

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070522\
 Data File : VY009437.D
 Acq On : 05 Jul 2022 15:07
 Operator : KP/MD
 Sample : N3571-01
 Misc : 4.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VB16128

Quant Time: Jul 06 04:50:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

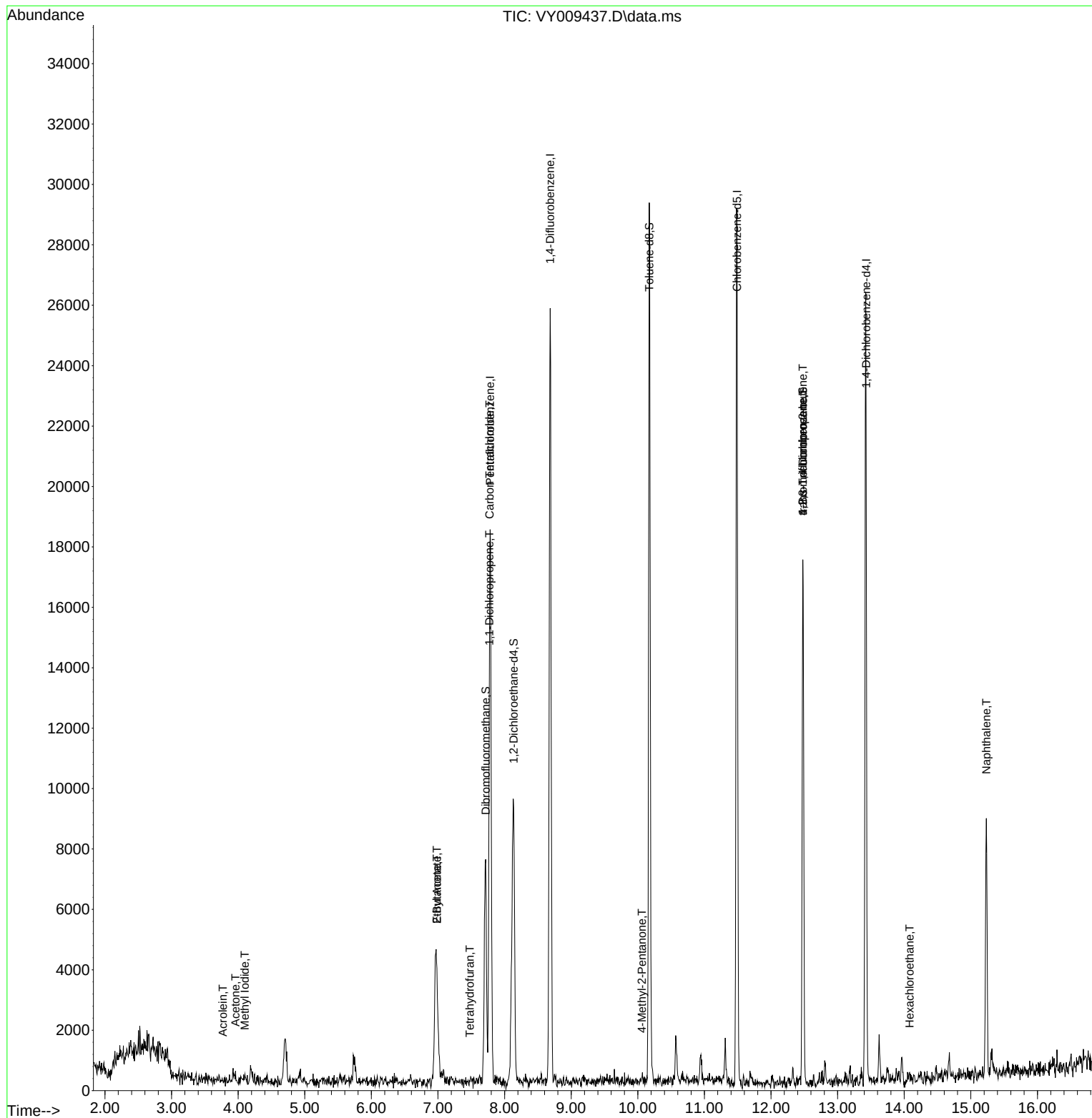
Internal Standards						
1) Pentafluorobenzene	7.783	168	14391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	21872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	17082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	6364	55.211	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.420%			
35) Dibromofluoromethane	7.716	113	5046	41.918	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 83.840%			
50) Toluene-d8	10.173	98	18555	50.274	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 100.540%			
62) 4-Bromofluorobenzene	12.477	95	4719	26.959	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 53.920%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.101	142	223	1.432	ug/l #	61
11) Tert butyl alcohol	4.936	59	123	Below Cal	#	1
13) Acrolein	3.771	56	22	2.287	ug/l #	14
16) Acetone	3.960	43	254	6.710	ug/l #	47
18) Methyl Acetate	4.497	43	30	Below Cal	#	56
20) Methylene Chloride	4.710	84	948	Below Cal	#	71
25) 2-Butanone	6.984	43	228	3.799	ug/l #	54
29) Tetrahydrofuran	7.478	42	41	1.066	ug/l #	38
36) 1,1-Dichloropropene	7.771	75	1249	5.934	ug/l #	51
37) Ethyl Acetate	6.984	43	228	1.827	ug/l #	72
38) Carbon Tetrachloride	7.777	117	1493	6.786	ug/l #	11
51) 4-Methyl-2-Pentanone	10.063	43	160	1.354	ug/l #	40
76) 1,2,3-Trichloropropane	12.477	75	2540	30.187	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2540	67.211	ug/l #	7
90) Hexachloroethane	14.080	117	219	2.339	ug/l #	6
95) Naphthalene	15.233	128	7405	27.486	ug/l	98

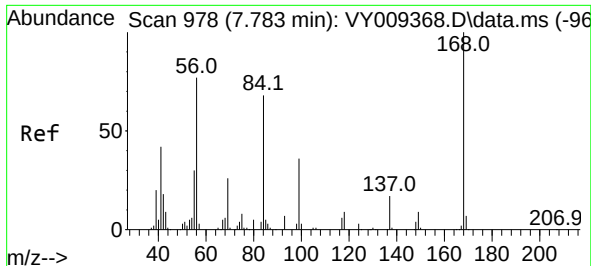
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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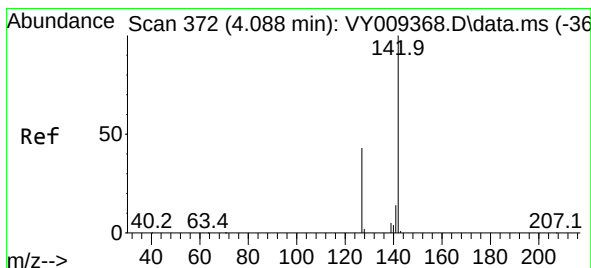
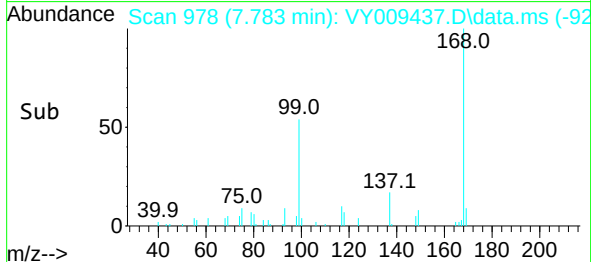
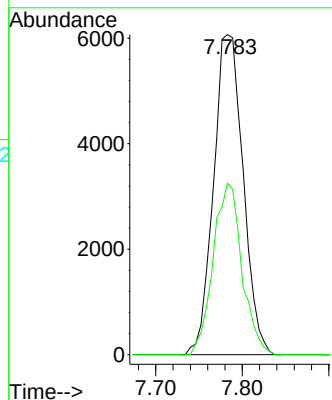
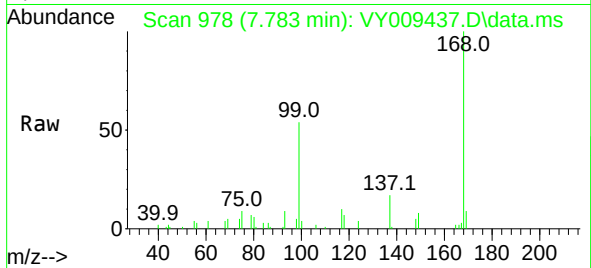




