

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052422\
 Data File : VY009073.D
 Acq On : 24 May 2022 19:37
 Operator : KP/MD
 Sample : N2981-06
 Misc : 2.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-14(3.5-4)

Quant Time: May 25 02:56:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

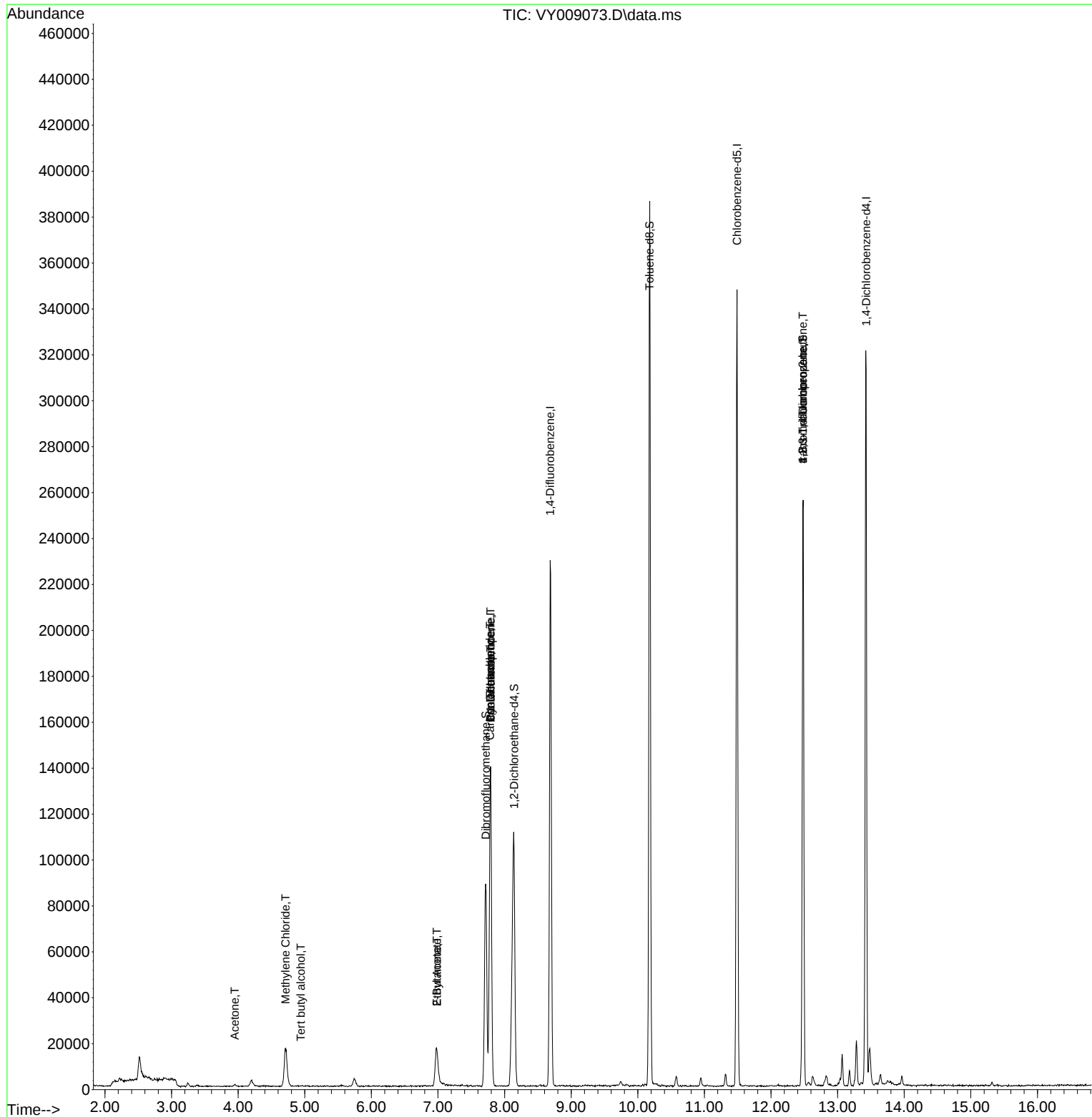
Internal Standards						
1) Pentafluorobenzene	7.789	168	106877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	191703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	177978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	66828	60.755	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.500%	
35) Dibromofluoromethane	7.716	113	60587	50.824	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.640%	
50) Toluene-d8	10.179	98	237026	53.897	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.800%	
62) 4-Bromofluorobenzene	12.477	95	67438	38.014	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	171	1.533	ug/l #	77
16) Acetone	3.948	43	1426	6.228	ug/l #	43
20) Methylene Chloride	4.710	84	11818	1.397	ug/l	87
25) 2-Butanone	6.984	43	1122	2.744	ug/l #	54
31) Cyclohexane	7.789	56	2675	1.243	ug/l #	31
36) 1,1-Dichloropropene	7.789	75	9329	4.599	ug/l #	49
37) Ethyl Acetate	6.984	43	1122	1.066	ug/l #	1
38) Carbon Tetrachloride	7.783	117	10852	5.114	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	39636	47.737	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	39636	97.981	ug/l #	8

