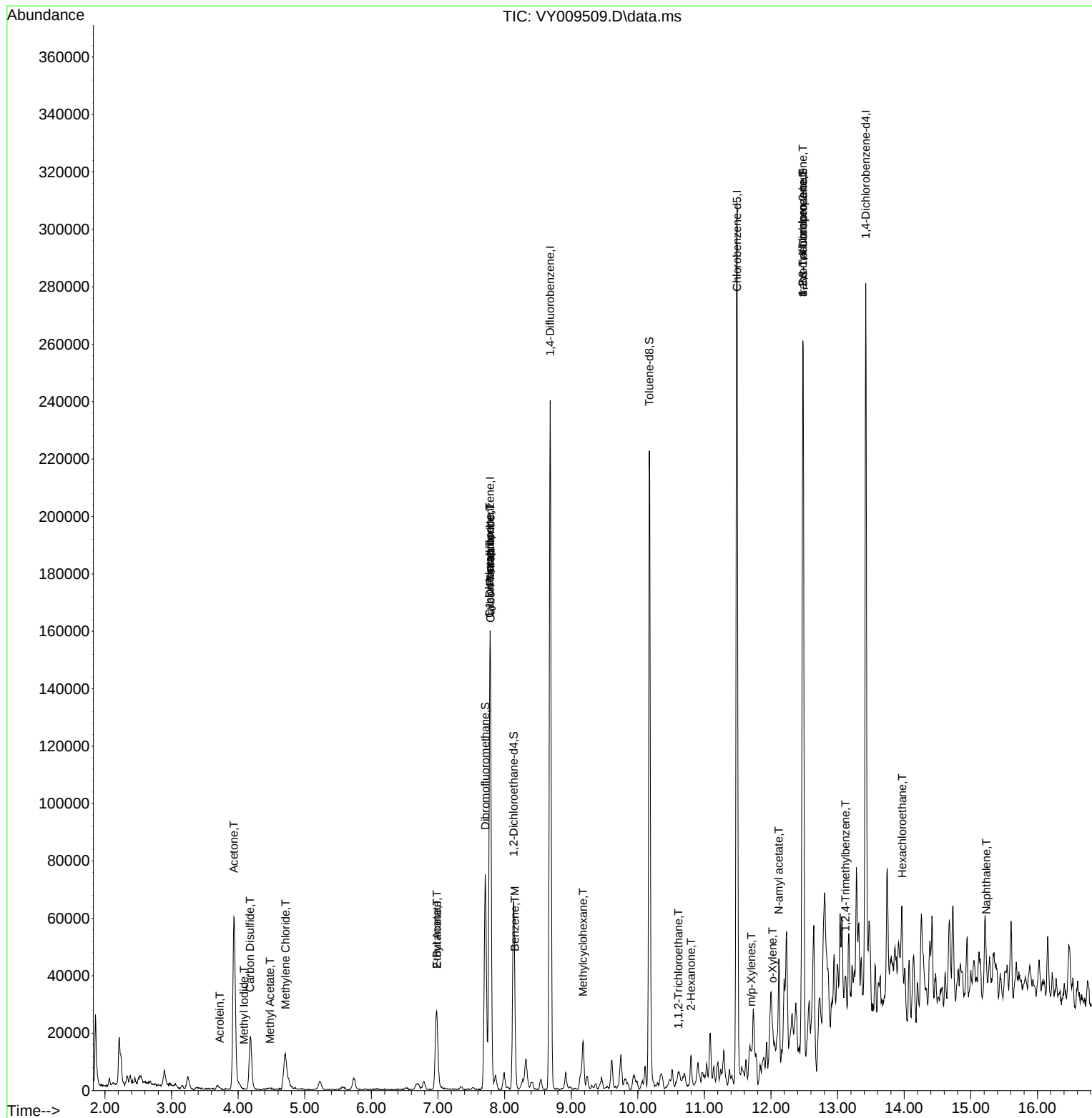
Internal Standards						
1) Pentafluorobenzene	7.783	168	125889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	199509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	166881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	63339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	48632	55.562	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.120%			
35) Dibromofluoromethane	7.710	113	51371	48.936	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.880%			
50) Toluene-d8	10.172	98	135991	46.715	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 93.440%			
62) 4-Bromofluorobenzene	12.477	95	61293	41.363	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 82.720%			
Target Compounds						Qvalue
10) Methyl Iodide	4.088	142	52	4.194	ug/l #	32
11) Tert butyl alcohol	4.942	59	272	Below Cal	#	77
13) Acrolein	3.722	56	723	36.619	ug/l	97
16) Acetone	3.936	43	102801	335.683	ug/l	92
17) Carbon Disulfide	4.180	76	36325	14.097	ug/l	96
18) Methyl Acetate	4.478	43	1061	1.180	ug/l #	56
20) Methylene Chloride	4.710	84	8741	1.438	ug/l	87
23) Vinyl Acetate	6.070	43	56	Below Cal	#	75
25) 2-Butanone	6.984	43	39915	80.570	ug/l	99
31) Cyclohexane	7.777	56	4376	2.119	ug/l #	57
36) 1,1-Dichloropropene	7.777	75	9310	5.447	ug/l #	50
37) Ethyl Acetate	6.984	43	39915	37.259	ug/l #	72
38) Carbon Tetrachloride	7.789	117	11733	6.419	ug/l #	15
39) Methylcyclohexane	9.179	83	5184	2.527	ug/l	96
40) Benzene	8.155	78	6863	1.368	ug/l	96
55) 1,1,2-Trichloroethane	10.611	97	1624	1.510	ug/l #	18
59) 2-Hexanone	10.800	43	5389	7.398	ug/l #	28
68) m/p-Xylenes	11.703	106	2245	1.006	ug/l	96
69) o-Xylene	12.026	106	2314	1.082	ug/l	87
74) N-amyl acetate	12.117	43	9726	7.891	ug/l #	63
76) 1,2,3-Trichloropropane	12.477	75	32108	47.887	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	32108	98.008	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.117	105	6721	1.865	ug/l	96
90) Hexachloroethane	13.971	117	776	1.000	ug/l #	6
95) Naphthalene	15.233	128	6336	2.635	ug/l #	89

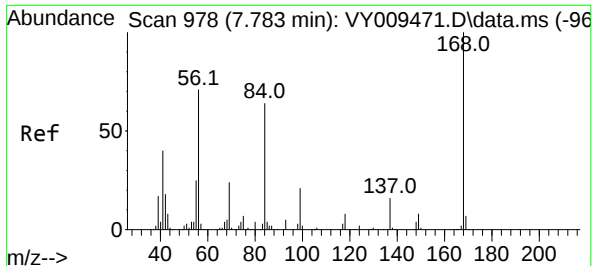
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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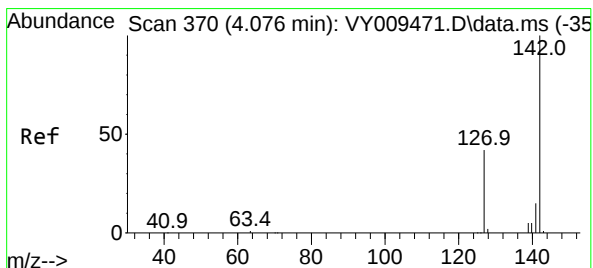
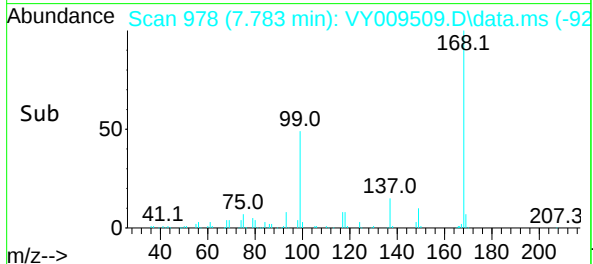
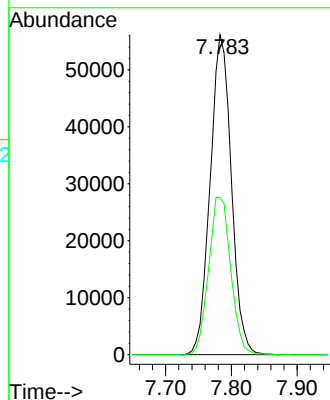
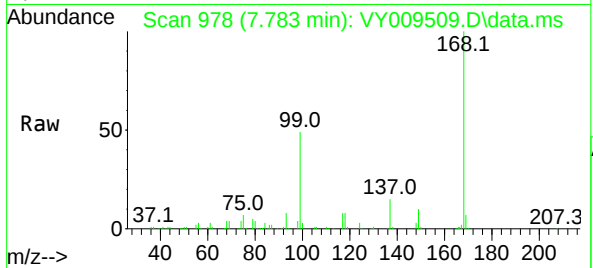




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

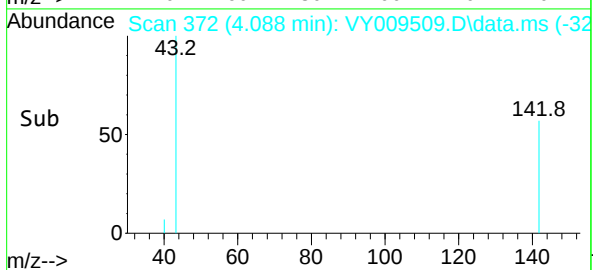
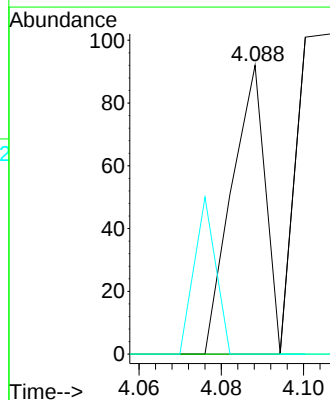
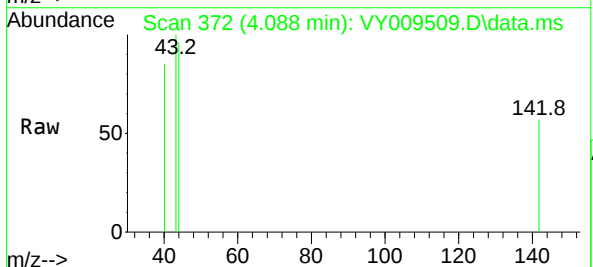
Instrument :
MSVOA_Y
ClientSampleId :

