

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061722\
 Data File : VY009225.D
 Acq On : 17 Jun 2022 14:31
 Operator : KP/MD
 Sample : N3383-01
 Misc : 6.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 17 22:53:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 16 02:54:06 2022
 Response via : Initial Calibration

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

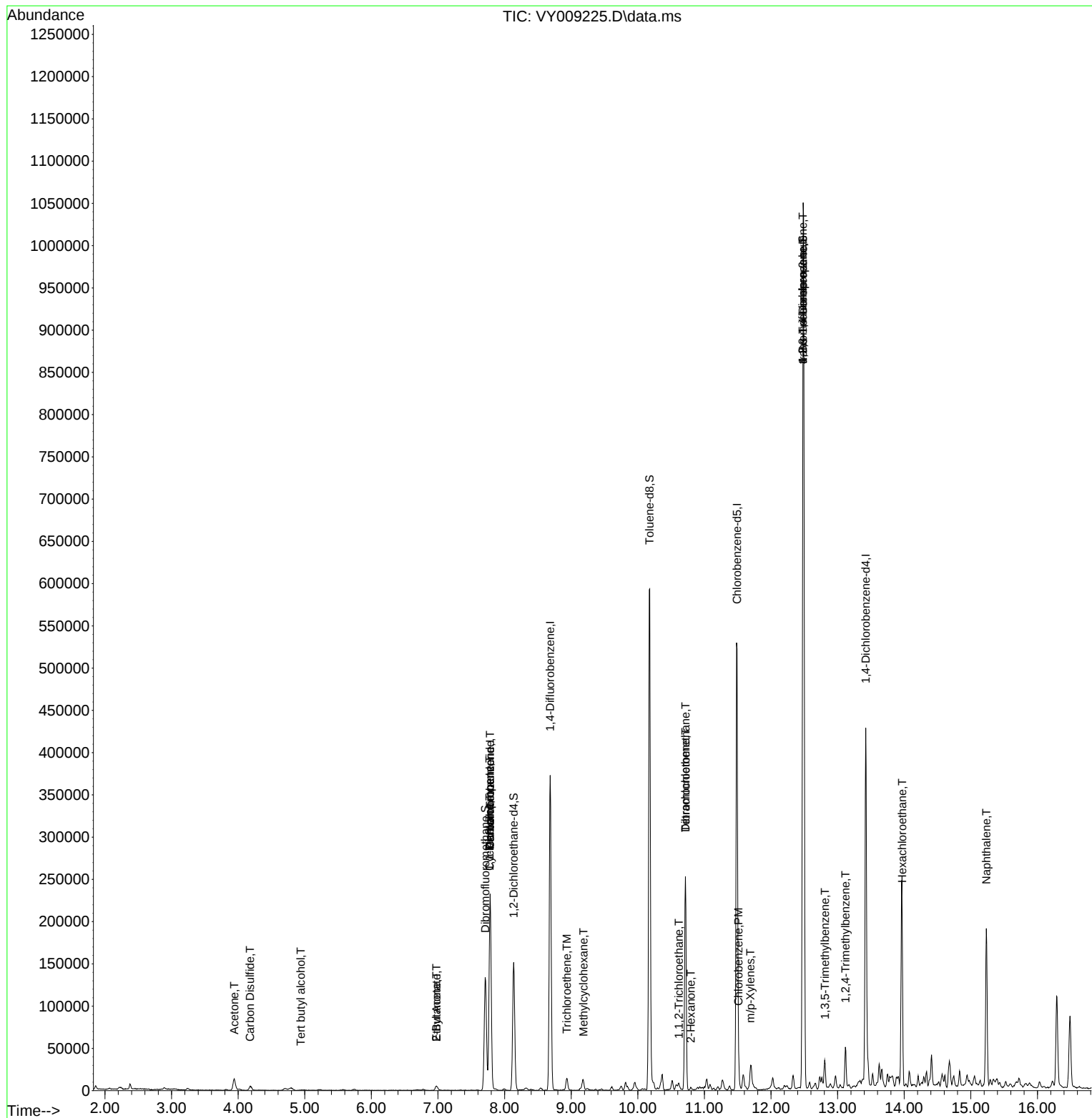
Internal Standards						
1) Pentafluorobenzene	7.782	168	180970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	319235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	286274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	111564	59.016	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.040%	
35) Dibromofluoromethane	7.709	113	94361	47.145	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.300%	
50) Toluene-d8	10.178	98	383311	50.310	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.620%	
62) 4-Bromofluorobenzene	12.477	95	122465	45.233	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.460%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.941	59	468	1.560	ug/l #	77
13) Acrolein	3.716	56	55	Below Cal		86
16) Acetone	3.942	43	23046	48.397	ug/l #	87
17) Carbon Disulfide	4.179	76	9428	1.891	ug/l	98
18) Methyl Acetate	4.472	43	29	Below Cal	#	56
20) Methylene Chloride	4.698	84	1525	Below Cal	#	54
25) 2-Butanone	6.978	43	3722	4.939	ug/l	97
31) Cyclohexane	7.776	56	5091	1.503	ug/l #	32
36) 1,1-Dichloropropene	7.776	75	13556	4.403	ug/l #	51
37) Ethyl Acetate	6.978	43	3722	2.032	ug/l #	43
38) Carbon Tetrachloride	7.782	117	16878	5.302	ug/l #	15
39) Methylcyclohexane	9.185	83	5071	1.366	ug/l #	85
44) Trichloroethene	8.935	130	5309	2.066	ug/l	94
55) 1,1,2-Trichloroethane	10.617	97	2911	1.569	ug/l #	21
59) 2-Hexanone	10.794	43	1843	1.507	ug/l #	28
60) Dibromochloromethane	10.715	129	46627	20.529	ug/l #	11
64) Tetrachloroethene	10.715	164	52147	19.662	ug/l	98
65) Chlorobenzene	11.514	112	12743	2.055	ug/l	99
68) m/p-Xylenes	11.690	106	8804	2.064	ug/l	84
76) 1,2,3-Trichloropropane	12.477	75	69534	57.434	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	10788	1.564	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.477	75	69534	114.461	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	25765	3.806	ug/l	96
90) Hexachloroethane	13.970	117	1585	1.128	ug/l #	8
95) Naphthalene	15.232	128	148520	32.028	ug/l	99

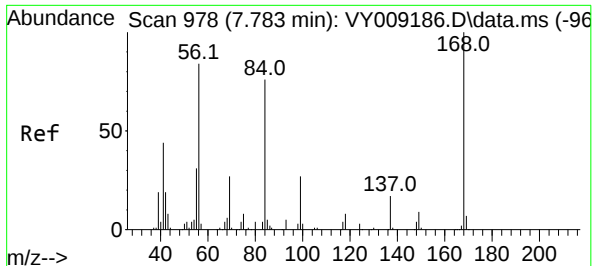
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061722\
Data File : VY009225.D
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

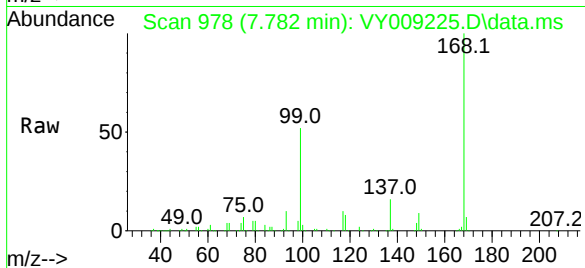
Quant Time: Jun 17 22:53:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 16 02:54:06 2022
Response via : Initial Calibration



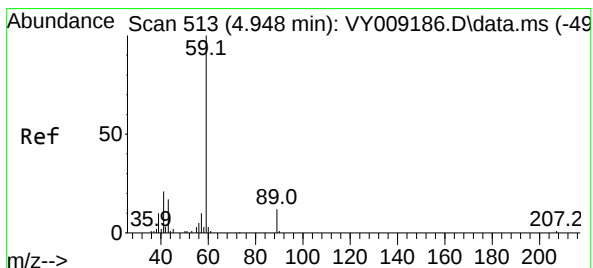
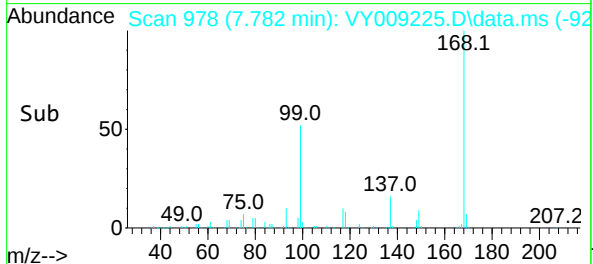
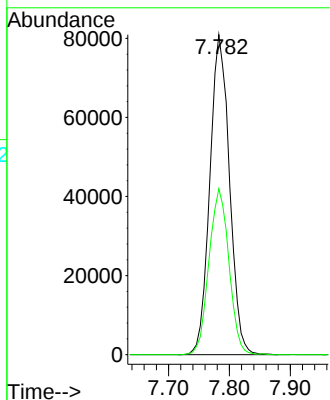


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

Instrument :
MSVOA_Y
ClientSampleId :

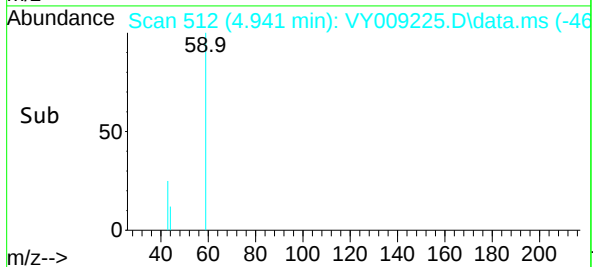
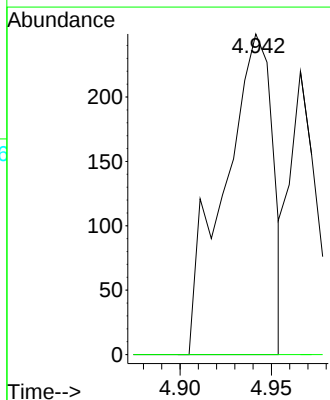
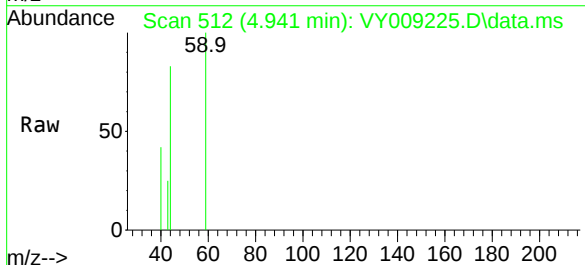


