

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072722\
 Data File : VY009718.D
 Acq On : 27 Jul 2022 12:45
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jul 28 02:44:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

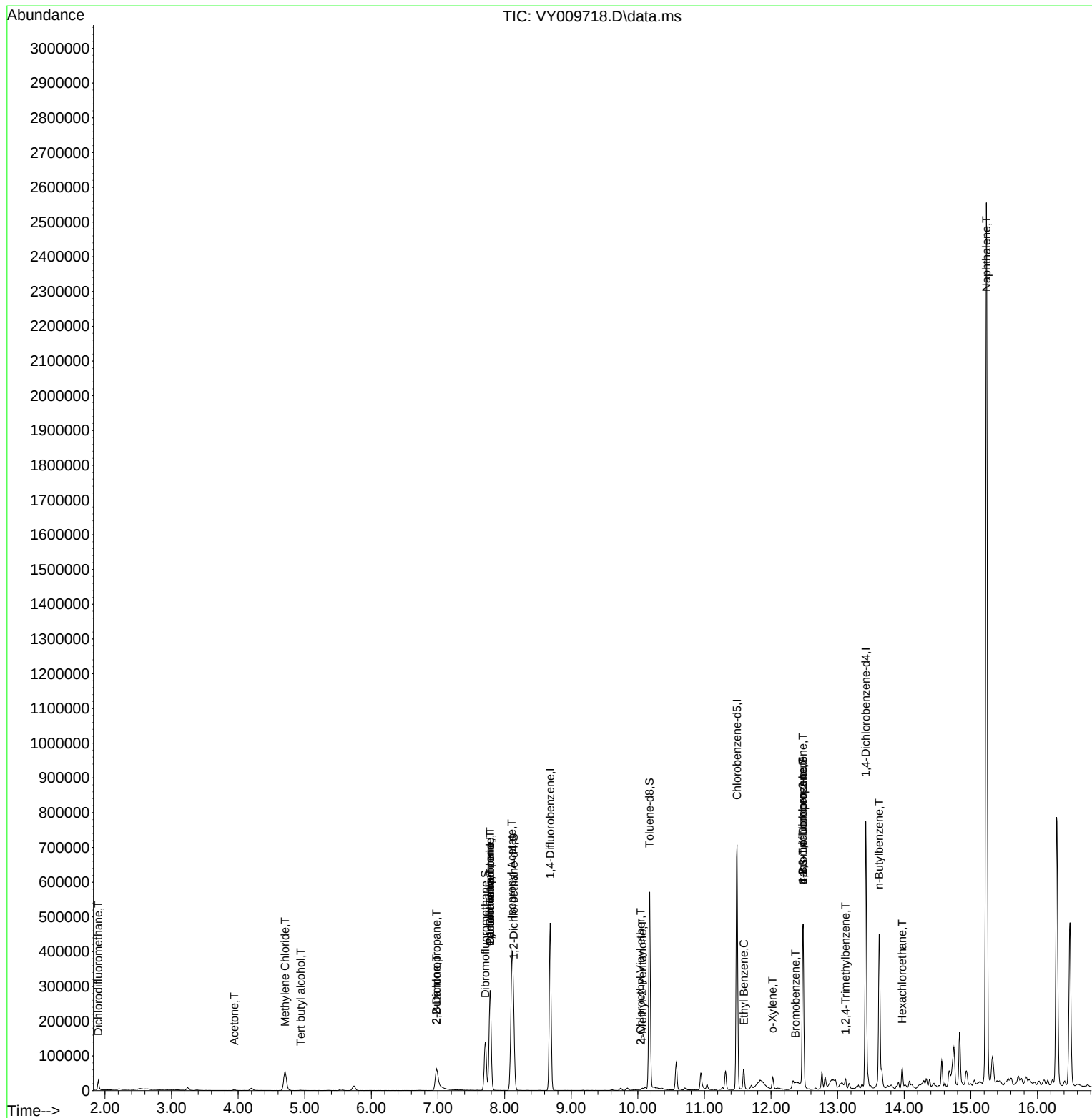
Internal Standards						
1) Pentafluorobenzene	7.783	168	239449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	428747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	411764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	205421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	99613	63.940	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.880%			
35) Dibromofluoromethane	7.710	113	101062	43.340	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 86.680%			
50) Toluene-d8	10.179	98	388517	57.878	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 115.760%			
62) 4-Bromofluorobenzene	12.477	95	137057	44.327	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 88.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	20525	9.628	ug/l	96
11) Tert butyl alcohol	4.942	59	1645	6.189	ug/l #	80
16) Acetone	3.942	43	4188	7.315	ug/l	95
18) Methyl Acetate	4.479	43	312	Below Cal	#	56
20) Methylene Chloride	4.704	84	42841	7.323	ug/l #	83
25) 2-Butanone	6.978	43	3767	4.460	ug/l #	74
26) 2,2-Dichloropropane	6.978	77	5643	1.495	ug/l #	55
31) Cyclohexane	7.783	56	3826	1.004	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15670	4.130	ug/l #	51
38) Carbon Tetrachloride	7.783	117	21872	5.380	ug/l #	16
43) Isopropyl Acetate	8.106	43	7675	1.953	ug/l #	7
51) 4-Methyl-2-Pentanone	10.069	43	2061	1.031	ug/l	88
58) 2-Chloroethyl Vinyl ether	10.045	63	21	23.964	ug/l #	48
67) Ethyl Benzene	11.593	91	41218	2.886	ug/l	96
69) o-Xylene	12.026	106	9429	1.778	ug/l	85
76) 1,2,3-Trichloropropane	12.477	75	67064	35.148	ug/l #	100
77) Bromobenzene	12.367	156	6662	1.964	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	67064	70.060	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	14124	1.238	ug/l	99
89) n-Butylbenzene	13.623	91	41218	3.562	ug/l #	43
90) Hexachloroethane	13.971	117	2949	1.187	ug/l #	6
95) Naphthalene	15.233	128	2214482	306.080	ug/l	98

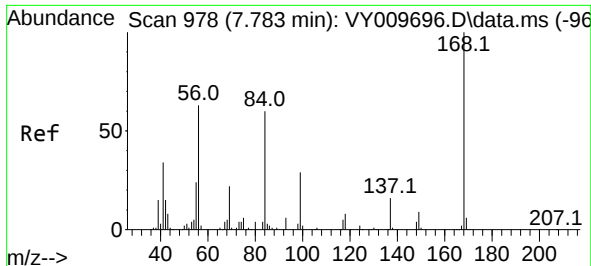
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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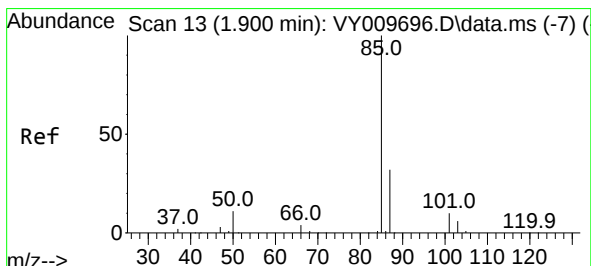
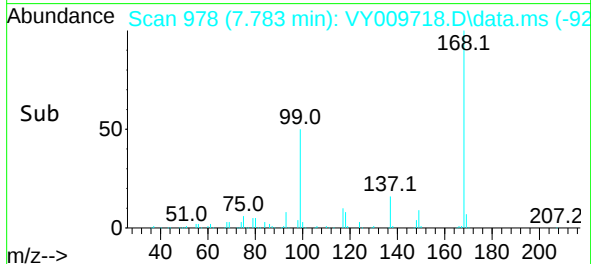
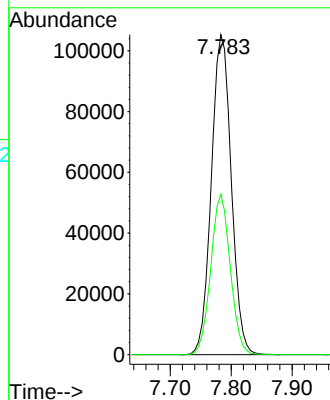
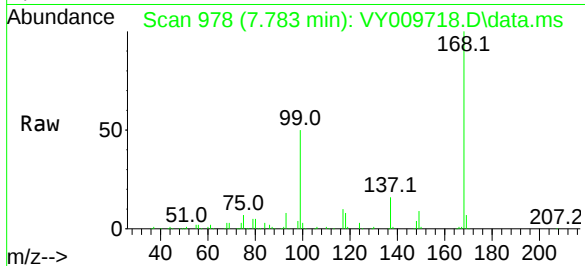