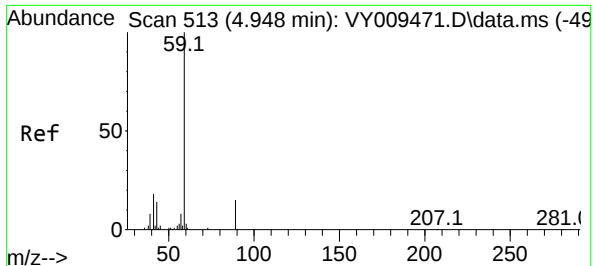
Tgt Ion:168 Resp: 125889
Ion Ratio Lower Upper
168 100
99 49.0 46.9 70.3



#10
Methyl Iodide
Concen: 4.194 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.012 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Tgt Ion:142 Resp: 52
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 34.6 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

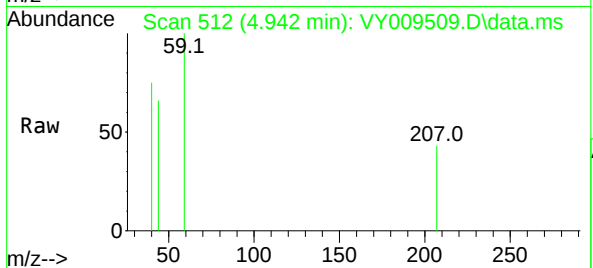
Lab File: VY009509.D

Acq: 11 Jul 2022 14:48

Instrument :

MSVOA_Y

ClientSampleId :

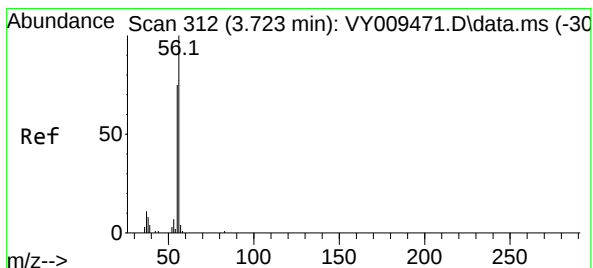
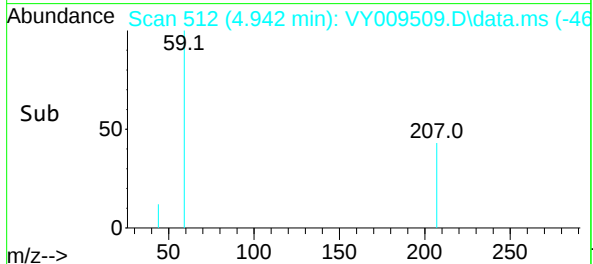
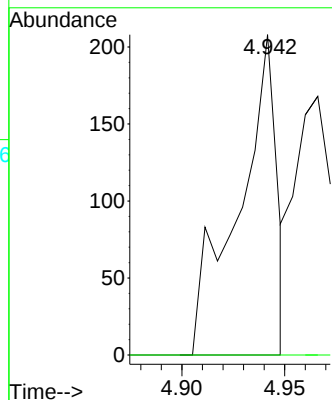


Tgt Ion: 59 Resp: 272

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: 36.619 ug/l

RT: 3.722 min Scan# 312

Delta R.T. -0.001 min

Lab File: VY009509.D

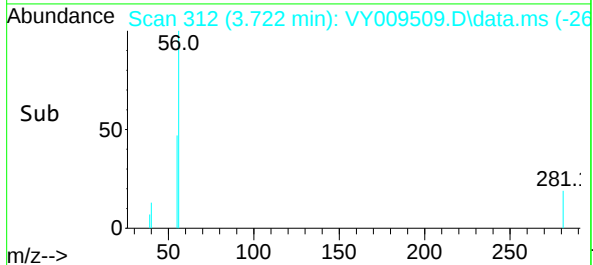
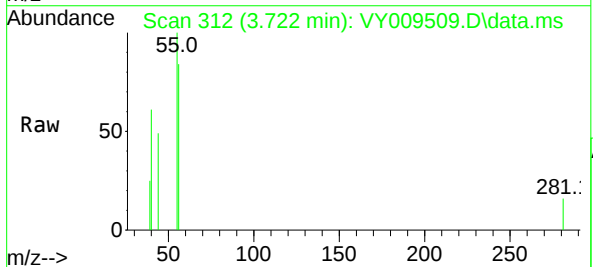
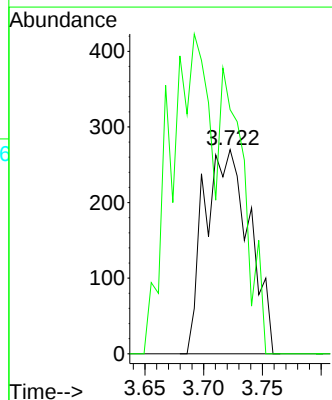
Acq: 11 Jul 2022 14:48

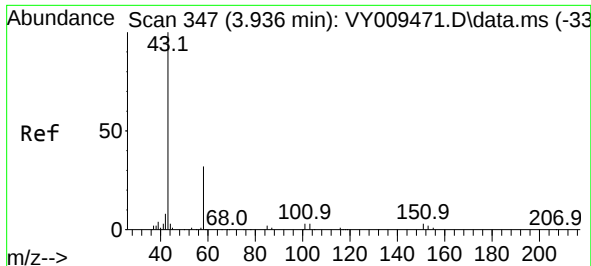
Tgt Ion: 56 Resp: 723

Ion Ratio Lower Upper

56 100

55 74.7 57.6 86.4





#16

Acetone

Concen: 335.683 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.000 min

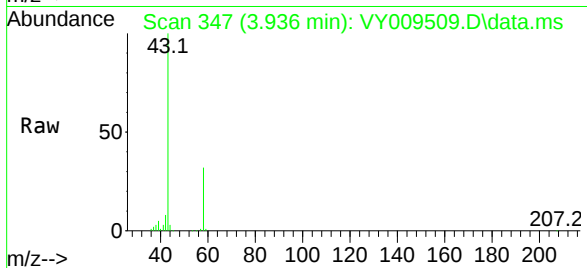
Lab File: VY009509.D

Acq: 11 Jul 2022 14:48

Instrument :

MSVOA_Y

ClientSampleId :

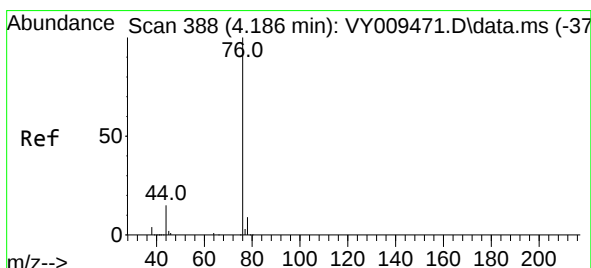
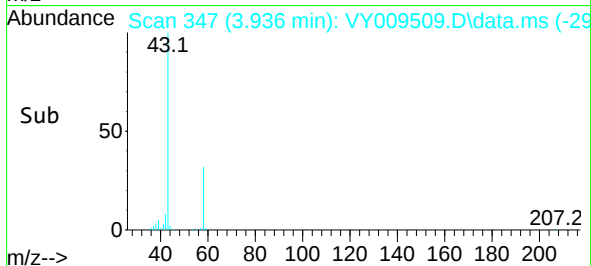
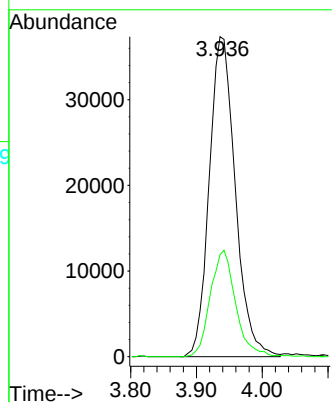


Tgt Ion: 43 Resp: 102801

Ion Ratio Lower Upper

43 100

58 31.9 22.0 33.0



#17

Carbon Disulfide

Concen: 14.097 ug/l

RT: 4.180 min Scan# 387

Delta R.T. -0.006 min

Lab File: VY009509.D

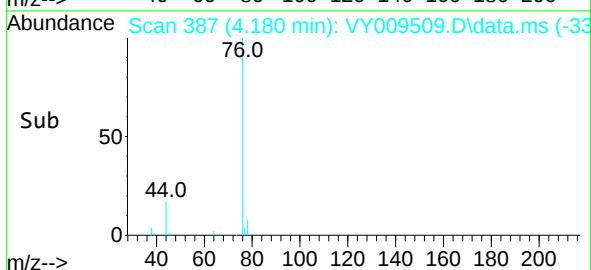
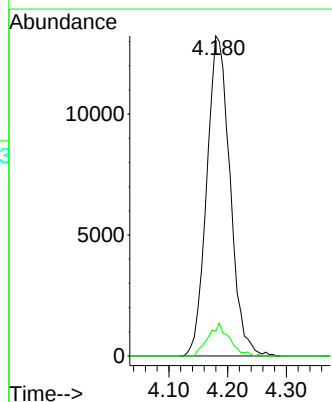
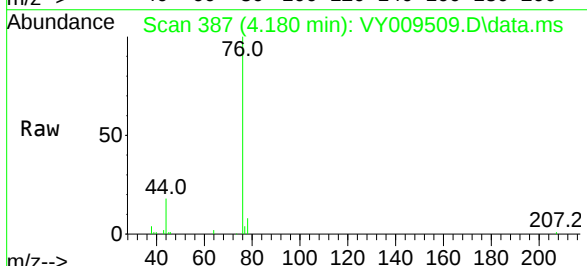
Acq: 11 Jul 2022 14:48