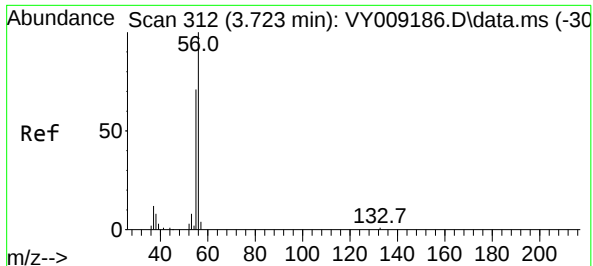
Tgt Ion:168 Resp: 180970
Ion Ratio Lower Upper
168 100
99 51.9 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.560 ug/l
RT: 4.941 min Scan# 512
Delta R.T. -0.007 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

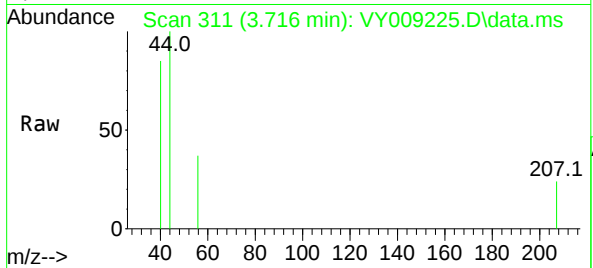
Tgt Ion: 59 Resp: 468
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



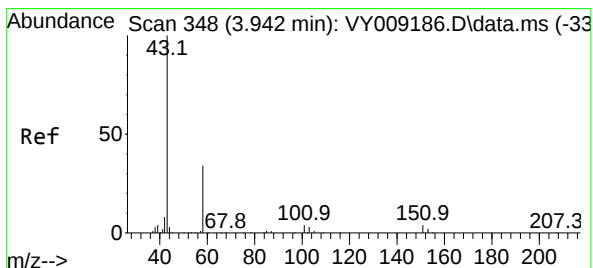
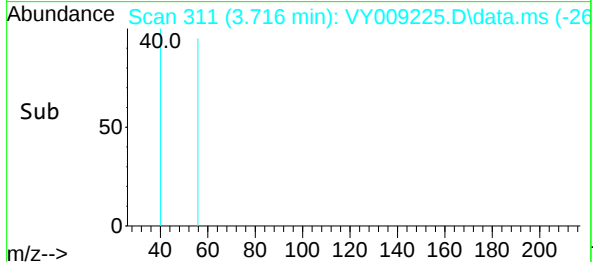
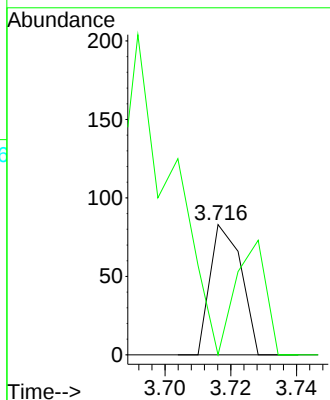


#13
Acrolein
Concen: Below Cal
RT: 3.716 min Scan# 312
Delta R.T. -0.007 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

Instrument :
MSVOA_Y
ClientSampleId :

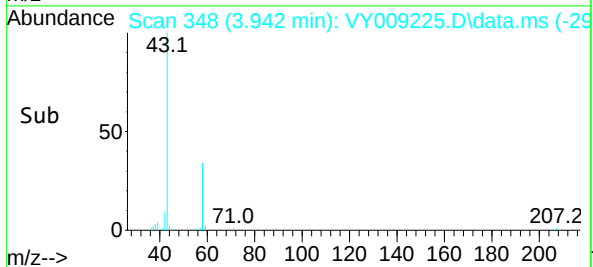
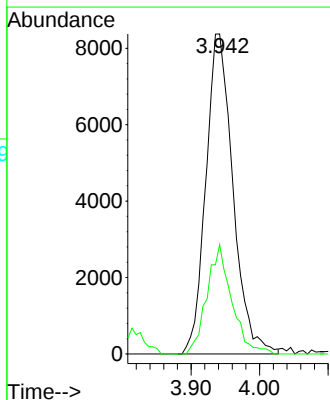
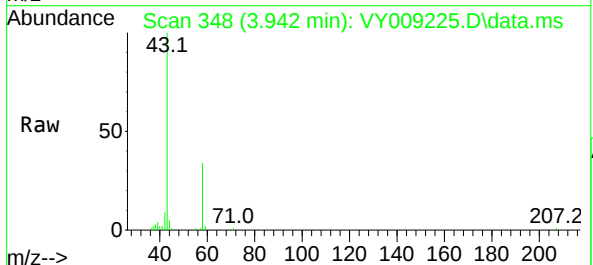


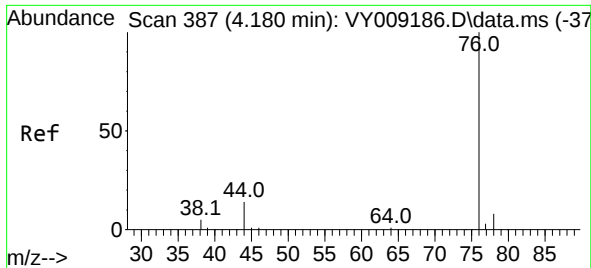
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 83.6 57.6 86.4



#16
Acetone
Concen: 48.397 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

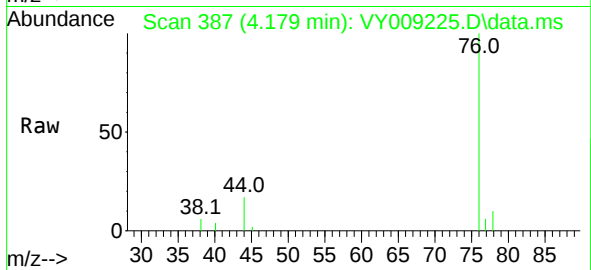
Tgt Ion: 43 Resp: 23046
Ion Ratio Lower Upper
43 100
58 34.2 22.0 33.0#



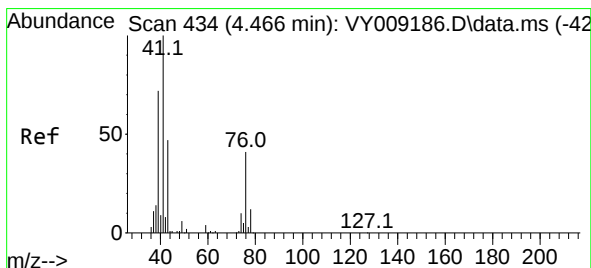
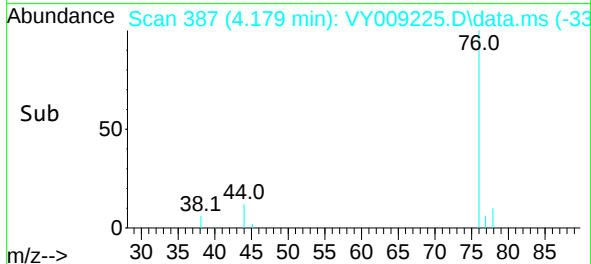
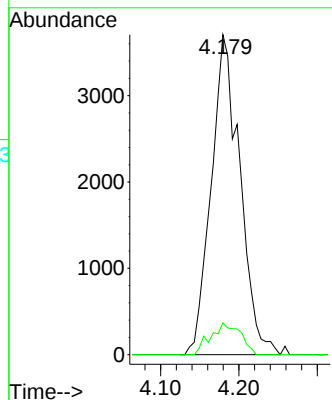


#17
Carbon Disulfide
Concen: 1.891 ug/l
RT: 4.179 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

Instrument :
MSVOA_Y
ClientSampleId :

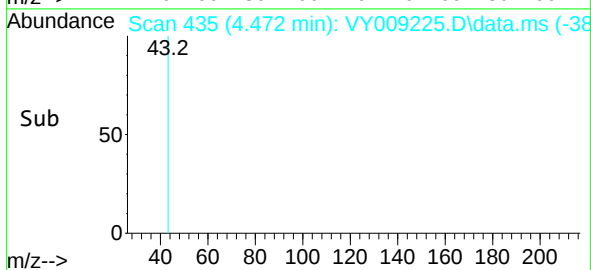
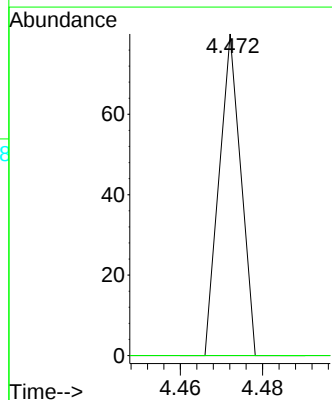
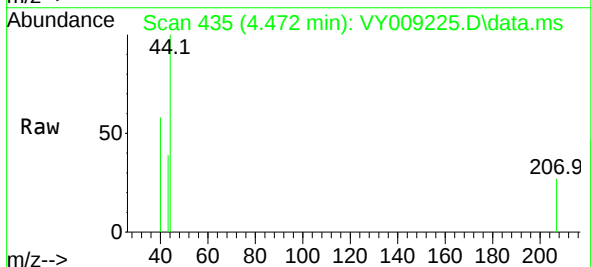


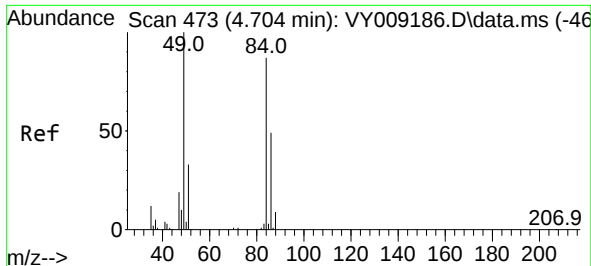
Tgt Ion: 76 Resp: 9428
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. 0.006 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

