

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053123\
 Data File : VY013942.D
 Acq On : 31 May 2023 17:46
 Operator : KP/MD
 Sample : 02955-08RE
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB22

Quant Time: May 31 17:59:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

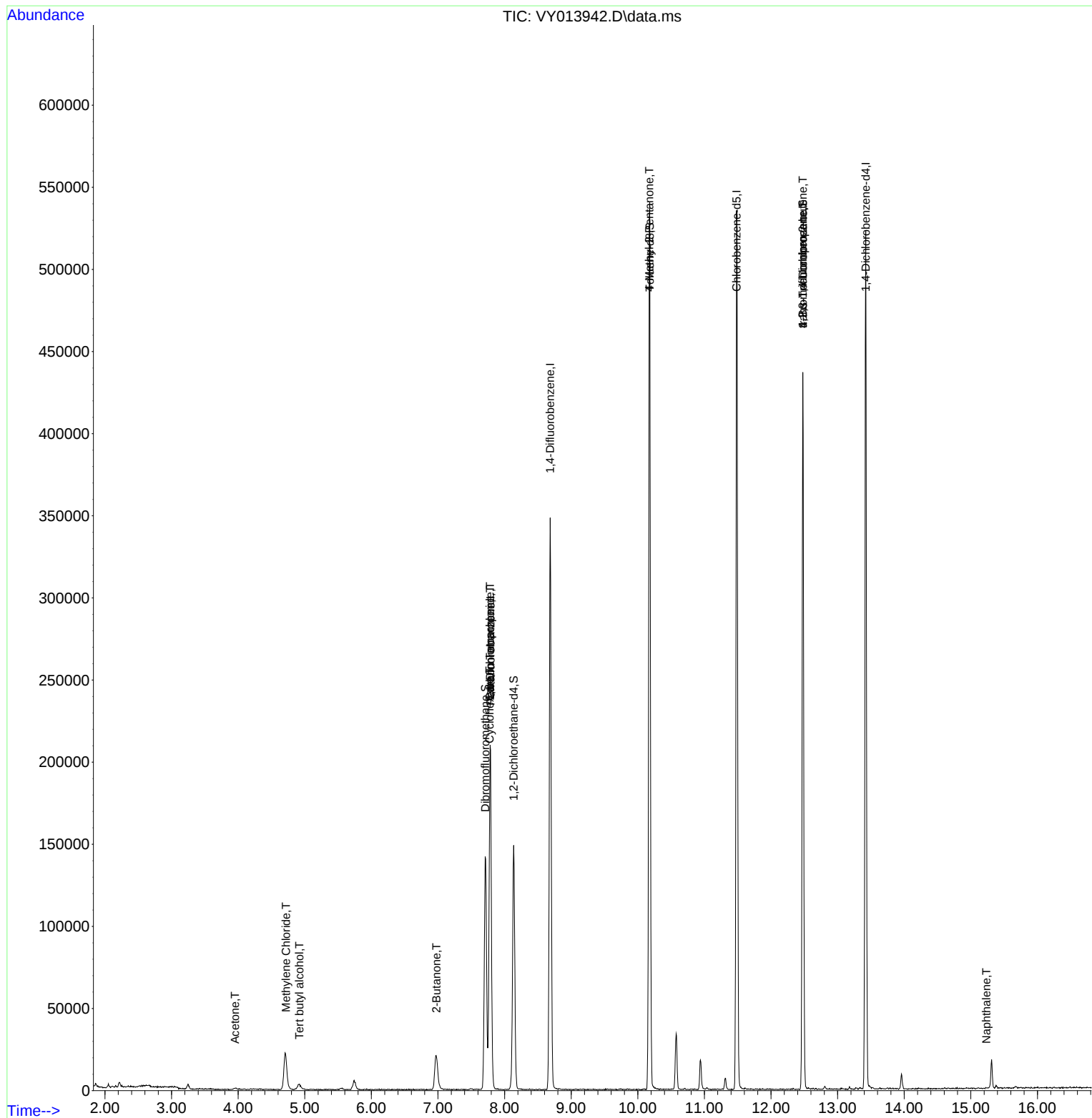
Internal Standards						
1) Pentafluorobenzene	7.789	168	163889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	284769	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.483	117	285746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	120360	63.480	ug/l	-0.01
Spiked Amount	50.000	Range 50 - 163	Recovery	= 126.960%		
35) Dibromofluoromethane	7.710	113	97921	53.245	ug/l	-0.01
Spiked Amount	50.000	Range 54 - 147	Recovery	= 106.500%		
50) Toluene-d8	10.179	98	354859	50.769	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 101.540%		
62) 4-Bromofluorobenzene	12.477	95	115952	49.907	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 99.820%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.917	59	2011	13.845	ug/l #	76
16) Acetone	3.954	43	1882	3.344	ug/l #	83
20) Methylene Chloride	4.716	84	16551	6.063	ug/l #	82
25) 2-Butanone	6.978	43	863	1.257	ug/l #	85
31) Cyclohexane	7.777	56	3798	1.304	ug/l #	28
36) 1,1-Dichloropropene	7.783	75	13108	4.680	ug/l #	51
38) Carbon Tetrachloride	7.783	117	16040	5.035	ug/l #	17
51) 4-Methyl-2-Pentanone	10.173	43	1779	1.072	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	63180	41.213	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63180	89.461	ug/l #	10
95) Naphthalene	15.233	128	522	4.634	ug/l #	68

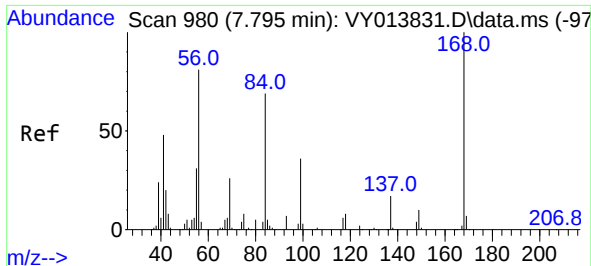
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 24 05:25:47 2023
Response via : Initial Calibration