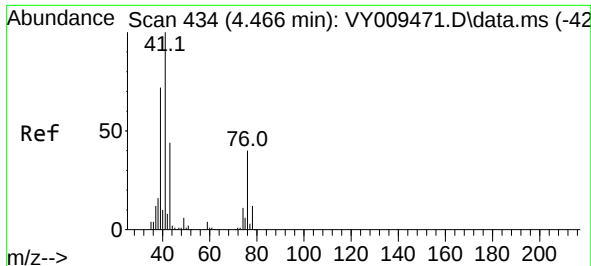
Tgt Ion: 76 Resp: 36325

Ion Ratio Lower Upper

76 100

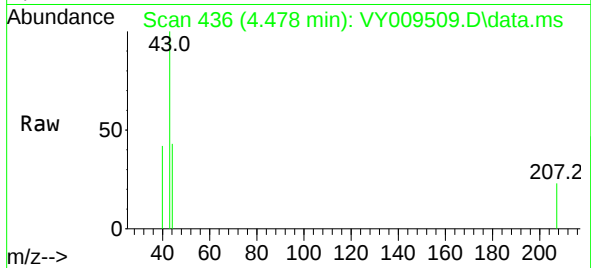
78 7.8 7.4 11.0



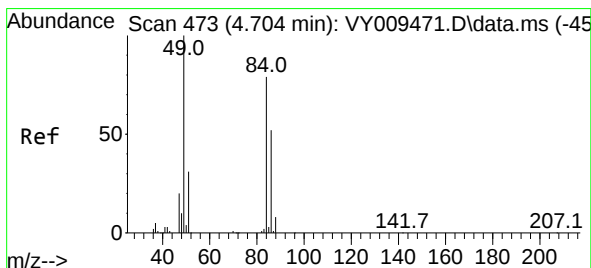
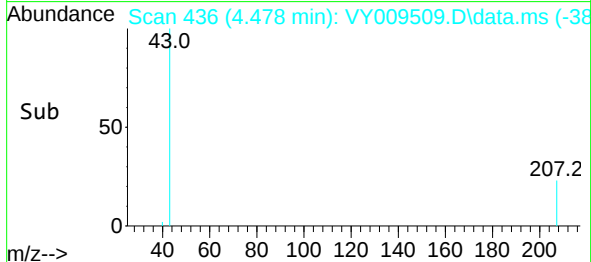
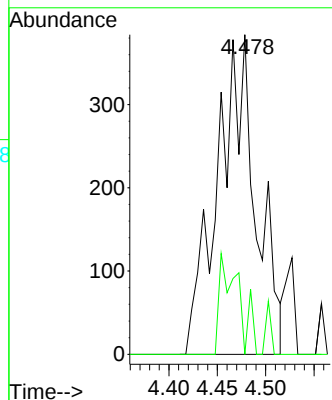


#18
Methyl Acetate
Concen: 1.180 ug/l
RT: 4.478 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Instrument :
MSVOA_Y
ClientSampleId :

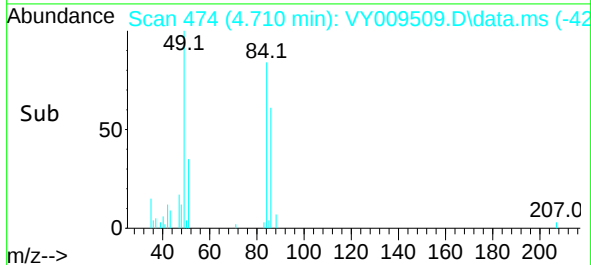
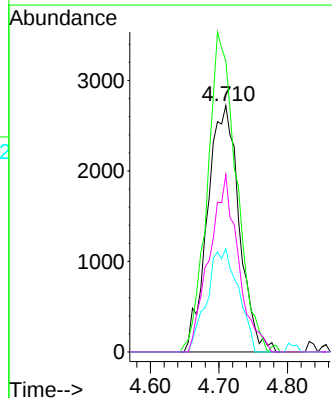
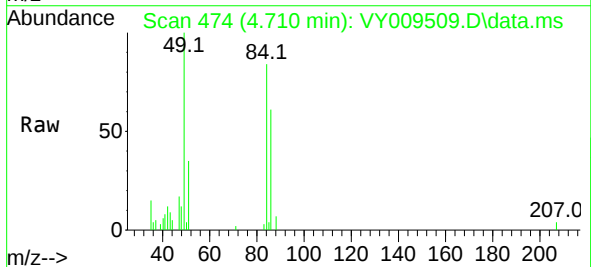


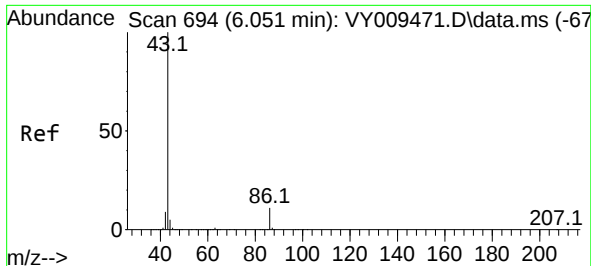
Tgt Ion: 43 Resp: 1061
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 1.438 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Tgt Ion: 84 Resp: 8741
Ion Ratio Lower Upper
84 100
49 118.4 114.4 171.6
51 42.0 35.3 52.9
86 72.0 53.7 80.5

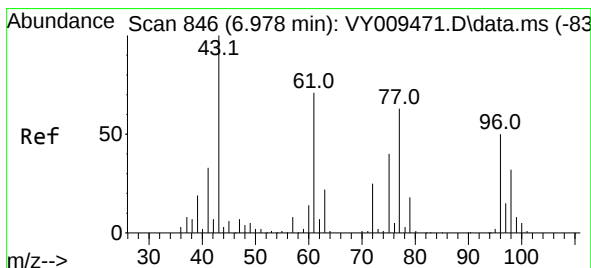
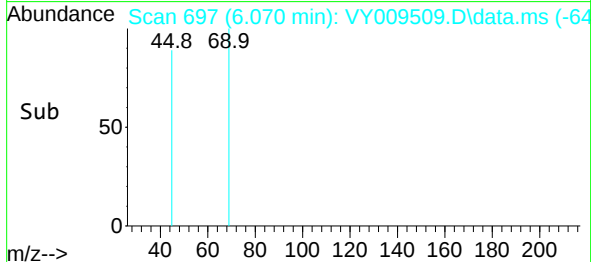
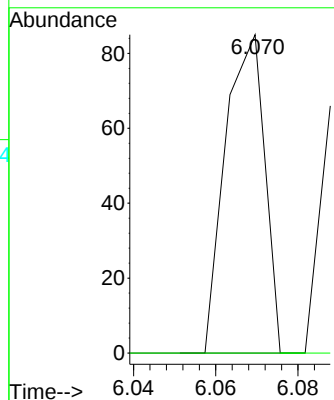
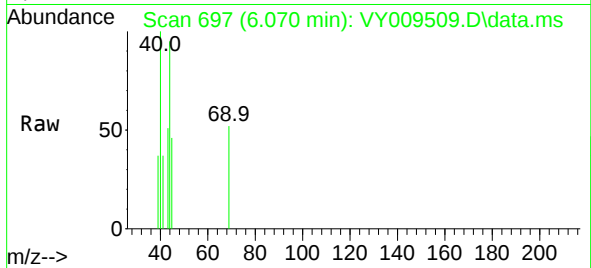




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 6.070 min Scan# 61
 Delta R.T. 0.019 min
 Lab File: VY009509.D
 Acq: 11 Jul 2022 14:48

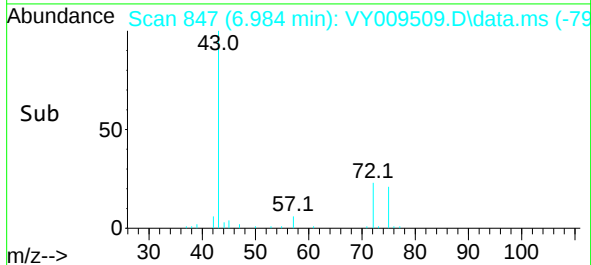
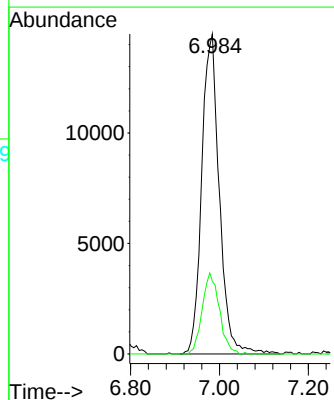
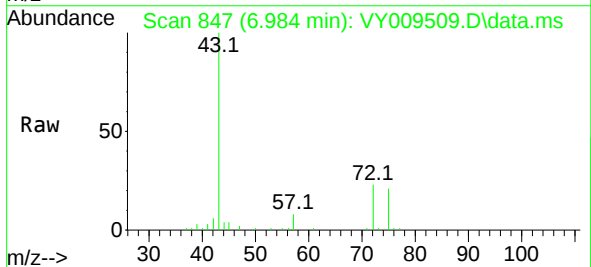
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 MSVOA_Y
 ClientSampleId :

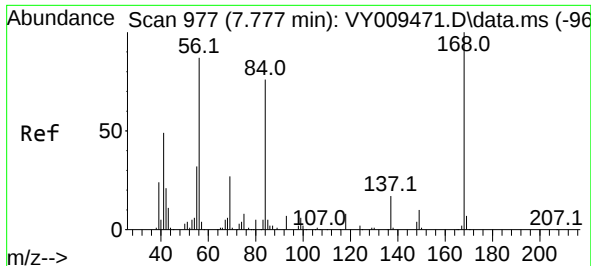
Tgt Ion: 43 Resp: 56
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 80.570 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. 0.006 min
 Lab File: VY009509.D
 Acq: 11 Jul 2022 14:48

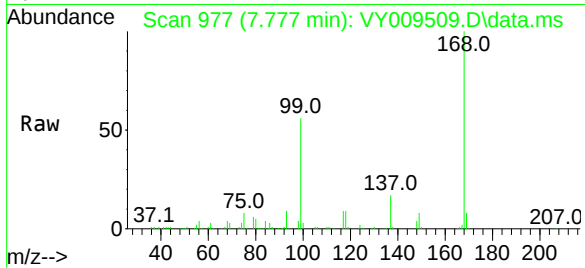
Tgt Ion: 43 Resp: 39915
 Ion Ratio Lower Upper
 43 100
 72 22.7 17.7 26.5