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

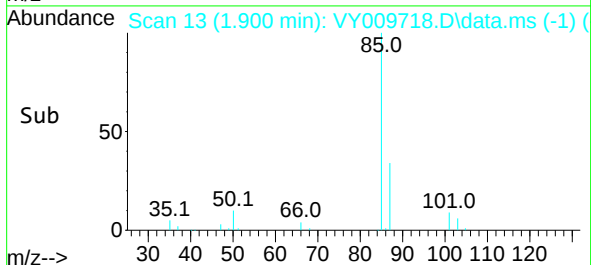
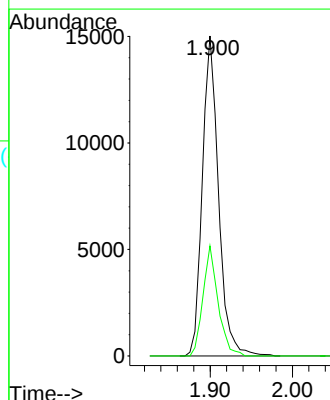
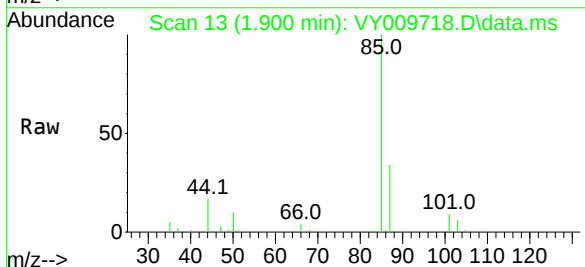
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

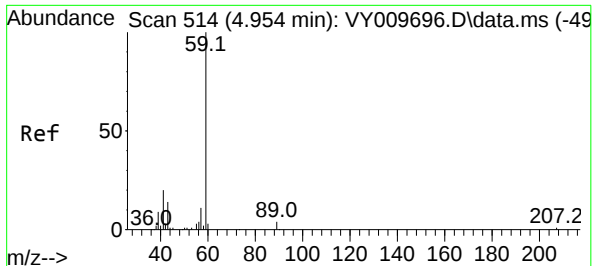
Tgt Ion:168 Resp: 239449
Ion Ratio Lower Upper
168 100
99 50.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 9.628 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

Tgt Ion: 85 Resp: 20525
Ion Ratio Lower Upper
85 100
87 34.4 16.1 48.2





#11

Tert butyl alcohol

Concen: 6.189 ug/l

RT: 4.942 min Scan# 514

Delta R.T. -0.012 min

Lab File: VY009718.D

Acq: 27 Jul 2022 12:45

Instrument :

MSVOA_Y

ClientSampleId :

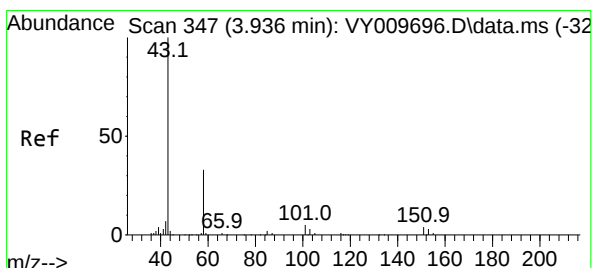
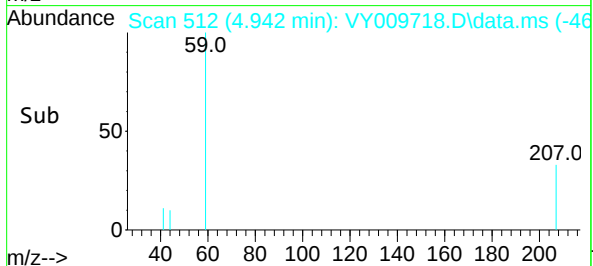
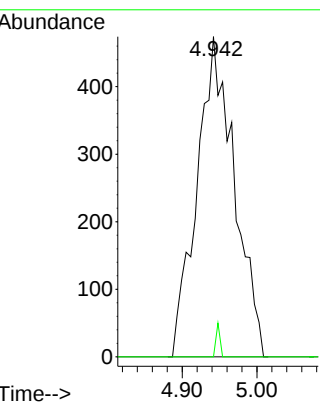
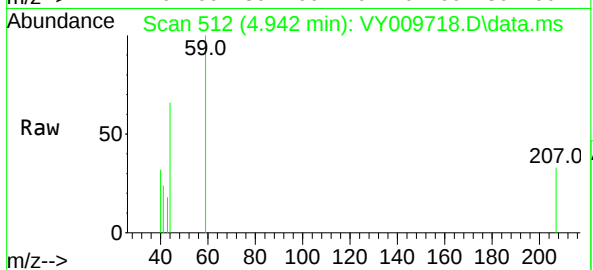
VIBLK

Tgt Ion: 59 Resp: 1645

Ion Ratio Lower Upper

59 100

57 1.1 6.4 9.6#



#16

Acetone

Concen: 7.315 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY009718.D

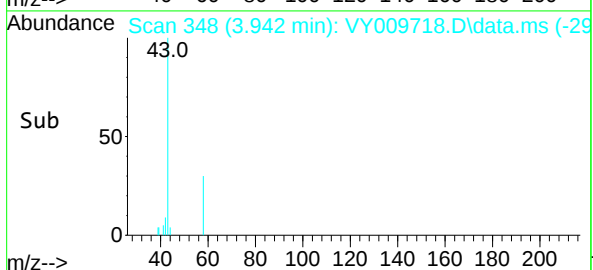
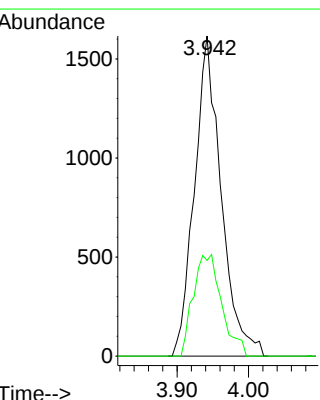
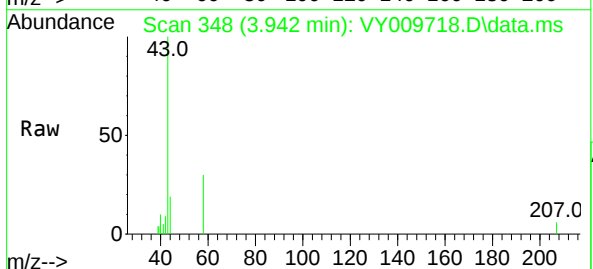
Acq: 27 Jul 2022 12:45

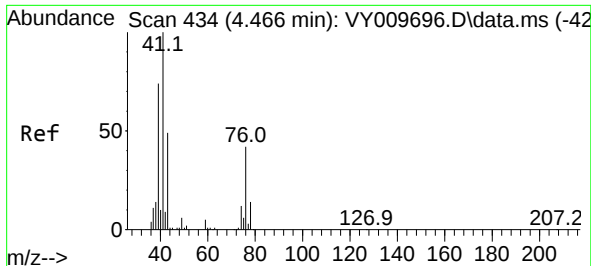
Tgt Ion: 43 Resp: 4188

Ion Ratio Lower Upper

43 100

58 29.9 22.0 33.0

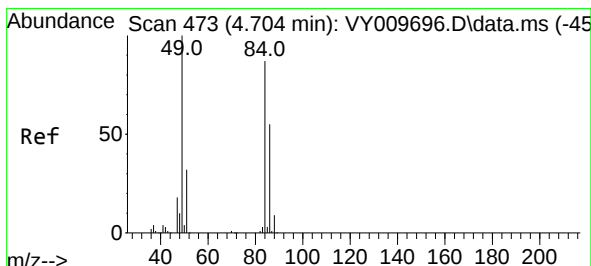
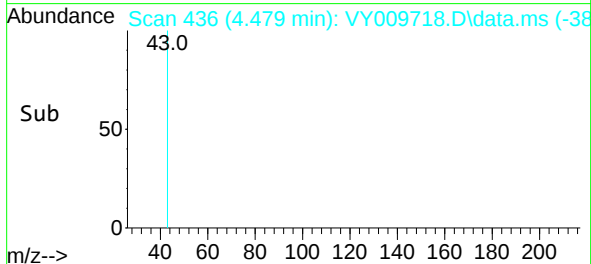
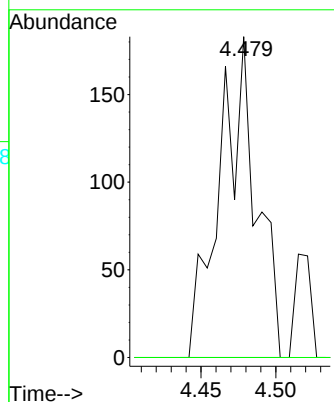
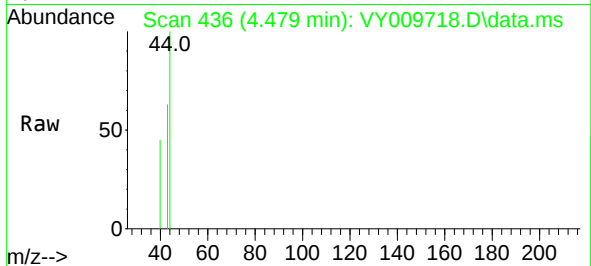