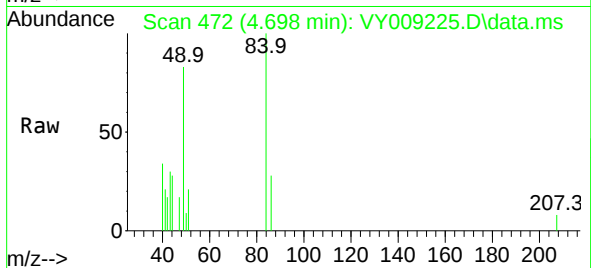
Tgt Ion: 43 Resp: 29
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



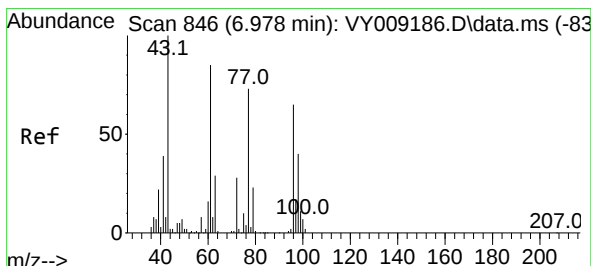
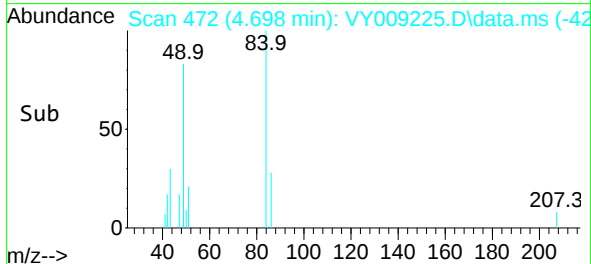
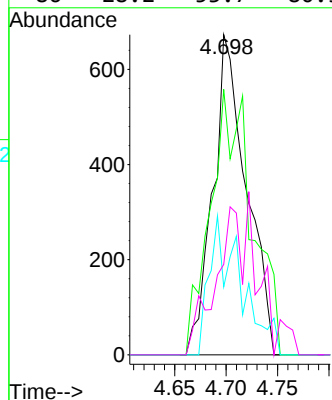


#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

Instrument :
MSVOA_Y
ClientSampleId :

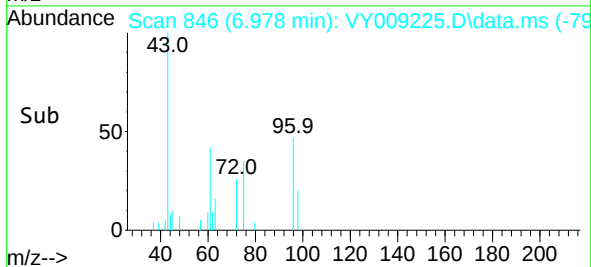
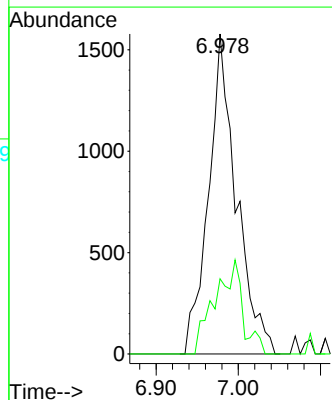
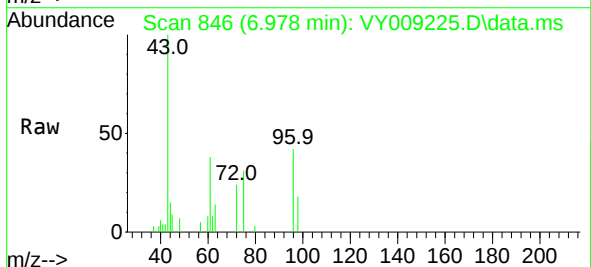


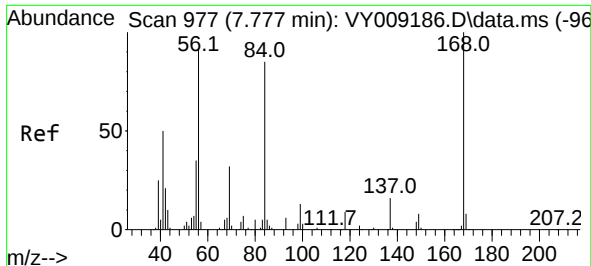
Tgt Ion: 84 Resp: 1525
Ion Ratio Lower Upper
84 100
49 82.9 114.4 171.6#
51 21.2 35.3 52.9#
86 28.2 53.7 80.5#



#25
2-Butanone
Concen: 4.939 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

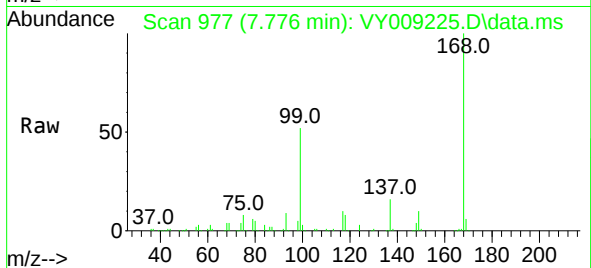
Tgt Ion: 43 Resp: 3722
Ion Ratio Lower Upper
43 100
72 23.5 17.7 26.5



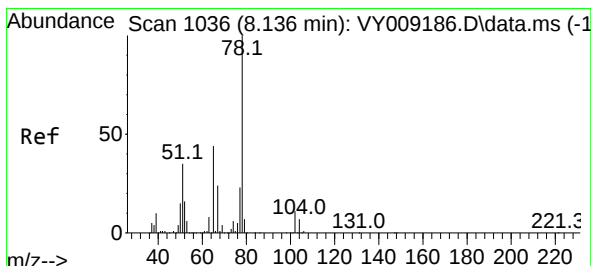
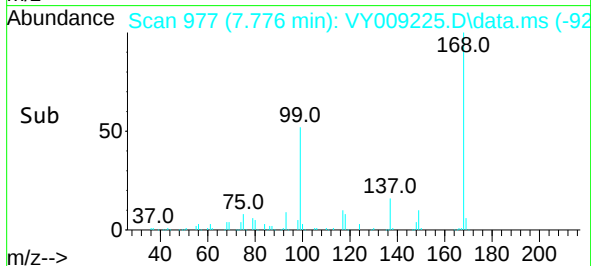
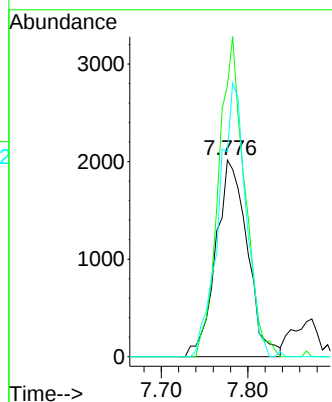


#31
Cyclohexane
Concen: 1.503 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

Instrument :
MSVOA_Y
ClientSampleId :

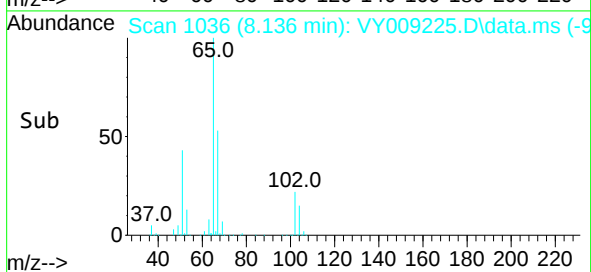
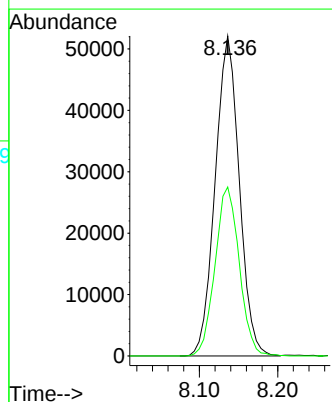
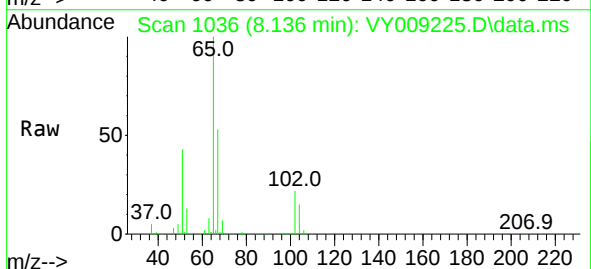


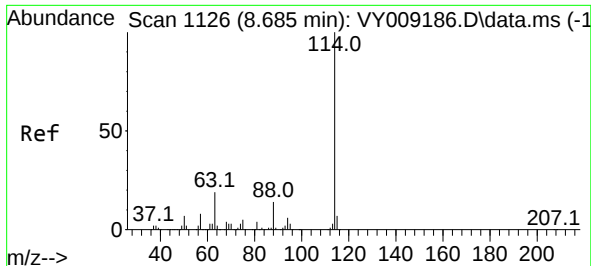
Tgt Ion: 56 Resp: 5091
Ion Ratio Lower Upper
56 100
69 137.7 26.7 40.1#
84 104.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 59.016 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

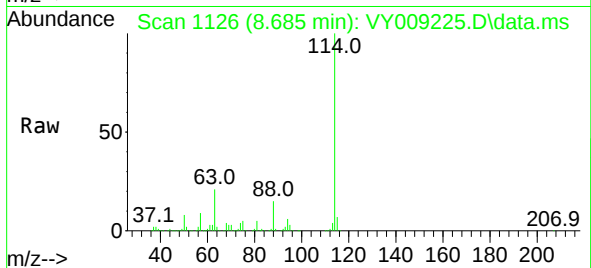
Tgt Ion: 65 Resp: 111564
Ion Ratio Lower Upper
65 100
67 53.0 0.0 99.4