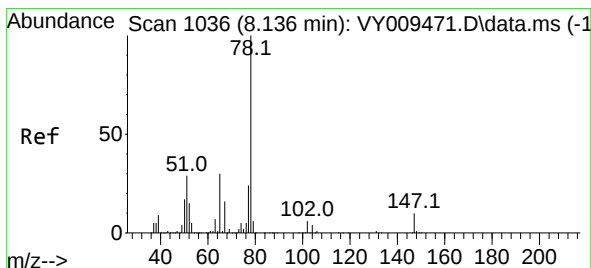
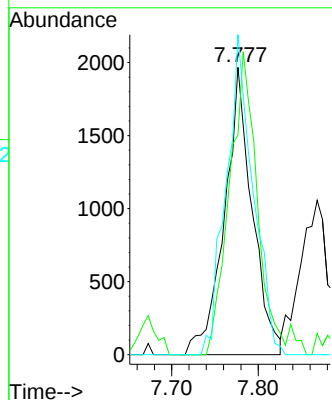
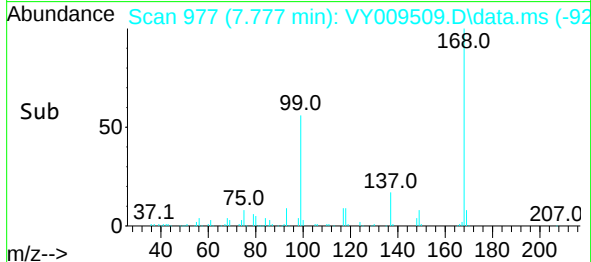


#31
Cyclohexane
Concen: 2.119 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Instrument :
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ClientSampleId :

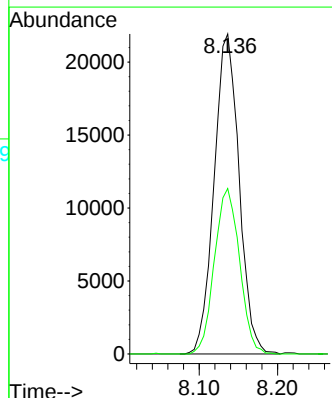
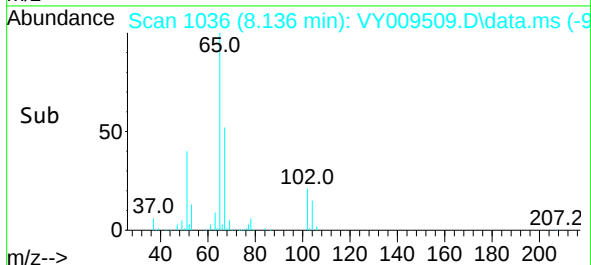
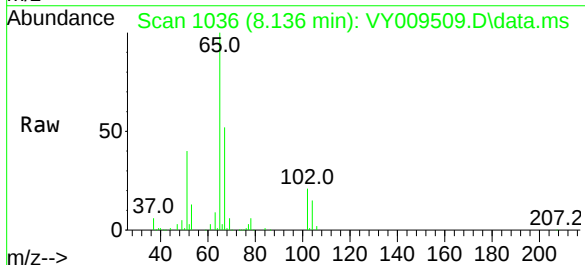


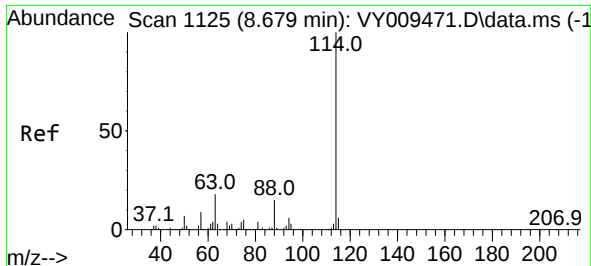
Tgt Ion: 56 Resp: 4376
Ion Ratio Lower Upper
56 100
69 76.5 26.7 40.1#
84 111.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.562 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

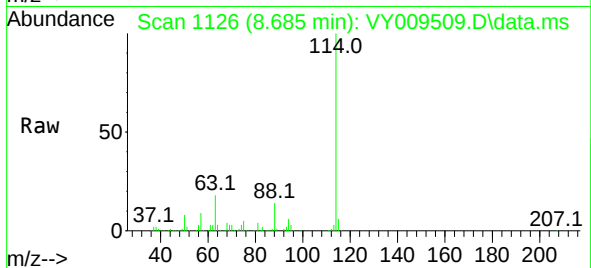
Tgt Ion: 65 Resp: 48632
Ion Ratio Lower Upper
65 100
67 51.9 0.0 99.4



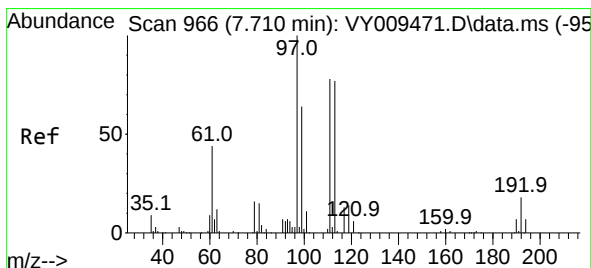
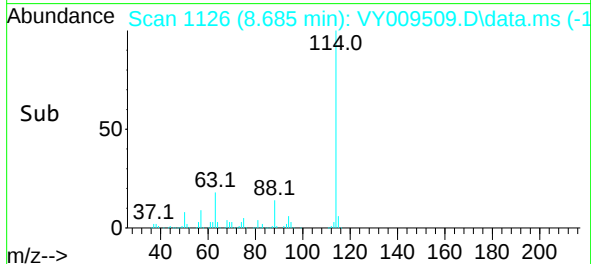
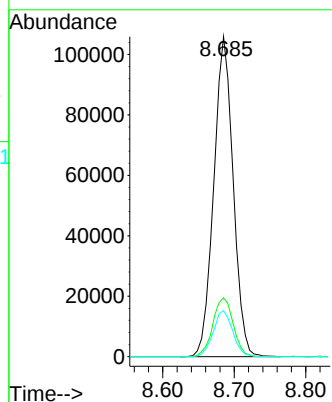


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Instrument :
MSVOA_Y
ClientSampleId :

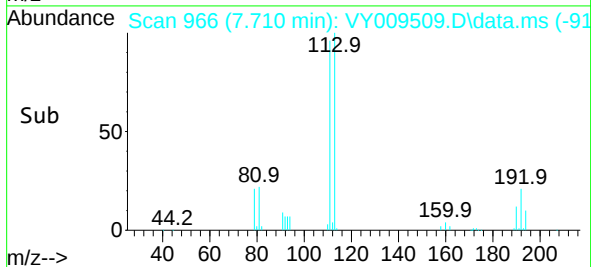
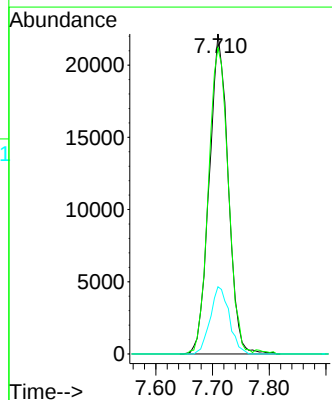
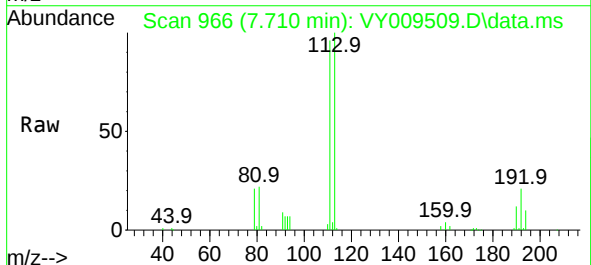


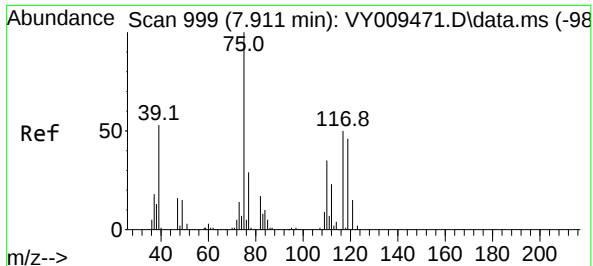
Tgt Ion:114 Resp: 199509
Ion Ratio Lower Upper
114 100
63 18.4 0.0 43.2
88 14.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.936 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

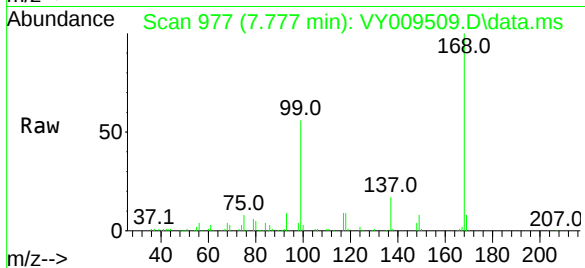
Tgt Ion:113 Resp: 51371
Ion Ratio Lower Upper
113 100
111 99.9 82.6 124.0
192 21.1 17.6 26.4



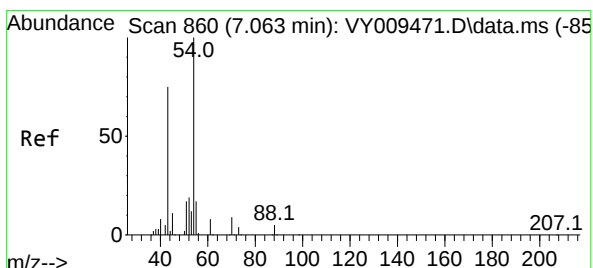
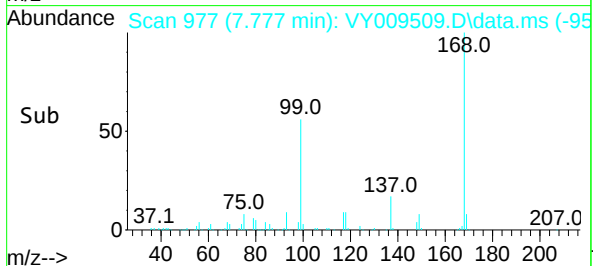
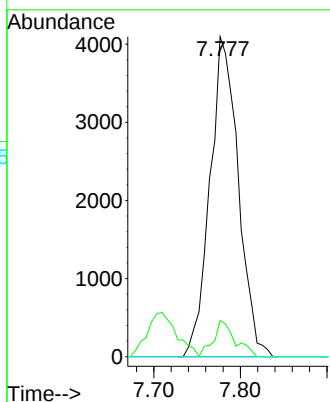


