

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063022\
 Data File : VY009402.D
 Acq On : 30 Jun 2022 18:43
 Operator : KP/MD
 Sample : N3488-13
 Misc : 5.72g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 01 03:48:39 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	130905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	223830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	213097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	97947	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	60487	57.689	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.380%
35) Dibromofluoromethane	7.710	113	52120	42.308	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.620%
50) Toluene-d8	10.173	98	199262	52.756	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.520%
62) 4-Bromofluorobenzene	12.477	95	65653	36.650	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	73.300%

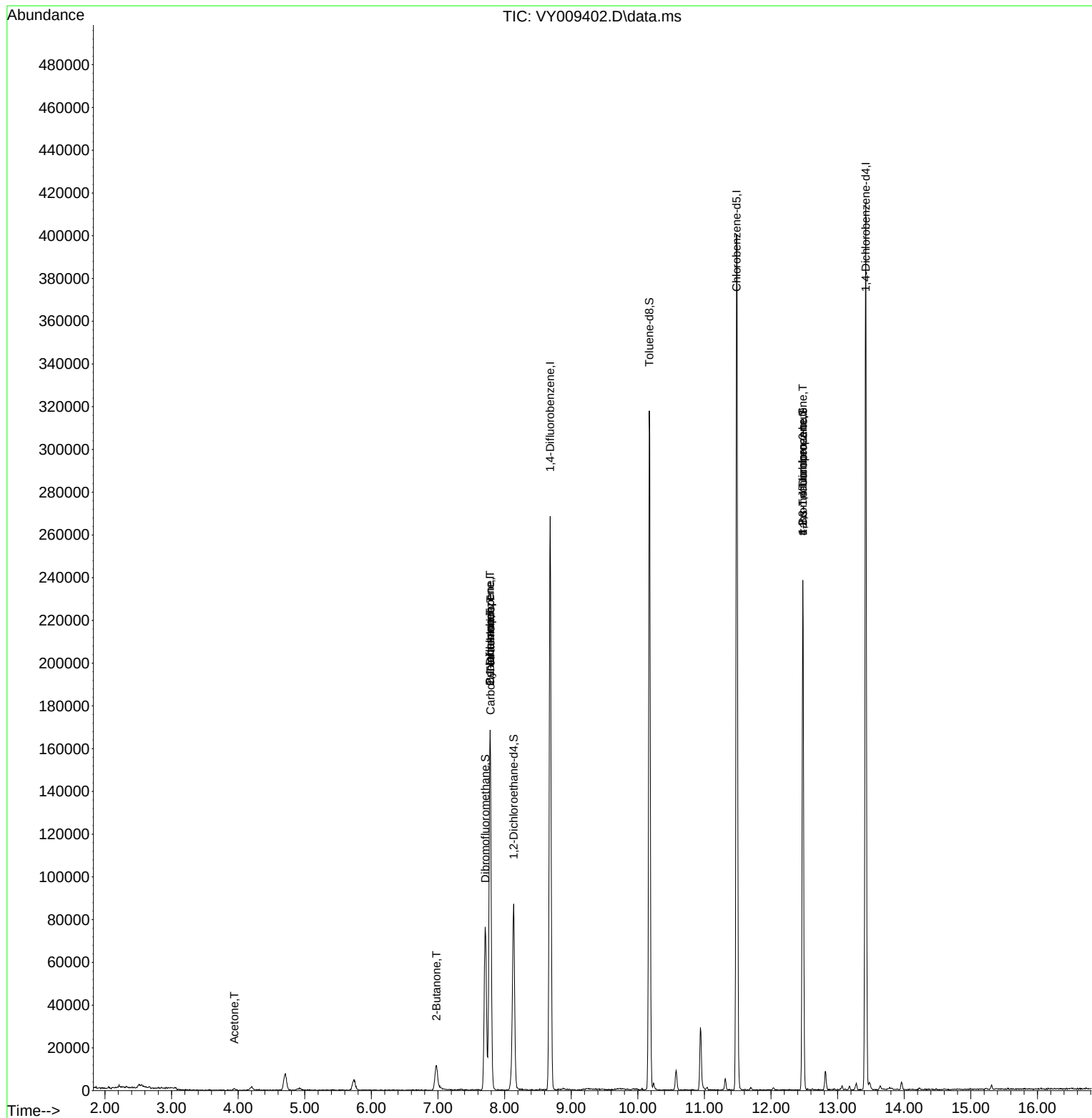
Target Compounds					Qvalue
11) Tert butyl alcohol	4.930	59	495	Below Cal	# 77
16) Acetone	3.942	43	1415	4.109 ug/l	# 89
18) Methyl Acetate	4.479	43	84	Below Cal	# 56
20) Methylene Chloride	4.710	84	5132	Below Cal	# 87
25) 2-Butanone	6.978	43	841	1.541 ug/l	# 69
31) Cyclohexane	7.783	56	2939	1.246 ug/l	# 21
36) 1,1-Dichloropropene	7.783	75	10183	4.728 ug/l	# 51
38) Carbon Tetrachloride	7.789	117	12761	5.668 ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	33750	29.423 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	33750	65.511 ug/l	# 7