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

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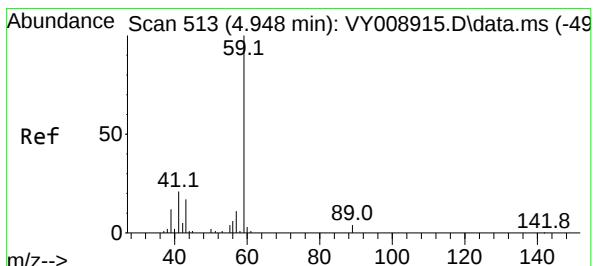
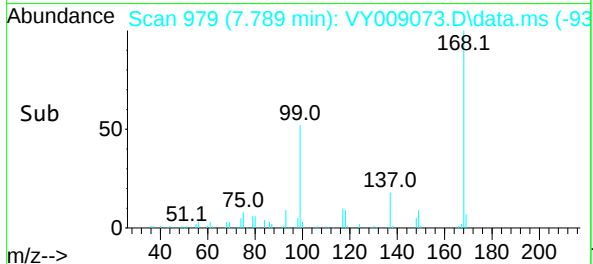
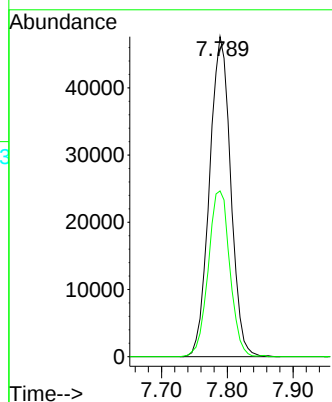
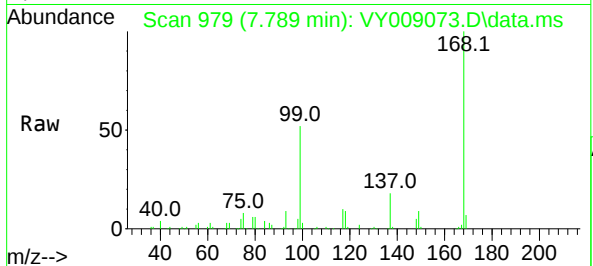




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

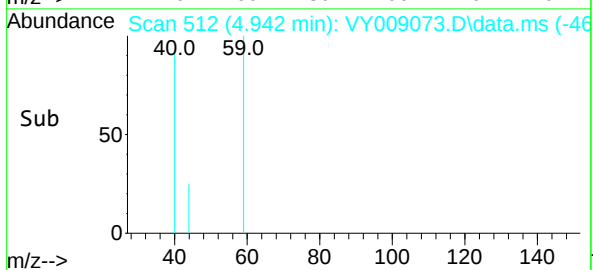
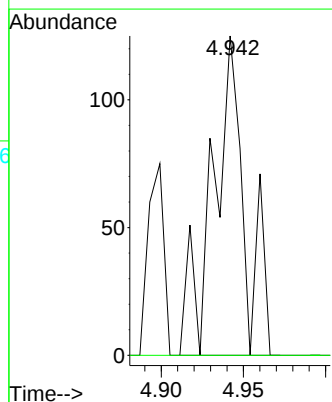
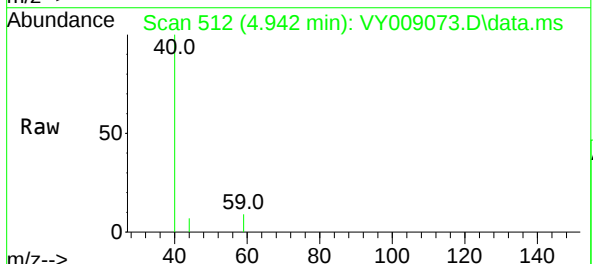
Instrument :
MSVOA_Y
ClientSampleId :
SB-14(3.5-4)

Tgt Ion:168 Resp: 106877
Ion Ratio Lower Upper
168 100
99 51.8 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.533 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

Tgt Ion: 59 Resp: 171
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

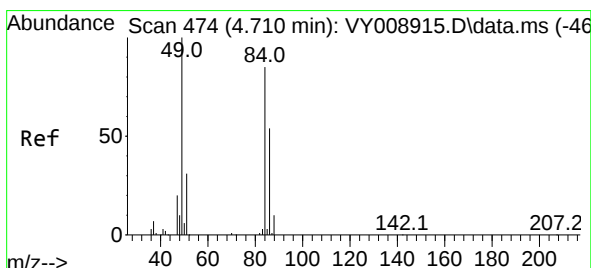
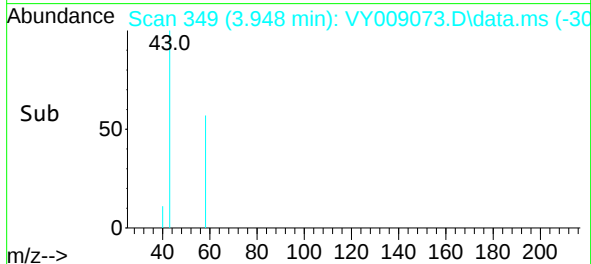
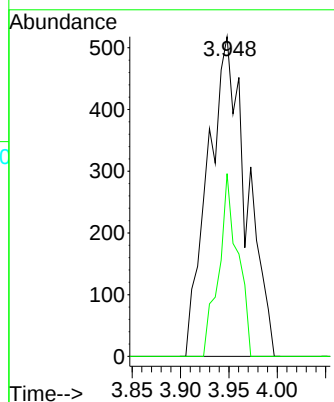
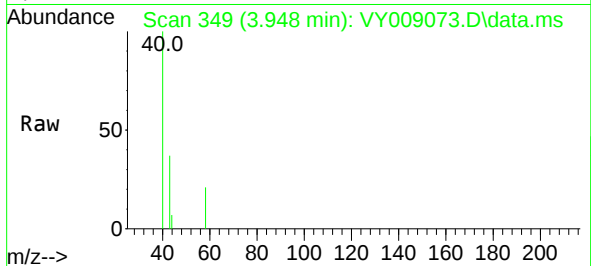