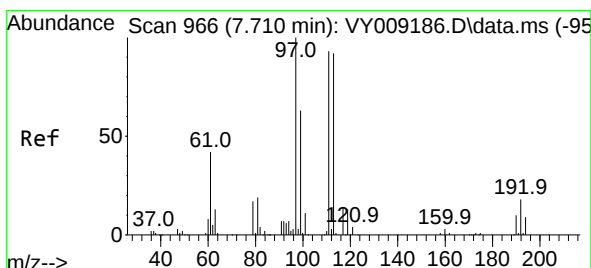
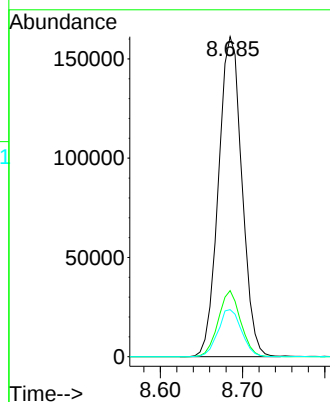
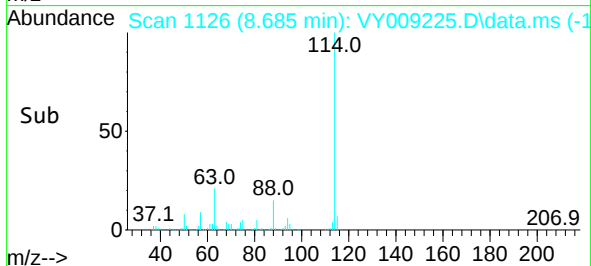


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

Instrument :
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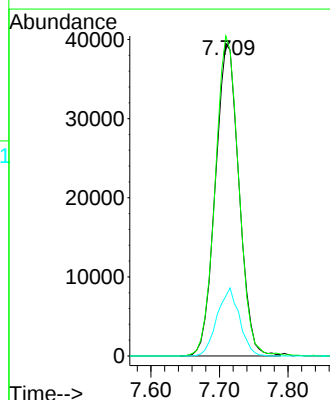
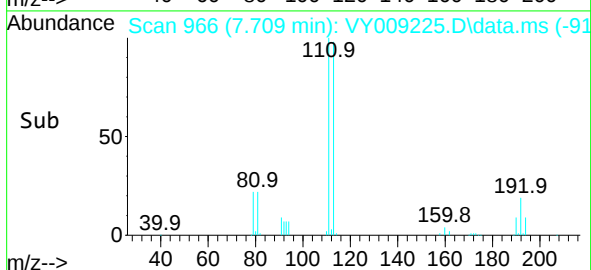
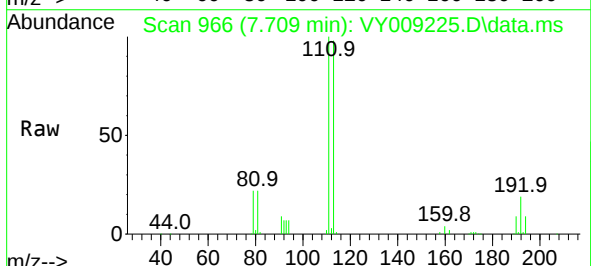


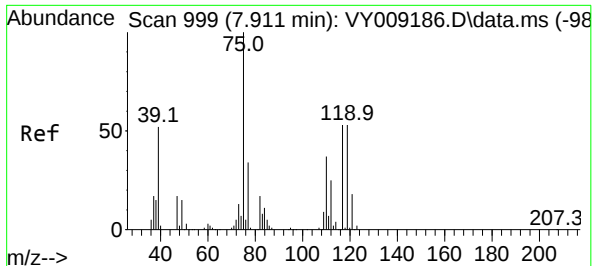
Tgt Ion:114 Resp: 319235
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.2
88 14.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.145 ug/l
RT: 7.709 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

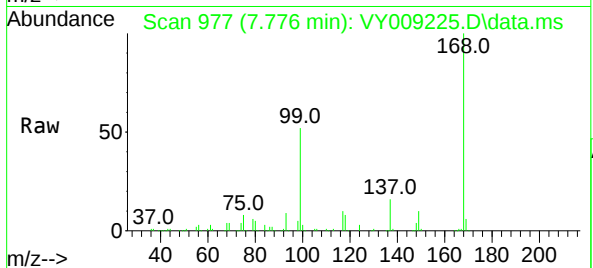
Tgt Ion:113 Resp: 94361
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 20.6 17.6 26.4



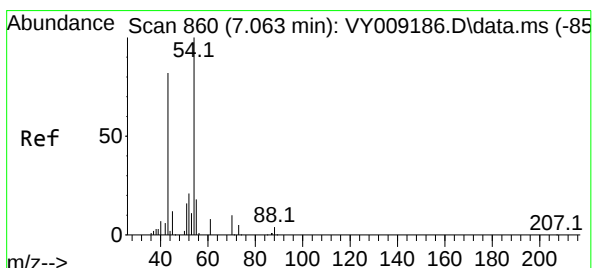
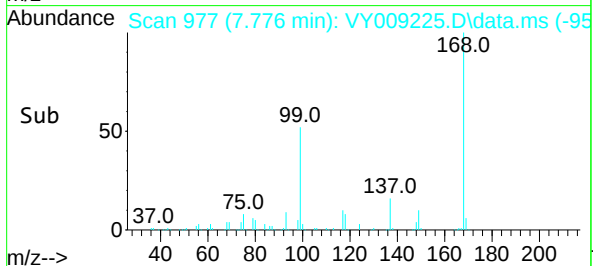
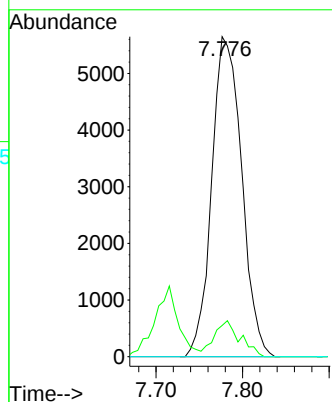


#36
1,1-Dichloropropene
Concen: 4.403 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

Instrument :
MSVOA_Y
ClientSampleId :

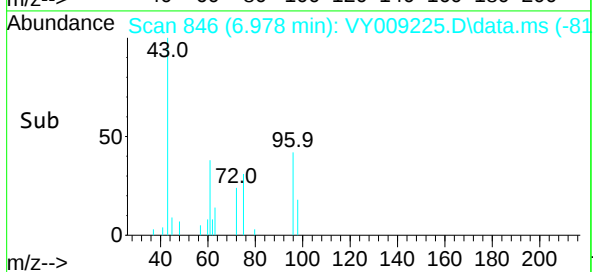
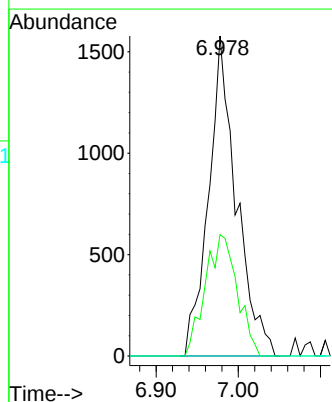
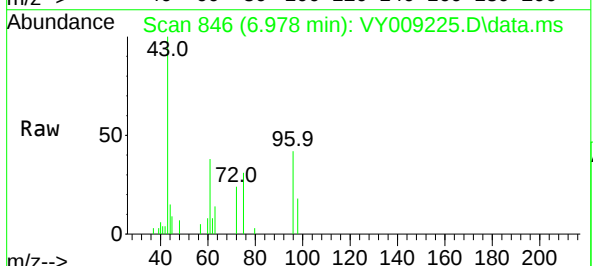


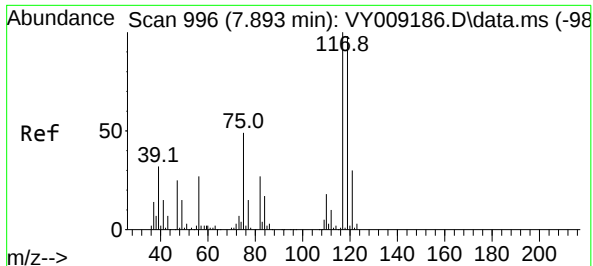
Tgt Ion: 75 Resp: 13556
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.032 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.086 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

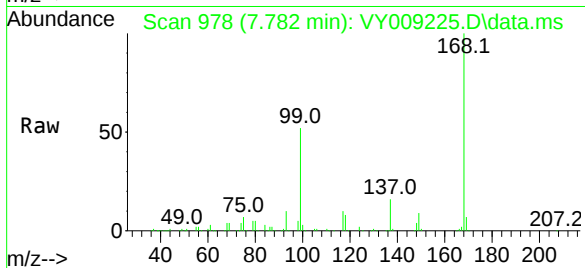
Tgt Ion: 43 Resp: 3722
Ion Ratio Lower Upper
43 100
61 43.4 9.7 14.5#
70 0.0 7.1 10.7#



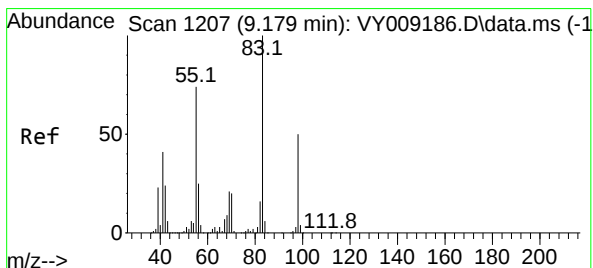
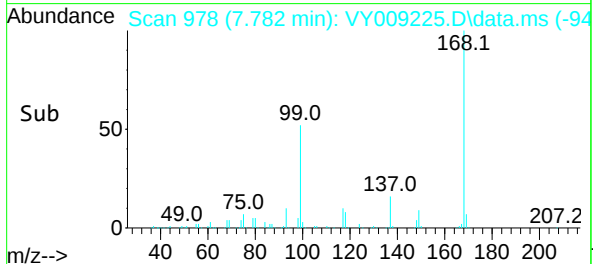
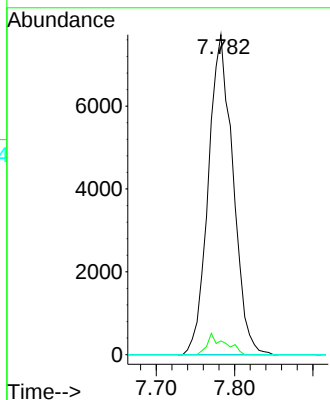