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

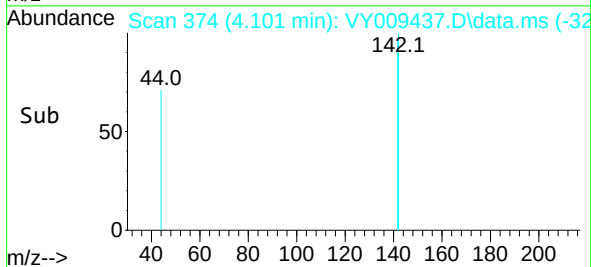
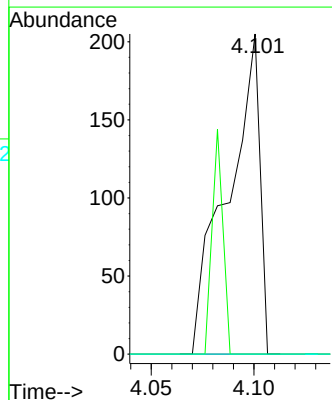
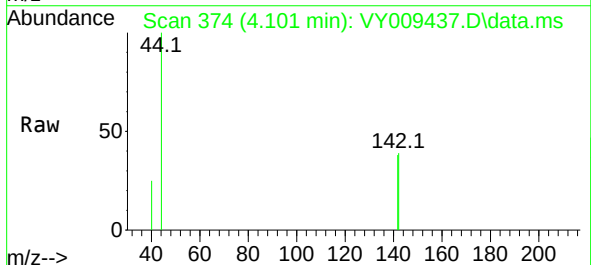
Instrument :
MSVOA_Y
ClientSampleId :
VB16128

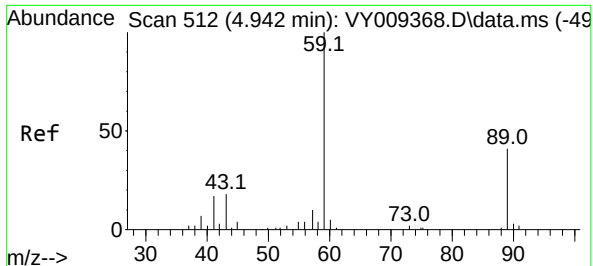
Tgt Ion:168 Resp: 14391
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#10
Methyl Iodide
Concen: 1.432 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.019 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

Tgt Ion:142 Resp: 223
Ion Ratio Lower Upper
142 100
127 23.8 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY009437.D

Acq: 05 Jul 2022 15:07

Instrument :

MSVOA_Y

ClientSampleId :

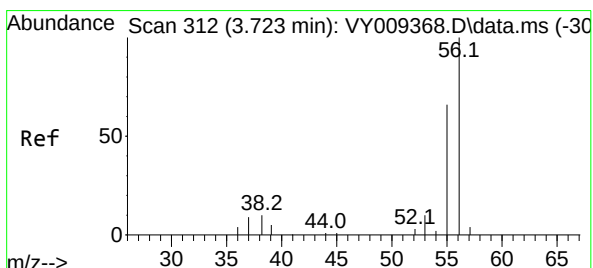
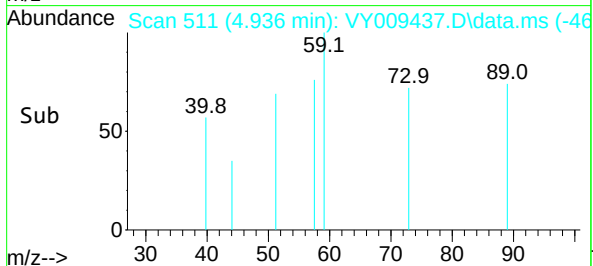
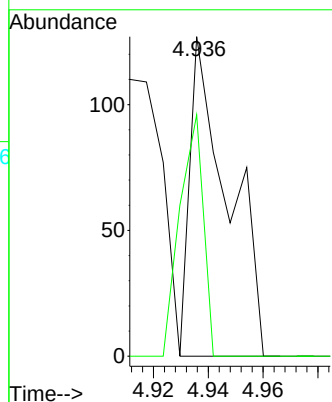
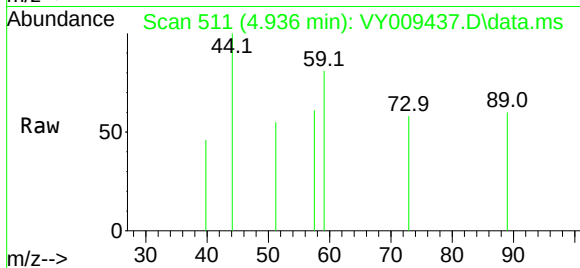
VB16128

Tgt Ion: 59 Resp: 123

Ion Ratio Lower Upper

59 100

57 46.3 6.4 9.6#



#13

Acrolein

Concen: 2.287 ug/l

RT: 3.771 min Scan# 320

Delta R.T. 0.048 min

Lab File: VY009437.D

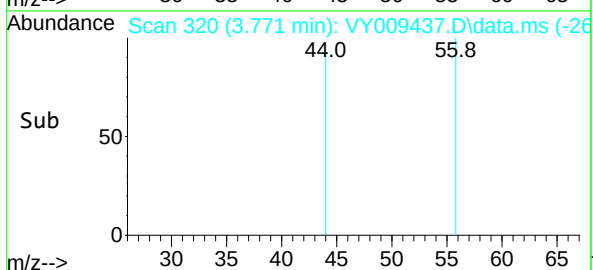
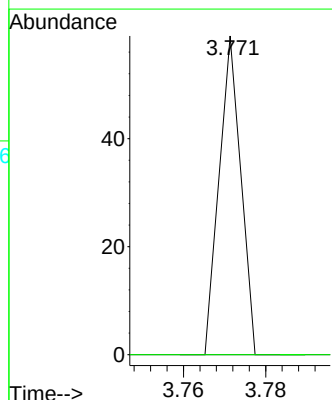
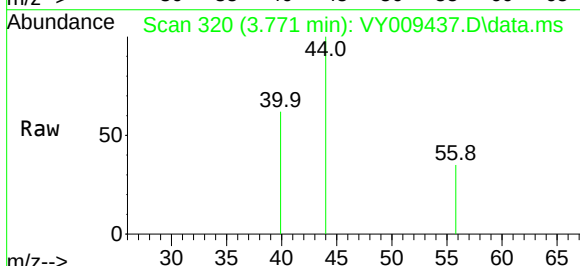
Acq: 05 Jul 2022 15:07