#16
Acetone
Concen: 6.228 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

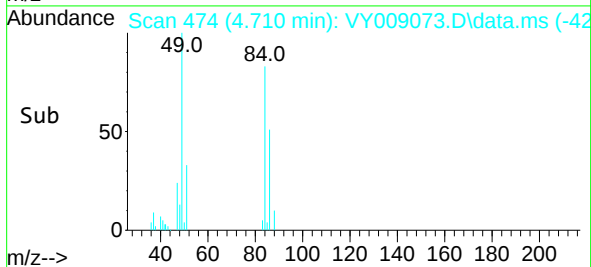
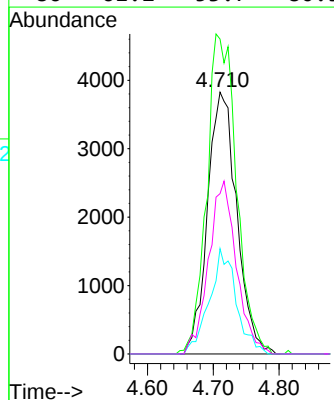
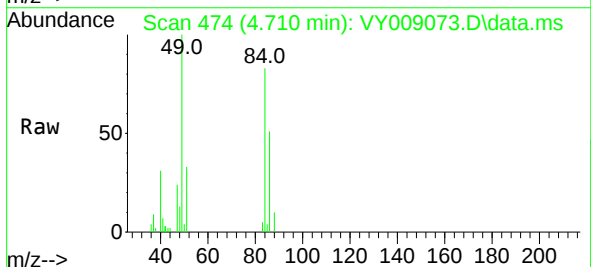
Instrument :
MSVOA_Y
ClientSampleId :
SB-14(3.5-4)

Tgt Ion: 43 Resp: 1426
Ion Ratio Lower Upper
43 100
58 57.1 22.0 33.0#



#20
Methylene Chloride
Concen: 1.397 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

Tgt Ion: 84 Resp: 11818
Ion Ratio Lower Upper
84 100
49 120.3 114.4 171.6
51 40.2 35.3 52.9
86 61.2 53.7 80.5

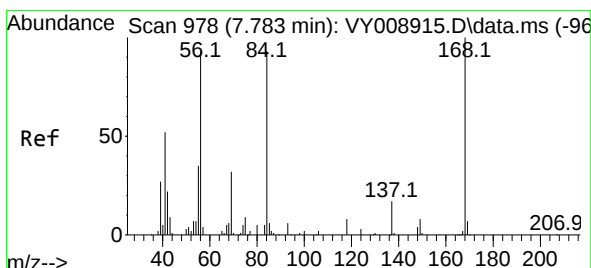
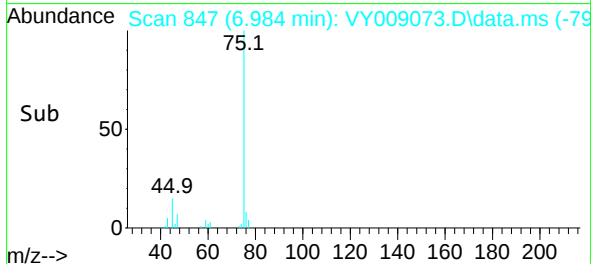
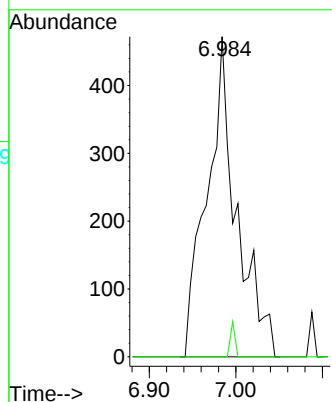
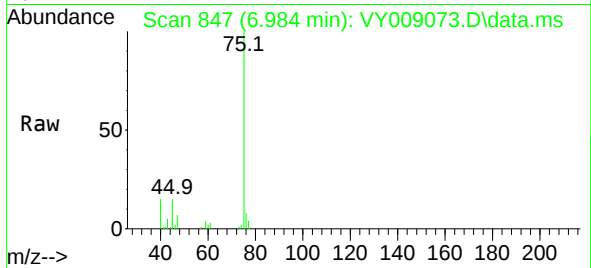




#25
2-Butanone
Concen: 2.744 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