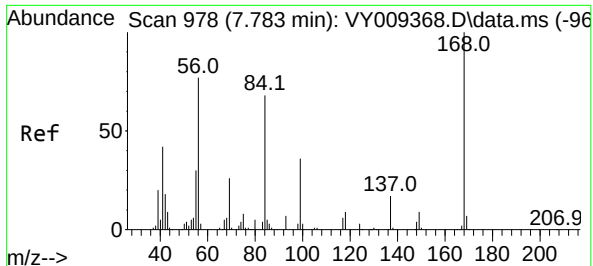
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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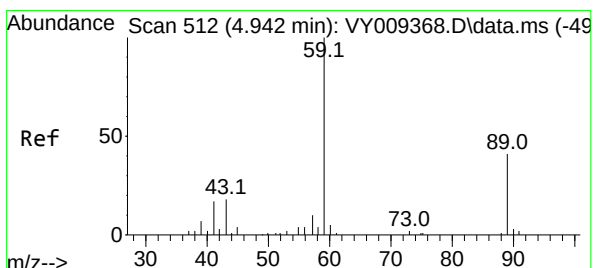
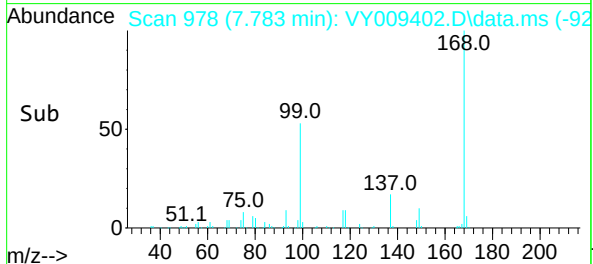
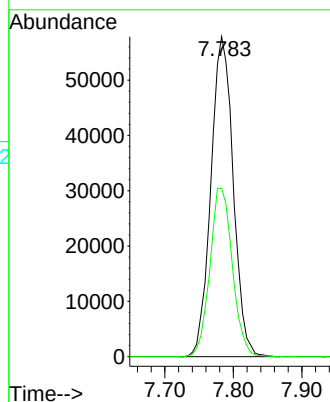
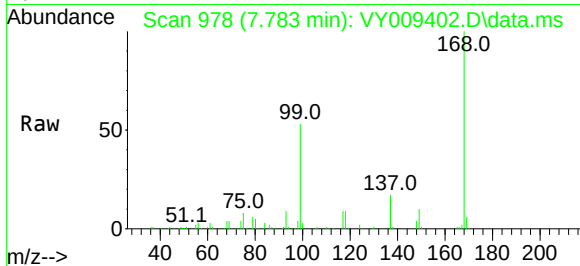




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009402.D
Acq: 30 Jun 2022 18:43

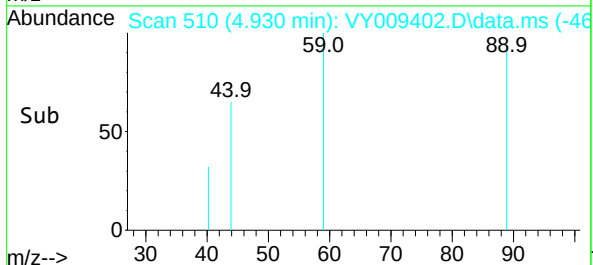
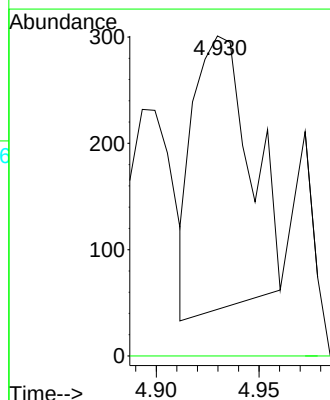
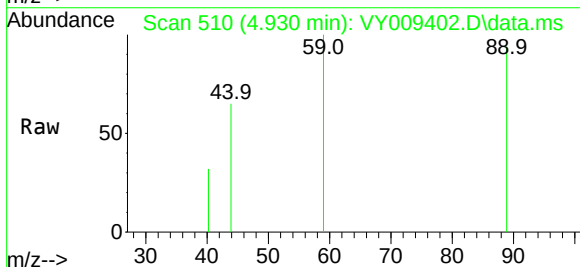
Instrument :
MSVOA_Y
ClientSampleId :

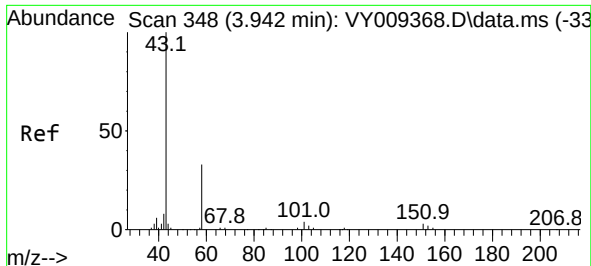
Tgt Ion:168 Resp: 130905
Ion Ratio Lower Upper
168 100
99 52.6 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY009402.D
Acq: 30 Jun 2022 18:43

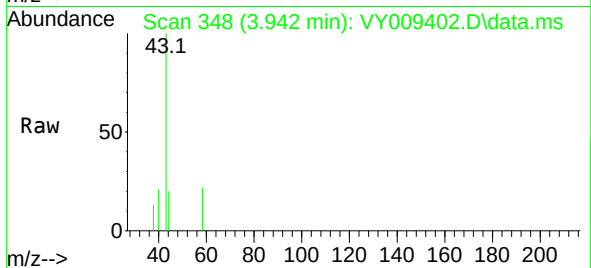
Tgt Ion: 59 Resp: 495
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