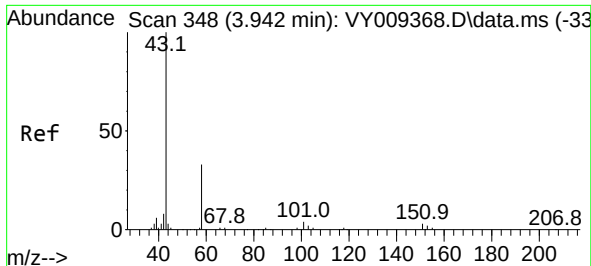
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#

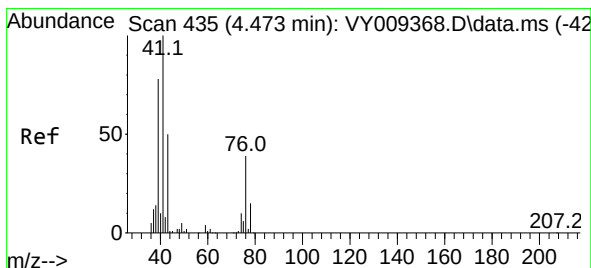
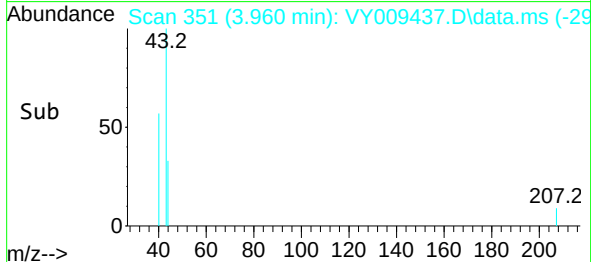
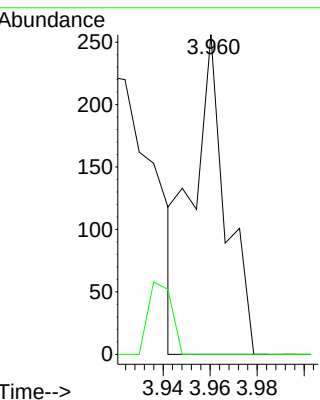
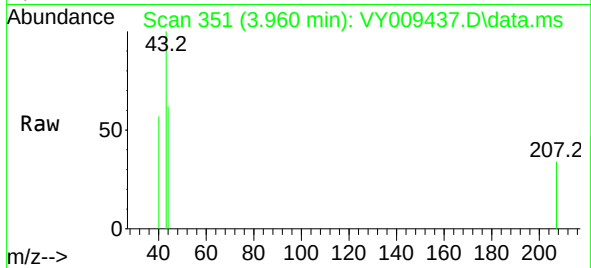




#16
Acetone
Concen: 6.710 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

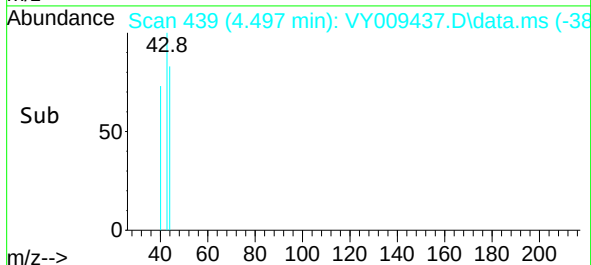
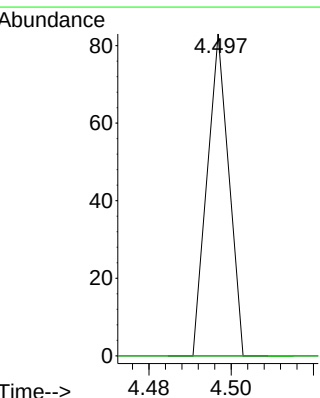
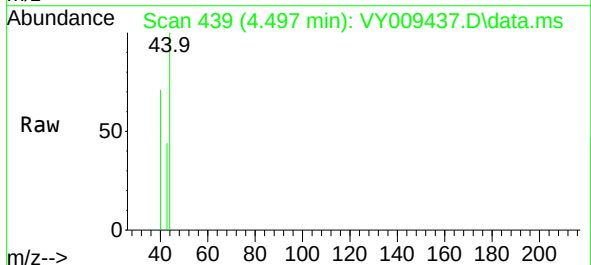
Instrument :
MSVOA_Y
ClientSampleId :
VB16128

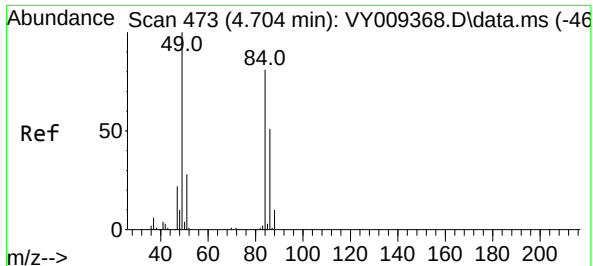
Tgt Ion: 43 Resp: 254
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.497 min Scan# 439
Delta R.T. 0.024 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

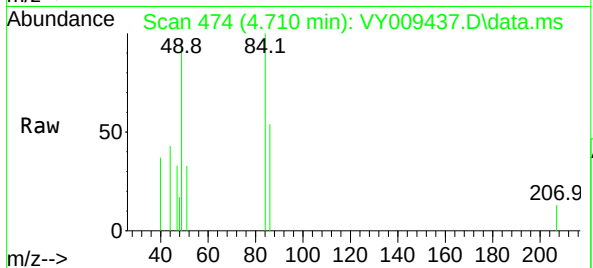
Tgt Ion: 43 Resp: 30
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



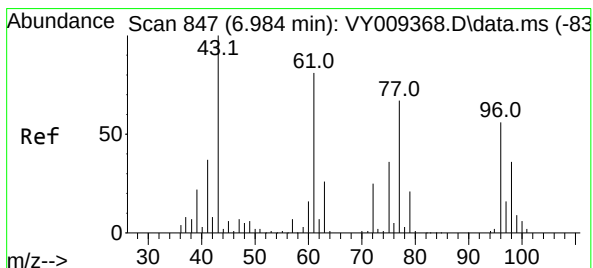
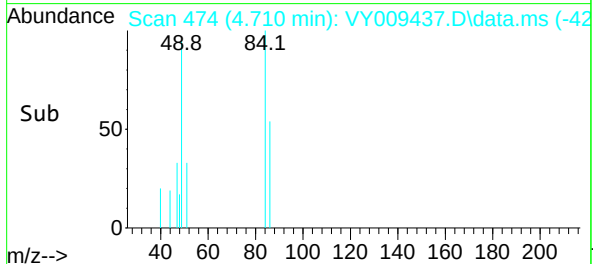
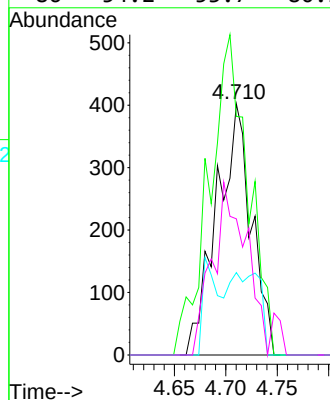