#38
Carbon Tetrachloride
Concen: 5.302 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

Instrument :
MSVOA_Y
ClientSampleId :

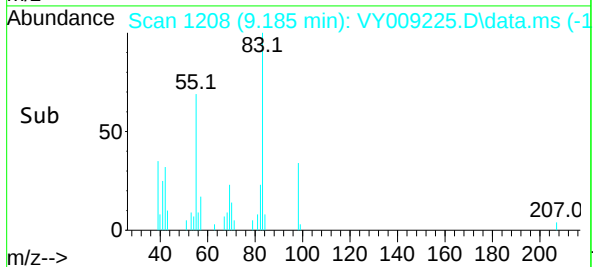
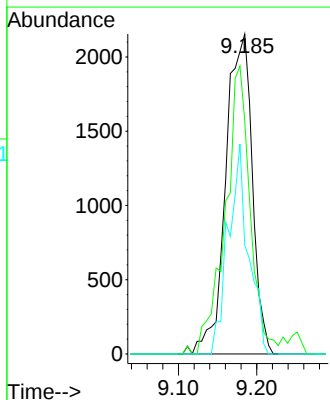
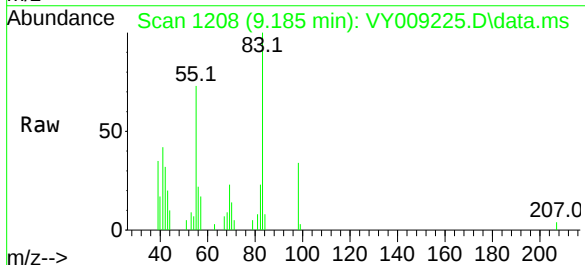


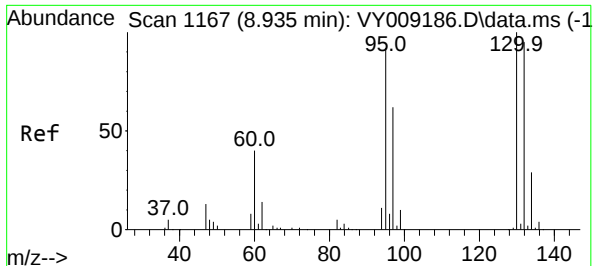
Tgt Ion:117 Resp: 16878
Ion Ratio Lower Upper
117 100
119 4.3 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 1.366 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

Tgt Ion: 83 Resp: 5071
Ion Ratio Lower Upper
83 100
55 72.8 66.5 99.7
98 34.0 37.9 56.9#

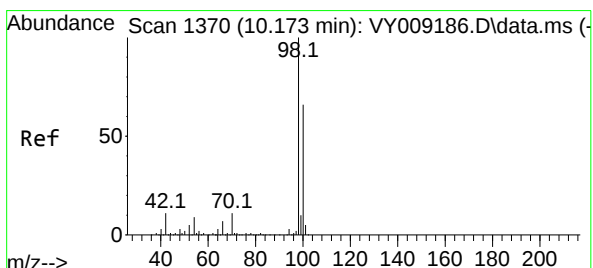
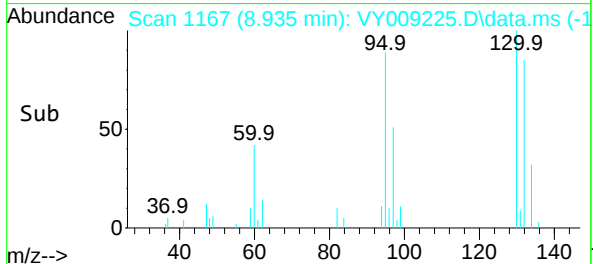
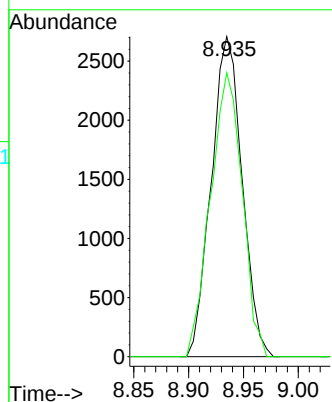
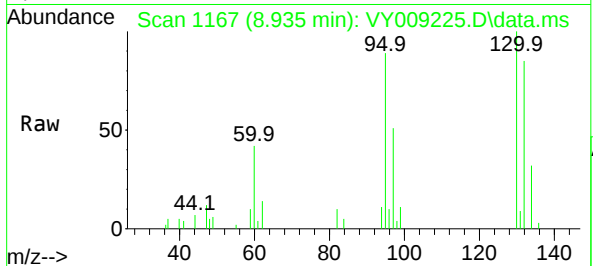




#44
Trichloroethene
Concen: 2.066 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

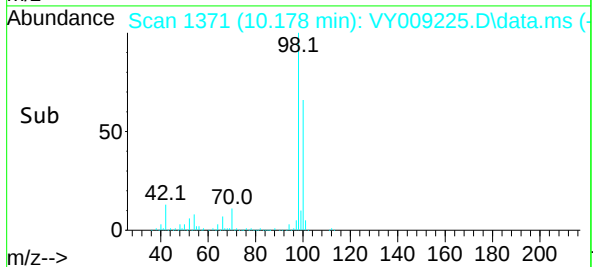
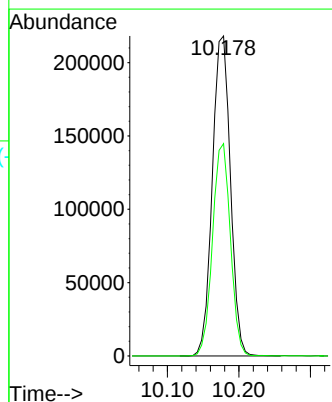
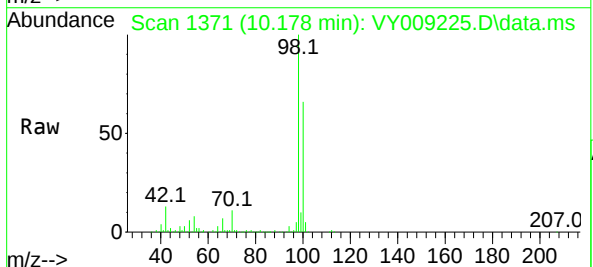
Instrument :
MSVOA_Y
ClientSampleId :

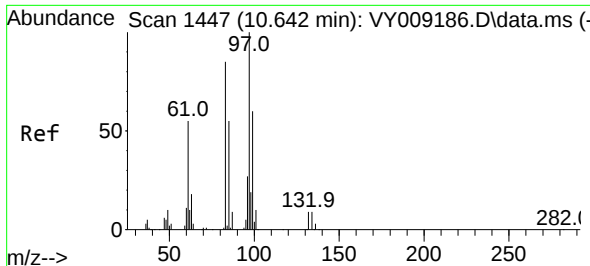
Tgt Ion:130 Resp: 5309
Ion Ratio Lower Upper
130 100
95 88.7 0.0 188.2



#50
Toluene-d8
Concen: 50.310 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

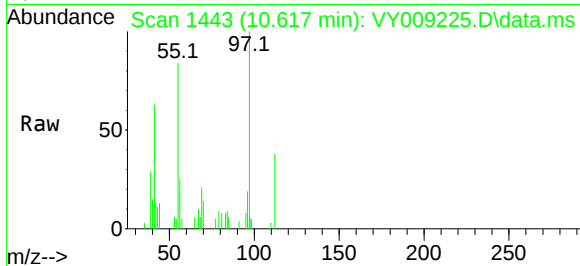
Tgt Ion: 98 Resp: 383311
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2



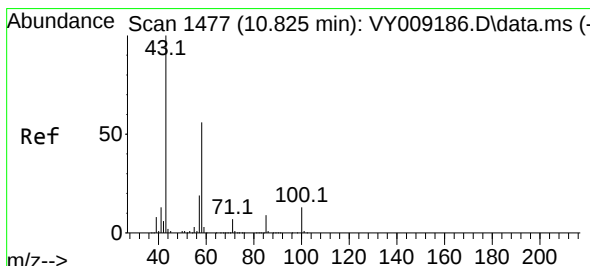
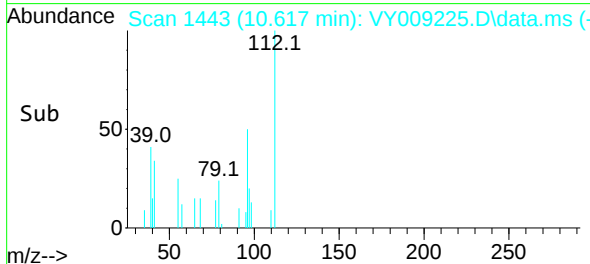
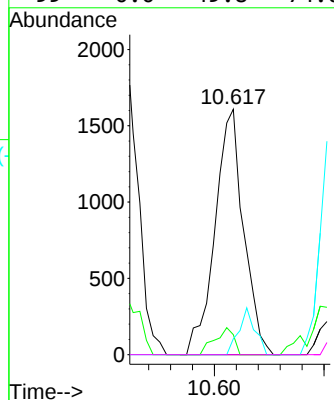


#55
1,1,2-Trichloroethane
Concen: 1.569 ug/l
RT: 10.617 min Scan# 1443
Delta R.T. -0.025 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

Instrument :
MSVOA_Y
ClientSampleId :