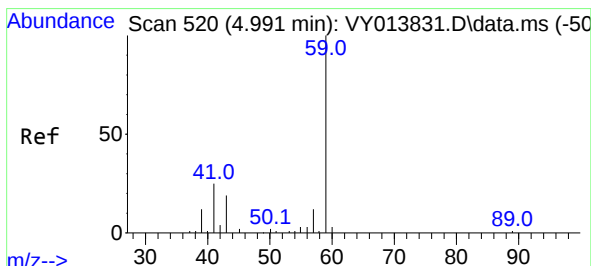
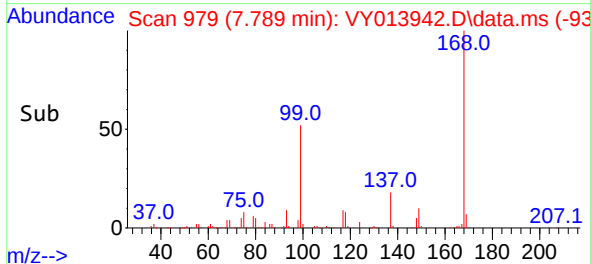
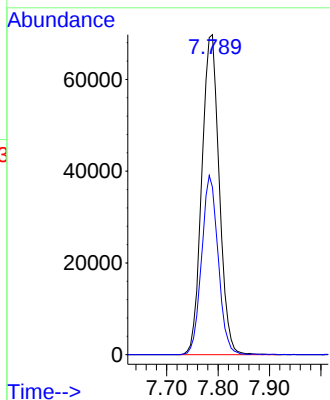
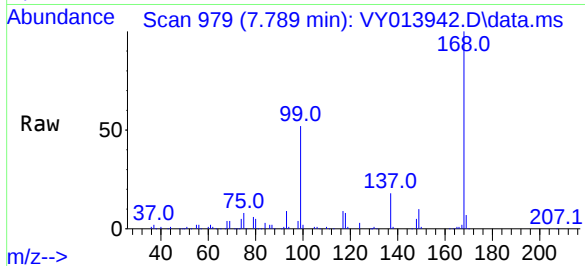




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

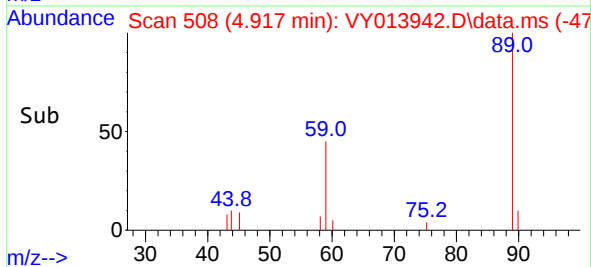
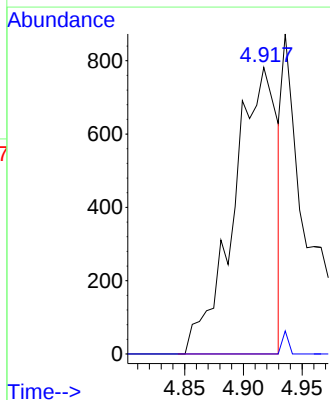
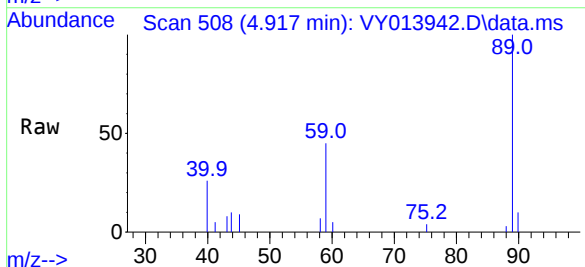
Instrument :
MSVOA_Y
ClientSampleId :
SB22

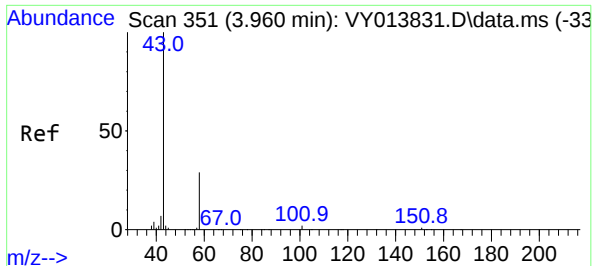
Tgt Ion:168 Resp: 163889
Ion Ratio Lower Upper
168 100
99 52.4 43.4 65.2



#11
Tert butyl alcohol
Concen: 13.845 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.073 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

Tgt Ion: 59 Resp: 2011
Ion Ratio Lower Upper
59 100
57 1.1 8.1 12.1#

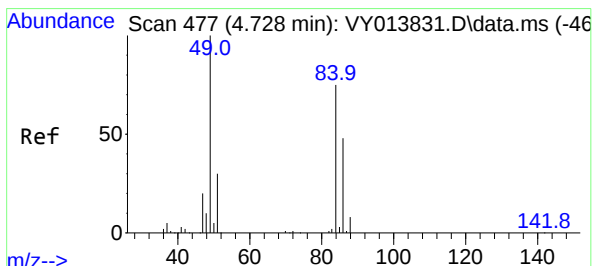
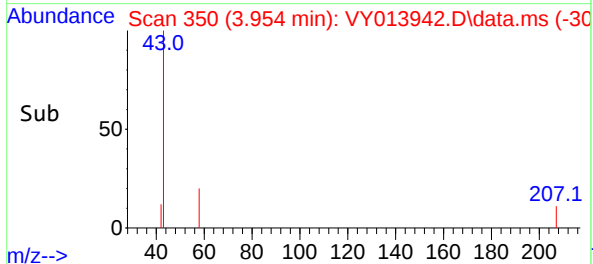
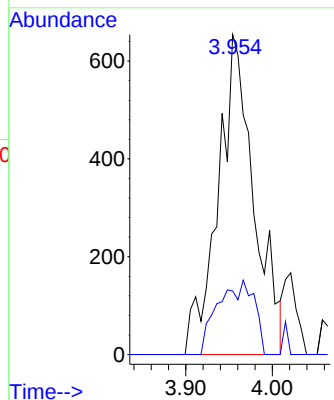
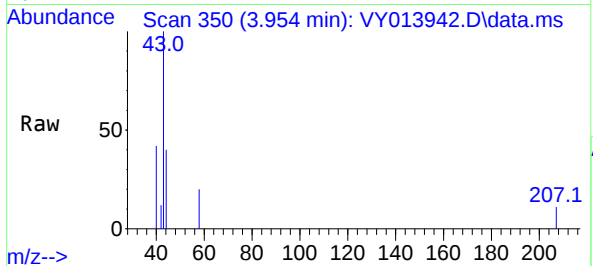