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VB16128

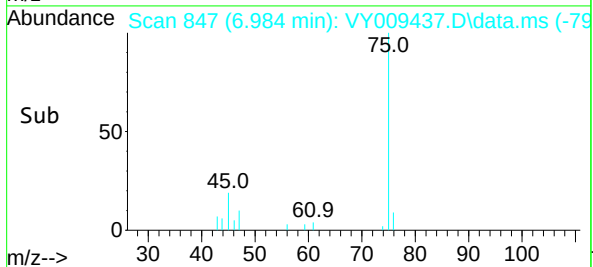
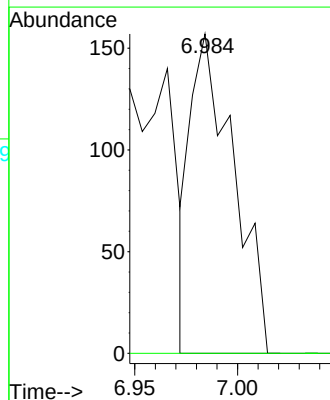
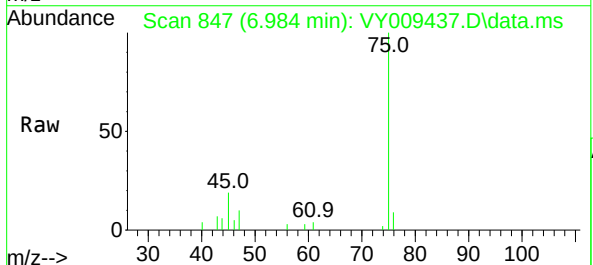


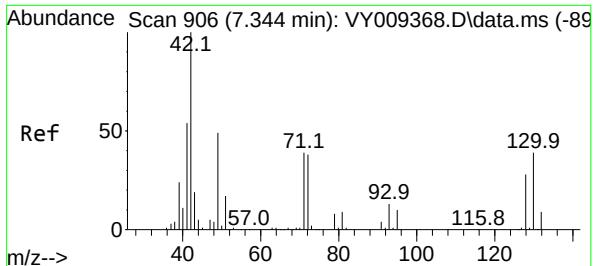
Tgt Ion: 84 Resp: 948
Ion Ratio Lower Upper
84 100
49 95.0 114.4 171.6#
51 32.8 35.3 52.9#
86 54.2 53.7 80.5



#25
2-Butanone
Concen: 3.799 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

Tgt Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





#29

Tetrahydrofuran

Concen: 1.066 ug/l

RT: 7.478 min Scan# 91

Delta R.T. 0.134 min

Lab File: VY009437.D

Acq: 05 Jul 2022 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VB16128

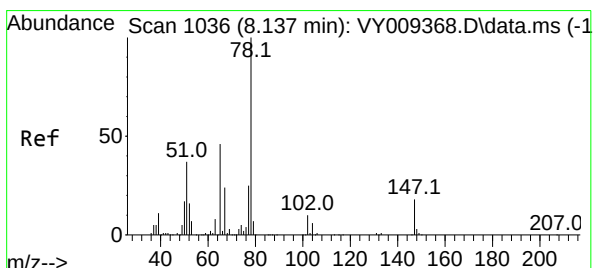
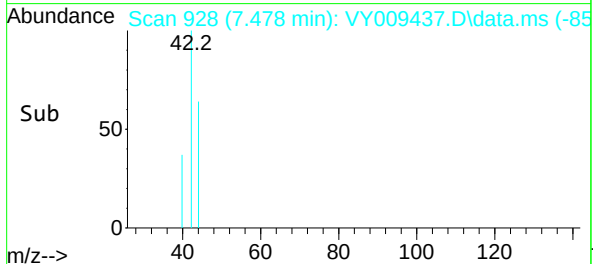
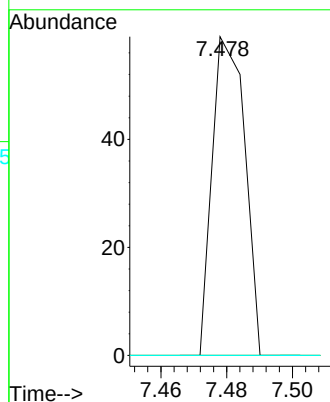
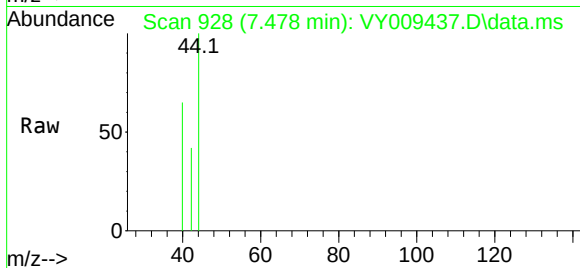
Tgt Ion: 42 Resp: 41

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 0.0 29.0 43.4#



#33

1,2-Dichloroethane-d4

Concen: 55.211 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009437.D

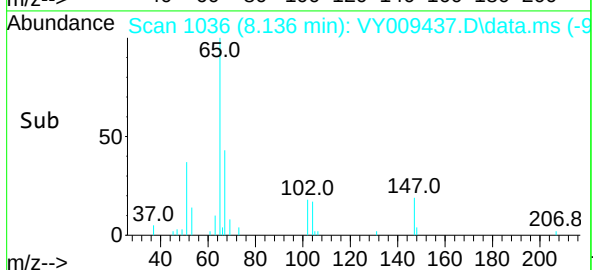
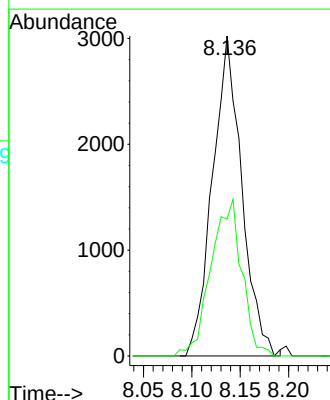
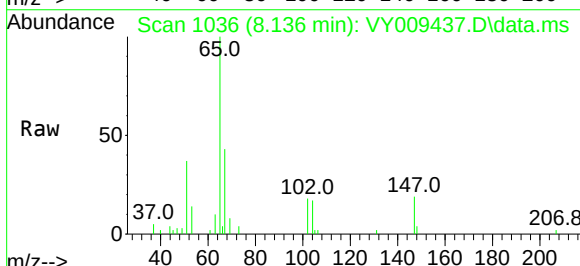
Acq: 05 Jul 2022 15:07

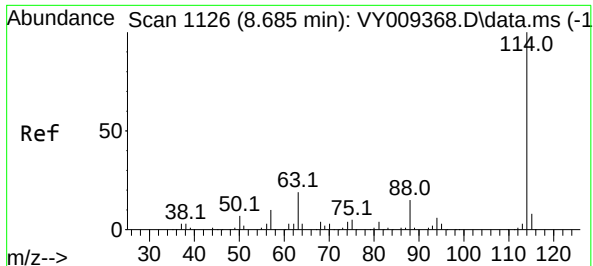
Tgt Ion: 65 Resp: 6364

Ion Ratio Lower Upper

65 100

67 51.6 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: VY009437.D

Acq: 05 Jul 2022 15:07

Instrument :

MSVOA_Y

ClientSampleId :