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

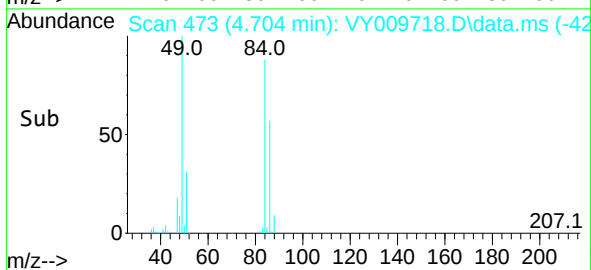
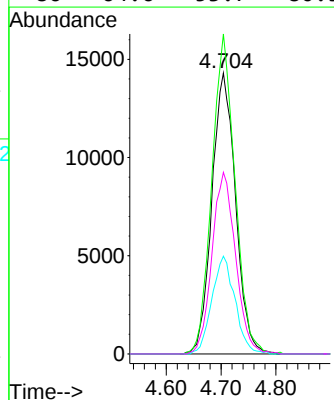
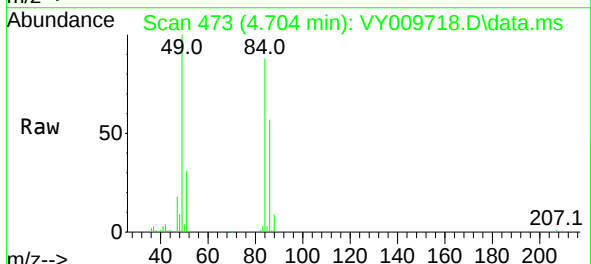
Instrument :
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ClientSampleId :
VIBLK

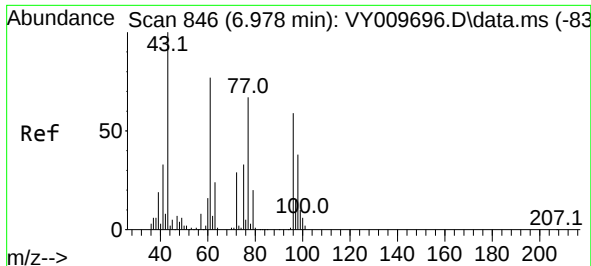
Tgt Ion: 43 Resp: 312
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 7.323 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

Tgt Ion: 84 Resp: 42841
Ion Ratio Lower Upper
84 100
49 113.9 114.4 171.6#
51 34.8 35.3 52.9#
86 64.6 53.7 80.5

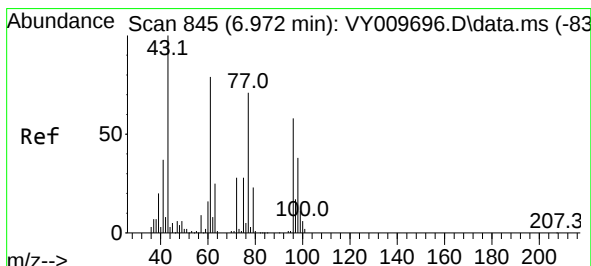
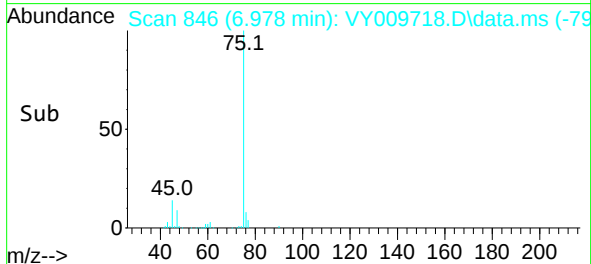
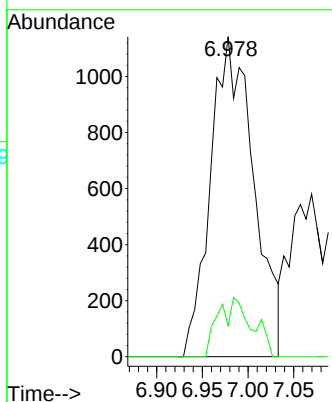
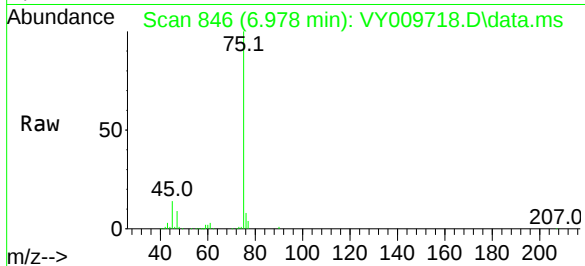




#25
2-Butanone
Concen: 4.460 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

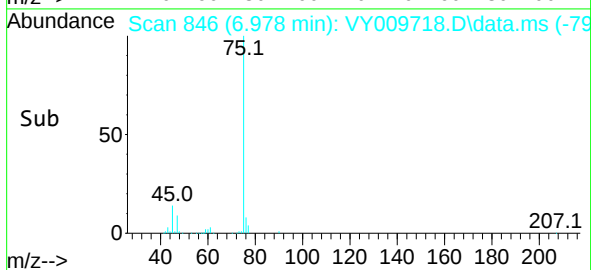
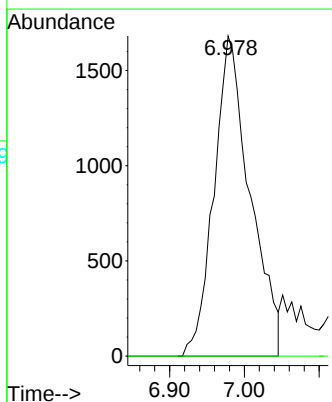
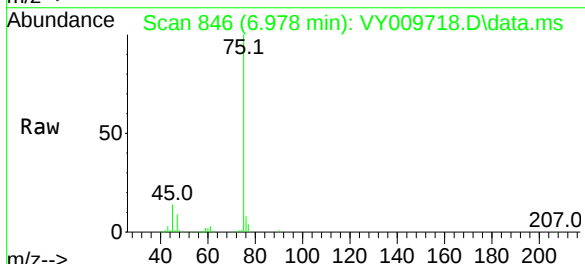
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

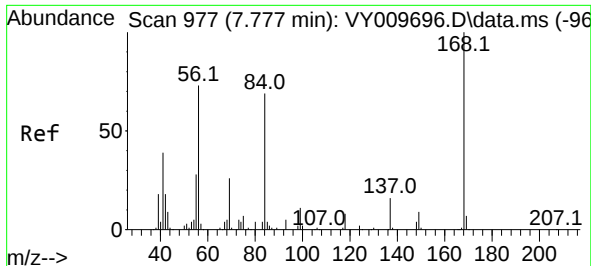
Tgt Ion: 43 Resp: 3767
Ion Ratio Lower Upper
43 100
72 9.7 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.495 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

Tgt Ion: 77 Resp: 5643
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

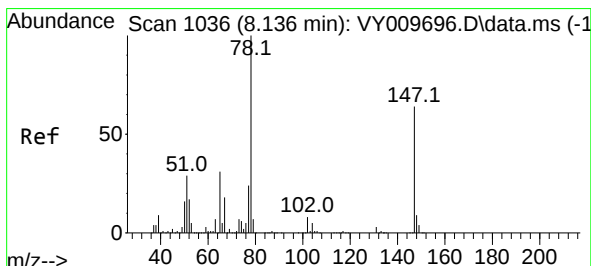
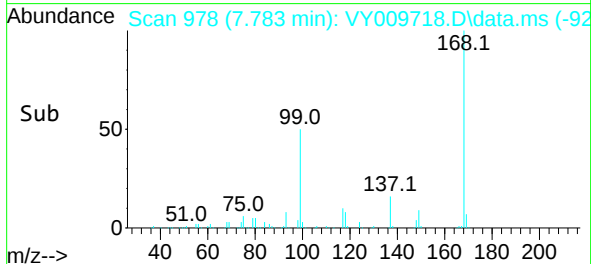
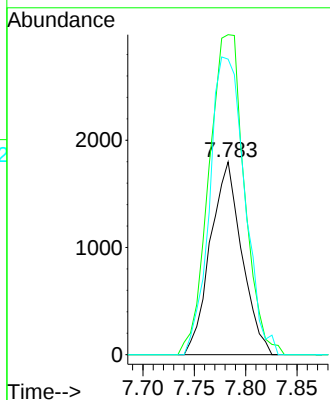
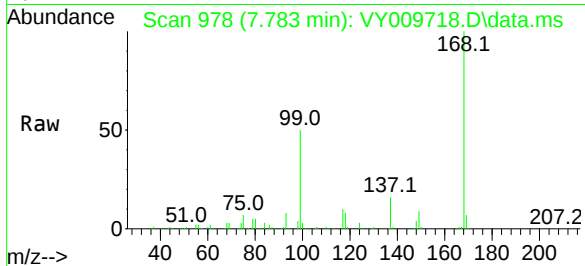




#31
Cyclohexane
Concen: 1.004 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