#16
Acetone
Concen: 3.344 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

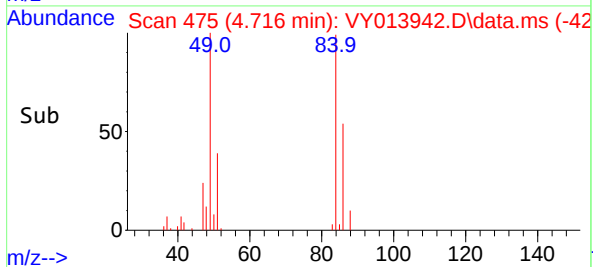
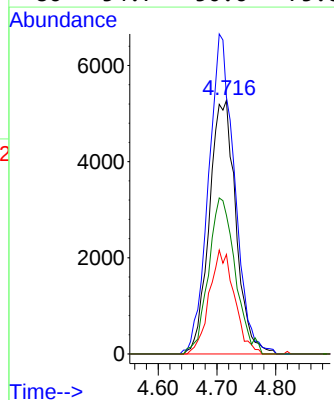
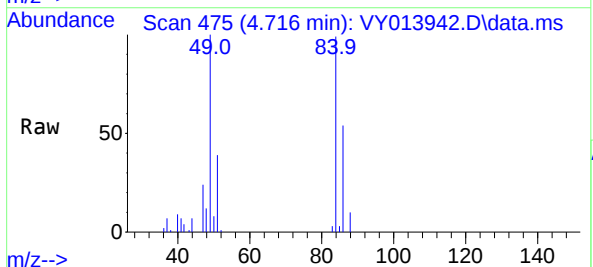
Instrument :
MSVOA_Y
ClientSampleId :
SB22

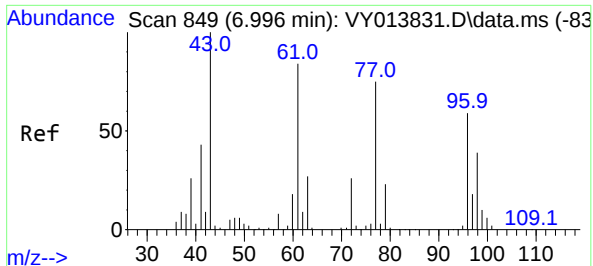
Tgt Ion: 43 Resp: 1882
Ion Ratio Lower Upper
43 100
58 19.9 23.3 34.9#



#20
Methylene Chloride
Concen: 6.063 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

Tgt Ion: 84 Resp: 16551
Ion Ratio Lower Upper
84 100
49 101.3 106.2 159.2#
51 39.2 31.4 47.0
86 54.7 50.6 75.8





#25

2-Butanone

Concen: 1.257 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY013942.D

Acq: 31 May 2023 17:46

Instrument :

MSVOA_Y

ClientSampleId :

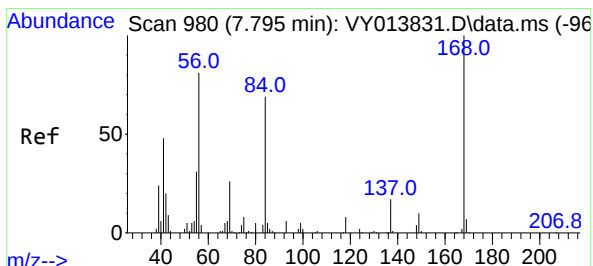
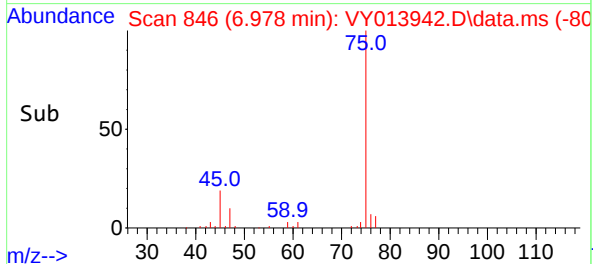
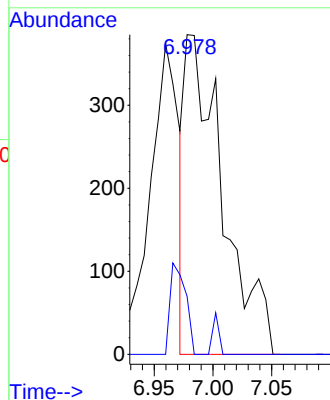
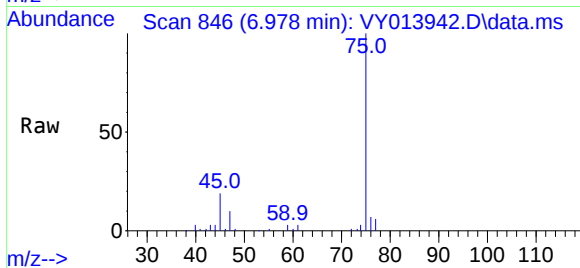
SB22