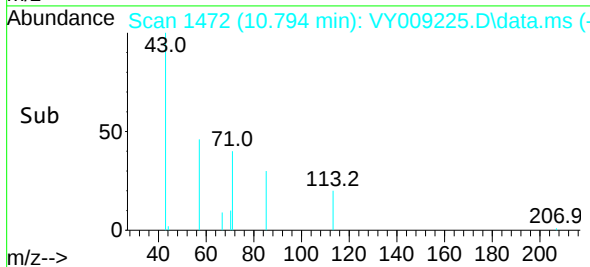
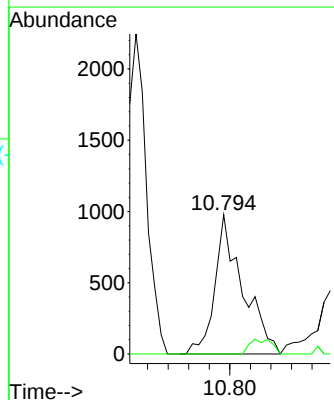
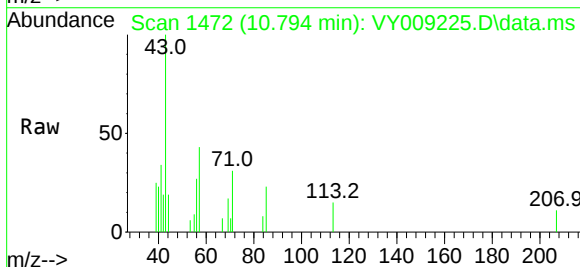


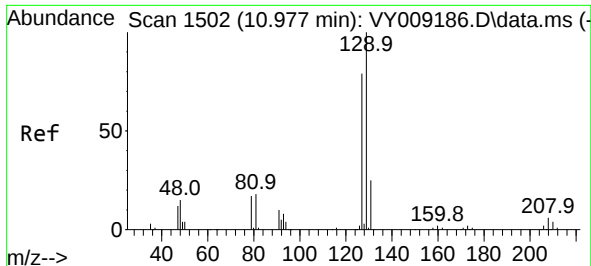
Tgt Ion: 97	Resp: 2911
Ion Ratio	Lower Upper
97 100	
83 8.1	69.8 104.8#
85 6.5	44.3 66.5#
99 0.0	49.8 74.6#



#59
2-Hexanone
Concen: 1.507 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.031 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

Tgt Ion: 43	Resp: 1843
Ion Ratio	Lower Upper
43 100	
58 0.0	24.4 73.4#

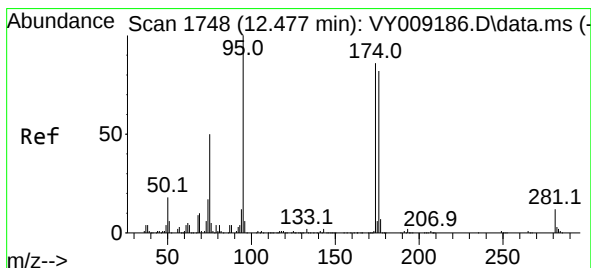
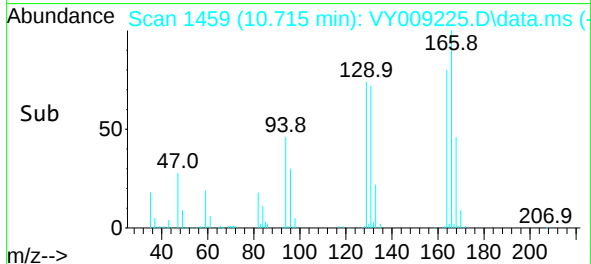
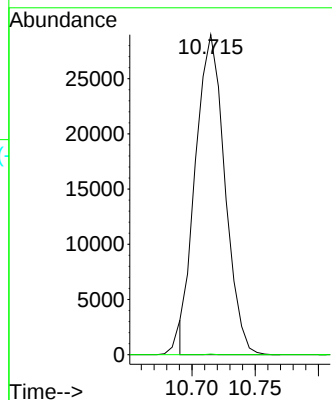
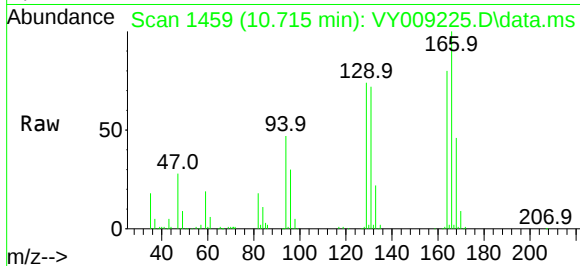




#60
Dibromochloromethane
Concen: 20.529 ug/l
RT: 10.715 min Scan# 14
Delta R.T. -0.262 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

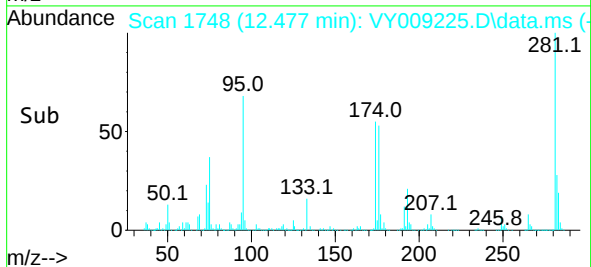
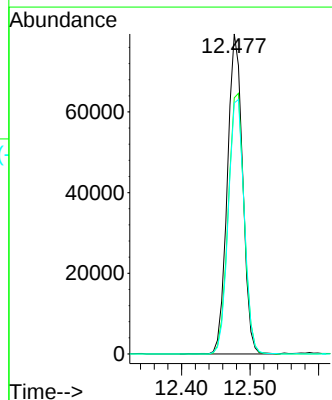
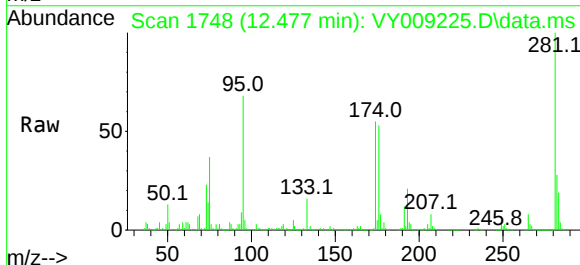
Instrument :
MSVOA_Y
ClientSampleId :

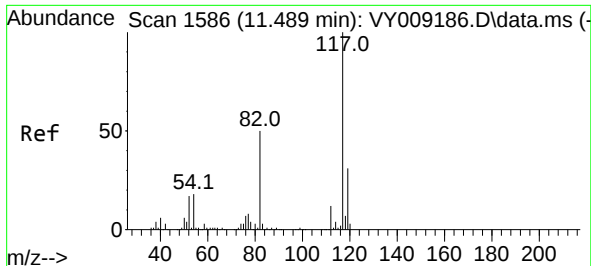
Tgt Ion:129 Resp: 46627
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 45.233 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

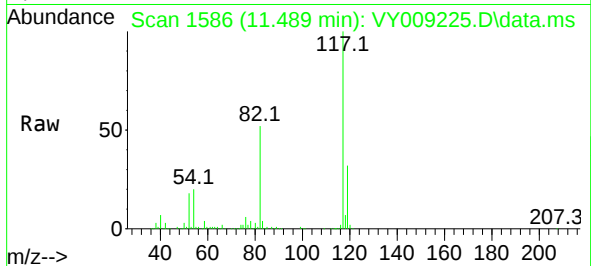
Tgt Ion: 95 Resp: 122465
Ion Ratio Lower Upper
95 100
174 84.5 0.0 177.0
176 82.9 0.0 175.8



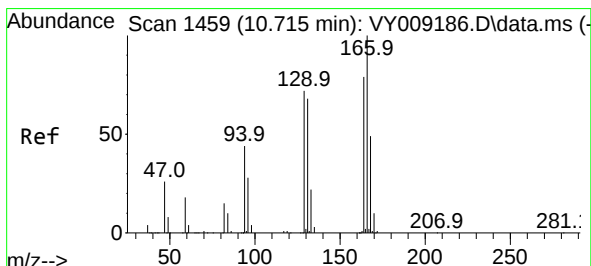
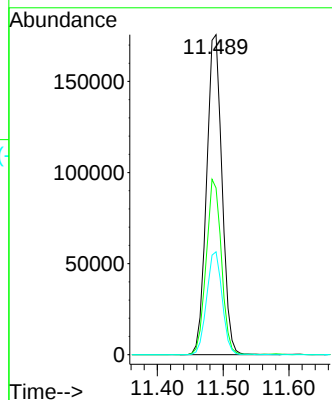
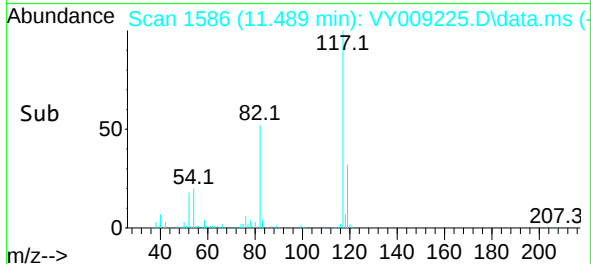


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

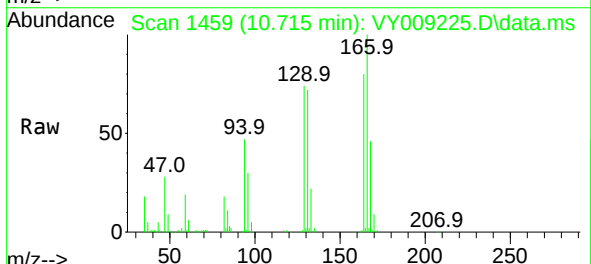
Instrument :
MSVOA_Y
ClientSampleId :



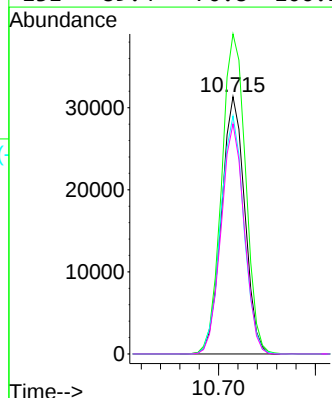
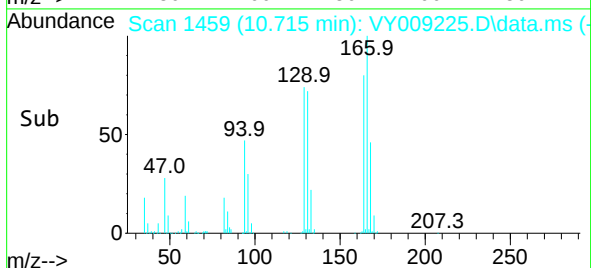
Tgt Ion:117 Resp: 286274
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.4
119 32.1 25.4 38.0