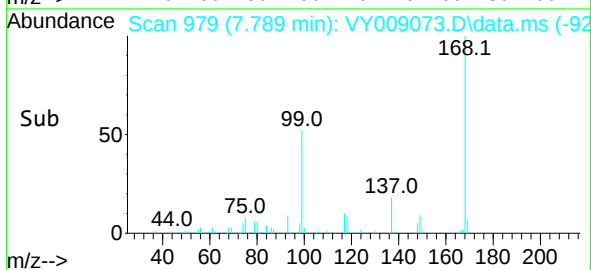
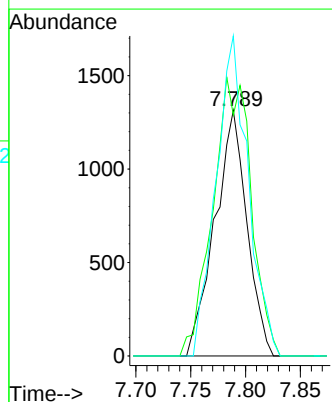
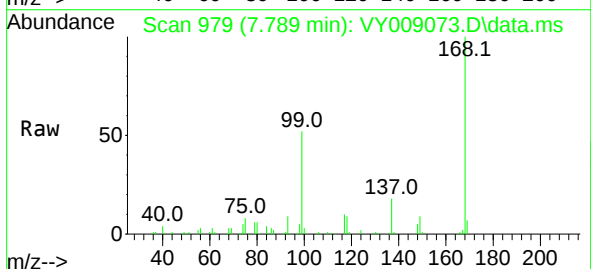
Instrument :
MSVOA_Y
ClientSampleId :
SB-14(3.5-4)

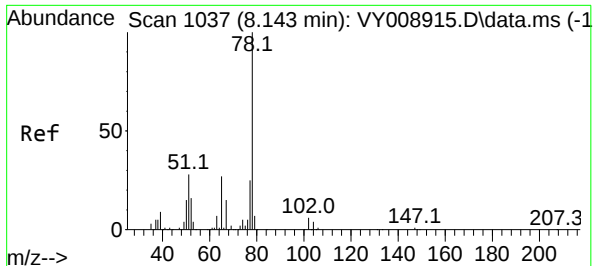
Tgt Ion: 43 Resp: 1122
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.243 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

Tgt Ion: 56 Resp: 2675
Ion Ratio Lower Upper
56 100
69 98.1 26.7 40.1#
84 130.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 60.755 ug/l

RT: 8.142 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY009073.D

Acq: 24 May 2022 19:37

Instrument :

MSVOA_Y

ClientSampleId :

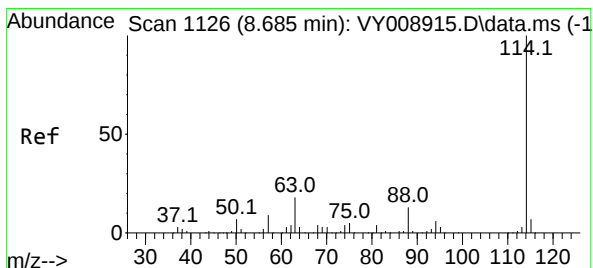
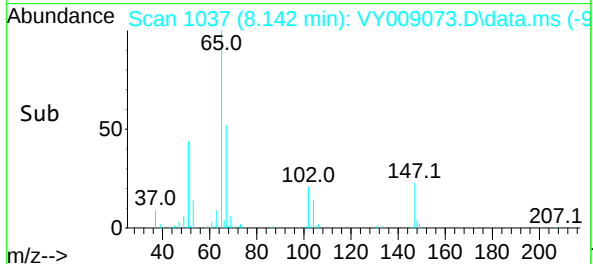
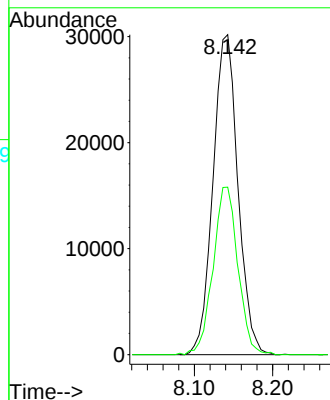
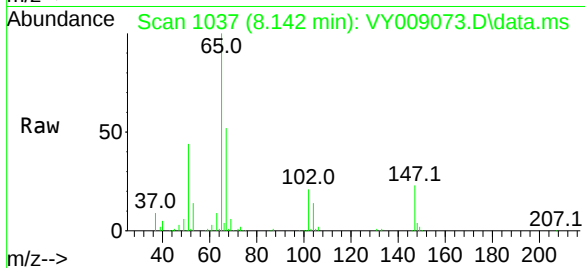
SB-14(3.5-4)

Tgt Ion: 65 Resp: 66828

Ion Ratio Lower Upper

65 100

67 52.2 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: VY009073.D

Acq: 24 May 2022 19:37

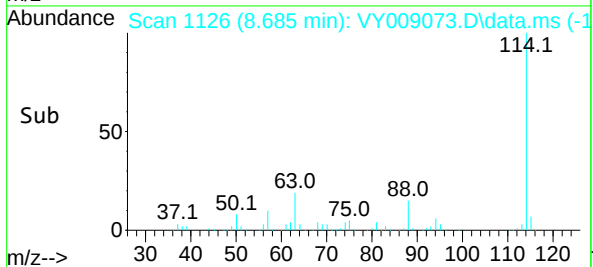
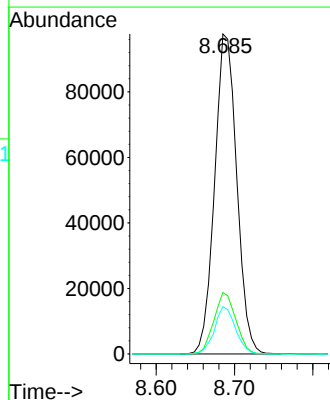
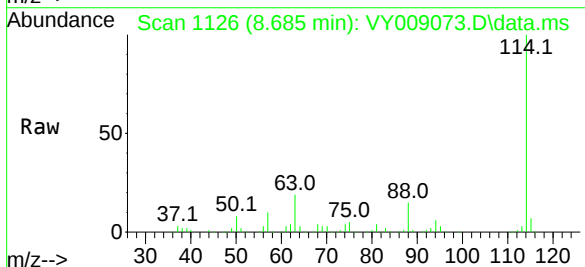
Tgt Ion: 114 Resp: 191703