Tgt Ion: 43 Resp: 863

Ion Ratio Lower Upper

43 100

72 18.2 20.5 30.7#



#31

Cyclohexane

Concen: 1.304 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.018 min

Lab File: VY013942.D

Acq: 31 May 2023 17:46

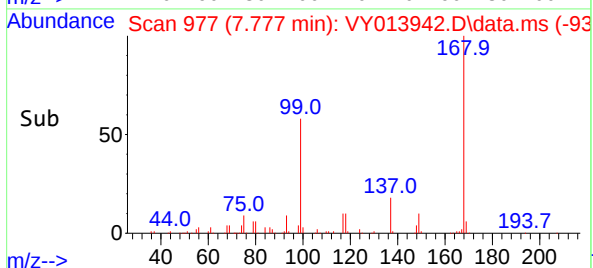
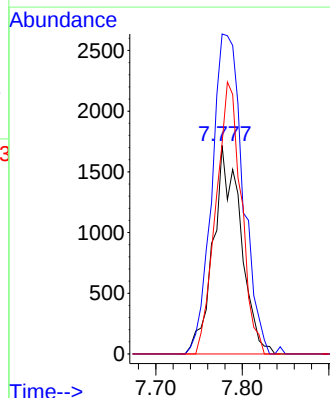
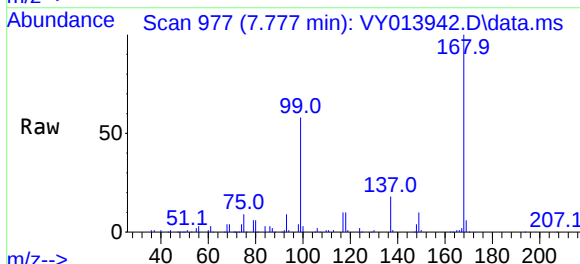
Tgt Ion: 56 Resp: 3798

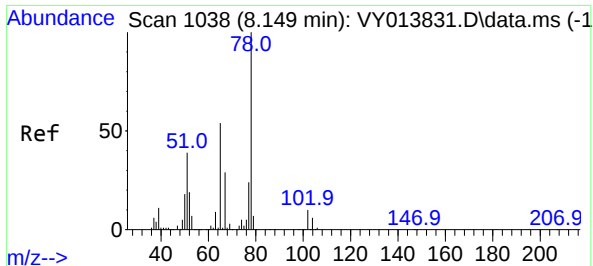
Ion Ratio Lower Upper

56 100

69 153.4 25.8 38.8#

84 101.0 68.2 102.2





#33

1,2-Dichloroethane-d4

Concen: 63.480 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.012 min

Lab File: VY013942.D

Acq: 31 May 2023 17:46

Instrument :

MSVOA_Y

ClientSampleId :

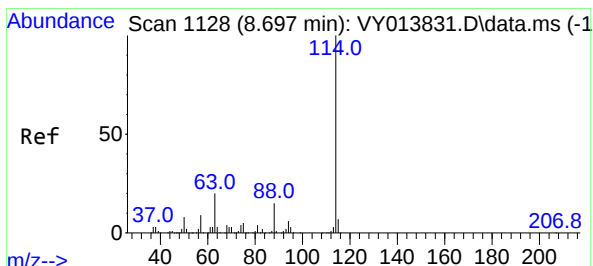
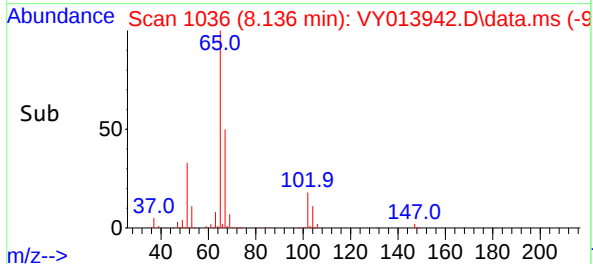
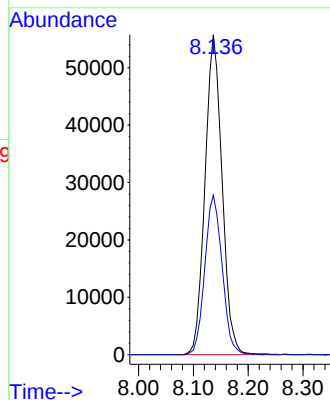
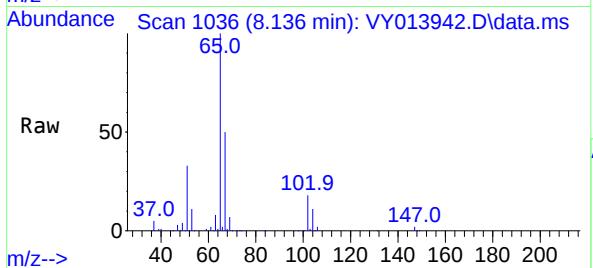
SB22

Tgt Ion: 65 Resp: 120360

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.012 min

Lab File: VY013942.D

Acq: 31 May 2023 17:46

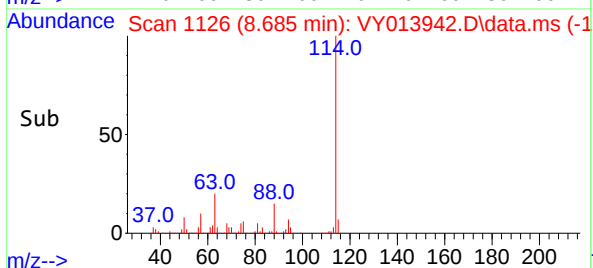
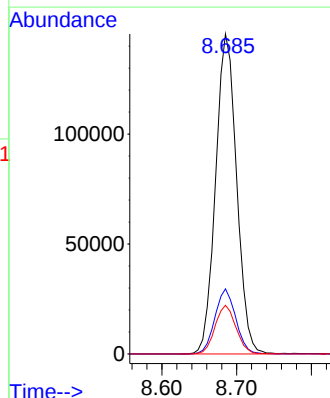
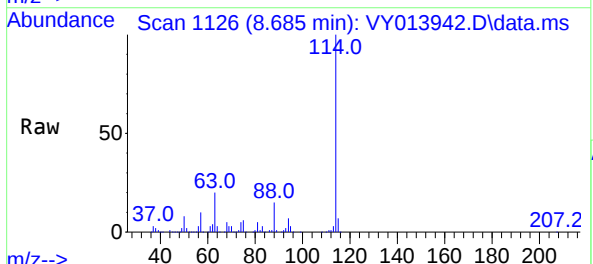
Tgt Ion: 114 Resp: 284769