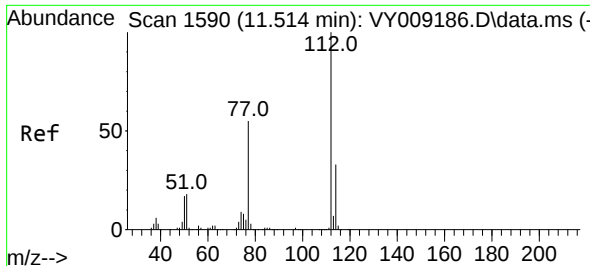


#64
Tetrachloroethene
Concen: 19.662 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31



Tgt Ion:164 Resp: 52147
Ion Ratio Lower Upper
164 100
166 124.3 100.4 150.6
129 92.4 71.4 107.0
131 89.4 70.8 106.2

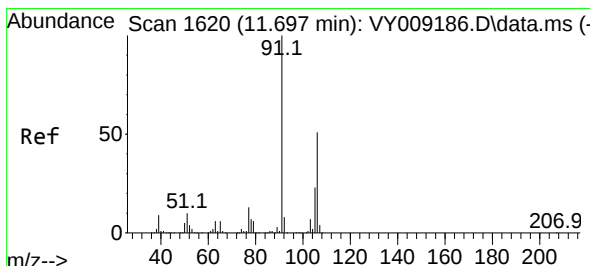
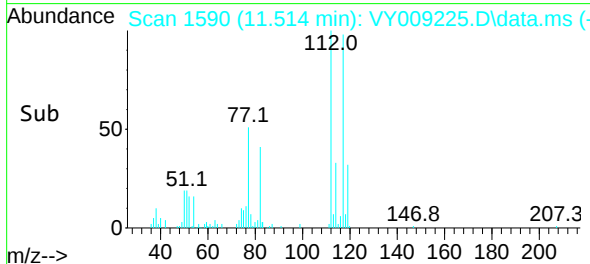
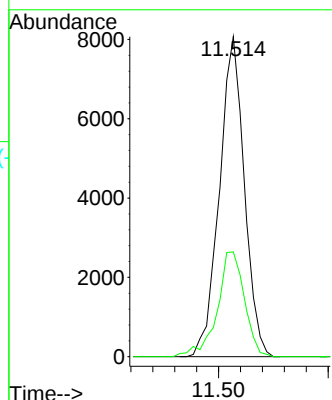
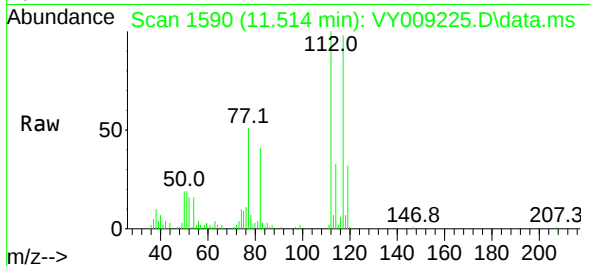




#65
Chlorobenzene
Concen: 2.055 ug/l
RT: 11.514 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

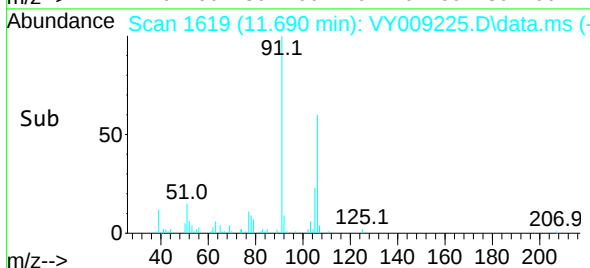
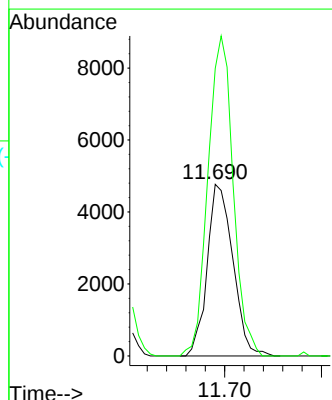
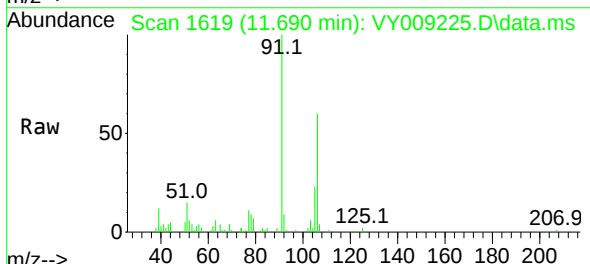
Instrument :
MSVOA_Y
ClientSampleId :

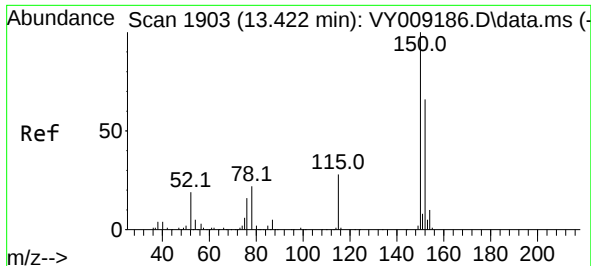
Tgt Ion:112 Resp: 12743
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6



#68
m/p-Xylenes
Concen: 2.064 ug/l
RT: 11.690 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VY009225.D
Acq: 17 Jun 2022 14:31

Tgt Ion:106 Resp: 8804
Ion Ratio Lower Upper
106 100
91 183.0 166.6 249.8

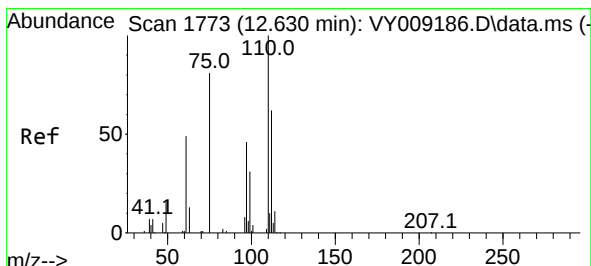
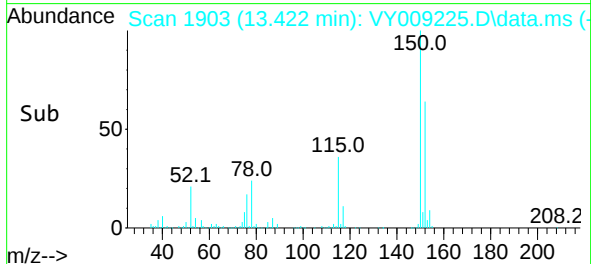
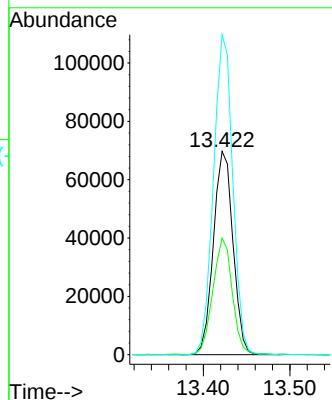
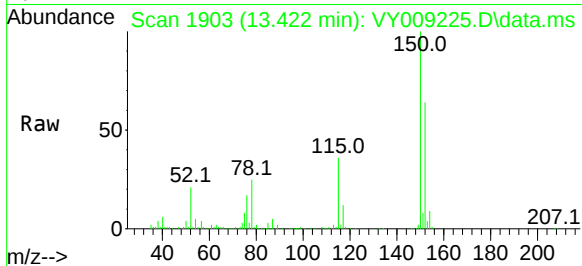




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY009225.D
 Acq: 17 Jun 2022 14:31

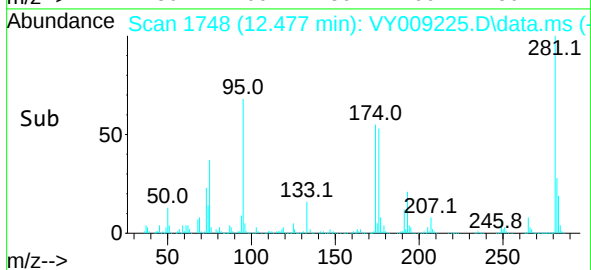
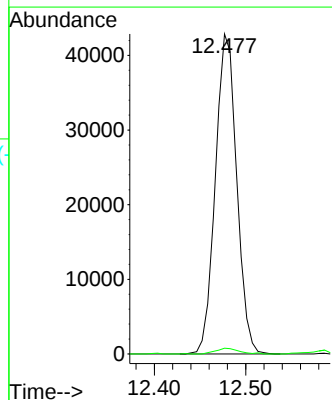
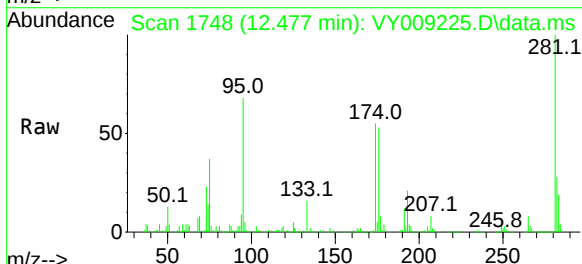
Instrument :
 MSVOA_Y
 ClientSampleId :

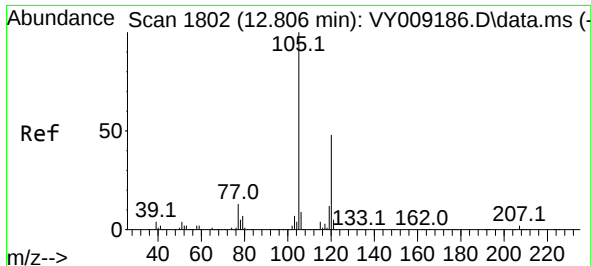
Tgt Ion:152 Resp: 109645
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.2 84.7
 150 155.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 57.434 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY009225.D
 Acq: 17 Jun 2022 14:31

