

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015147.D
 Acq On : 16 Aug 2023 14:07
 Operator : SY/MD
 Sample : 04016-03
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 16:17:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

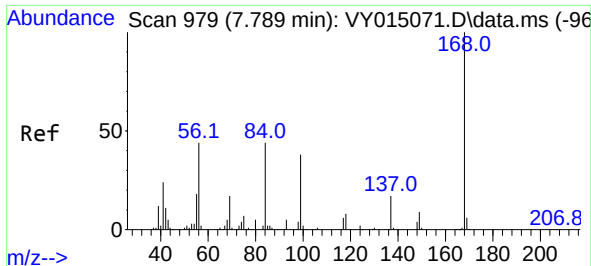
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	102004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	179179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	180302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	93346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	71574	58.453	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.900%	
35) Dibromofluoromethane	7.710	113	58909	51.104	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.200%	
50) Toluene-d8	10.179	98	215121	50.132	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.260%	
62) 4-Bromofluorobenzene	12.477	95	81125	51.761	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.520%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	48	Below Cal	#	43
3) Chloromethane	2.107	50	261	Below Cal	#	43
5) Bromomethane	2.662	94	224	Below Cal	#	49
11) Tert butyl alcohol	4.924	59	7469	22.293	ug/l #	89
16) Acetone	3.948	43	6246	15.615	ug/l #	88
20) Methylene Chloride	4.716	84	12893	9.985	ug/l #	82
25) 2-Butanone	6.972	43	3707	6.545	ug/l #	73
26) 2,2-Dichloropropane	6.972	77	4518	2.757	ug/l #	54
31) Cyclohexane	7.783	56	2284	Below Cal	#	1
36) 1,1-Dichloropropene	7.777	75	8626	6.764	ug/l #	50
37) Ethyl Acetate	6.972	43	3707	3.119	ug/l #	1
38) Carbon Tetrachloride	7.789	117	9970	6.606	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	44618	39.343	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44618	86.416	ug/l #	10

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

Quant Time: Aug 16 16:17:55 2023
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Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
Response via : Initial Calibration

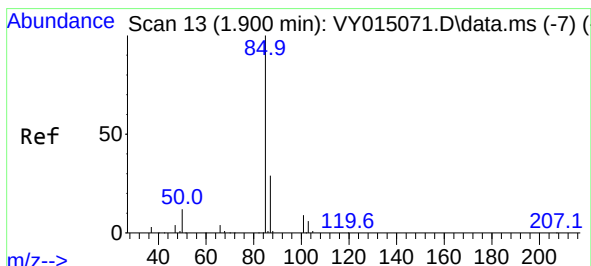
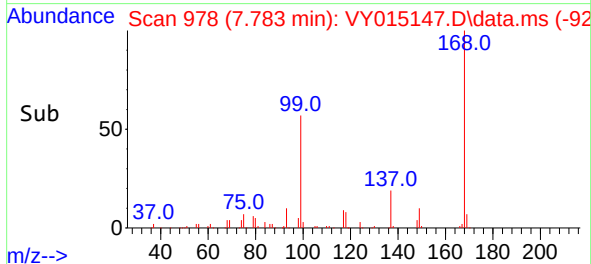
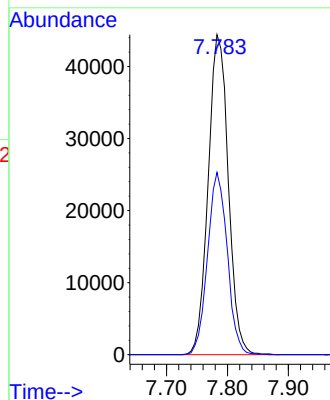
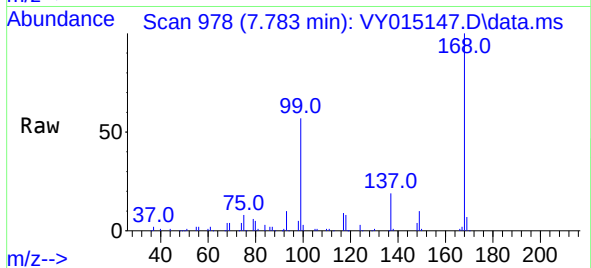