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 14.8 0.0 31.8

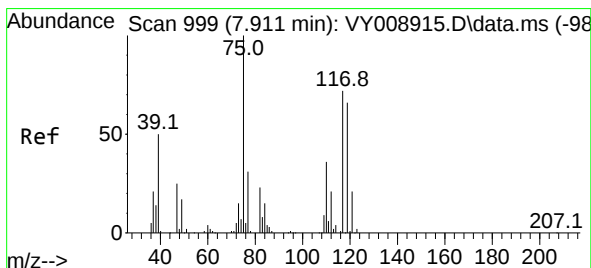
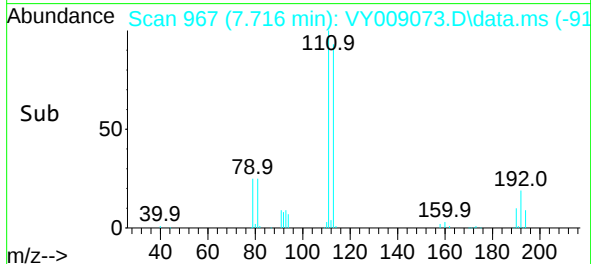
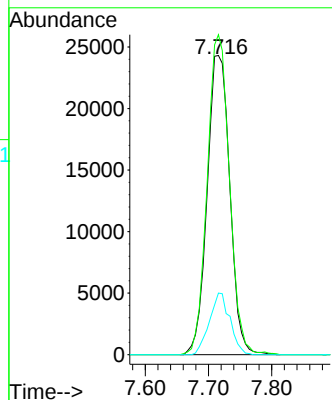
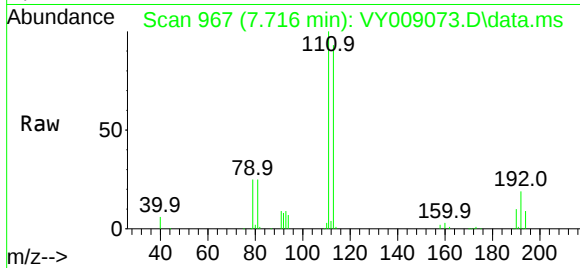




#35
Dibromofluoromethane
Concen: 50.824 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

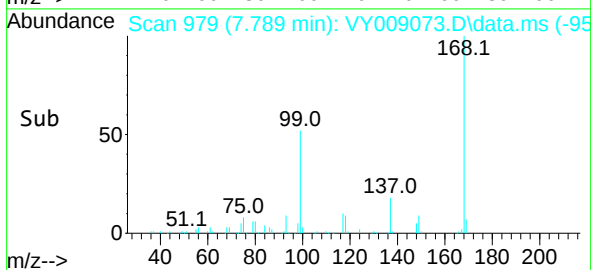
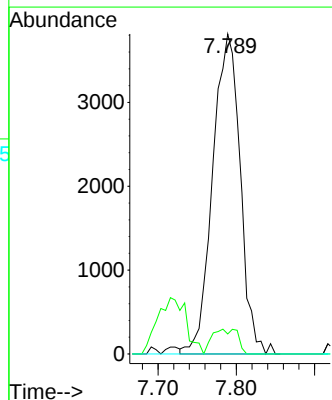
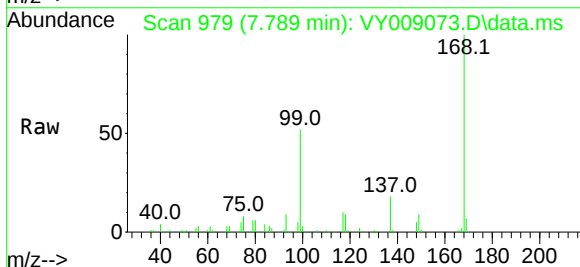
Instrument :
MSVOA_Y
ClientSampleId :
SB-14(3.5-4)

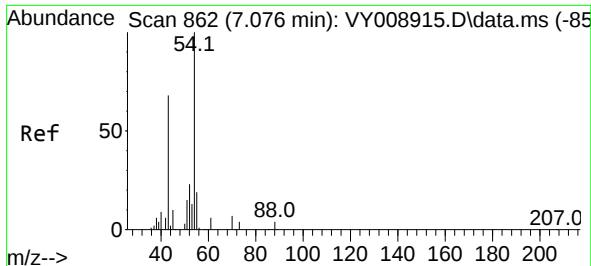
Tgt Ion:113 Resp: 60587
Ion Ratio Lower Upper
113 100
111 104.7 82.6 124.0
192 18.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

Tgt Ion: 75 Resp: 9329
Ion Ratio Lower Upper
75 100
110 7.2 17.1 51.2#
77 0.0 24.4 36.6#