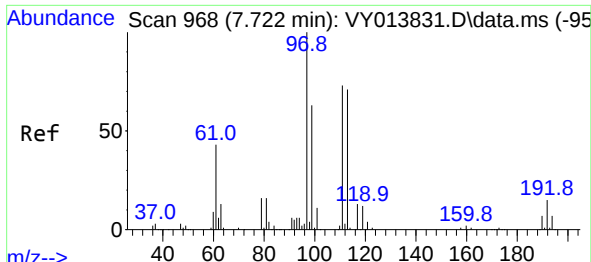
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.2 0.0 30.0

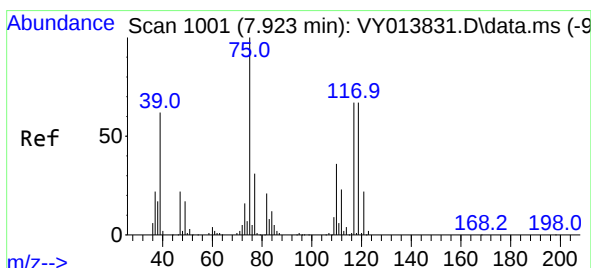
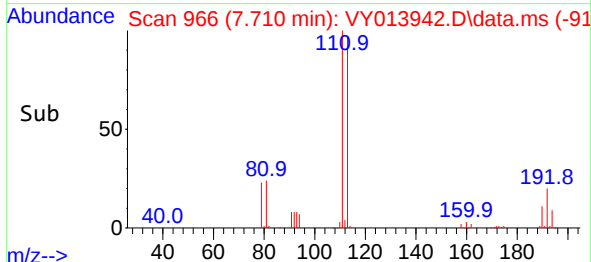
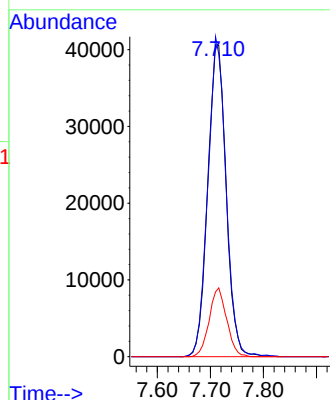
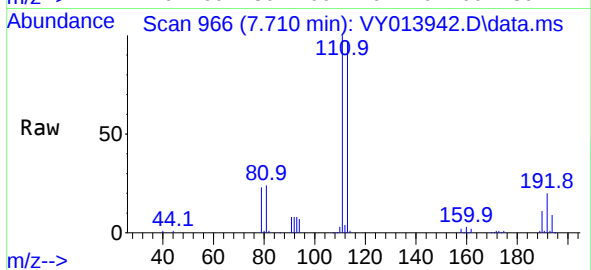




#35
Dibromofluoromethane
Concen: 53.245 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

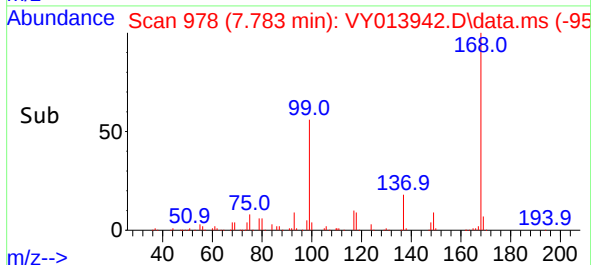
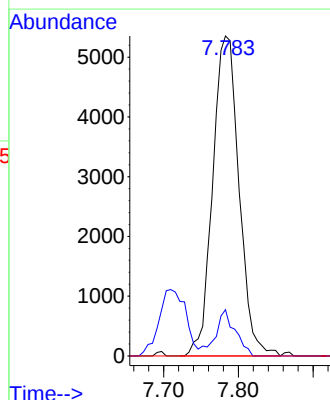
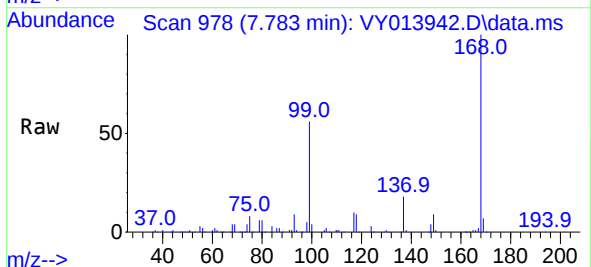
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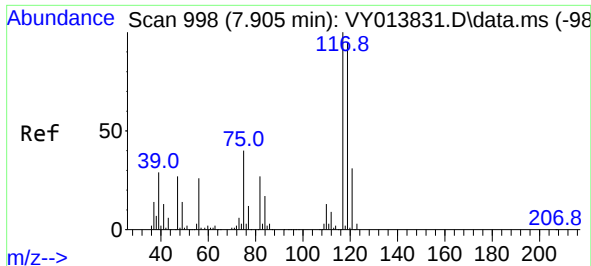
Tgt Ion:113 Resp: 97921
Ion Ratio Lower Upper
113 100
111 100.7 80.4 120.6
192 20.9 16.6 25.0



#36
1,1-Dichloropropene
Concen: 4.680 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

Tgt Ion: 75 Resp: 13108
Ion Ratio Lower Upper
75 100
110 9.9 17.5 52.6#
77 0.0 24.4 36.6#