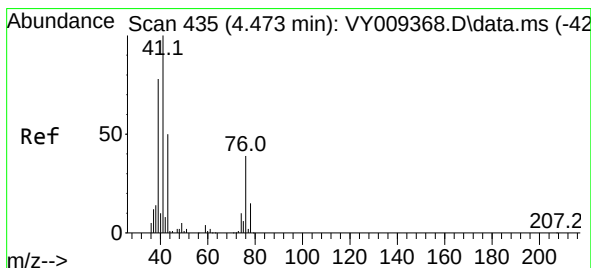
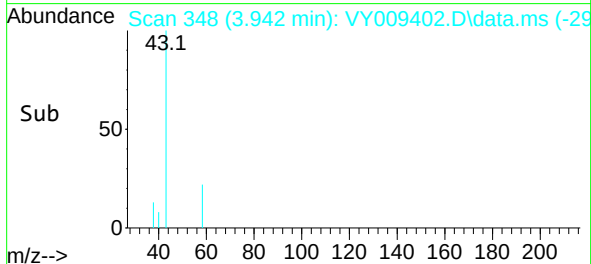
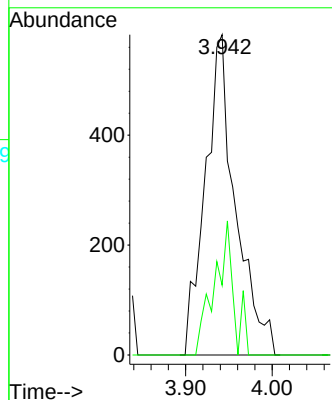


#16
Acetone
Concen: 4.109 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY009402.D
Acq: 30 Jun 2022 18:43

Instrument :
MSVOA_Y
ClientSampleId :

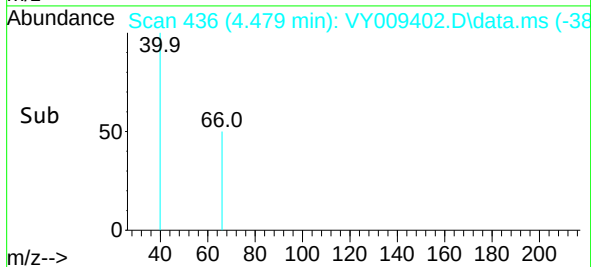
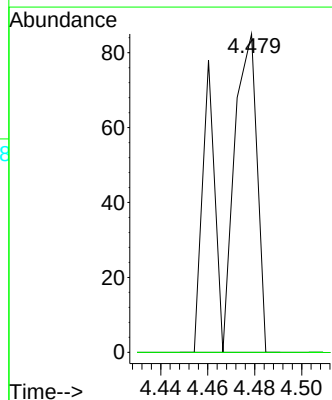
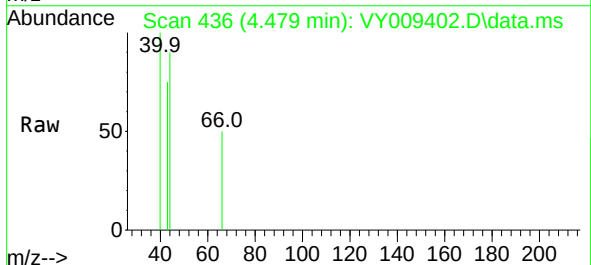


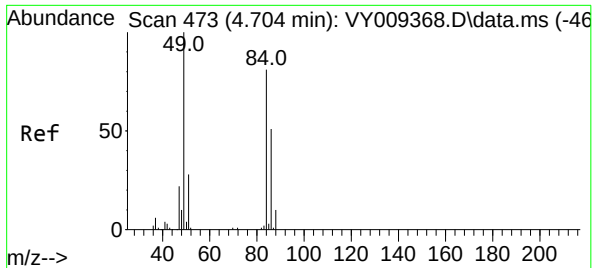
Tgt Ion: 43 Resp: 1415
Ion Ratio Lower Upper
43 100
58 21.8 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY009402.D
Acq: 30 Jun 2022 18:43

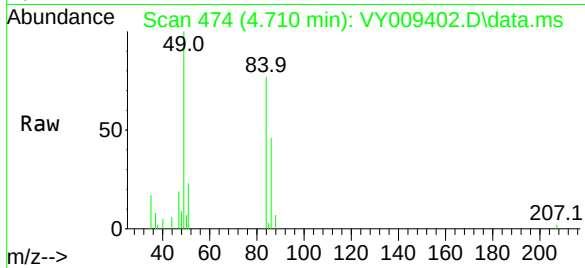
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



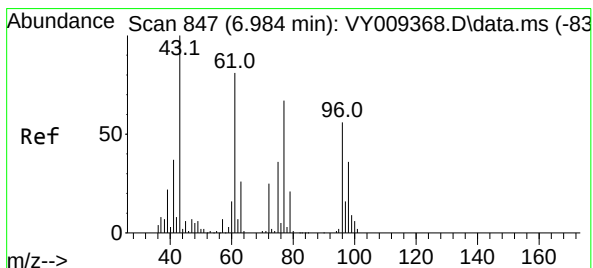
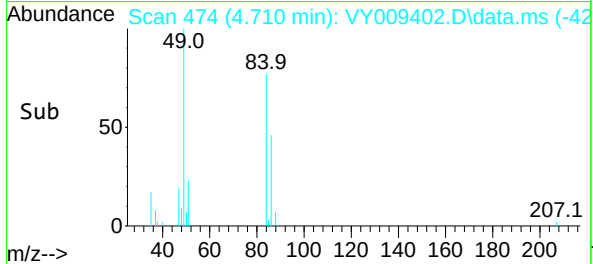
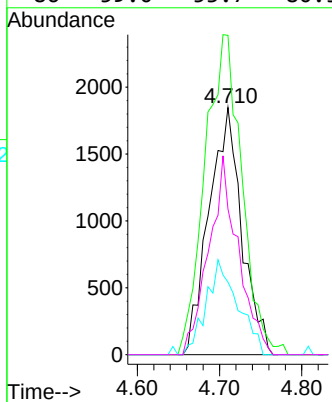


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009402.D
Acq: 30 Jun 2022 18:43

Instrument :
MSVOA_Y
ClientSampleId :