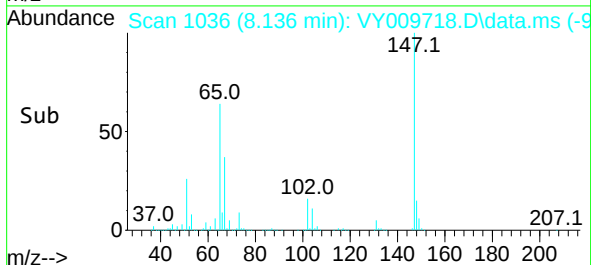
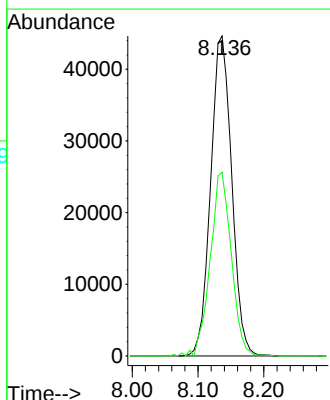
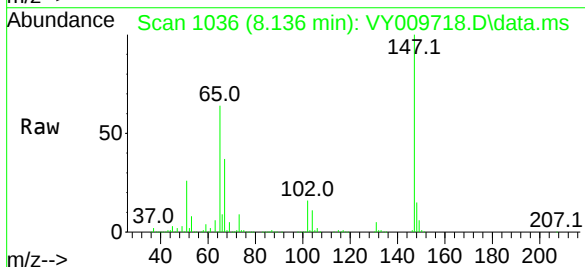
Instrument :
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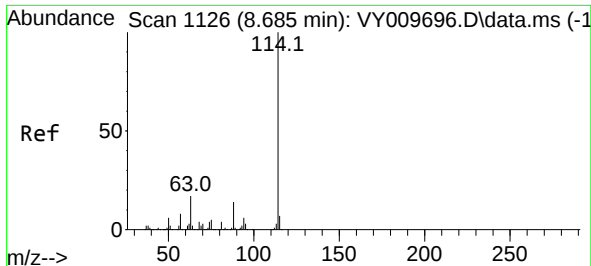
Tgt Ion: 56 Resp: 3826
Ion Ratio Lower Upper
56 100
69 166.0 26.7 40.1#
84 153.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.940 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

Tgt Ion: 65 Resp: 99613
Ion Ratio Lower Upper
65 100
67 57.5 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: VY009718.D

Acq: 27 Jul 2022 12:45

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

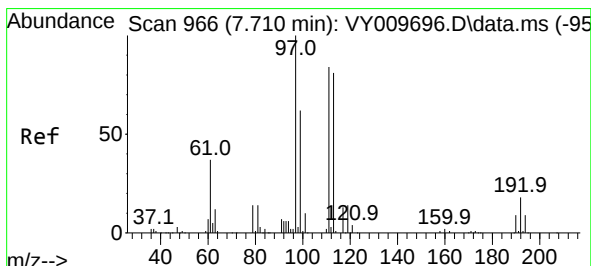
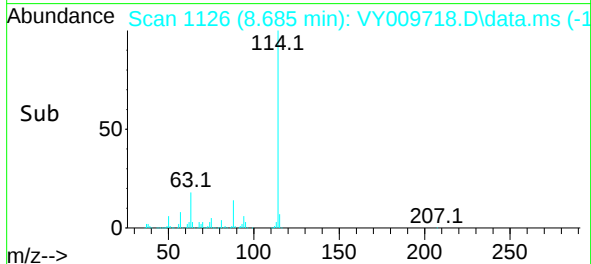
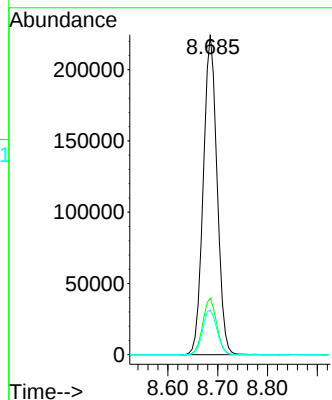
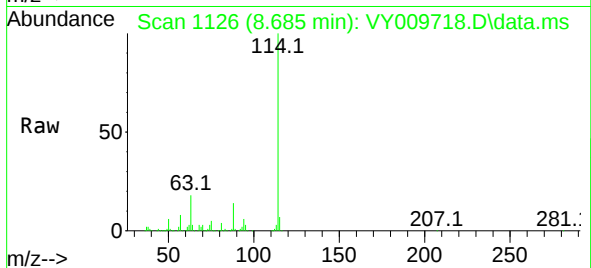
Tgt Ion:114 Resp: 428747

Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 14.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 43.340 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009718.D

Acq: 27 Jul 2022 12:45

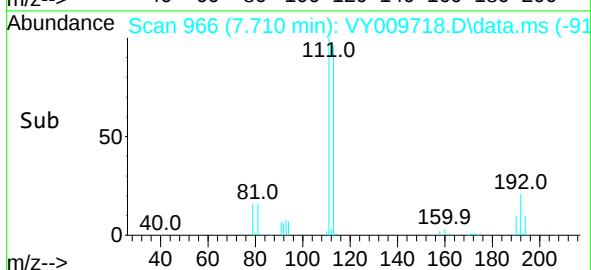
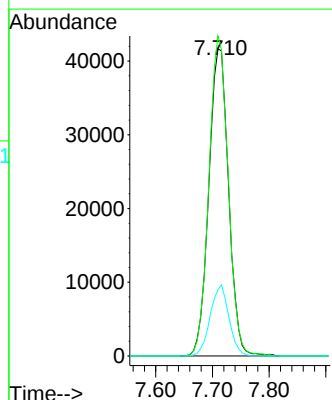
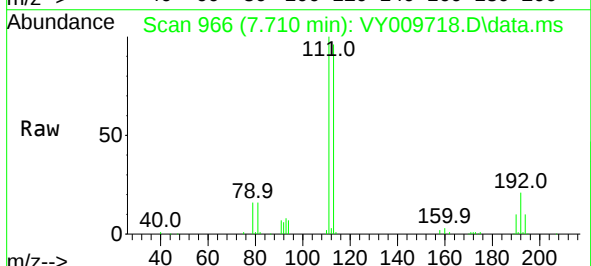
Tgt Ion:113 Resp: 101062

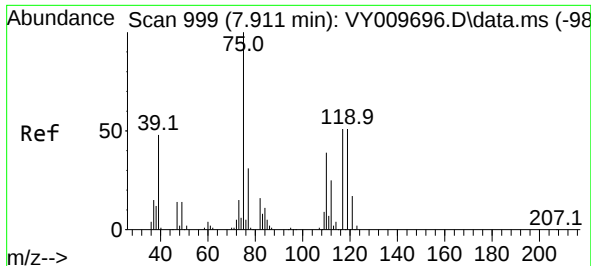
Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 21.9 17.6 26.4

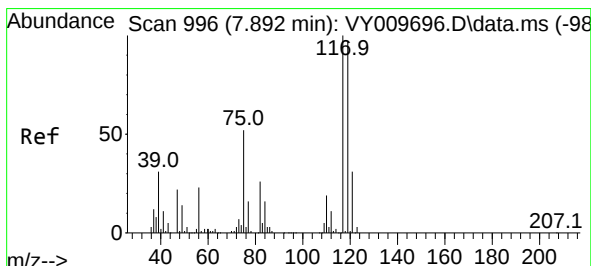
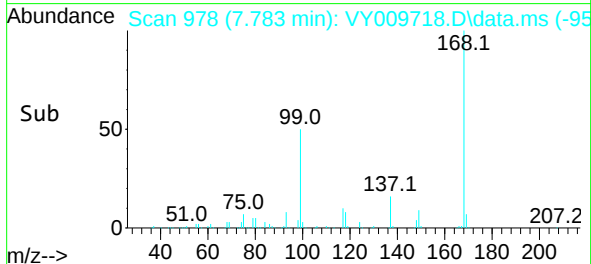
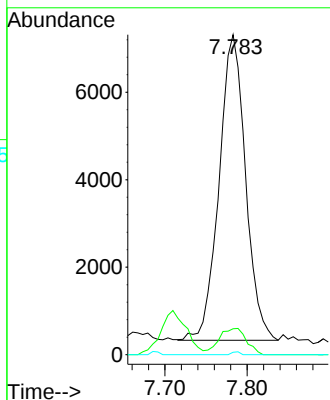
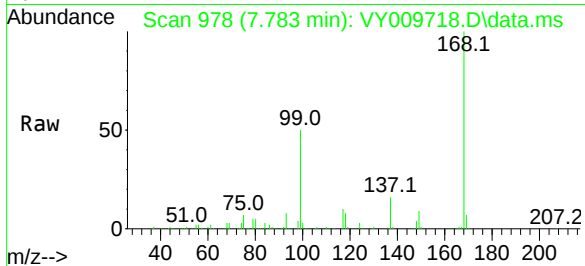




#36
1,1-Dichloropropene
Concen: 4.130 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