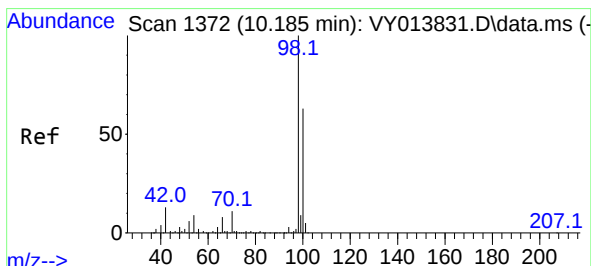
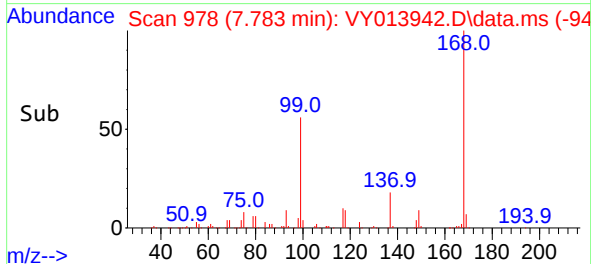
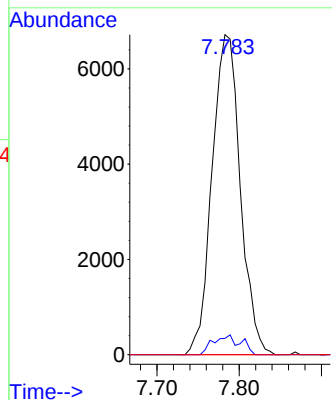
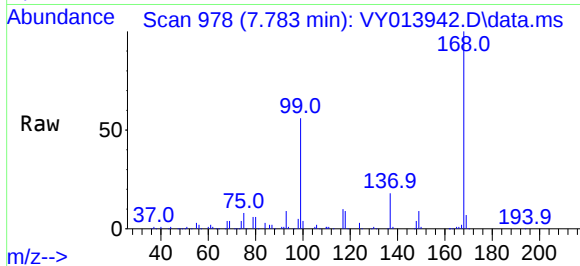




#38
Carbon Tetrachloride
Concen: 5.035 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

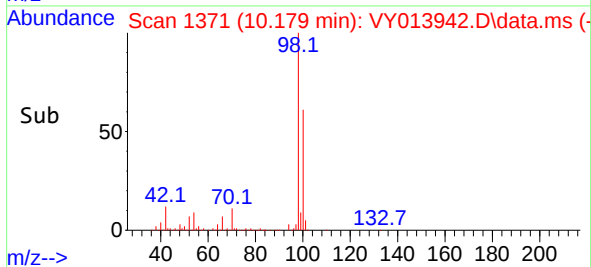
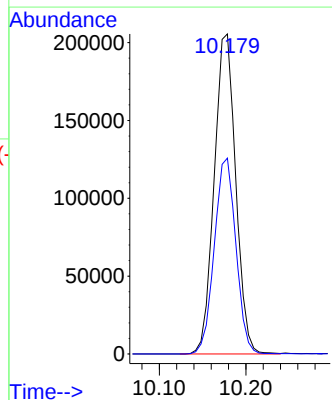
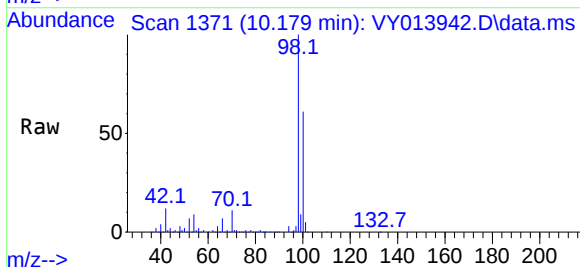
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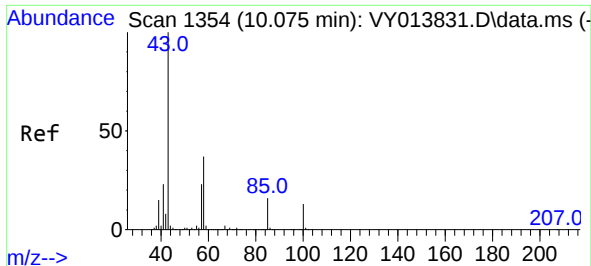
Tgt Ion:117 Resp: 16040
Ion Ratio Lower Upper
117 100
119 5.1 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.769 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

Tgt Ion: 98 Resp: 354859
Ion Ratio Lower Upper
98 100
100 61.4 50.8 76.2

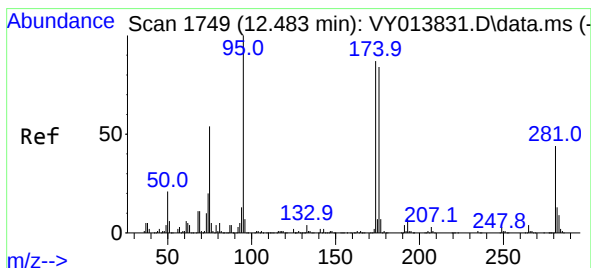
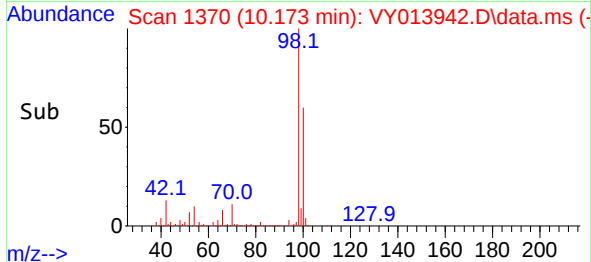
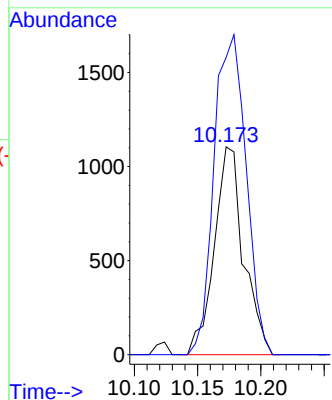
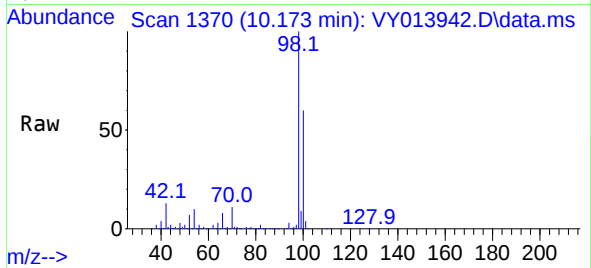