VB16128

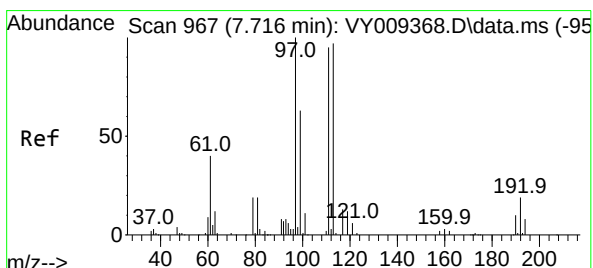
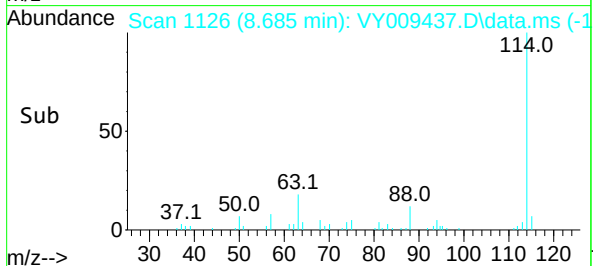
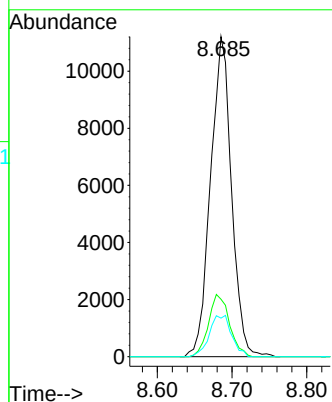
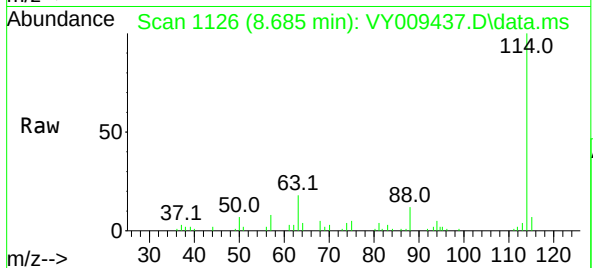
Tgt Ion:114 Resp: 21872

Ion Ratio Lower Upper

114 100

63 17.9 0.0 43.2

88 12.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 41.918 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY009437.D

Acq: 05 Jul 2022 15:07

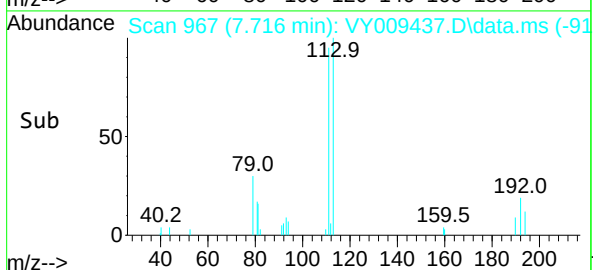
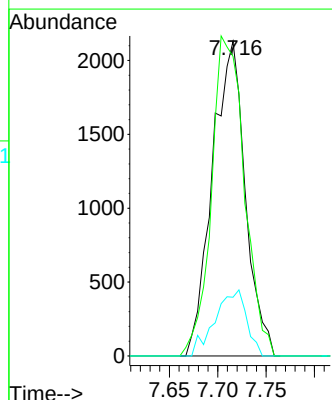
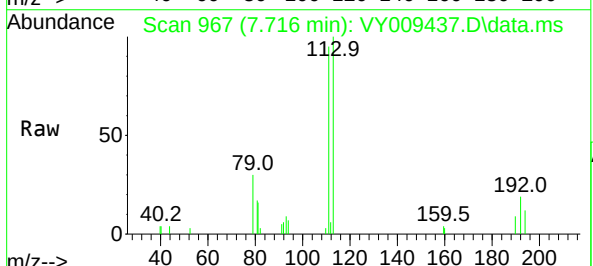
Tgt Ion:113 Resp: 5046

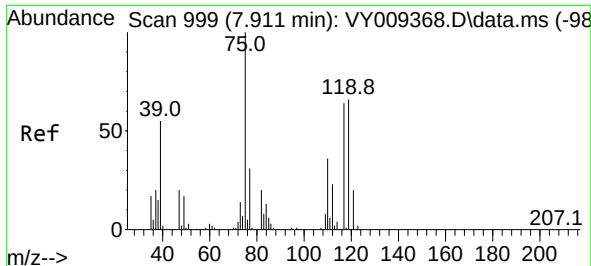
Ion Ratio Lower Upper

113 100

111 101.1 82.6 124.0

192 20.0 17.6 26.4

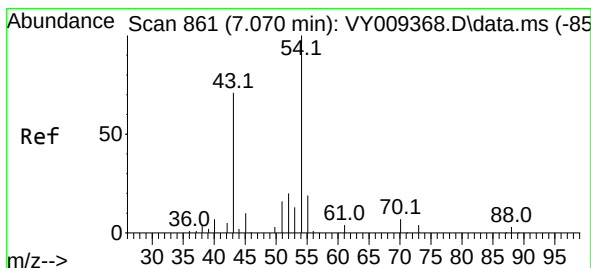
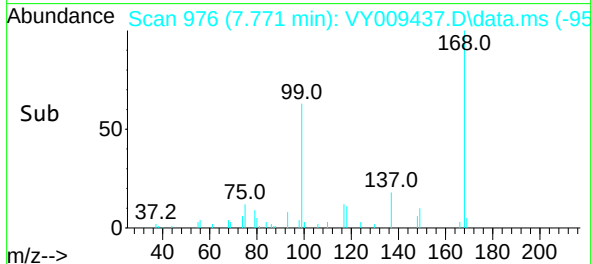
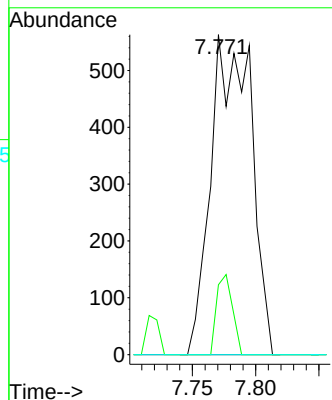
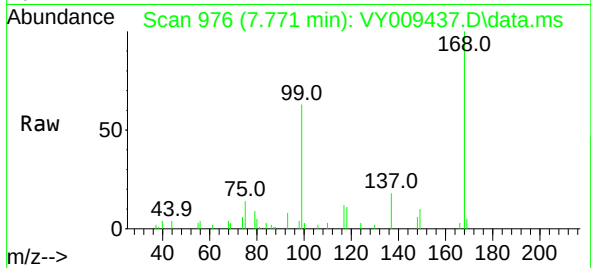




#36
1,1-Dichloropropene
Concen: 5.934 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