Tgt Ion: 75 Resp: 69534
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#

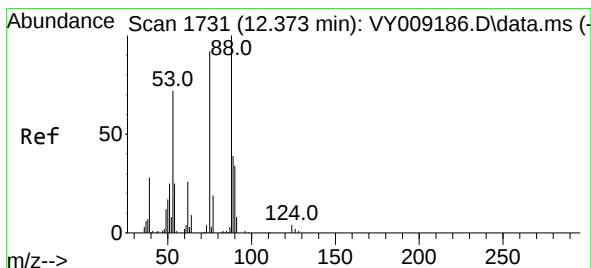
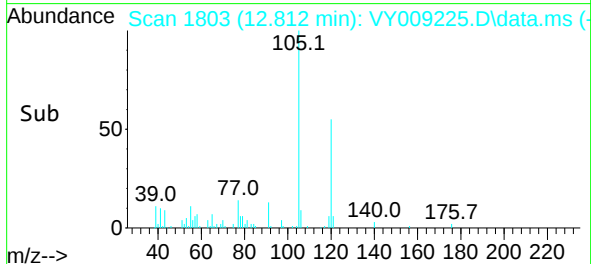
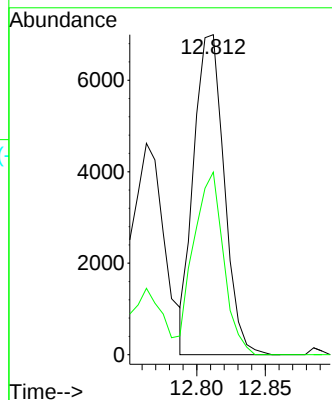
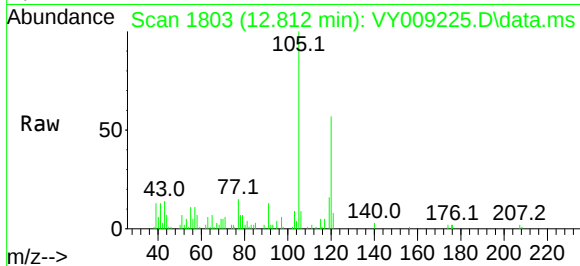




#80
 1,3,5-Trimethylbenzene
 Concen: 1.564 ug/l
 RT: 12.812 min Scan# 1748
 Delta R.T. 0.006 min
 Lab File: VY009225.D
 Acq: 17 Jun 2022 14:31

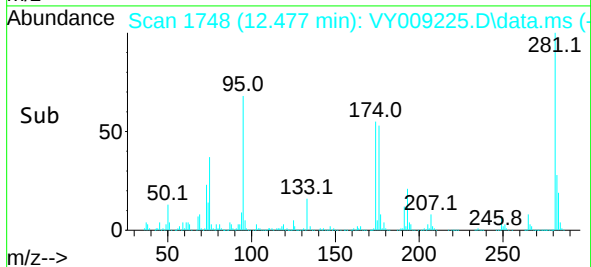
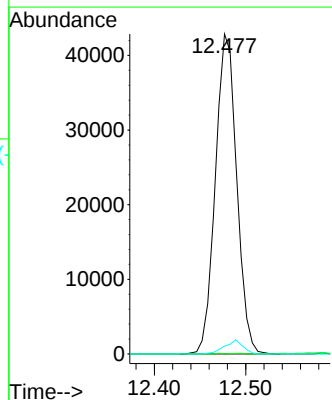
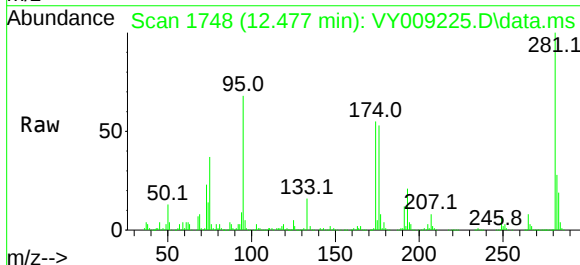
Instrument :
 MSVOA_Y
 ClientSampleId :

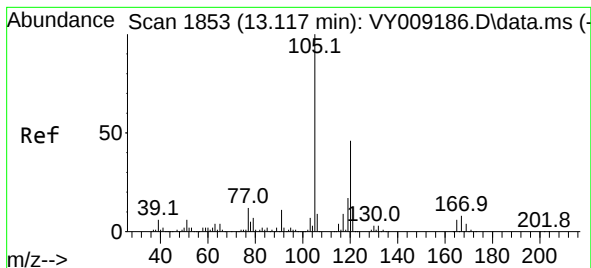
Tgt Ion:105 Resp: 10788
 Ion Ratio Lower Upper
 105 100
 120 57.0 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.461 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. 0.103 min
 Lab File: VY009225.D
 Acq: 17 Jun 2022 14:31

Tgt Ion: 75 Resp: 69534
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 3.806 ug/l

RT: 13.117 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009225.D

Acq: 17 Jun 2022 14:31

Instrument :

MSVOA_Y

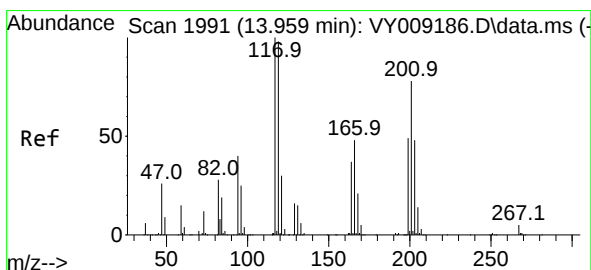
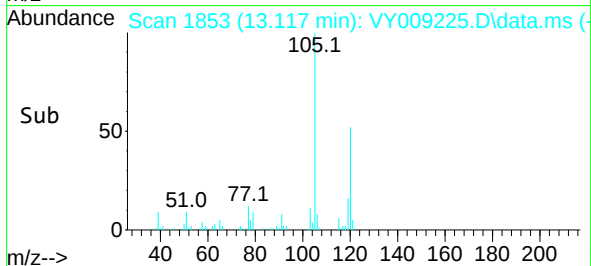
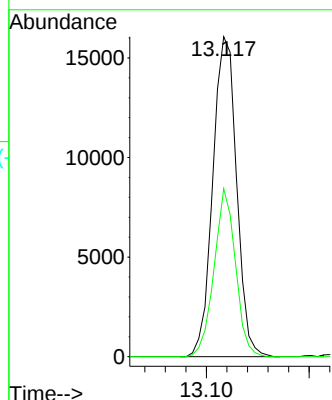
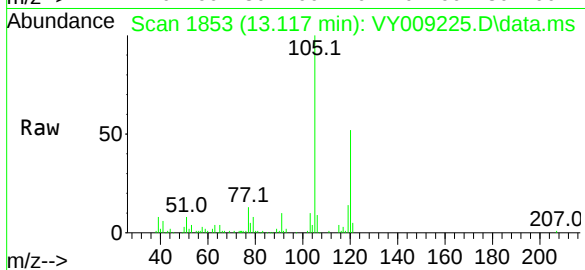
ClientSampleId :

Tgt Ion:105 Resp: 25765

Ion Ratio Lower Upper

105 100

120 47.3 22.3 66.9



#90

Hexachloroethane

Concen: 1.128 ug/l

RT: 13.970 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY009225.D

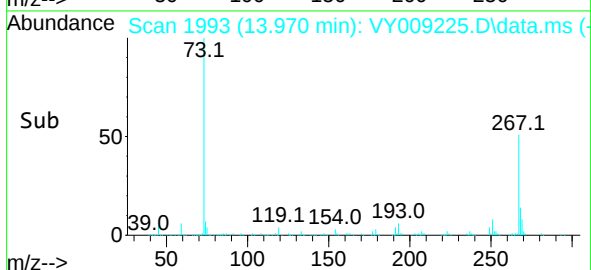
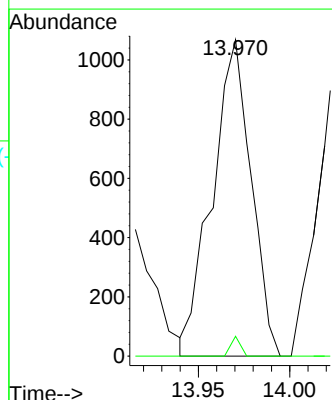
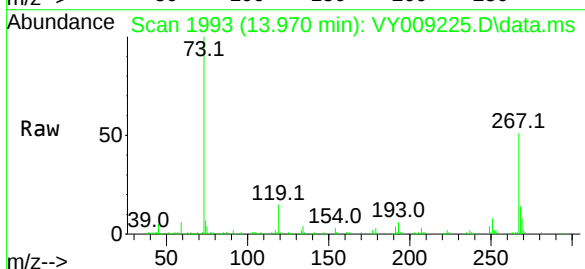
Acq: 17 Jun 2022 14:31

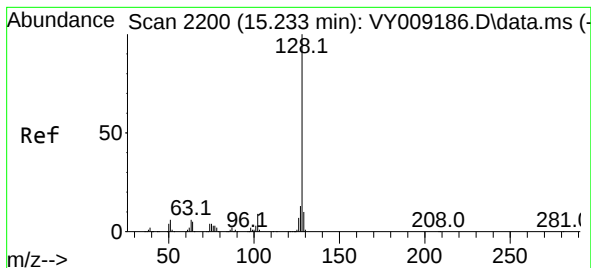
Tgt Ion:117 Resp: 1585

Ion Ratio Lower Upper

117 100

201 1.6 43.0 128.8#





#95

Naphthalene

Concen: 32.028 ug/l

RT: 15.232 min Scan# 21

Delta R.T. -0.000 min

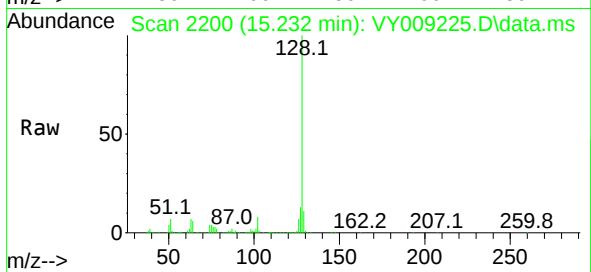
Lab File: VY009225.D

Acq: 17 Jun 2022 14:31

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 148520

Ion Ratio Lower Upper

128 100

127 13.3 11.0 16.4

129 11.1 8.4 12.6