#51
4-Methyl-2-Pentanone
Concen: 1.072 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

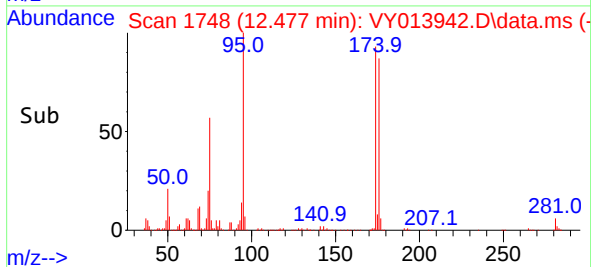
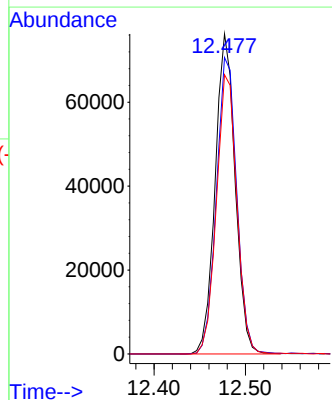
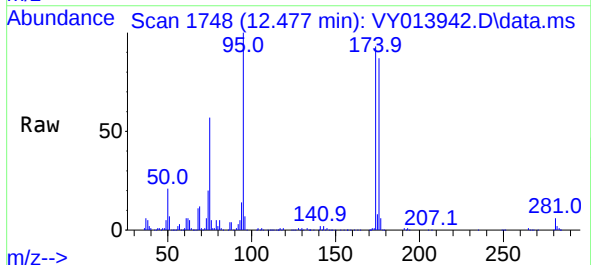
Instrument :
MSVOA_Y
ClientSampleId :
SB22

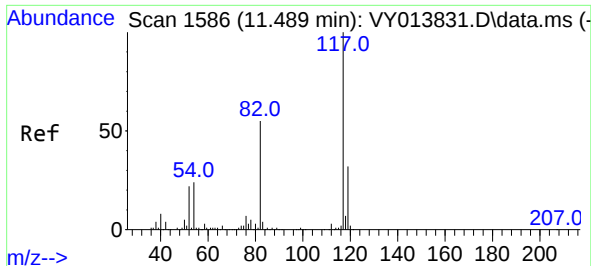
Tgt Ion: 43 Resp: 1779
Ion Ratio Lower Upper
43 100
58 168.7 29.1 43.7#



#62
4-Bromofluorobenzene
Concen: 49.907 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

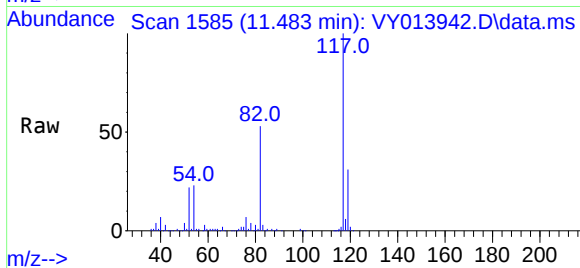
Tgt Ion: 95 Resp: 115952
Ion Ratio Lower Upper
95 100
174 94.1 0.0 176.0
176 89.4 0.0 170.2



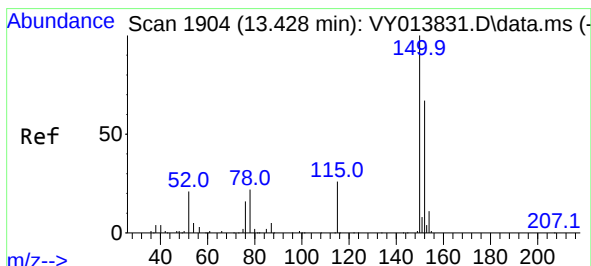
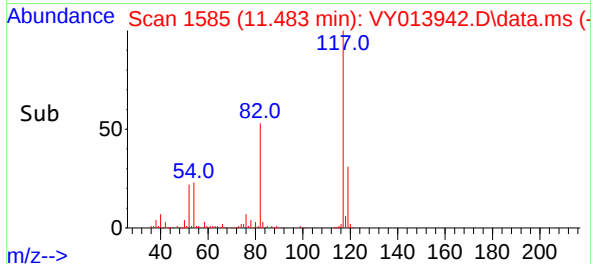
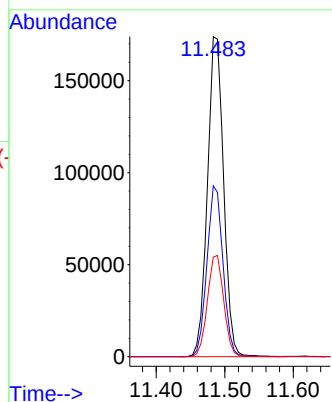


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

Instrument :
MSVOA_Y
ClientSampleId :
SB22

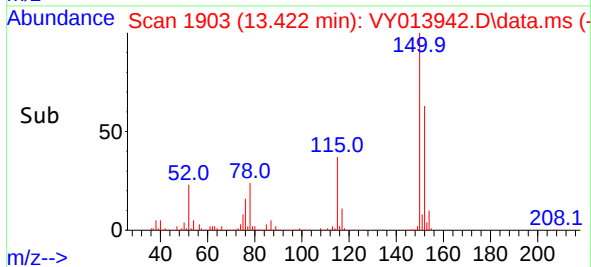
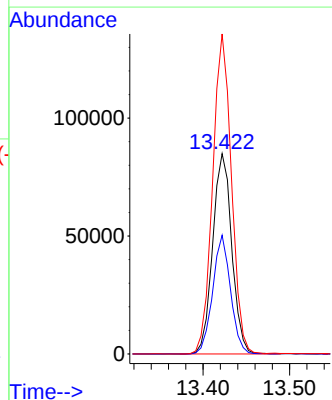
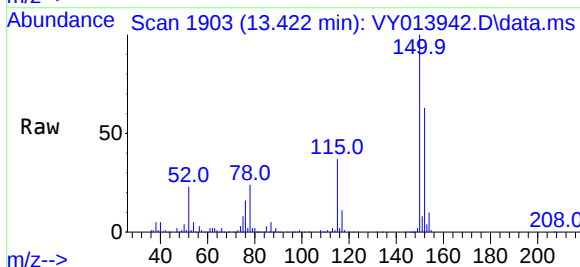