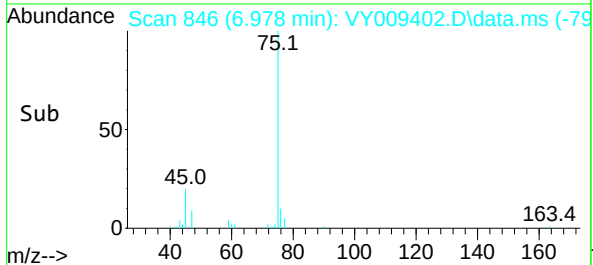
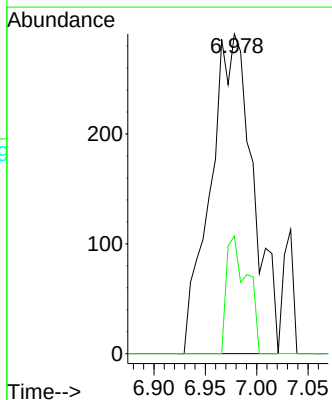
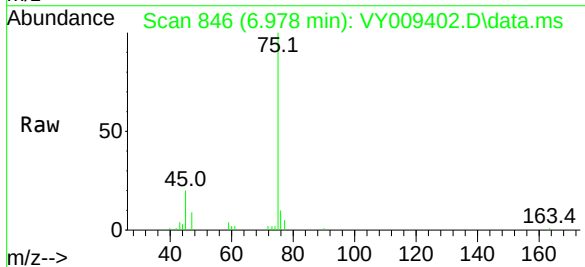


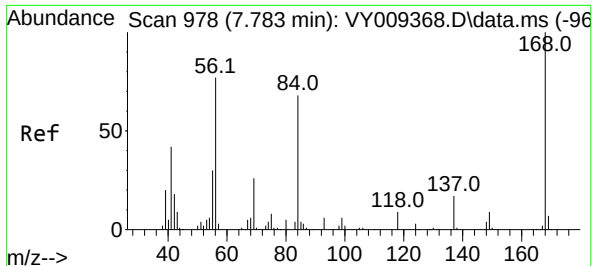
Tgt Ion: 84 Resp: 5132
Ion Ratio Lower Upper
84 100
49 129.2 114.4 171.6
51 29.4 35.3 52.9#
86 59.0 53.7 80.5



#25
2-Butanone
Concen: 1.541 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009402.D
Acq: 30 Jun 2022 18:43

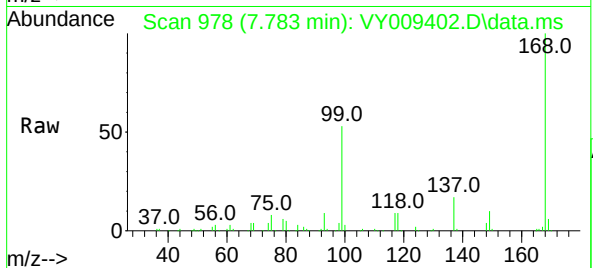
Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
72 36.8 17.7 26.5#



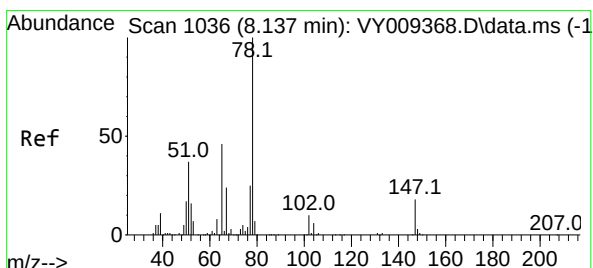
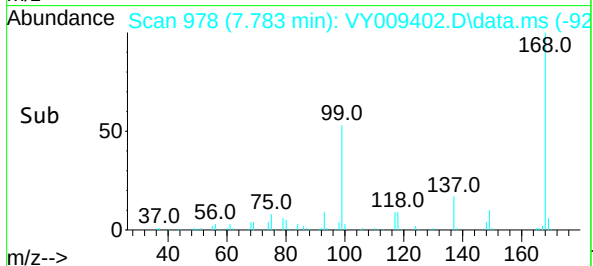
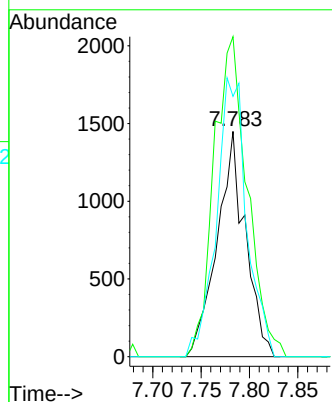


#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009402.D
Acq: 30 Jun 2022 18:43

Instrument :
MSVOA_Y
ClientSampleId :

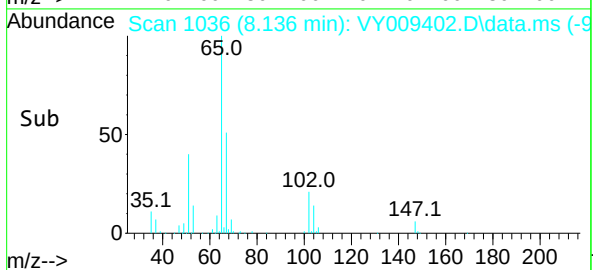
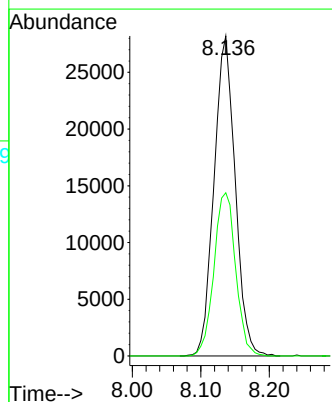
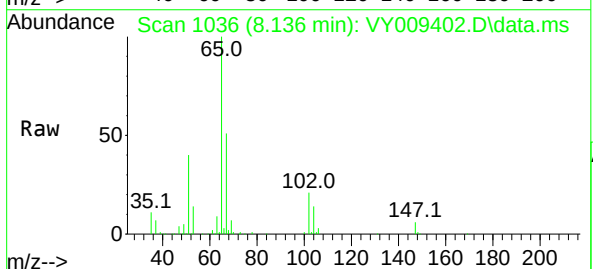