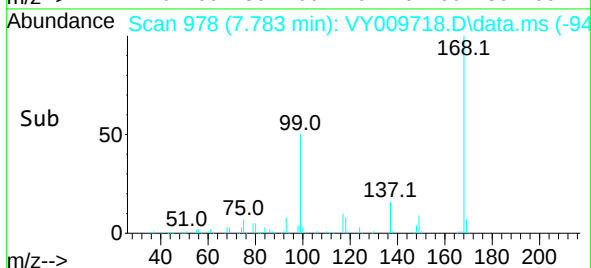
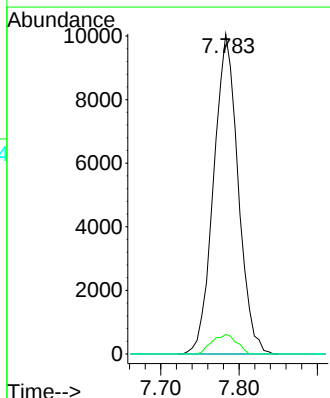
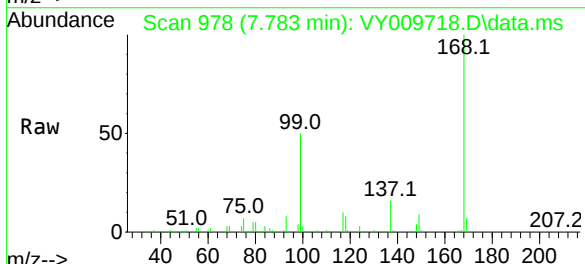
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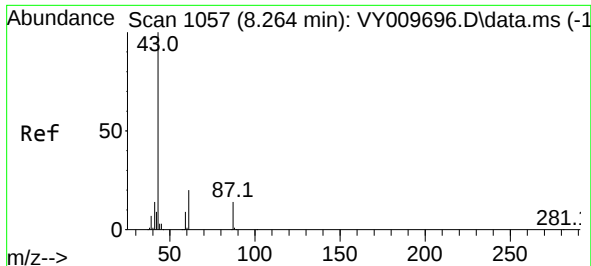
Tgt Ion: 75 Resp: 15670
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.3 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.380 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

Tgt Ion: 117 Resp: 21872
Ion Ratio Lower Upper
117 100
119 6.1 77.9 116.9#
121 0.0 24.8 37.2#

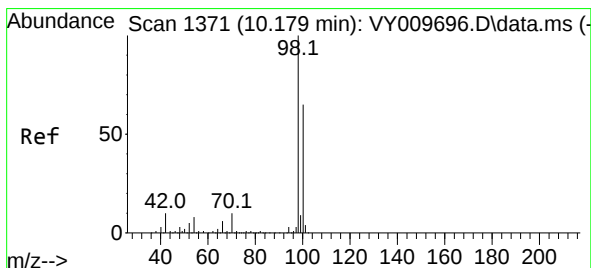
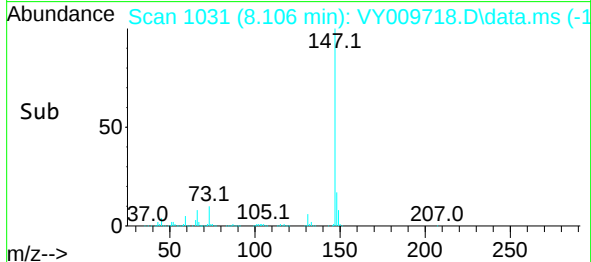
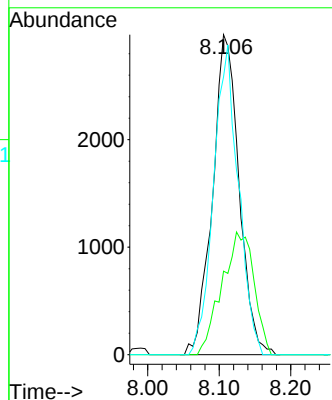
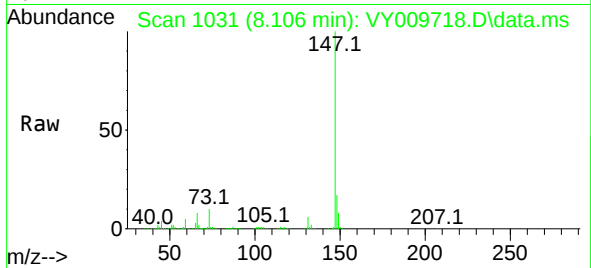




#43
Isopropyl Acetate
Concen: 1.953 ug/l
RT: 8.106 min Scan# 1031
Delta R.T. -0.158 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

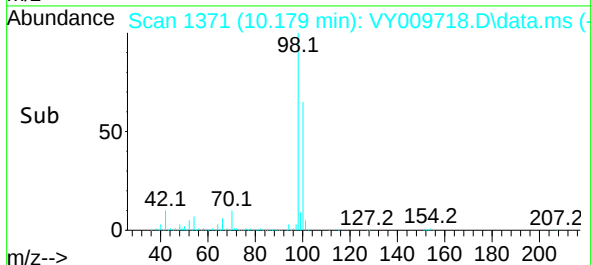
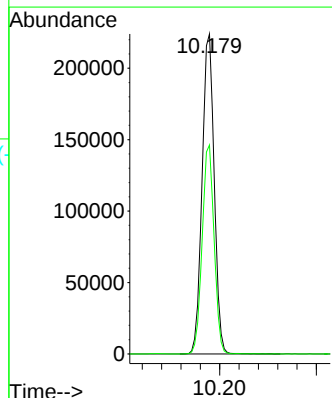
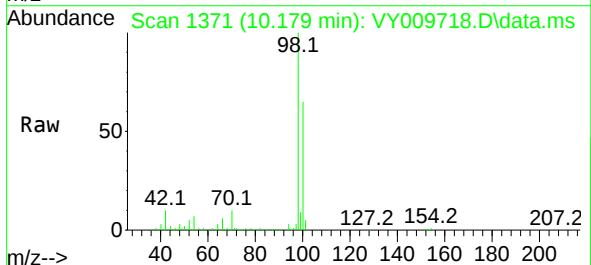
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

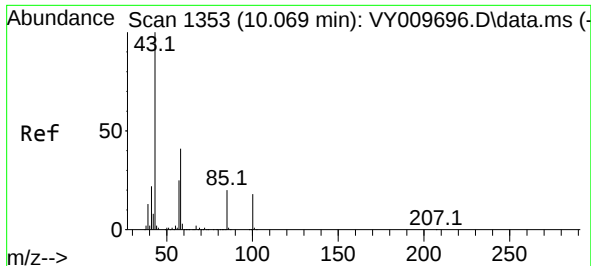
Tgt Ion: 43 Resp: 7675
Ion Ratio Lower Upper
43 100
61 46.3 20.2 30.2#
87 90.7 8.9 13.3#



#50
Toluene-d8
Concen: 57.878 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

Tgt Ion: 98 Resp: 388517
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2

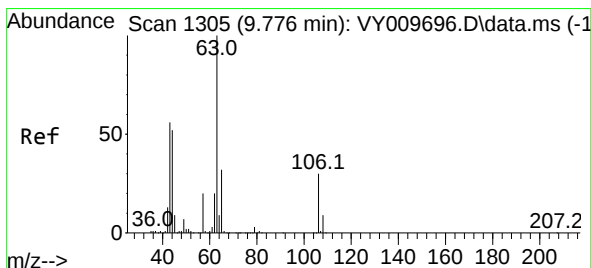
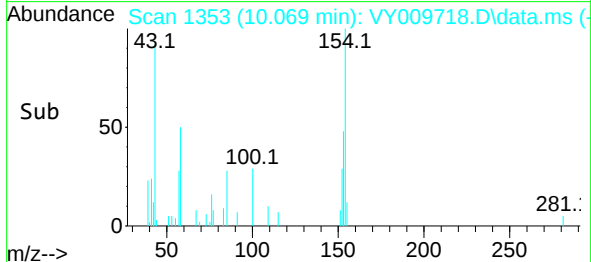
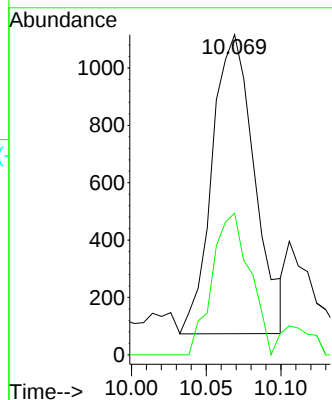
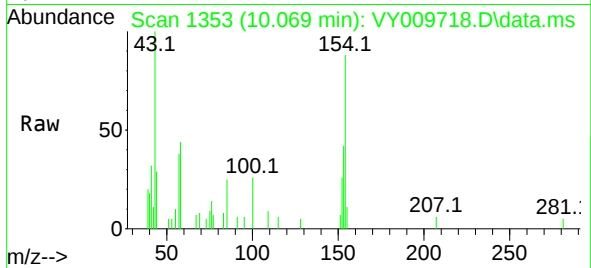




#51
4-Methyl-2-Pentanone
Concen: 1.031 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