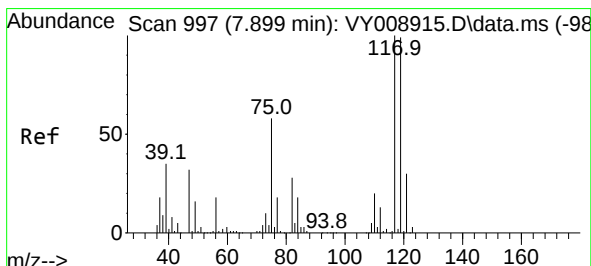
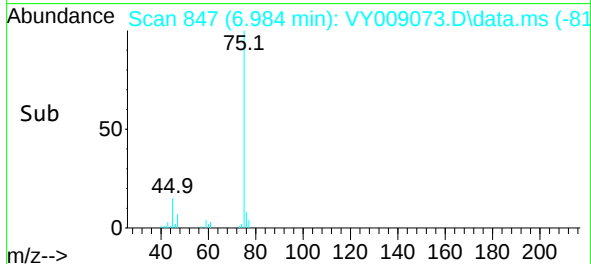
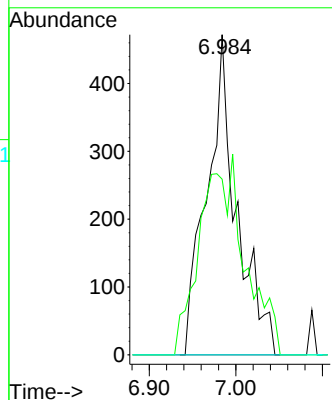
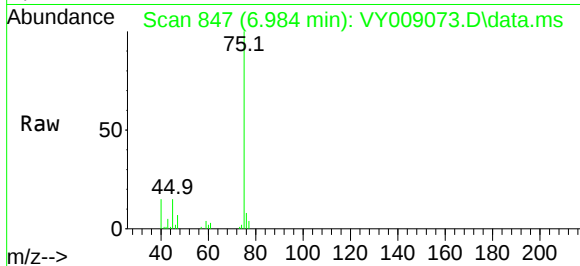




#37
Ethyl Acetate
Concen: 1.066 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.092 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

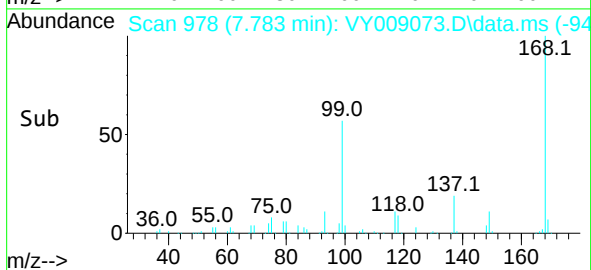
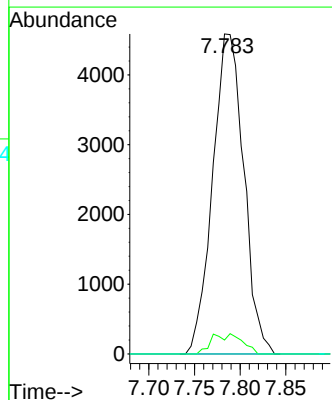
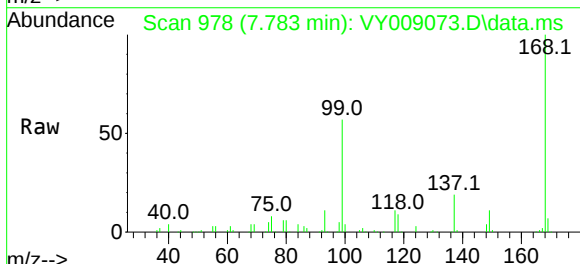
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SB-14(3.5-4)

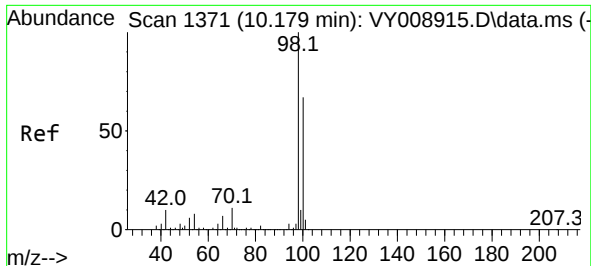
Tgt Ion: 43 Resp: 1122
Ion Ratio Lower Upper
43 100
61 93.4 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.114 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

Tgt Ion: 117 Resp: 10852
Ion Ratio Lower Upper
117 100
119 4.3 77.9 116.9#
121 0.0 24.8 37.2#