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

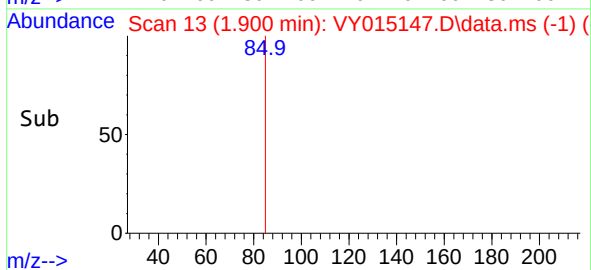
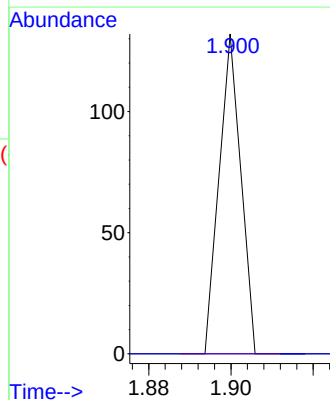
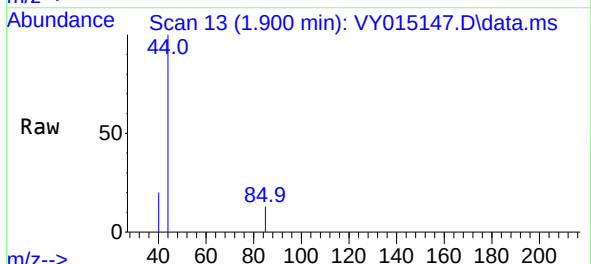
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 102004
Ion Ratio Lower Upper
168 100
99 57.0 43.4 65.0

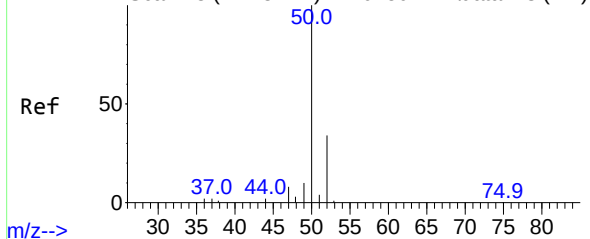


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

Tgt Ion: 85 Resp: 48
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#



Abundance Scan 48 (2.113 min): VY015071.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY015147.D

Acq: 16 Aug 2023 14:07

Instrument :

MSVOA_Y

ClientSampleId :

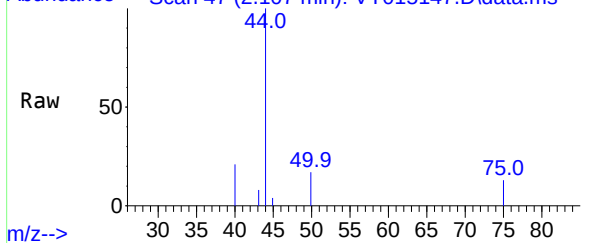
Tgt Ion: 50 Resp: 261

Ion Ratio Lower Upper

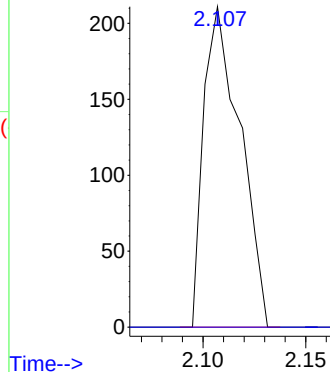
50 100

52 0.0 25.4 38.2#

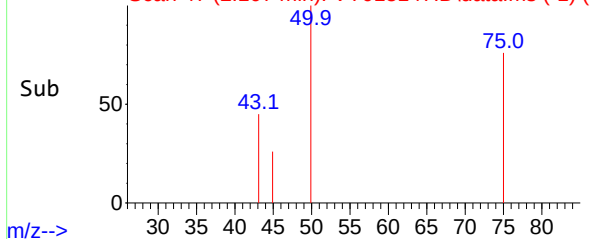
Abundance Scan 47 (2.107 min): VY015147.D\data.ms



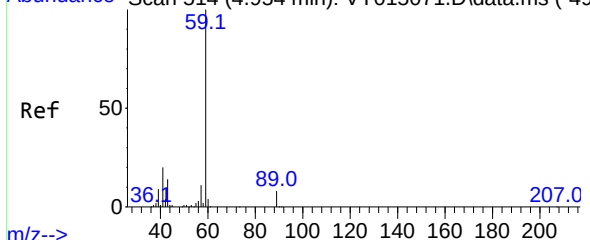
Abundance



Abundance Scan 47 (2.107 min): VY015147.D\data.ms (-1)