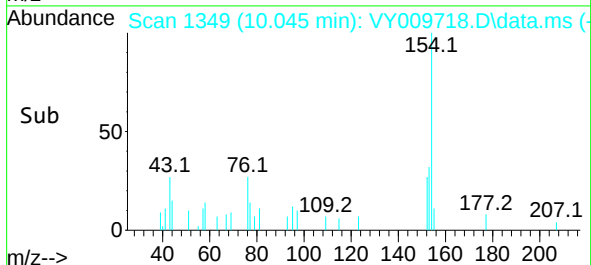
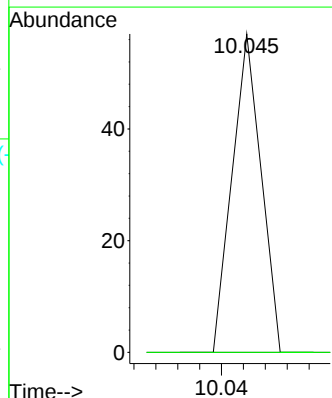
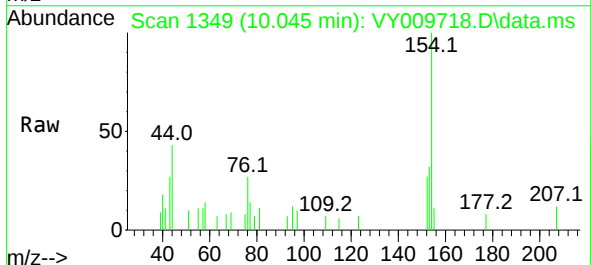
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

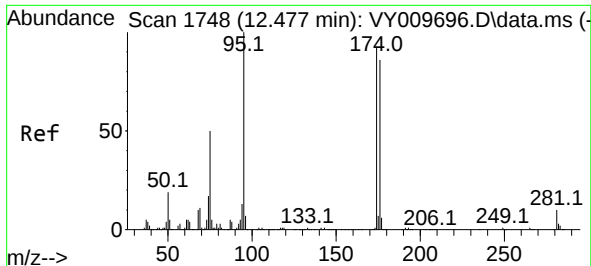
Tgt Ion: 43 Resp: 2061
Ion Ratio Lower Upper
43 100
58 41.9 28.1 42.1



#58
2-Chloroethyl Vinyl ether
Concen: 23.964 ug/l
RT: 10.045 min Scan# 1349
Delta R.T. 0.269 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

Tgt Ion: 63 Resp: 21
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

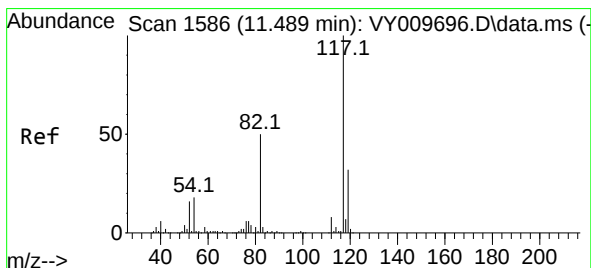
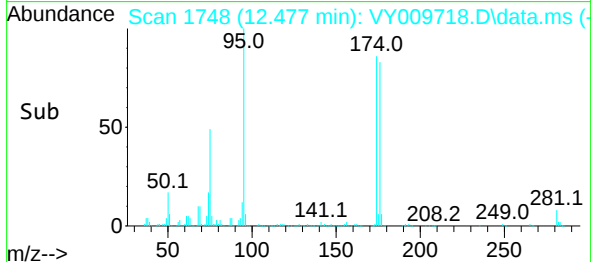
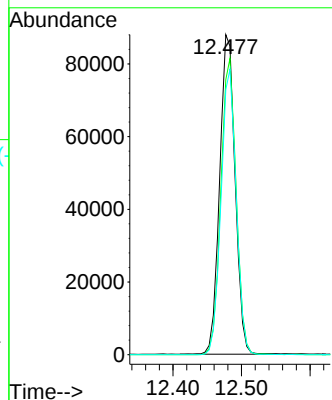
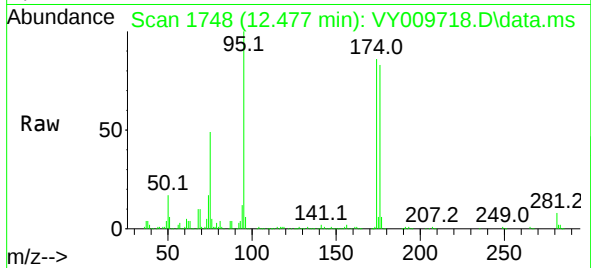




#62
4-Bromofluorobenzene
Concen: 44.327 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

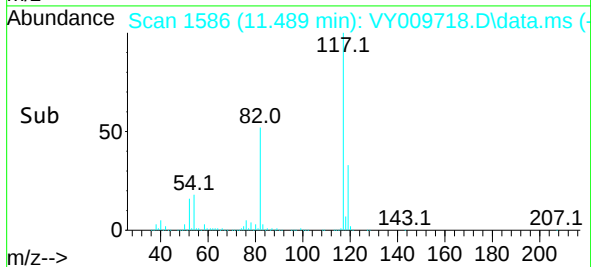
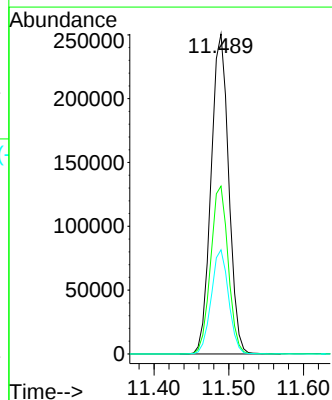
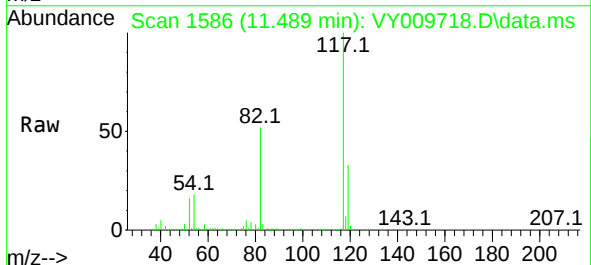
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

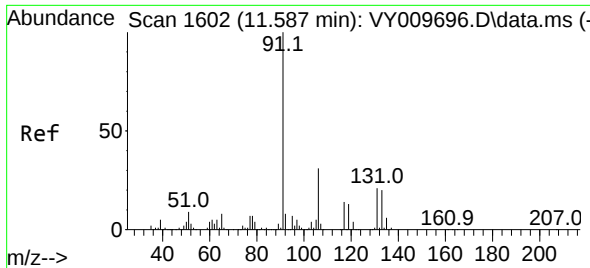
Tgt Ion: 95 Resp: 137057
Ion Ratio Lower Upper
95 100
174 91.8 0.0 177.0
176 88.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

Tgt Ion: 117 Resp: 411764
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 32.5 25.4 38.0

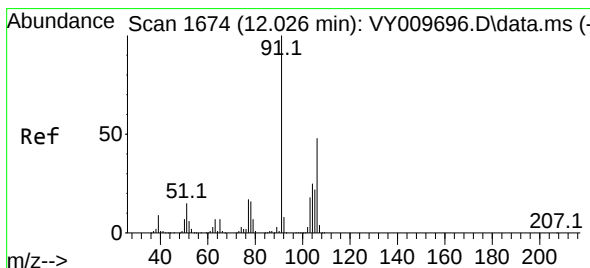
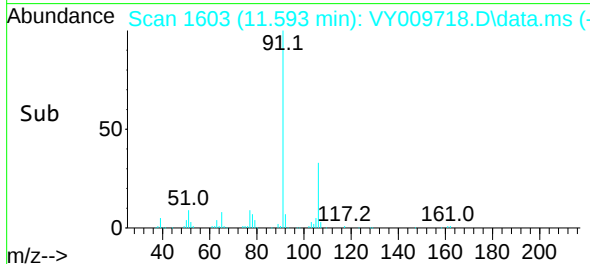
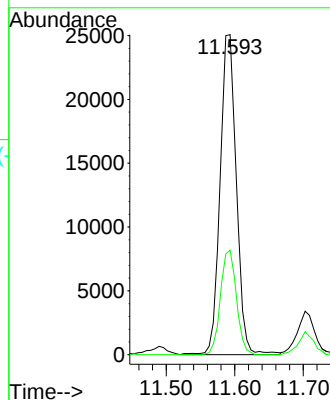
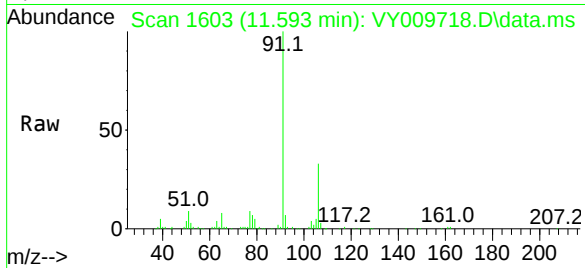




#67
Ethyl Benzene
Concen: 2.886 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