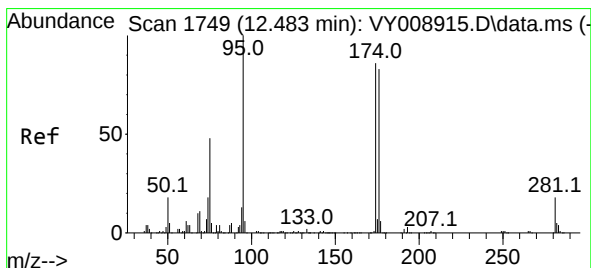
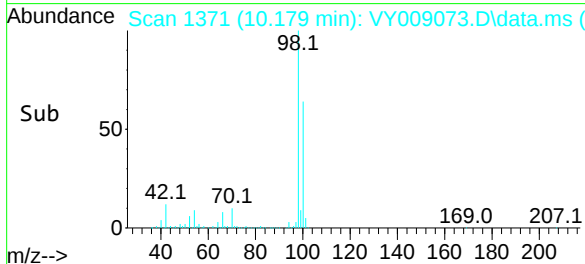
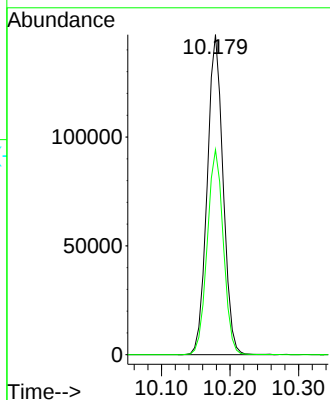
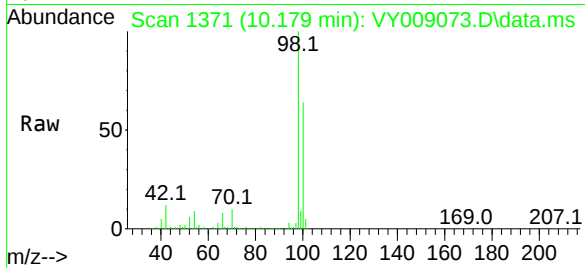




#50
Toluene-d8
Concen: 53.897 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

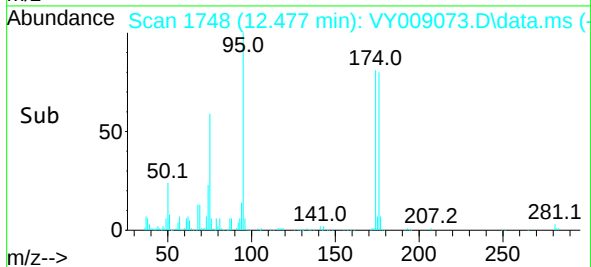
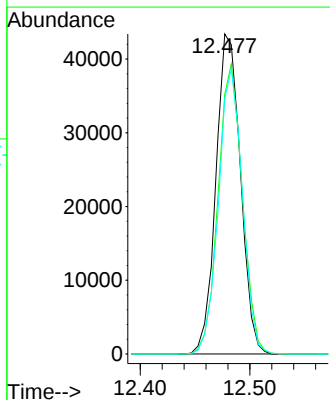
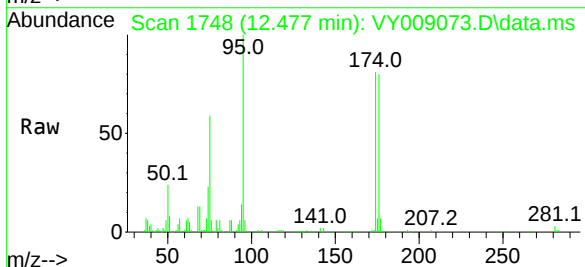
Instrument :
MSVOA_Y
ClientSampleId :
SB-14(3.5-4)

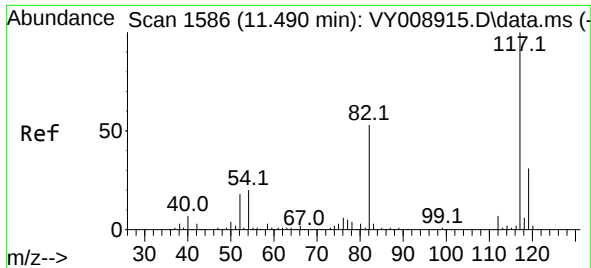
Tgt Ion: 98 Resp: 237026
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 38.014 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

Tgt Ion: 95 Resp: 67438
Ion Ratio Lower Upper
95 100
174 89.5 0.0 177.0
176 86.9 0.0 175.8

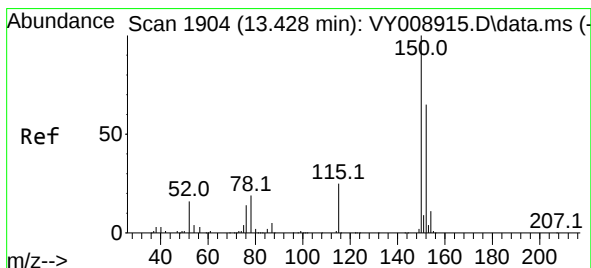
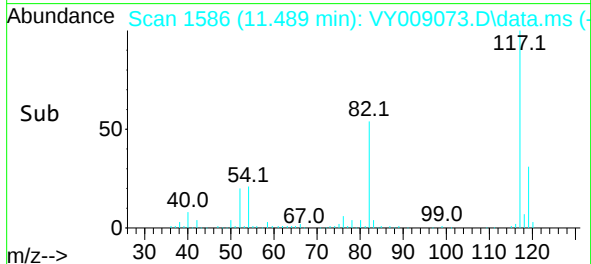
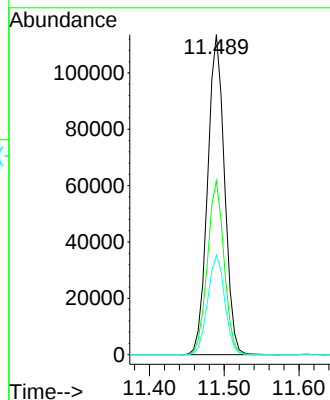
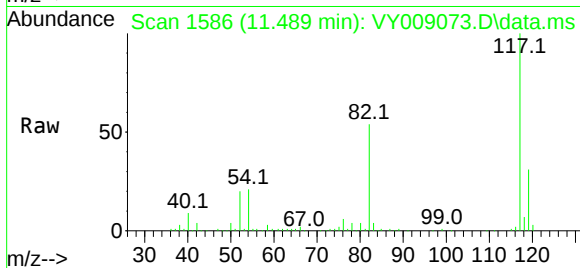