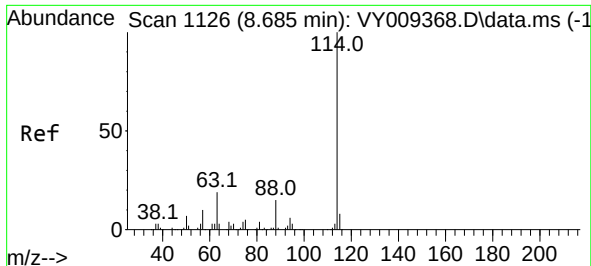
Tgt Ion: 56 Resp: 2939
Ion Ratio Lower Upper
56 100
69 142.0 26.7 40.1#
84 115.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 57.689 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY009402.D
Acq: 30 Jun 2022 18:43

Tgt Ion: 65 Resp: 60487
Ion Ratio Lower Upper
65 100
67 52.3 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: VY009402.D

Acq: 30 Jun 2022 18:43

Instrument :

MSVOA_Y

ClientSampleId :

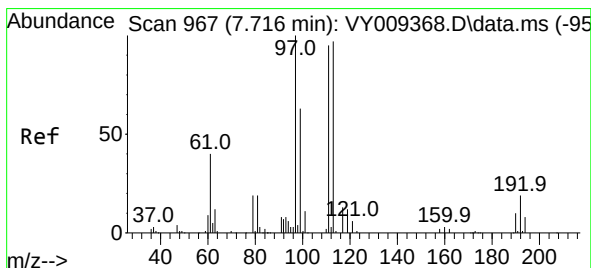
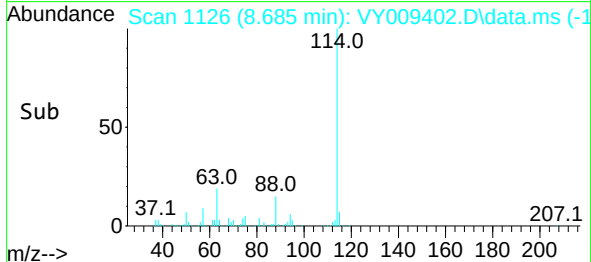
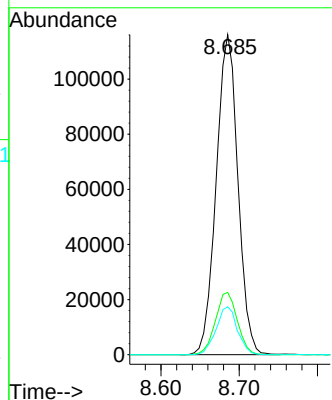
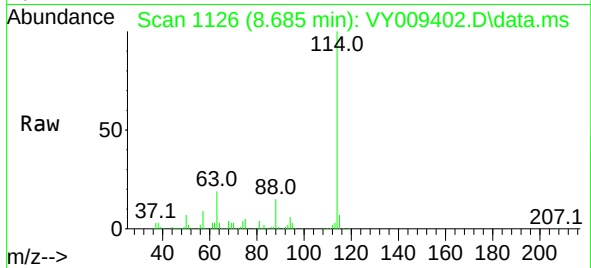
Tgt Ion:114 Resp: 223830

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 42.308 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009402.D

Acq: 30 Jun 2022 18:43

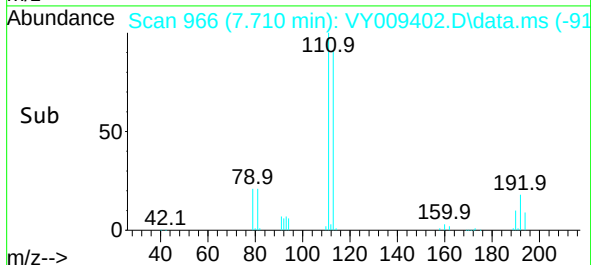
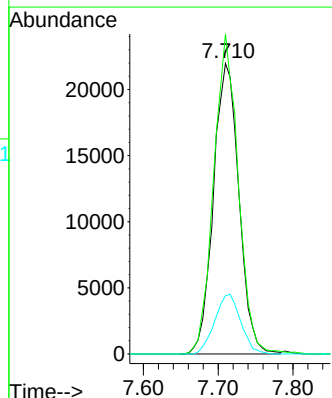
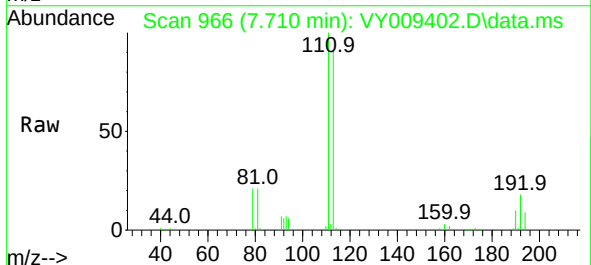
Tgt Ion:113 Resp: 52120