Abundance Scan 514 (4.954 min): VY015071.D\data.ms (-49)



#11

Tert butyl alcohol

Concen: 22.293 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.024 min

Lab File: VY015147.D

Acq: 16 Aug 2023 14:07

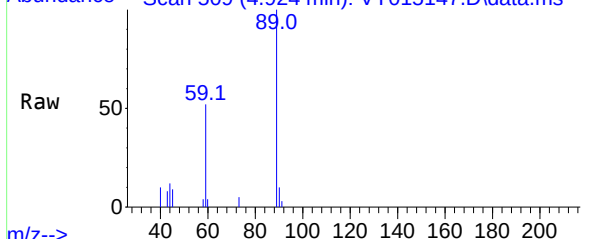
Tgt Ion: 59 Resp: 7469

Ion Ratio Lower Upper

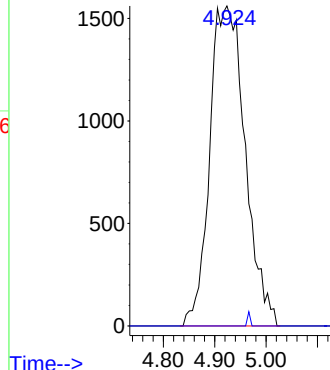
59 100

57 0.0 3.0 4.4#

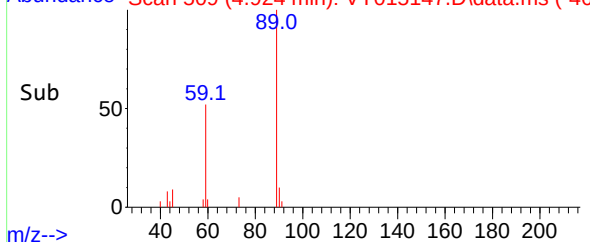
Abundance Scan 509 (4.924 min): VY015147.D\data.ms

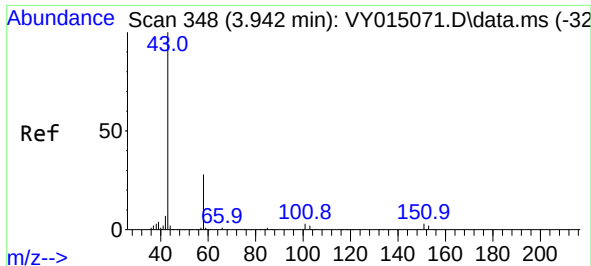


Abundance



Abundance Scan 509 (4.924 min): VY015147.D\data.ms (-46)

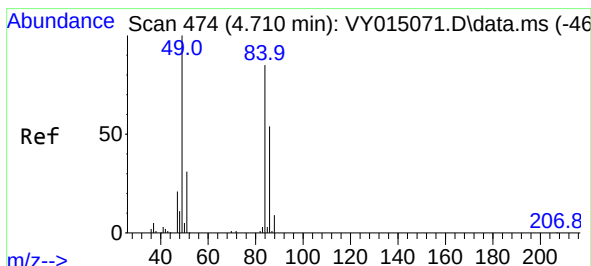
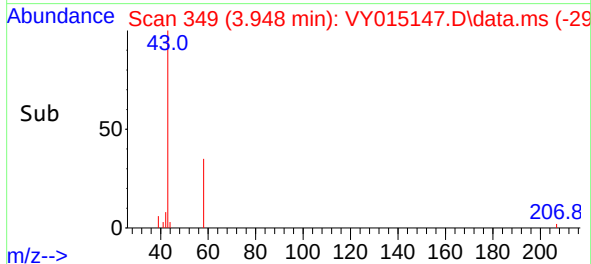
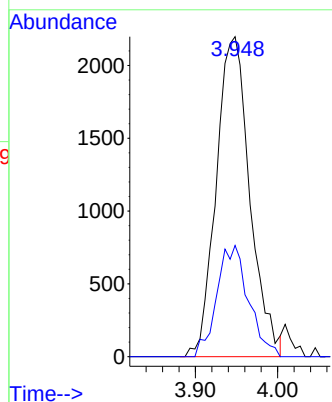
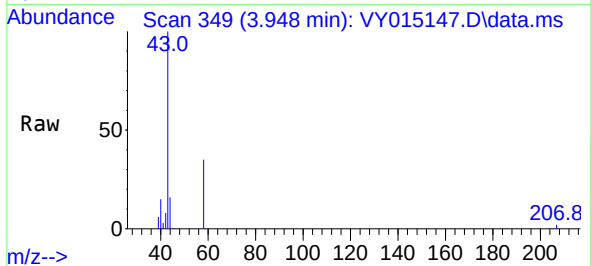