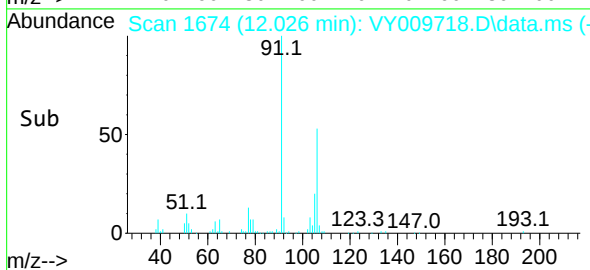
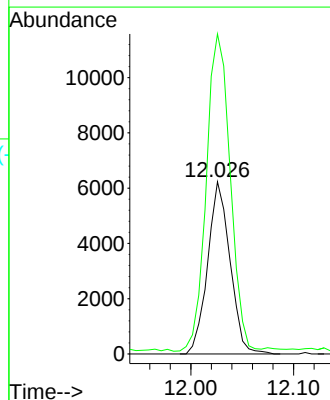
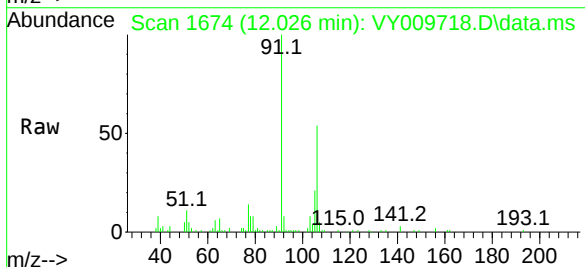
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

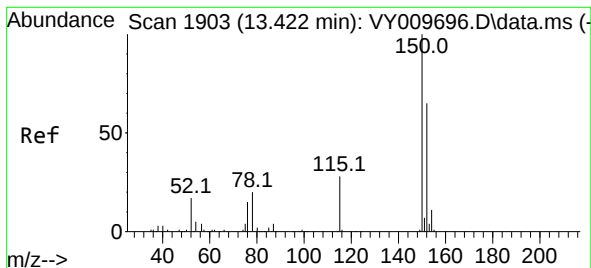
Tgt Ion: 91 Resp: 41218
Ion Ratio Lower Upper
91 100
106 32.7 24.5 36.7



#69
o-Xylene
Concen: 1.778 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

Tgt Ion: 106 Resp: 9429
Ion Ratio Lower Upper
106 100
91 196.3 110.3 331.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009718.D

Acq: 27 Jul 2022 12:45

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

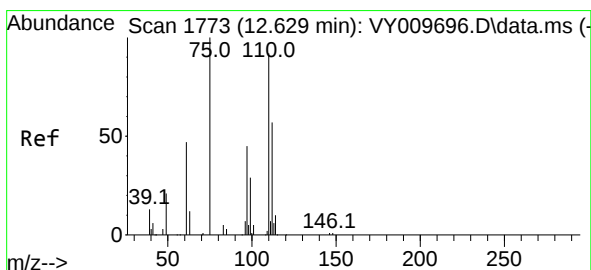
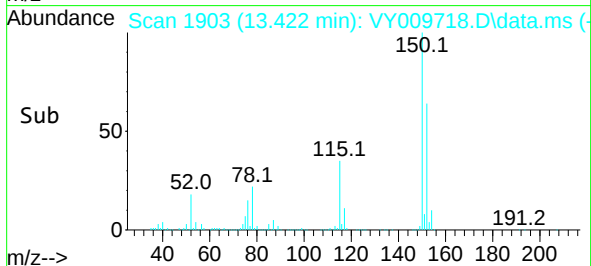
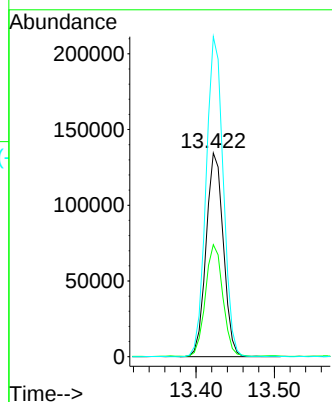
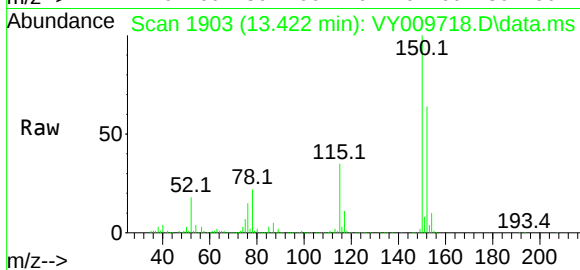
Tgt Ion:152 Resp: 205421

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.7

150 156.4 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 35.148 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009718.D

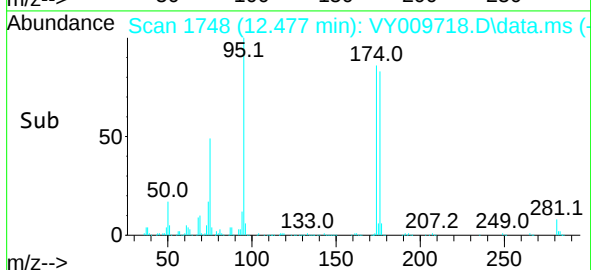
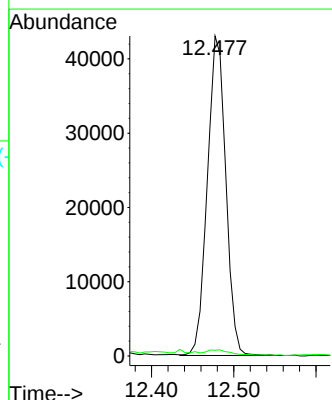
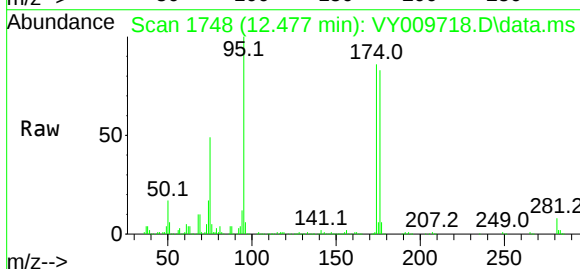
Acq: 27 Jul 2022 12:45

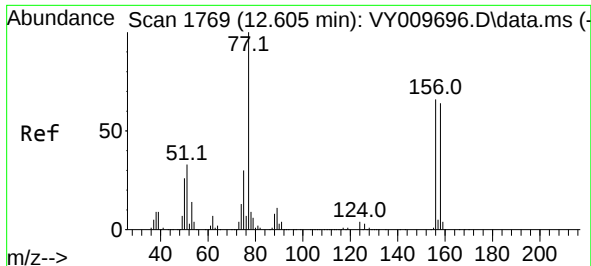
Tgt Ion: 75 Resp: 67064

Ion Ratio Lower Upper

75 100

77 2.6 0.0 0.0#

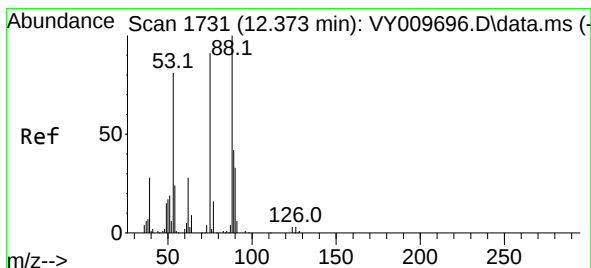
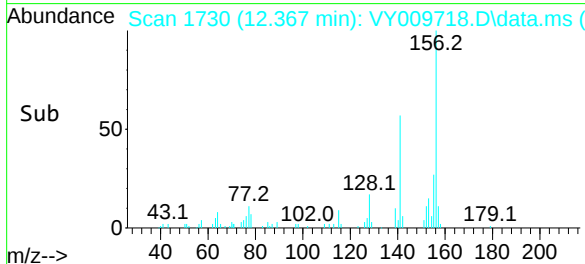
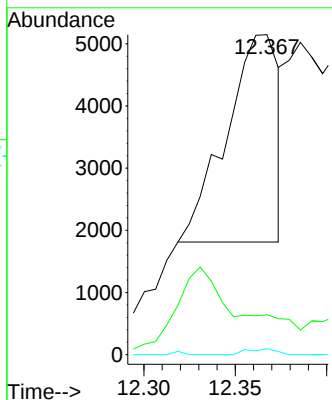
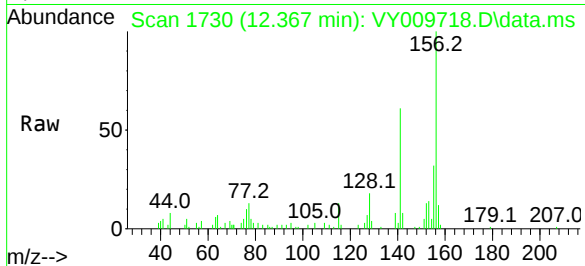




#77
Bromobenzene
Concen: 1.964 ug/l
RT: 12.367 min Scan# 1748
Delta R.T. -0.238 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