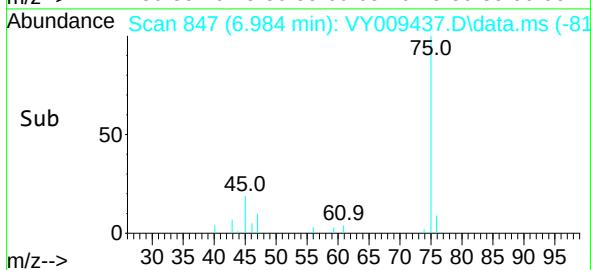
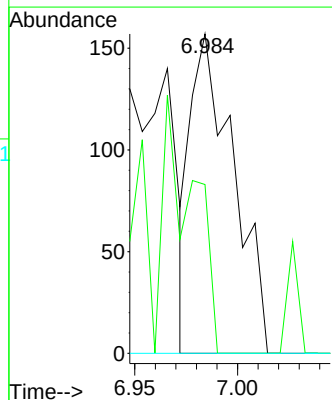
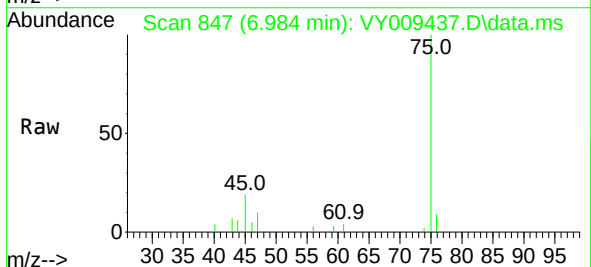
Instrument :
MSVOA_Y
ClientSampleId :
VB16128

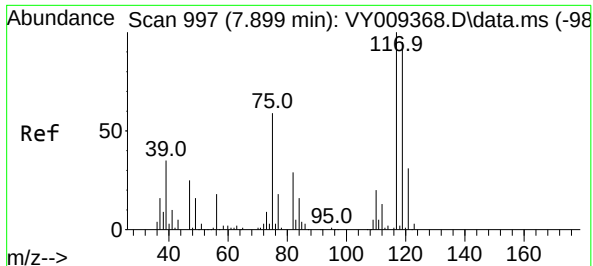
Tgt Ion: 75 Resp: 1249
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.827 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.086 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

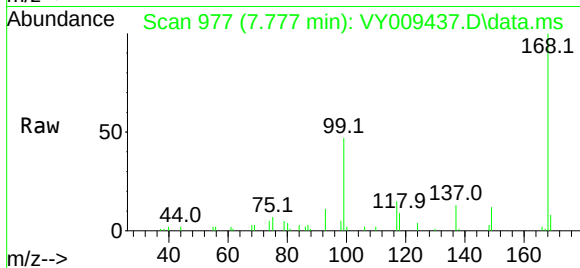
Tgt Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#



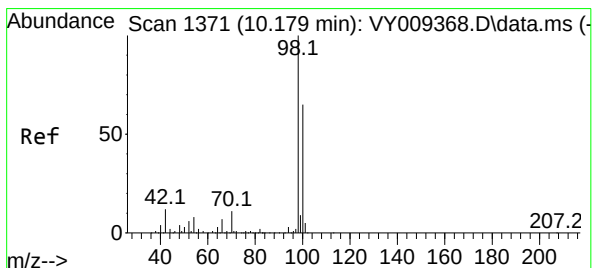
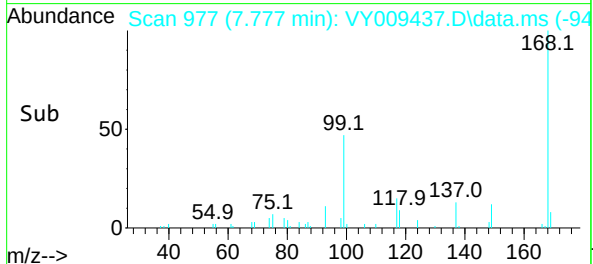
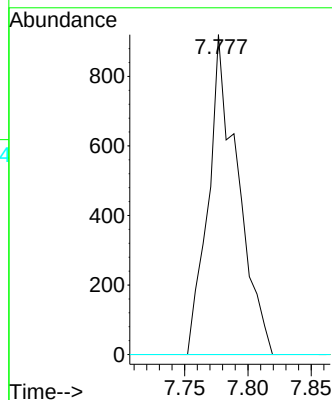


#38
Carbon Tetrachloride
Concen: 6.786 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VB16128

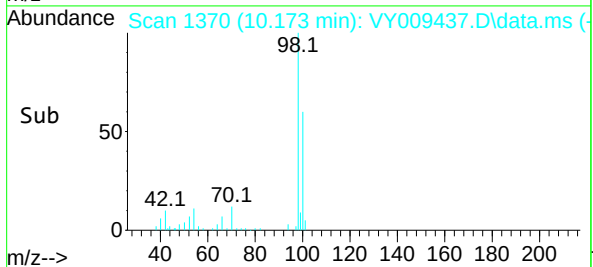
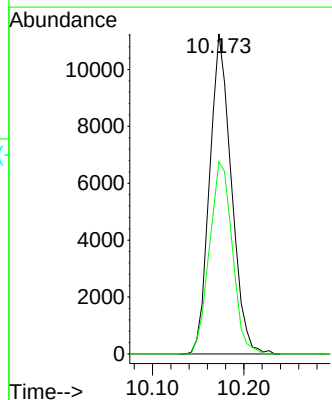
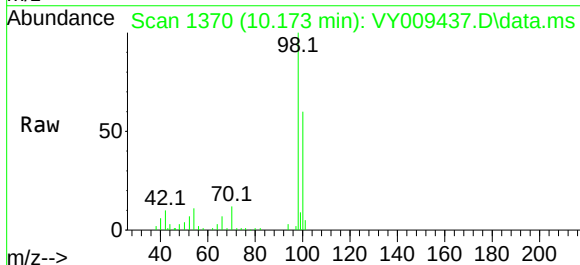


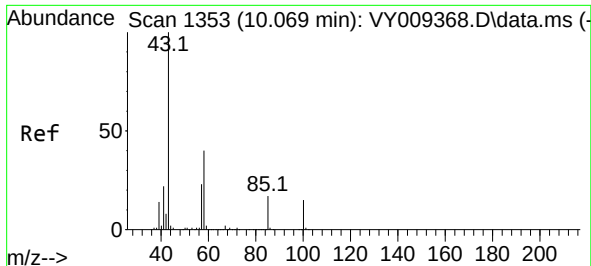
Tgt Ion:117 Resp: 1493
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.274 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

Tgt Ion: 98 Resp: 18555
Ion Ratio Lower Upper
98 100
100 63.2 50.2 75.2

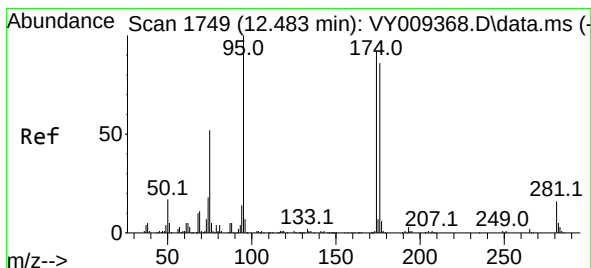
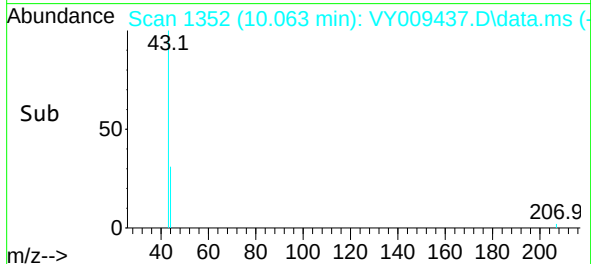
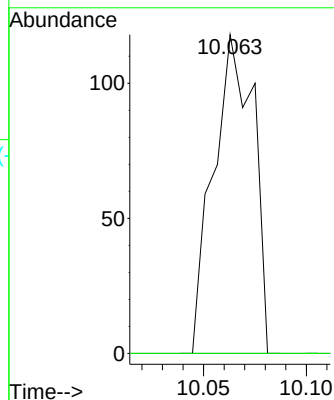
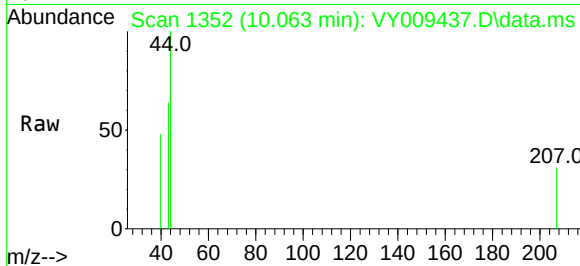