#16
Acetone
Concen: 15.615 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

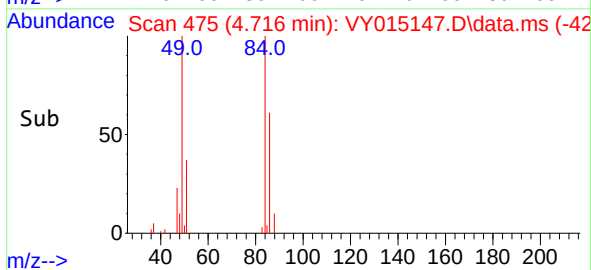
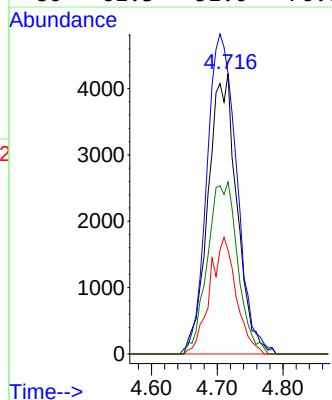
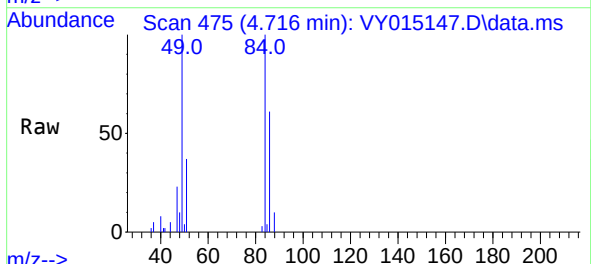
Instrument :
MSVOA_Y
ClientSampleId :

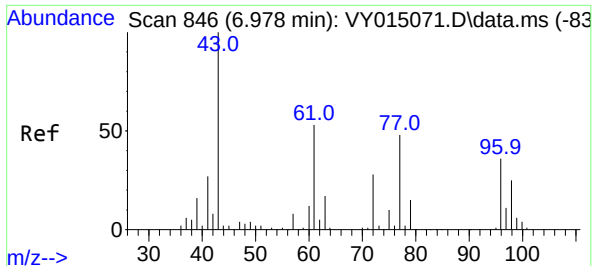
Tgt Ion: 43 Resp: 6246
Ion Ratio Lower Upper
43 100
58 34.8 22.7 34.1#



#20
Methylene Chloride
Concen: 9.985 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

Tgt Ion: 84 Resp: 12893
Ion Ratio Lower Upper
84 100
49 100.2 106.9 160.3#
51 37.0 33.2 49.8
86 61.3 51.0 76.6