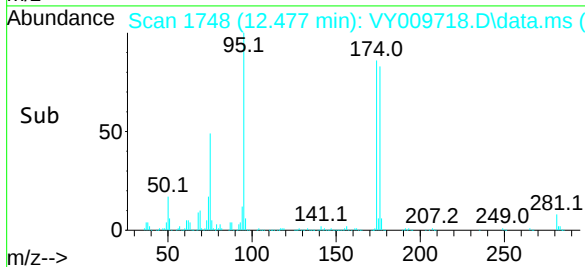
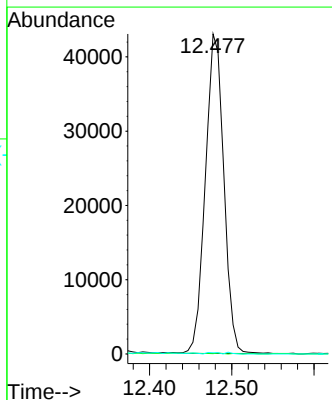
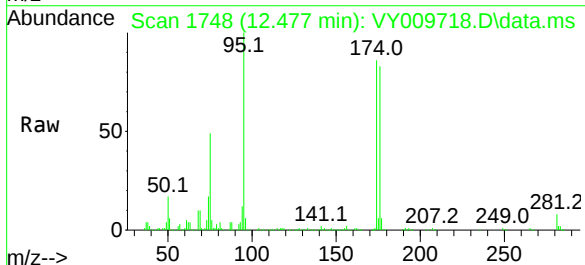
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

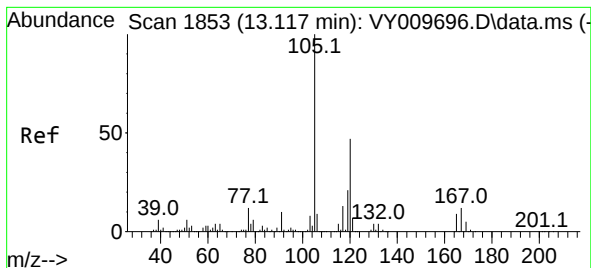
Tgt Ion:156 Resp: 6662
Ion Ratio Lower Upper
156 100
77 0.0 95.5 286.4#
158 1.6 48.0 144.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.060 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

Tgt Ion: 75 Resp: 67064
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.3 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.238 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY009718.D

Acq: 27 Jul 2022 12:45

Instrument :

MSVOA_Y

ClientSampleId :

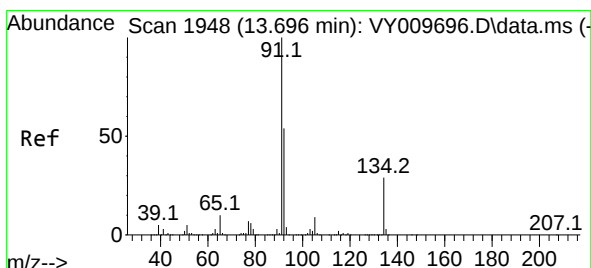
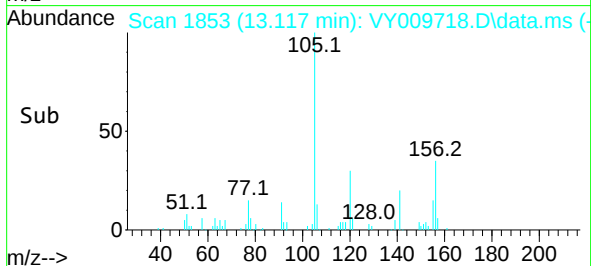
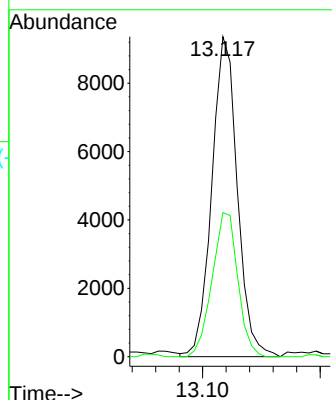
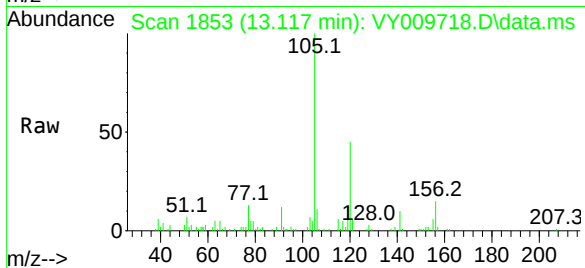
VIBLK

Tgt Ion:105 Resp: 14124

Ion Ratio Lower Upper

105 100

120 45.2 22.3 66.9



#89

n-Butylbenzene

Concen: 3.562 ug/l

RT: 13.623 min Scan# 1936

Delta R.T. -0.073 min

Lab File: VY009718.D

Acq: 27 Jul 2022 12:45

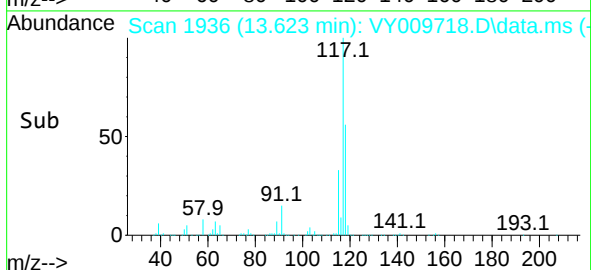
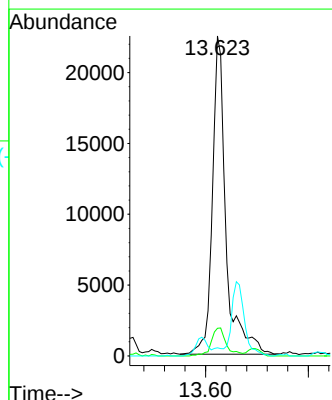
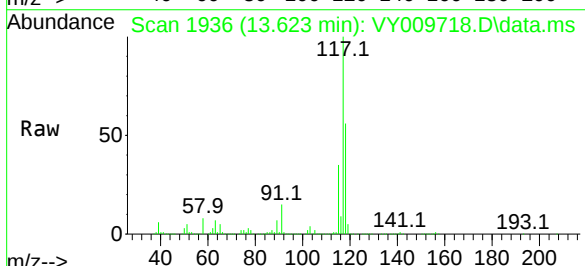
Tgt Ion: 91 Resp: 41218

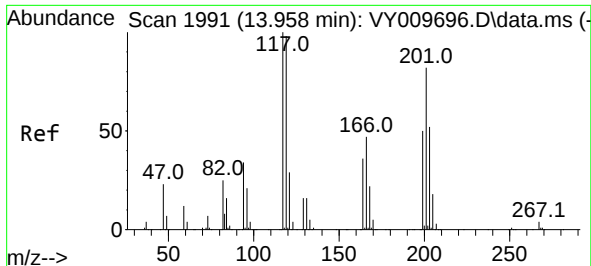
Ion Ratio Lower Upper

91 100

92 9.8 26.3 78.9#

134 0.0 13.0 38.9#

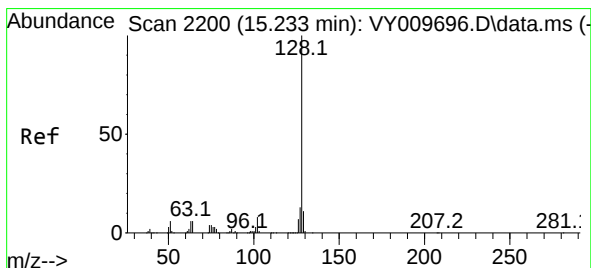
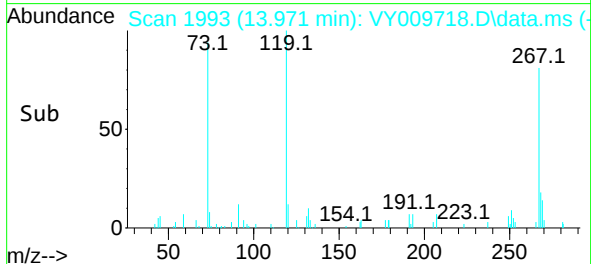
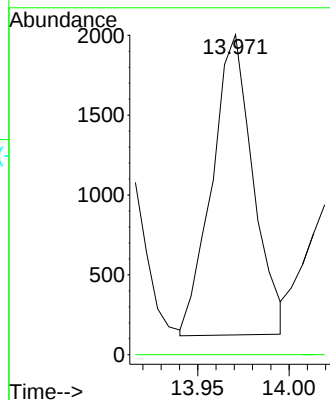
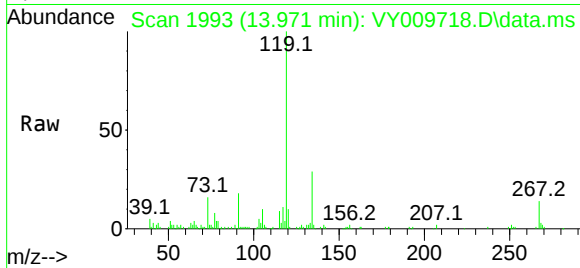




#90
Hexachloroethane
Concen: 1.187 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.013 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 2949
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 306.080 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY009718.D
Acq: 27 Jul 2022 12:45

Tgt Ion:128 Resp: 2214482
Ion Ratio Lower Upper
128 100
127 12.9 11.0 16.4
129 11.1 8.4 12.6