#51
4-Methyl-2-Pentanone
Concen: 1.354 ug/l
RT: 10.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

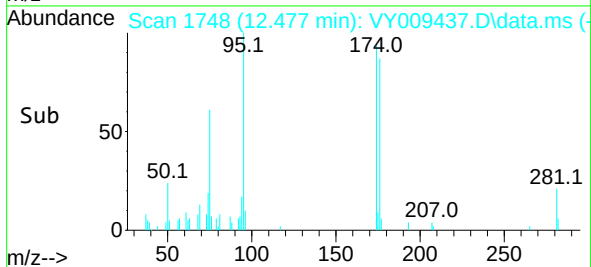
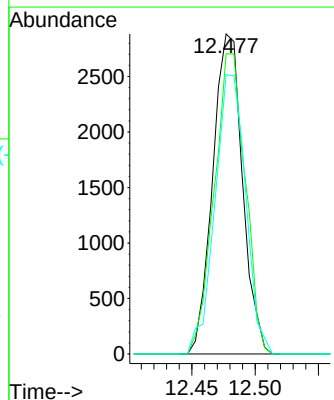
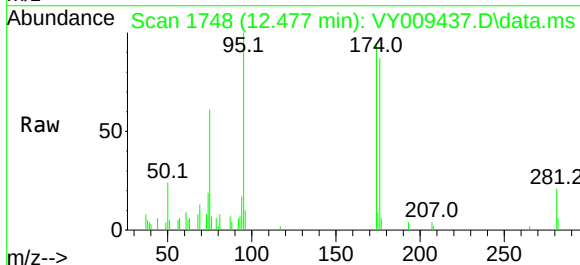
Instrument :
MSVOA_Y
ClientSampleId :
VB16128

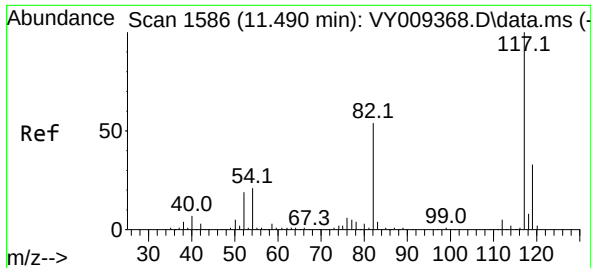
Tgt Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 26.959 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

Tgt Ion: 95 Resp: 4719
Ion Ratio Lower Upper
95 100
174 97.8 0.0 177.0
176 89.9 0.0 175.8

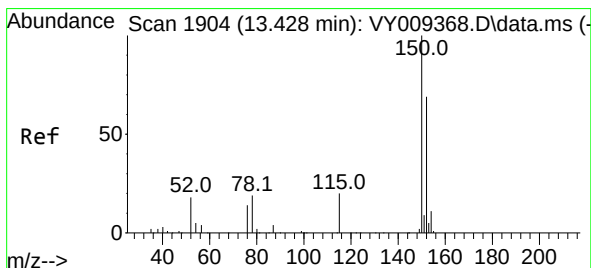
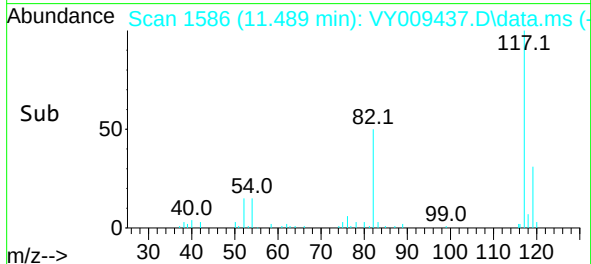
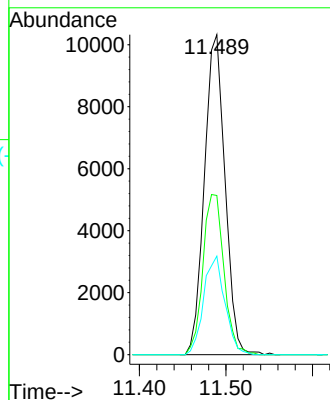
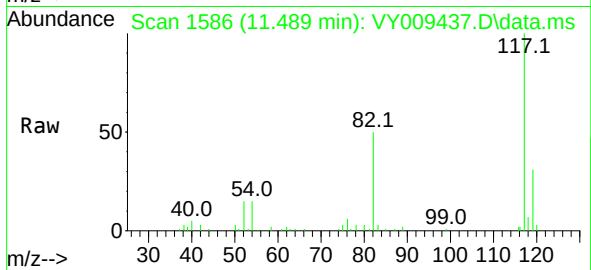




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

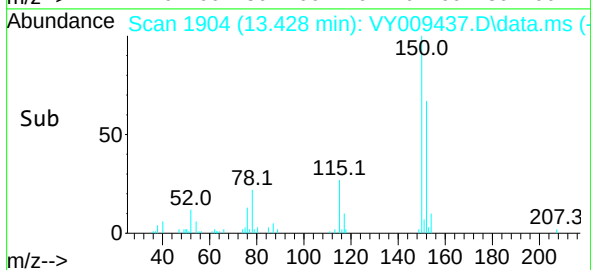
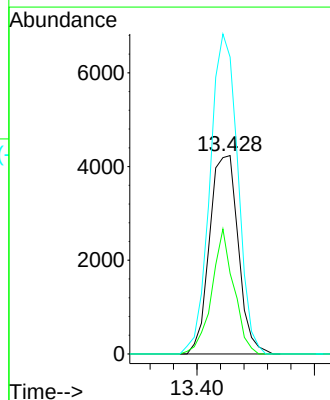
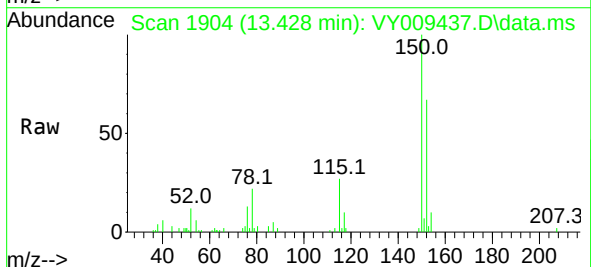
Instrument :
MSVOA_Y
ClientSampleId :
VB16128

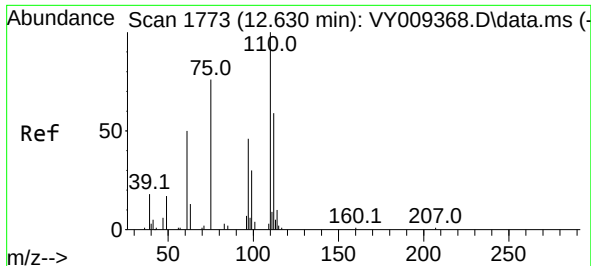
Tgt Ion:117 Resp: 17082
Ion Ratio Lower Upper
117 100
82 49.7 43.0 64.4
119 30.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