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117978
Delta R.T. -0.001 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

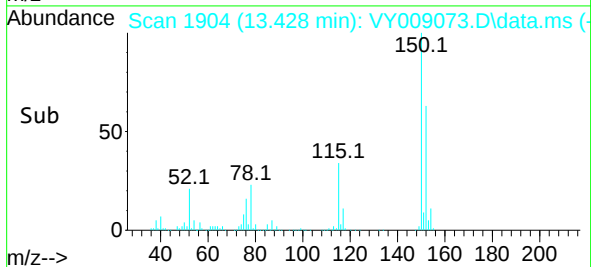
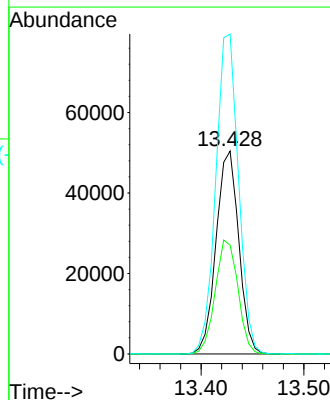
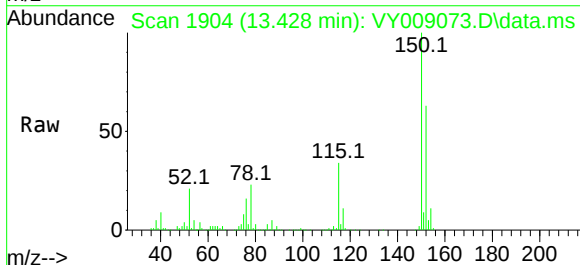
Instrument :
MSVOA_Y
ClientSampleId :
SB-14(3.5-4)

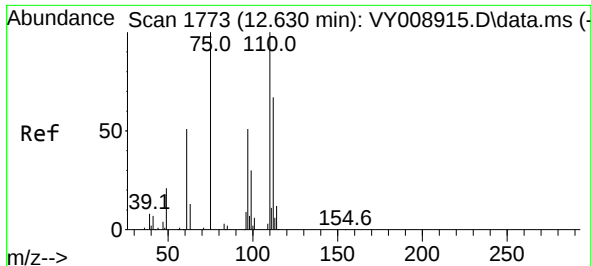
Tgt Ion:117 Resp: 177978
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 31.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

Tgt Ion:152 Resp: 77317
Ion Ratio Lower Upper
152 100
115 56.1 28.2 84.7
150 157.6 0.0 347.6

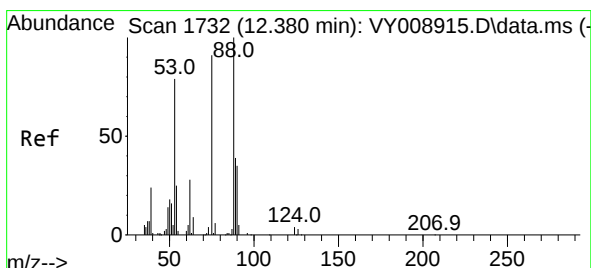
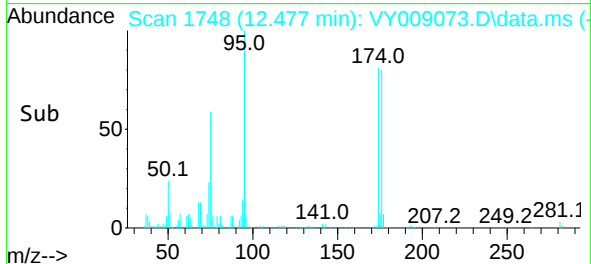
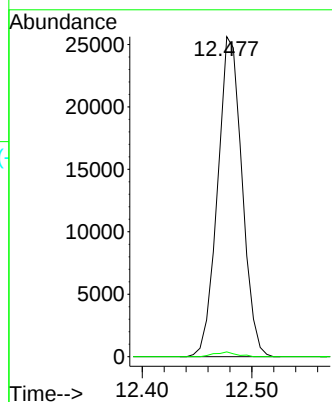
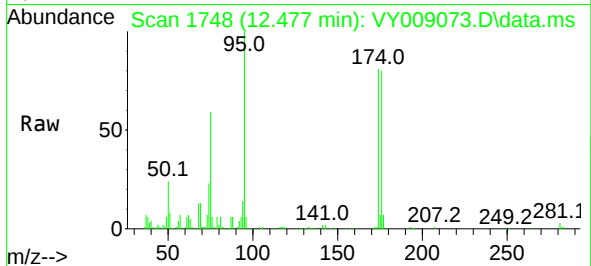




#76
1,2,3-Trichloropropane
Concen: 47.737 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

Instrument :
MSVOA_Y
ClientSampleId :
SB-14(3.5-4)

Tgt Ion: 75 Resp: 39636
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.981 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY009073.D
Acq: 24 May 2022 19:37

Tgt Ion: 75 Resp: 39636
Ion Ratio Lower Upper
75 100
53 0.7 85.3 127.9#
89 0.0 37.0 55.4#