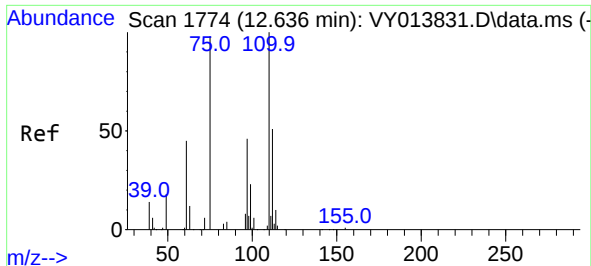
Tgt Ion:117 Resp: 285746
Ion Ratio Lower Upper
117 100
82 53.4 44.2 66.4
119 31.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

Tgt Ion:152 Resp: 130011
Ion Ratio Lower Upper
152 100
115 55.5 28.8 86.5
150 157.1 0.0 353.4

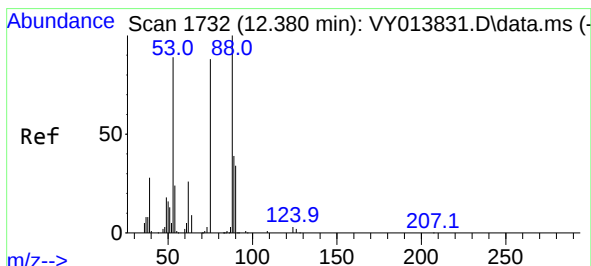
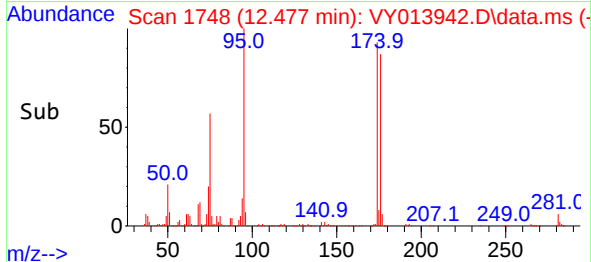
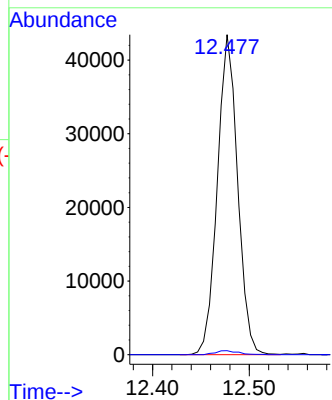
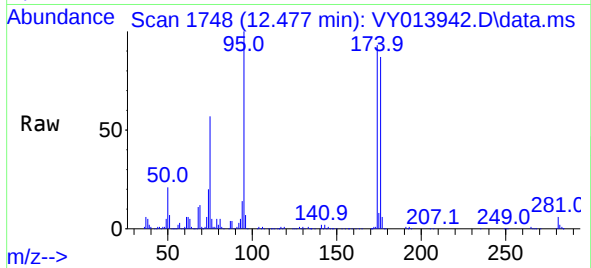




#76
1,2,3-Trichloropropane
Concen: 41.213 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

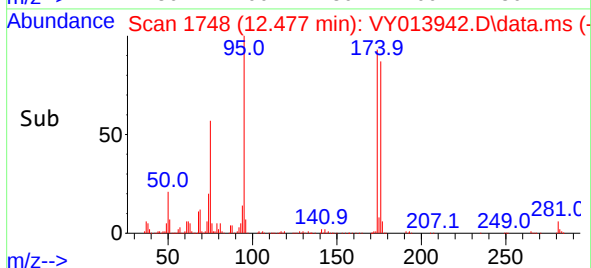
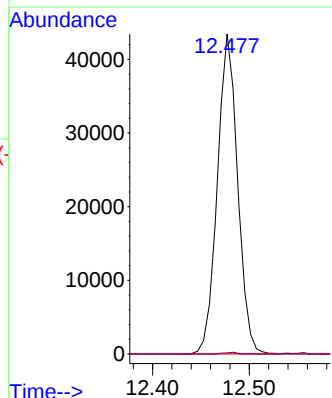
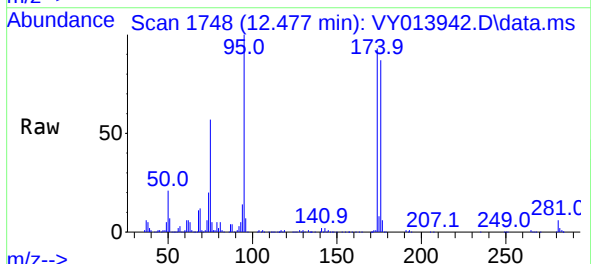
Instrument :
MSVOA_Y
ClientSampleId :
SB22

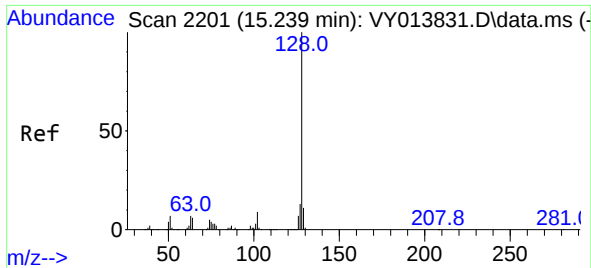
Tgt Ion: 75 Resp: 63180
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.461 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

Tgt Ion: 75 Resp: 63180
Ion Ratio Lower Upper
75 100
53 0.3 79.7 119.5#
89 0.1 36.4 54.6#





#95
Naphthalene
Concen: 4.634 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY013942.D
Acq: 31 May 2023 17:46

Instrument :
MSVOA_Y
ClientSampleId :
SB22

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	9.0	13.4#