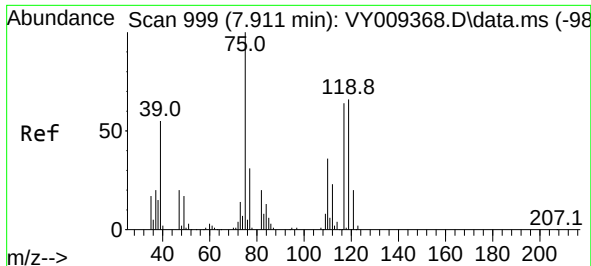
Ion Ratio Lower Upper

113 100

111 106.2 82.6 124.0

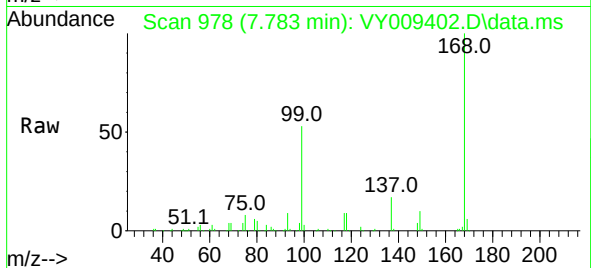
192 20.9 17.6 26.4



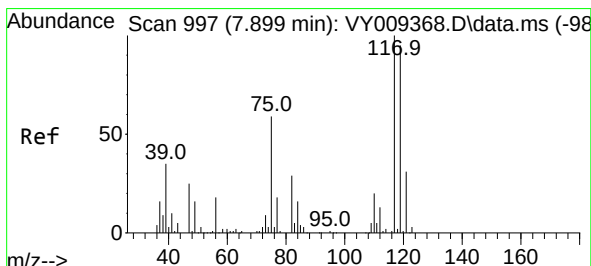
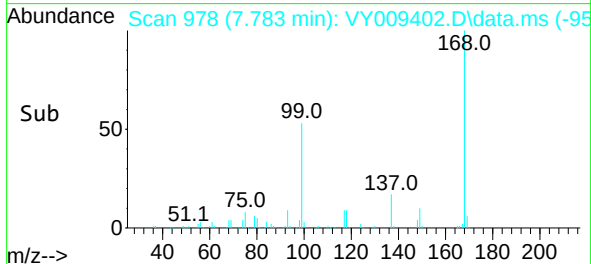
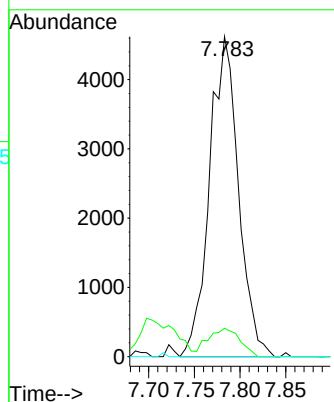


#36
1,1-Dichloropropene
Concen: 4.728 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009402.D
Acq: 30 Jun 2022 18:43

Instrument :
MSVOA_Y
ClientSampleId :

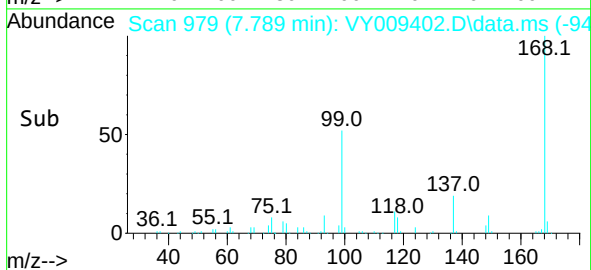
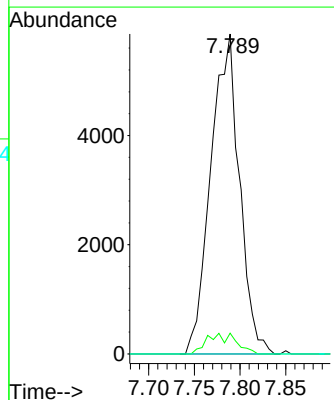
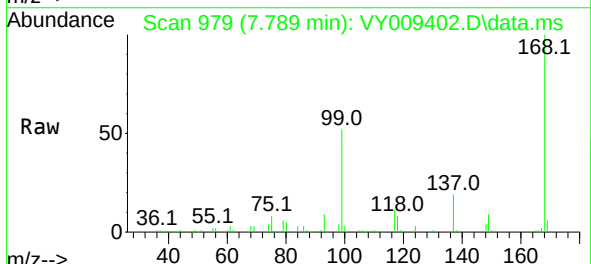


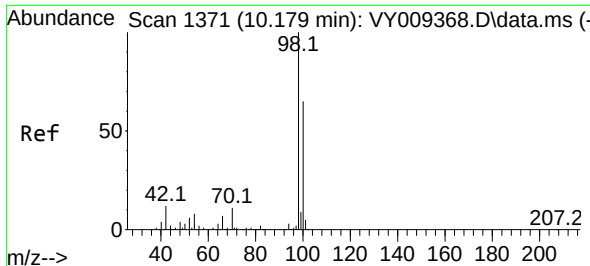
Tgt Ion: 75 Resp: 10183
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.668 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY009402.D
Acq: 30 Jun 2022 18:43

Tgt Ion: 117 Resp: 12761
Ion Ratio Lower Upper
117 100
119 6.5 77.9 116.9#
121 0.0 24.8 37.2#