#36
1,1-Dichloropropene
Concen: 5.447 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Instrument :
MSVOA_Y
ClientSampleId :

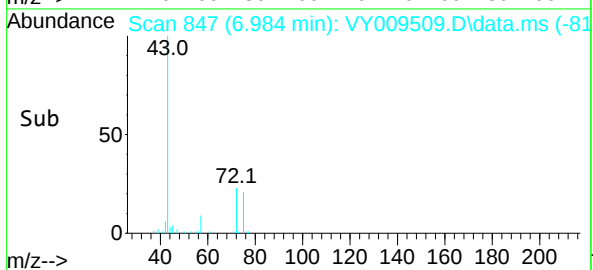
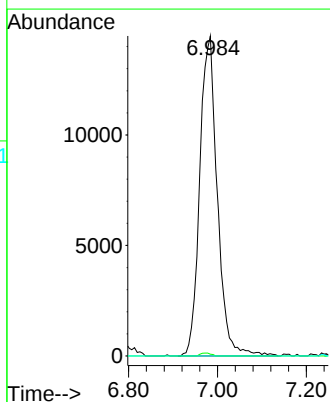
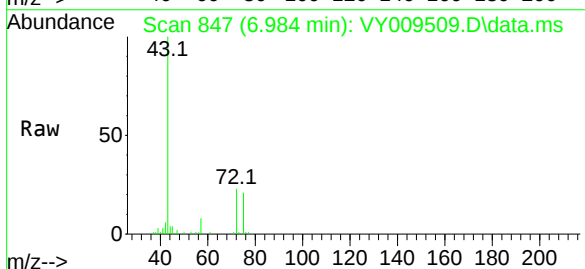


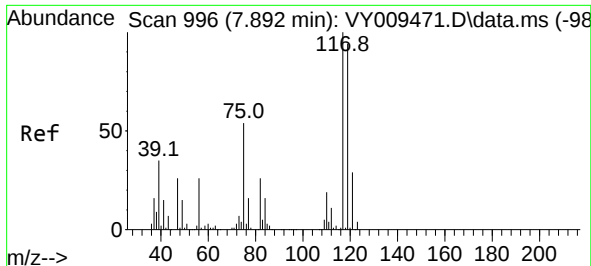
Tgt Ion: 75 Resp: 9310
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 37.259 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.079 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

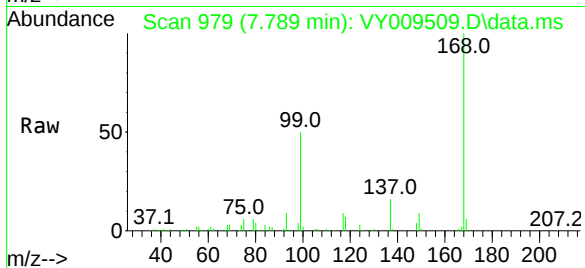
Tgt Ion: 43 Resp: 39915
Ion Ratio Lower Upper
43 100
61 0.6 9.7 14.5#
70 0.0 7.1 10.7#



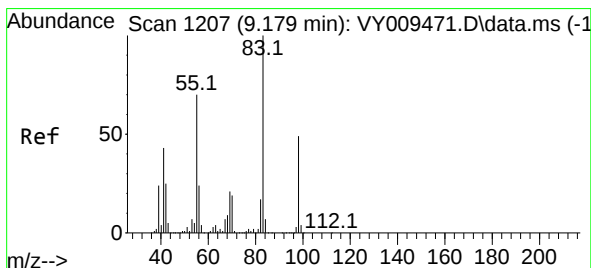
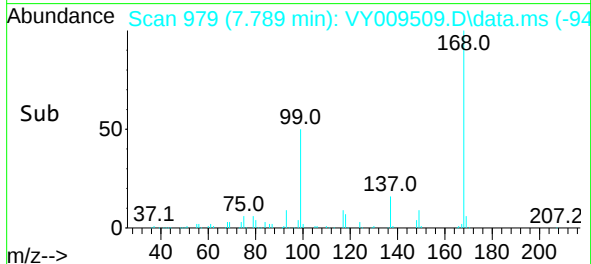
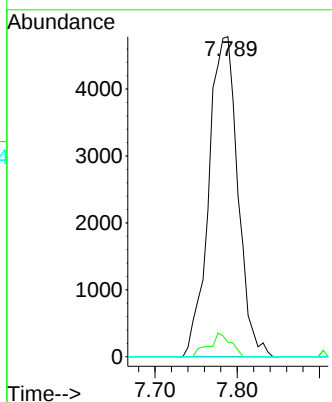


#38
Carbon Tetrachloride
Concen: 6.419 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Instrument :
MSVOA_Y
ClientSampleId :

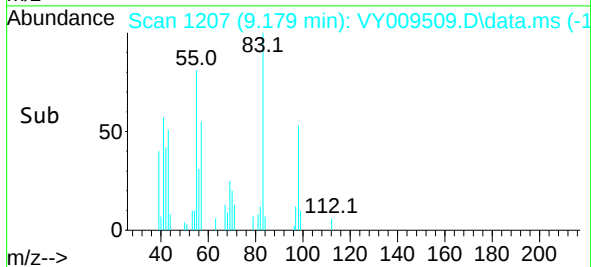
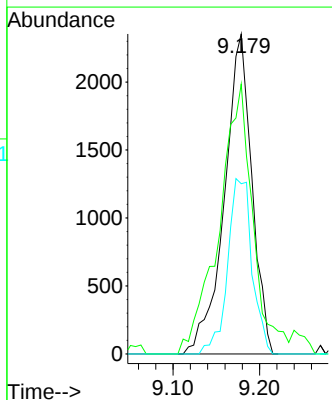
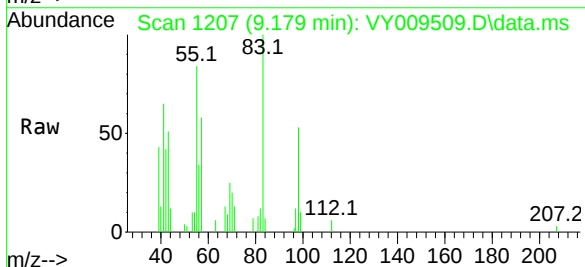


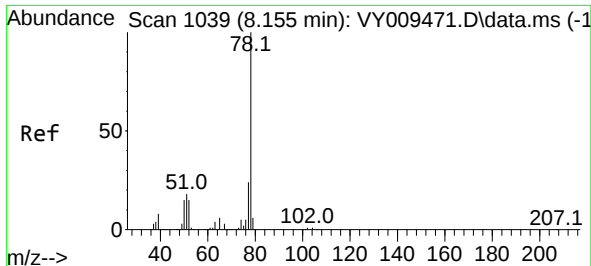
Tgt Ion:117 Resp: 11733
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 2.527 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Tgt Ion: 83 Resp: 5184
Ion Ratio Lower Upper
83 100
55 84.3 66.5 99.7
98 53.2 37.9 56.9

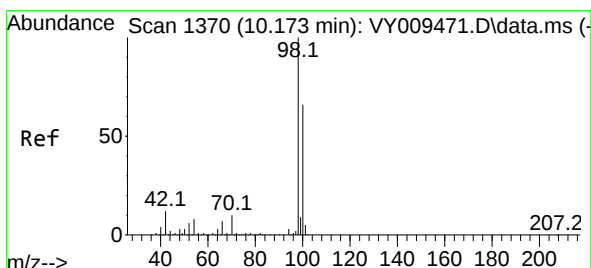
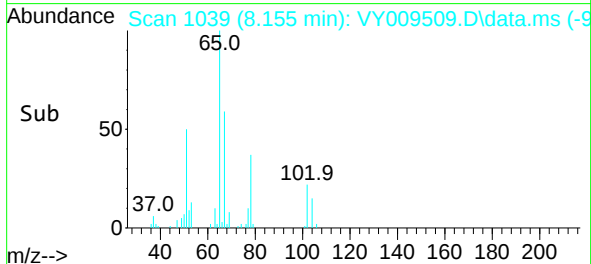
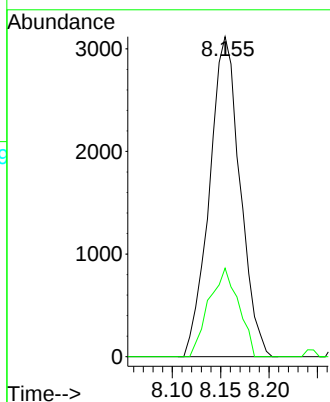
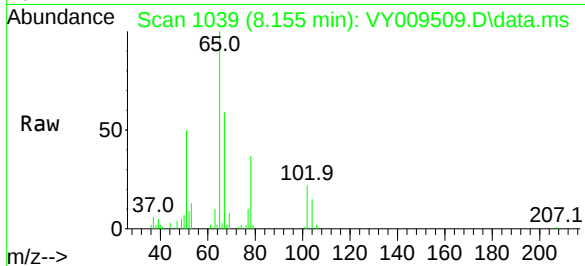