Tgt Ion:152 Resp: 7185
Ion Ratio Lower Upper
152 100
115 48.3 28.2 84.7
150 155.9 0.0 347.6

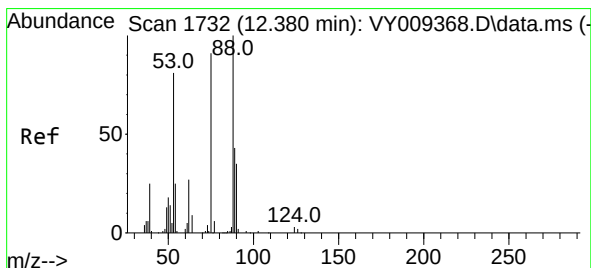
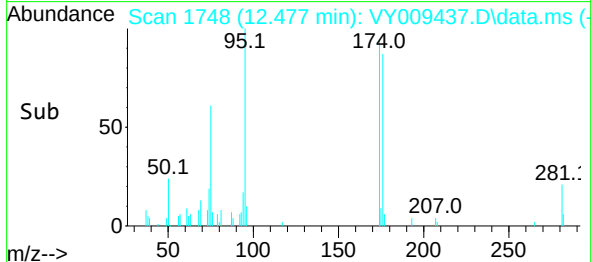
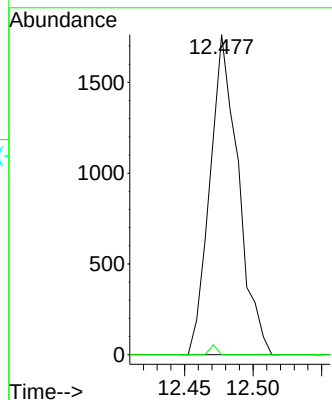
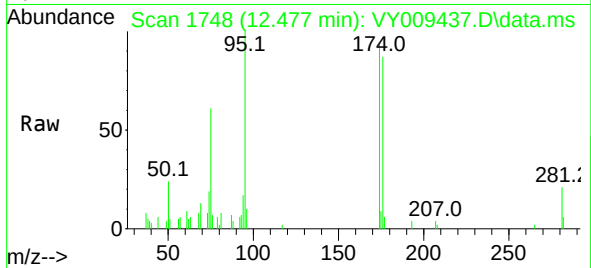




#76
1,2,3-Trichloropropane
Concen: 30.187 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

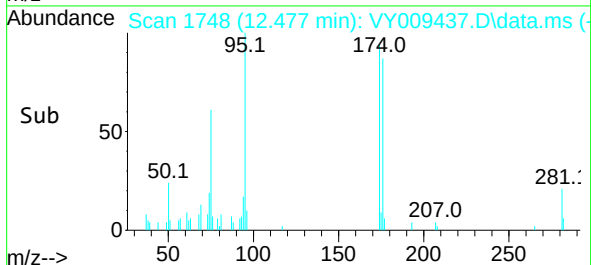
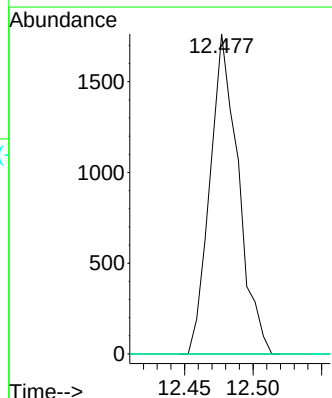
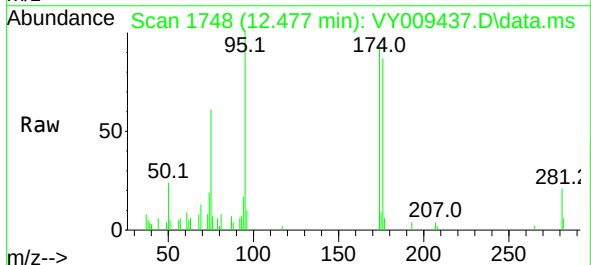
Instrument :
MSVOA_Y
ClientSampleId :
VB16128

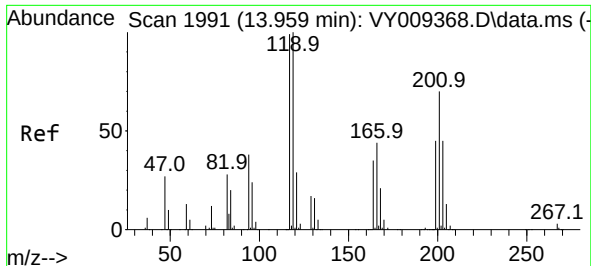
Tgt Ion: 75 Resp: 2540
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.211 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

Tgt Ion: 75 Resp: 2540
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

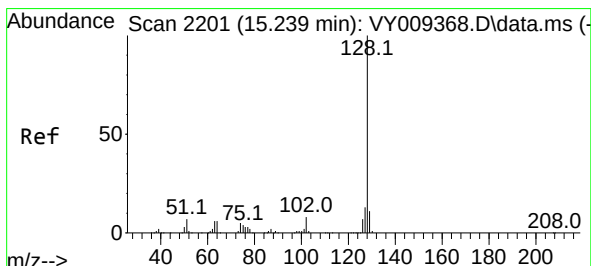
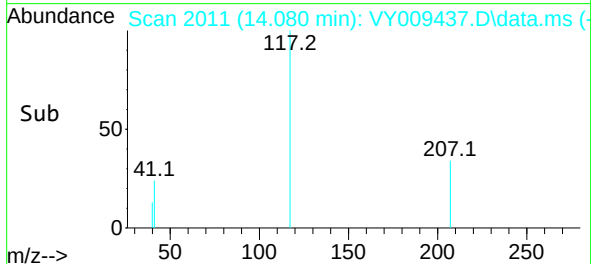
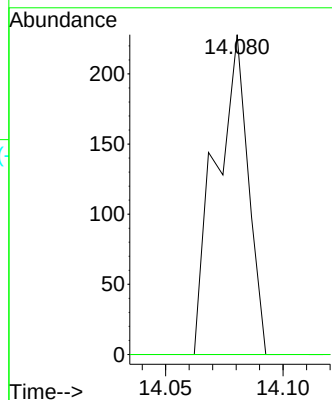
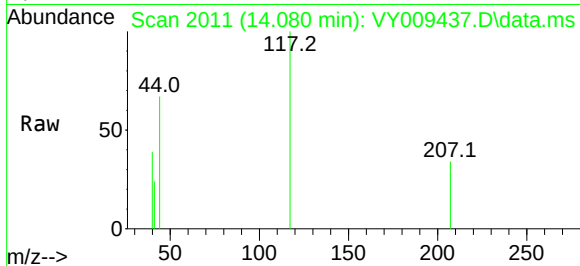




#90
Hexachloroethane
Concen: 2.339 ug/l
RT: 14.080 min Scan# 201
Delta R.T. 0.121 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VB16128

Tgt Ion:117 Resp: 219
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 27.486 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY009437.D
Acq: 05 Jul 2022 15:07

Tgt Ion:128 Resp: 7405
Ion Ratio Lower Upper
128 100
127 12.7 11.0 16.4
129 11.1 8.4 12.6