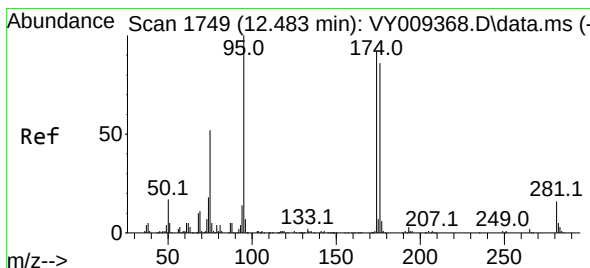
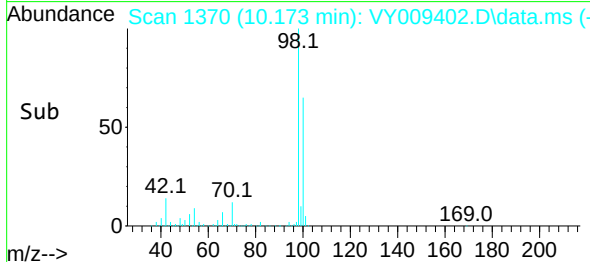
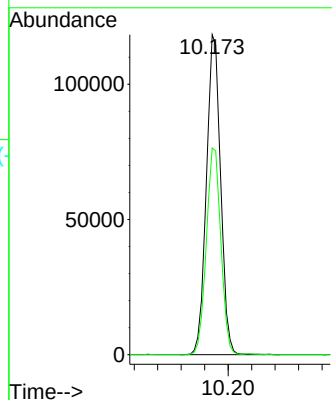
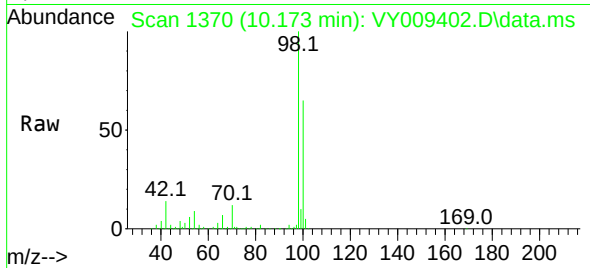




#50
Toluene-d8
Concen: 52.756 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009402.D
Acq: 30 Jun 2022 18:43

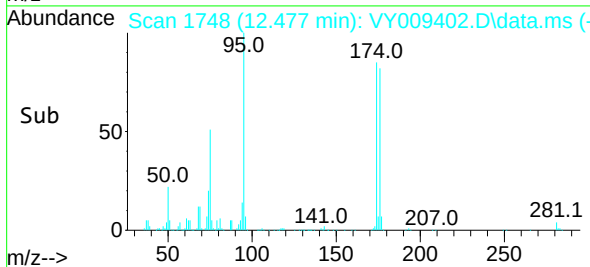
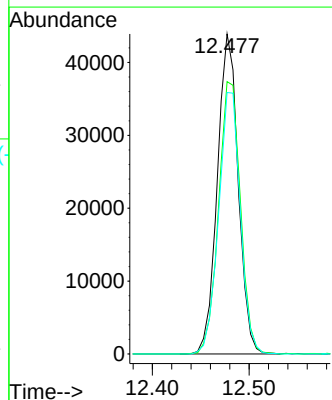
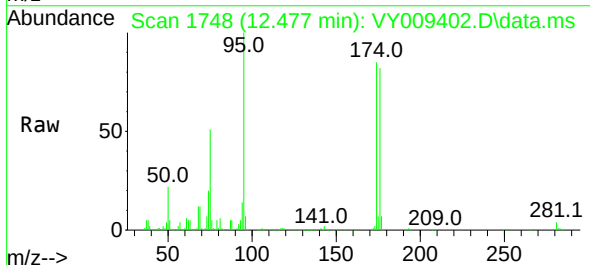
Instrument :
MSVOA_Y
ClientSampleId :

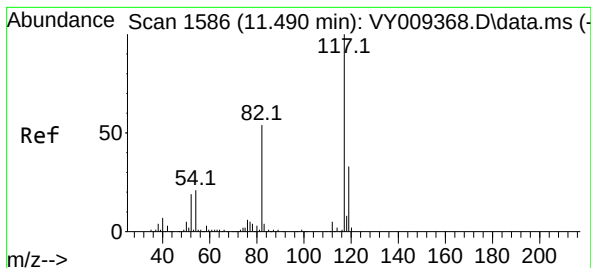
Tgt Ion: 98 Resp: 199262
Ion Ratio Lower Upper
98 100
100 65.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 36.650 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009402.D
Acq: 30 Jun 2022 18:43

Tgt Ion: 95 Resp: 65653
Ion Ratio Lower Upper
95 100
174 89.1 0.0 177.0
176 84.9 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY009402.D

Acq: 30 Jun 2022 18:43

Instrument :

MSVOA_Y

ClientSampleId :

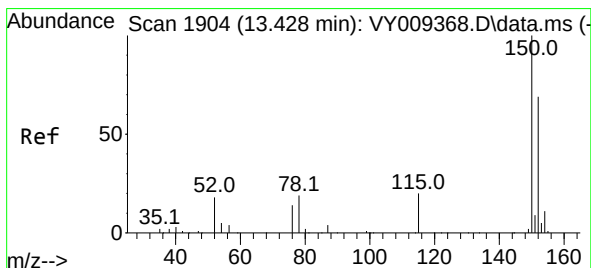
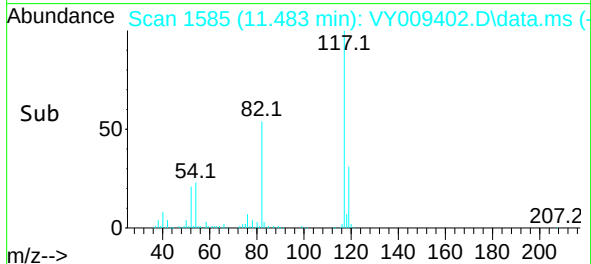
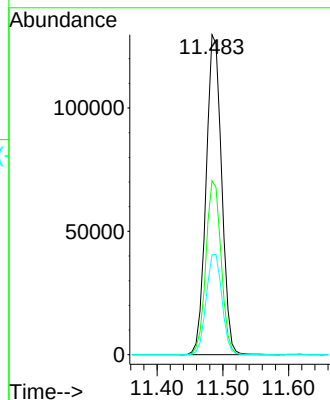
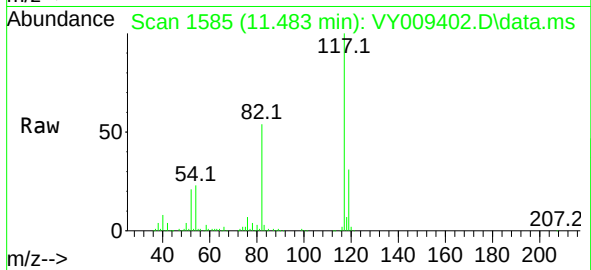
Tgt Ion:117 Resp: 213097