#40
Benzene
Concen: 1.368 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

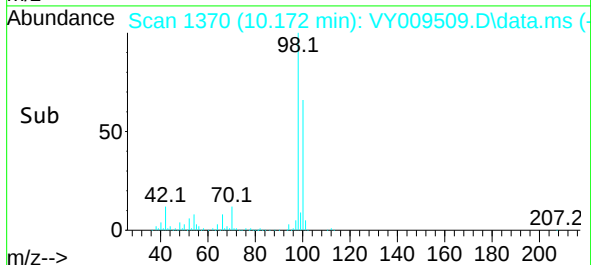
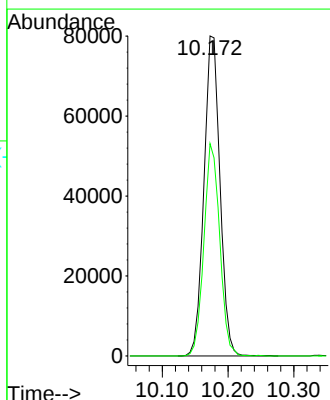
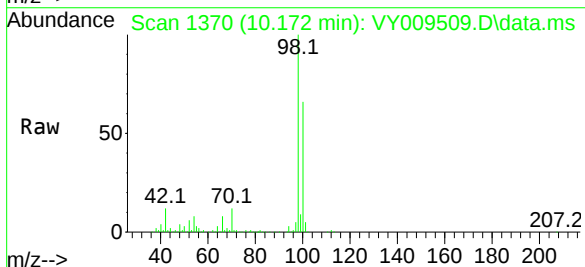
Instrument :
MSVOA_Y
ClientSampleId :

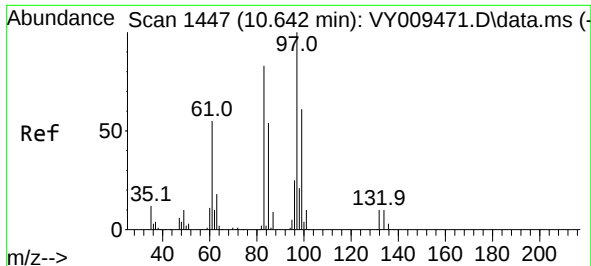
Tgt Ion: 78 Resp: 6863
Ion Ratio Lower Upper
78 100
77 27.6 20.4 30.6



#50
Toluene-d8
Concen: 46.715 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.001 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

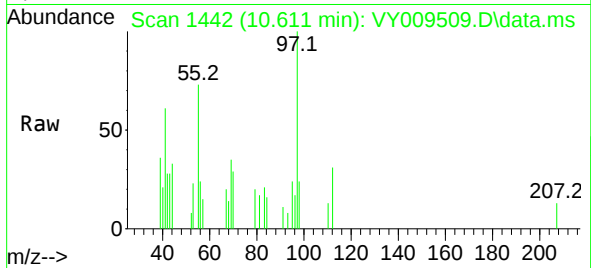
Tgt Ion: 98 Resp: 135991
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



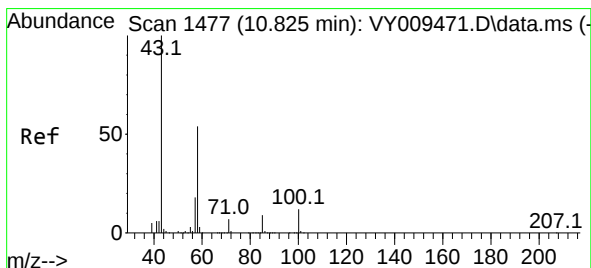
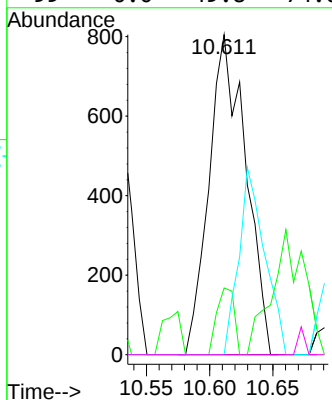
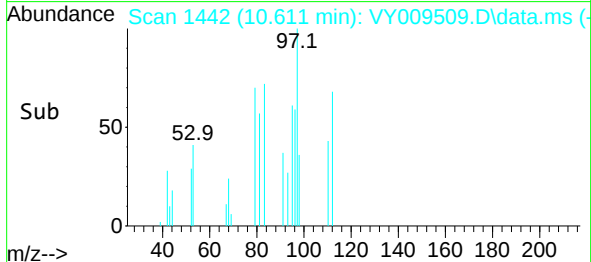


#55
1,1,2-Trichloroethane
Concen: 1.510 ug/l
RT: 10.611 min Scan# 1442
Delta R.T. -0.031 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Instrument :
MSVOA_Y
ClientSampleId :

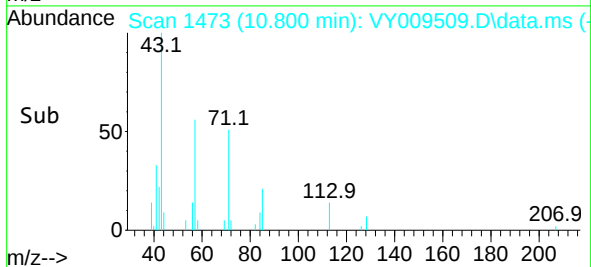
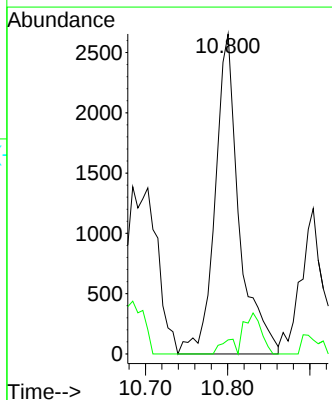
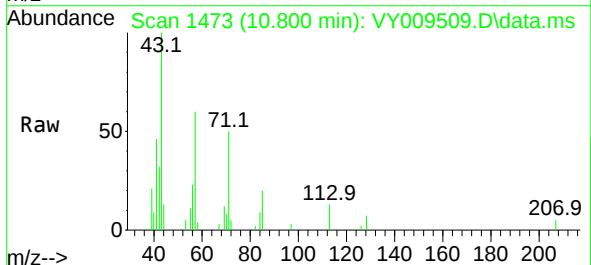


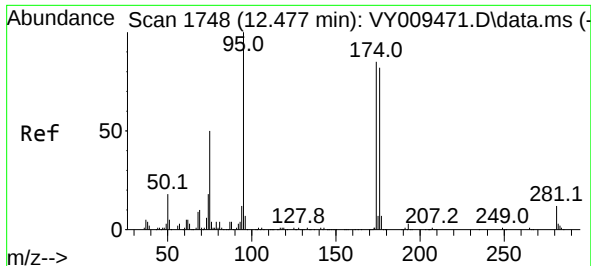
Tgt Ion: 97	Resp: 1624
Ion Ratio	Lower Upper
97 100	
83 7.3	69.8 104.8#
85 0.0	44.3 66.5#
99 0.0	49.8 74.6#



#59
2-Hexanone
Concen: 7.398 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.025 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Tgt Ion: 43	Resp: 5389
Ion Ratio	Lower Upper
43 100	
58 0.0	24.4 73.4#

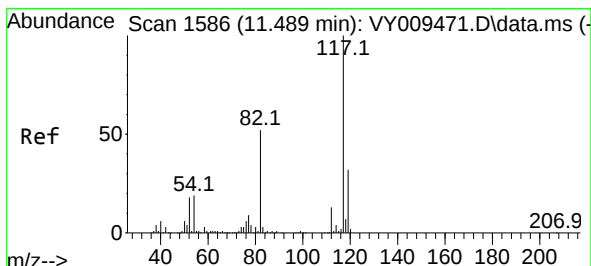
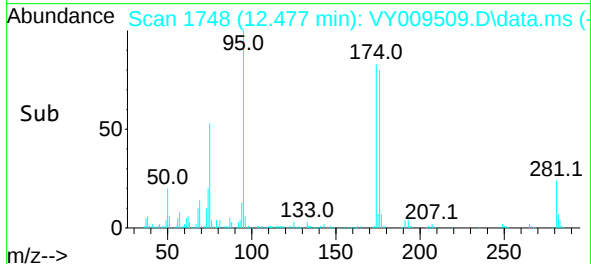
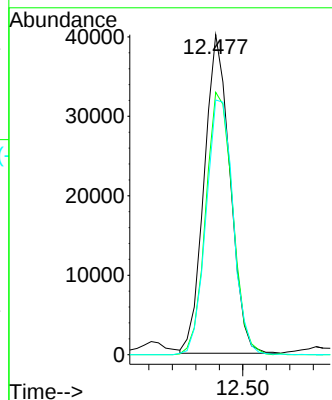
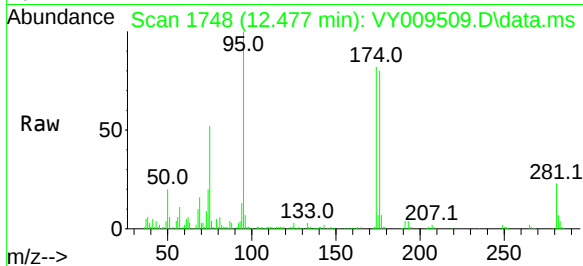




#62
4-Bromofluorobenzene
Concen: 41.363 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

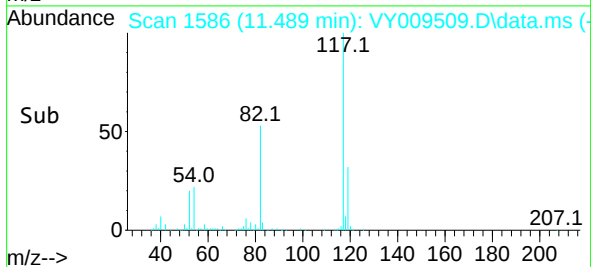
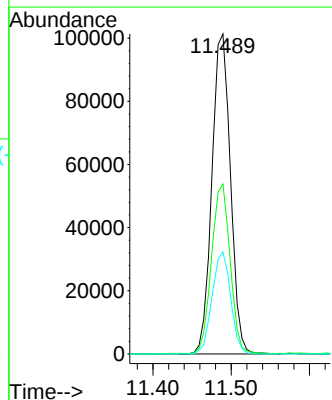
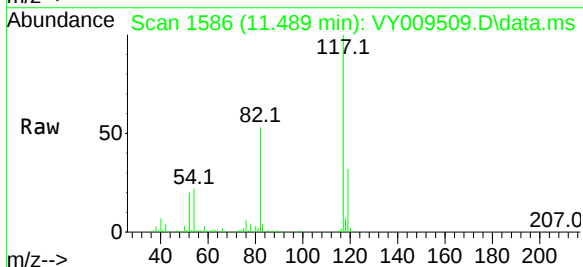
Instrument :
MSVOA_Y
ClientSampleId :