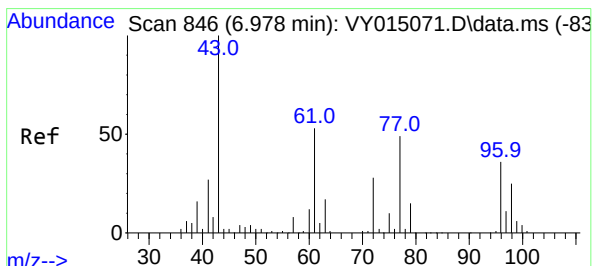
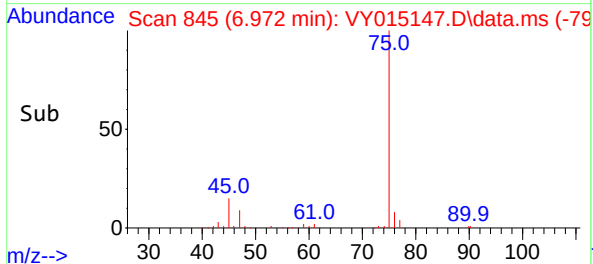
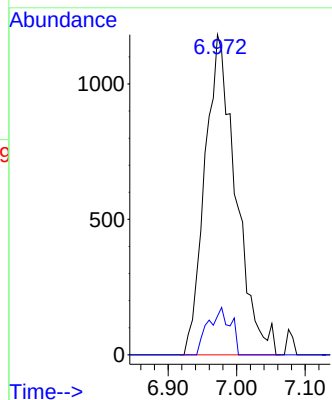
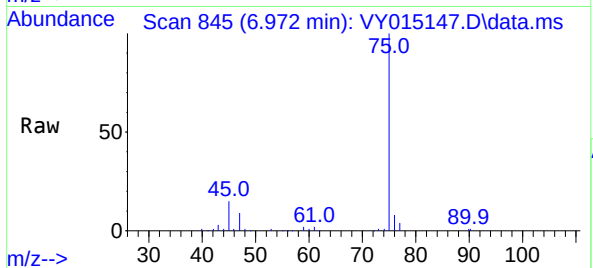




#25
2-Butanone
Concen: 6.545 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

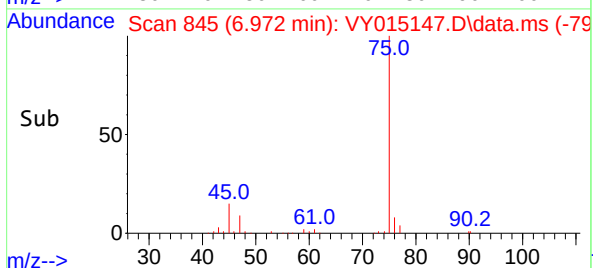
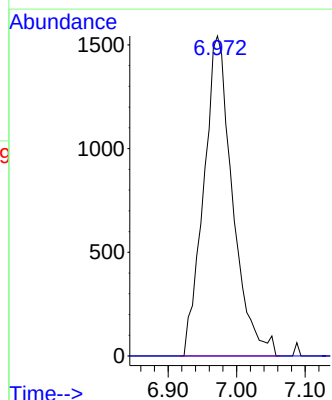
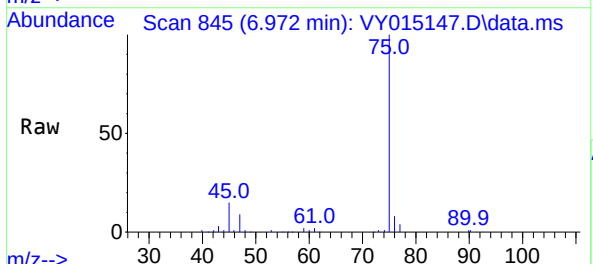
Instrument :
MSVOA_Y
ClientSampleId :

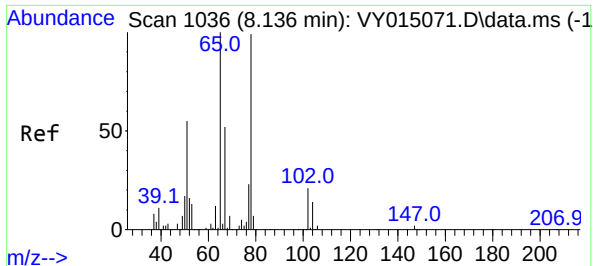
Tgt Ion: 43 Resp: 3707
Ion Ratio Lower Upper
43 100
72 12.1 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.757 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

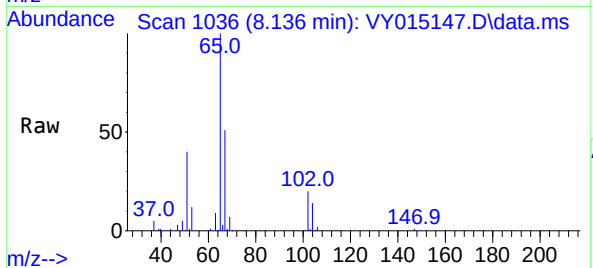
Tgt Ion: 77 Resp: 4518
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