Ion Ratio Lower Upper

117 100

82 54.3 43.0 64.4

119 31.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009402.D

Acq: 30 Jun 2022 18:43

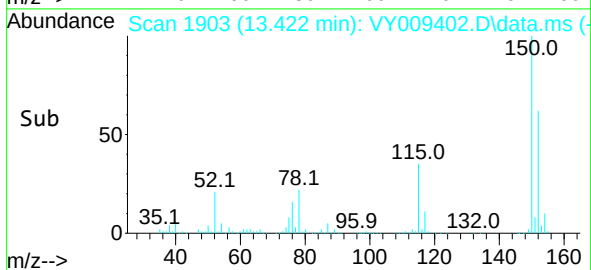
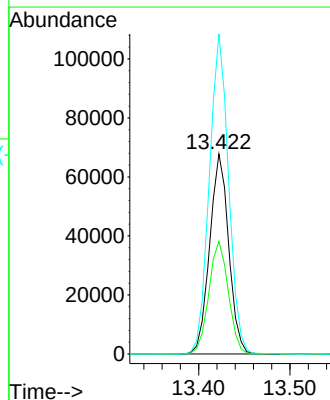
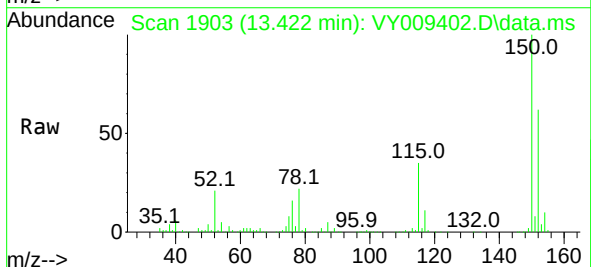
Tgt Ion:152 Resp: 97947

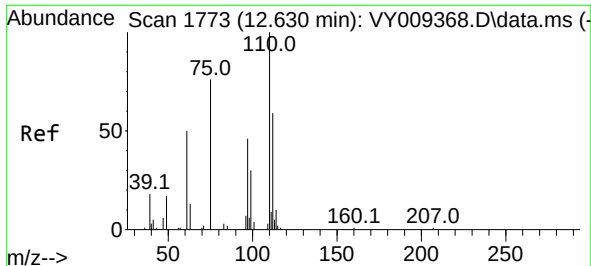
Ion Ratio Lower Upper

152 100

115 57.5 28.2 84.7

150 161.4 0.0 347.6

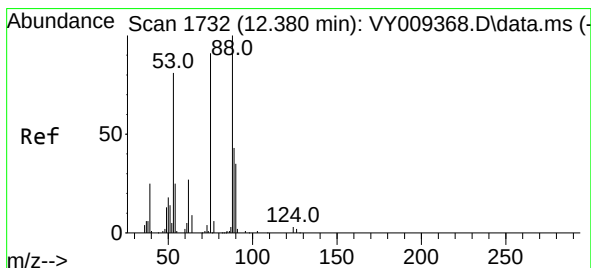
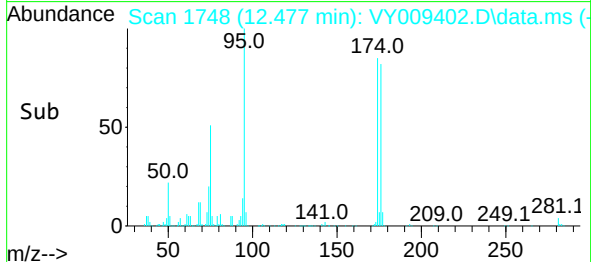
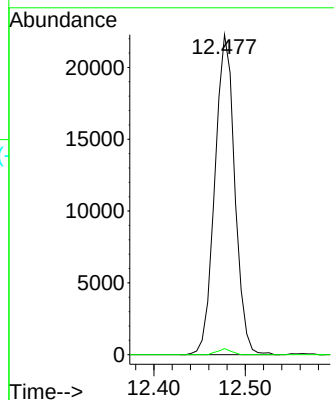
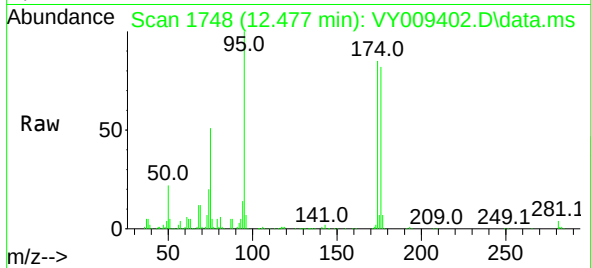




#76
1,2,3-Trichloropropane
Concen: 29.423 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY009402.D
Acq: 30 Jun 2022 18:43

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 33750
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.511 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009402.D
Acq: 30 Jun 2022 18:43

Tgt Ion: 75 Resp: 33750
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.0 37.0 55.4#