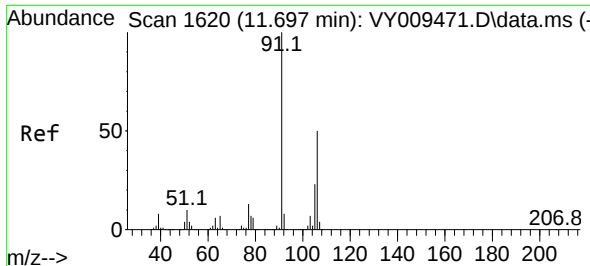
Tgt Ion: 95 Resp: 61293
Ion Ratio Lower Upper
95 100
174 85.5 0.0 177.0
176 83.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Tgt Ion: 117 Resp: 166881
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 31.9 25.4 38.0

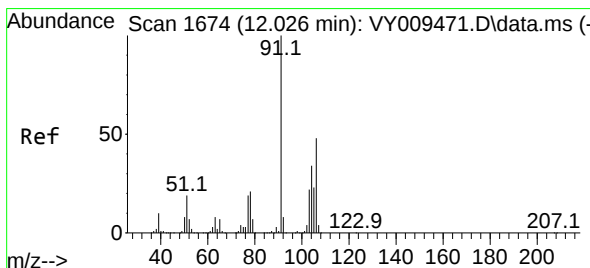
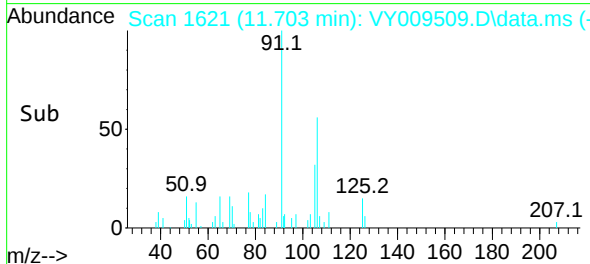
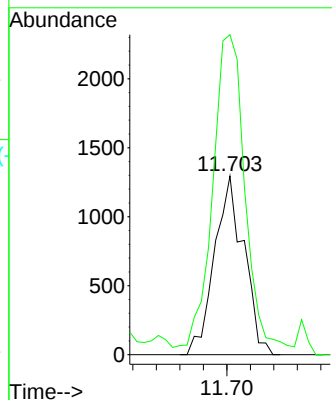
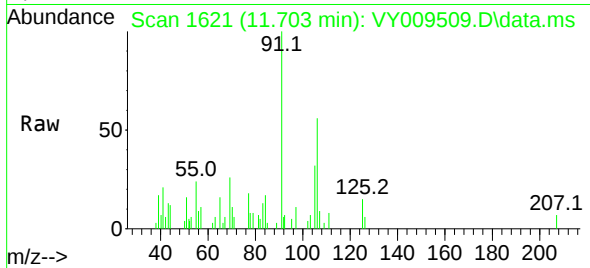




#68
m/p-Xylenes
Concen: 1.006 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

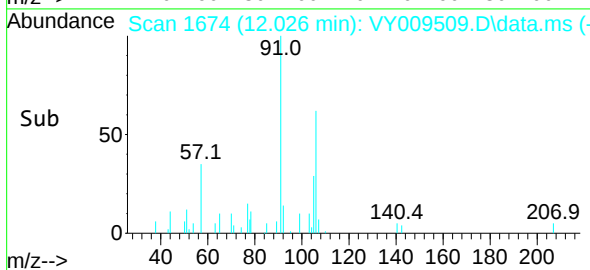
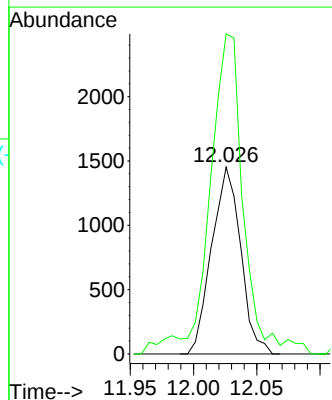
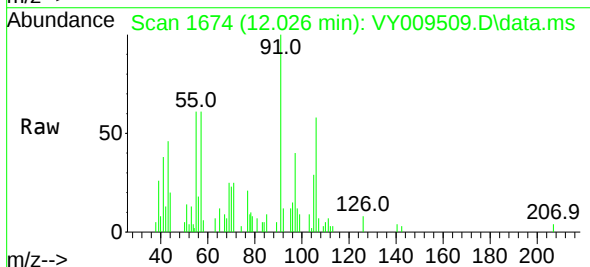
Instrument :
MSVOA_Y
ClientSampleId :

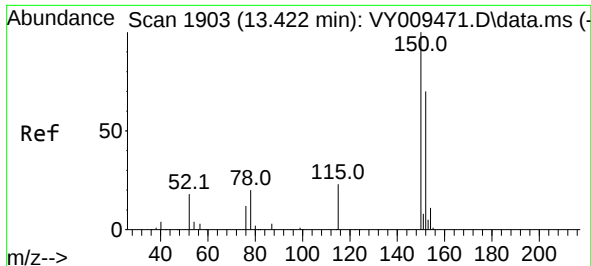
Tgt Ion:106 Resp: 2245
Ion Ratio Lower Upper
106 100
91 201.5 166.6 249.8



#69
o-Xylene
Concen: 1.082 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

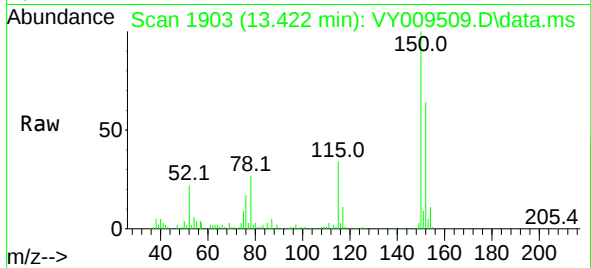
Tgt Ion:106 Resp: 2314
Ion Ratio Lower Upper
106 100
91 199.7 110.3 331.0



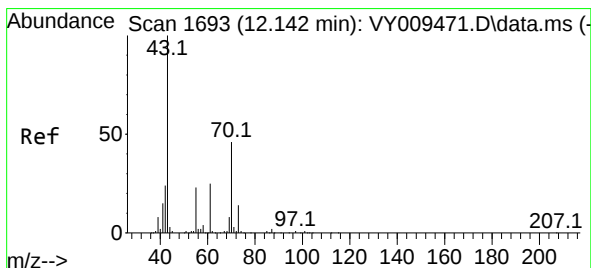
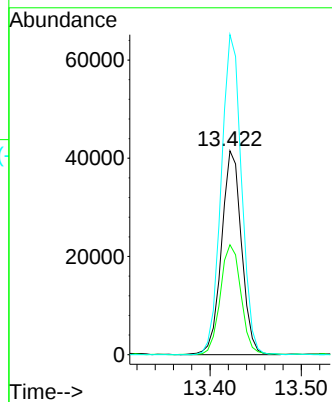
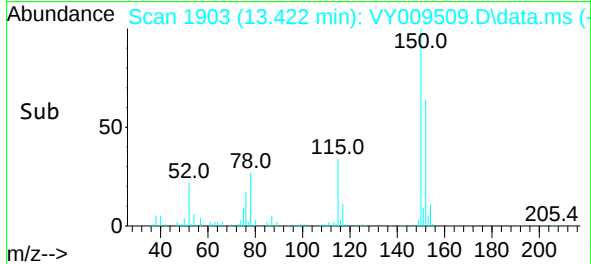


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

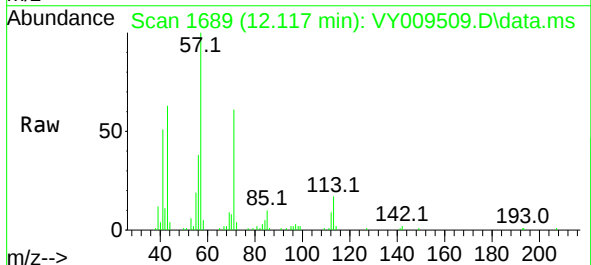
Instrument :
MSVOA_Y
ClientSampleId :



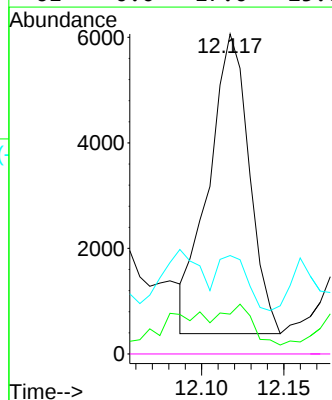
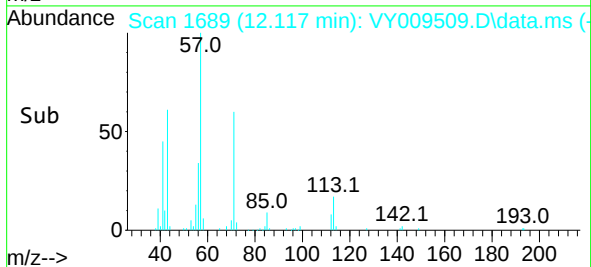
Tgt Ion:152 Resp: 63339
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.7
150 158.6 0.0 347.6

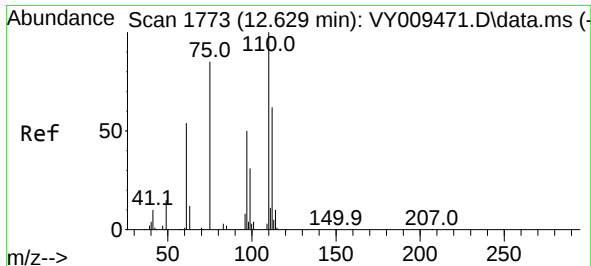


#74
N-ethyl acetate
Concen: 7.891 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.025 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48



Tgt Ion: 43 Resp: 9726
Ion Ratio Lower Upper
43 100
70 10.2 28.7 43.1#
55 13.2 17.3 25.9#
61 0.0 17.0 25.6#

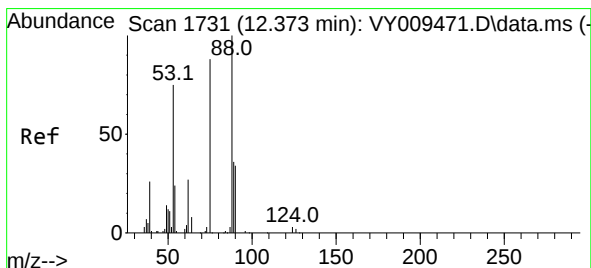
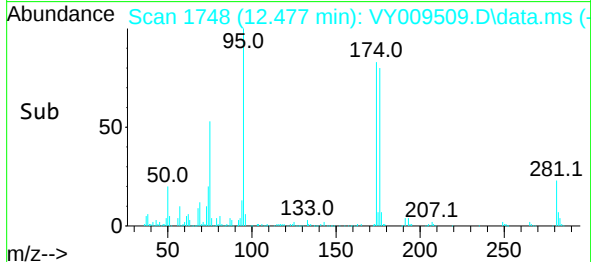
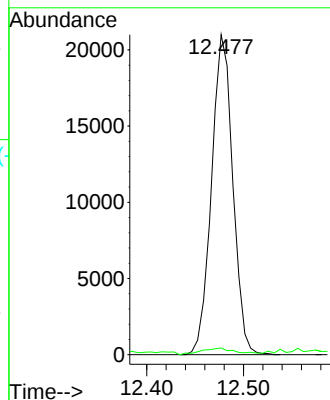
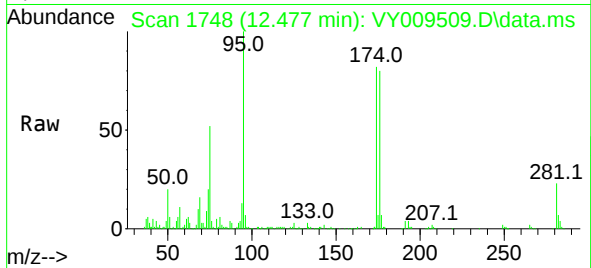




#76
1,2,3-Trichloropropane
Concen: 47.887 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

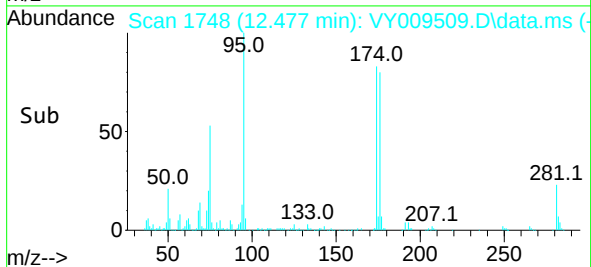
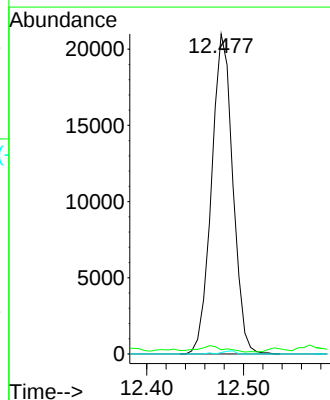
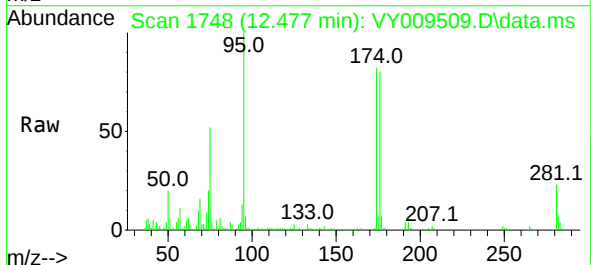
Instrument :
MSVOA_Y
ClientSampleId :

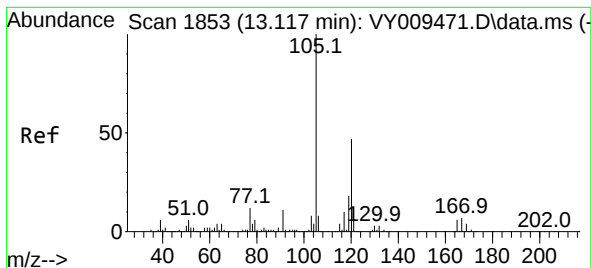
Tgt Ion: 75 Resp: 32108
Ion Ratio Lower Upper
75 100
77 3.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.008 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009509.D
Acq: 11 Jul 2022 14:48

Tgt Ion: 75 Resp: 32108
Ion Ratio Lower Upper
75 100
53 2.1 85.3 127.9#
89 0.0 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.865 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY009509.D

Acq: 11 Jul 2022 14:48

Instrument :

MSVOA_Y

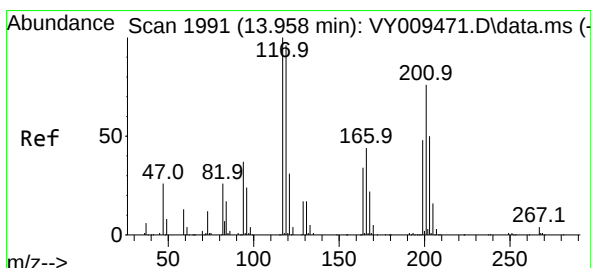
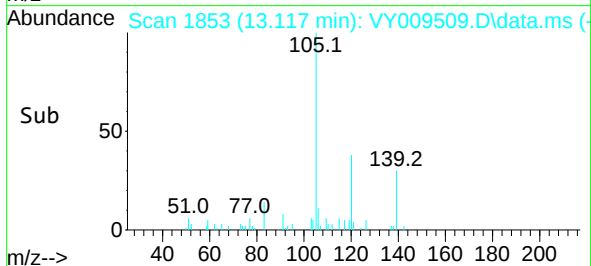
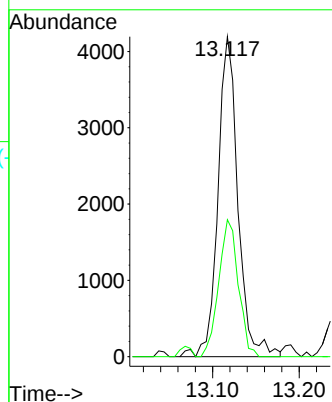
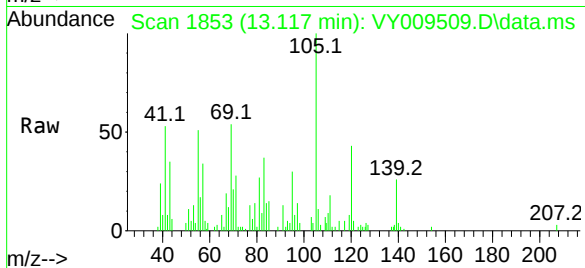
ClientSampleId :

Tgt Ion:105 Resp: 6721

Ion Ratio Lower Upper

105 100

120 42.1 22.3 66.9



#90

Hexachloroethane

Concen: 1.000 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.013 min

Lab File: VY009509.D

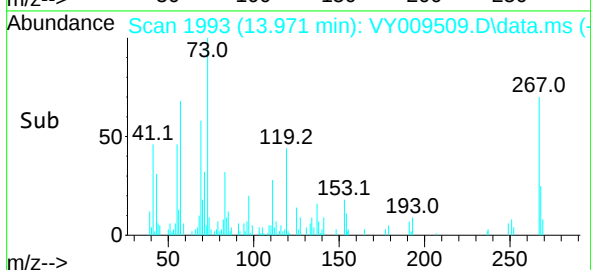
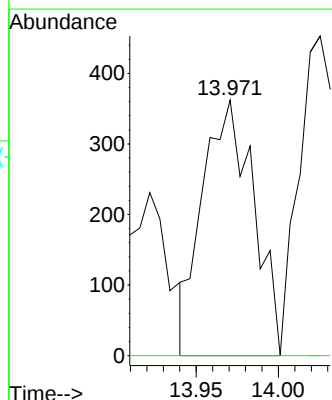
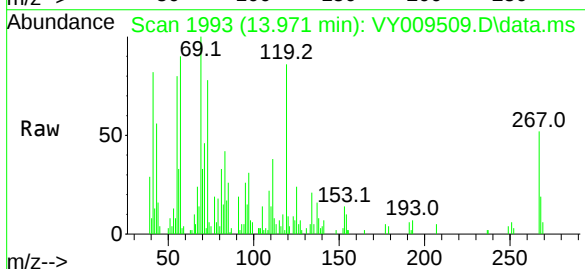
Acq: 11 Jul 2022 14:48

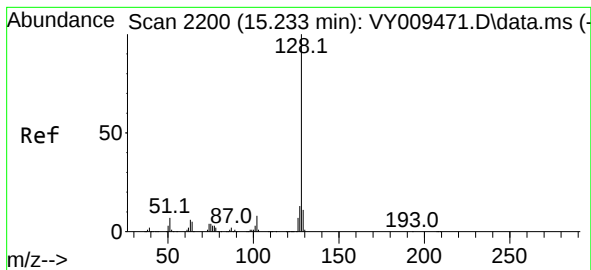
Tgt Ion:117 Resp: 776

Ion Ratio Lower Upper

117 100

201 0.0 43.0 128.8#





#95

Naphthalene

Concen: 2.635 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

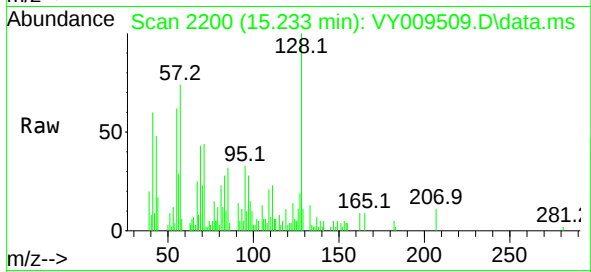
Lab File: VY009509.D

Acq: 11 Jul 2022 14:48

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	128	Resp:	6336
Ion	Ratio	Lower	Upper
128	100		
127	20.3	11.0	16.4#
129	12.0	8.4	12.6