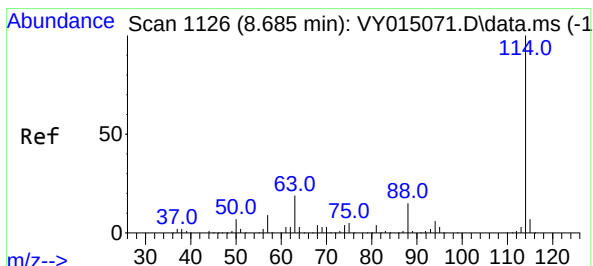
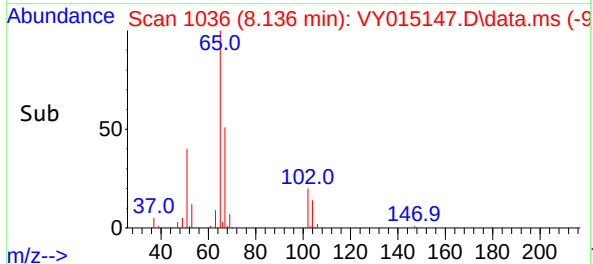
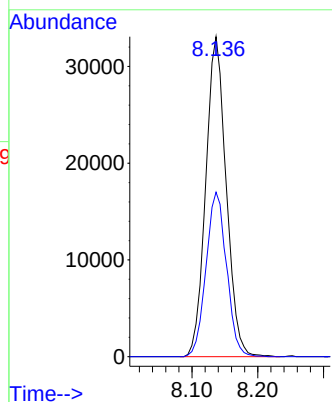


#33
1,2-Dichloroethane-d4
Concen: 58.453 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

Instrument :
MSVOA_Y
ClientSampleId :

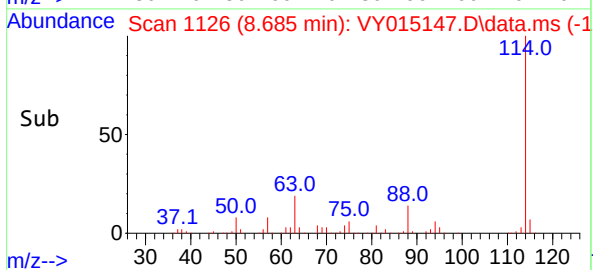
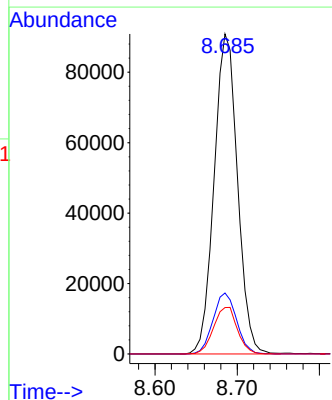
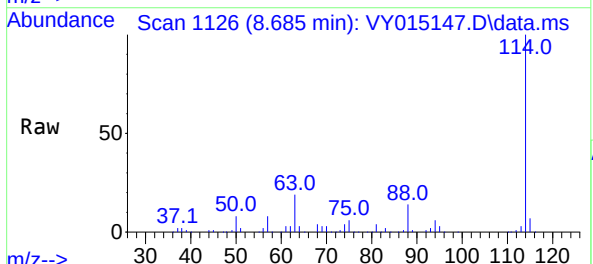


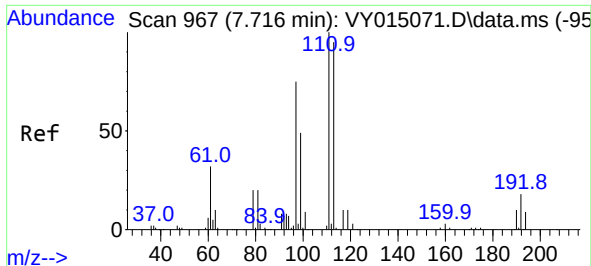
Tgt Ion: 65 Resp: 71574
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

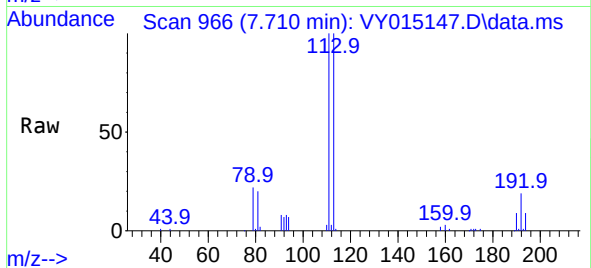
Tgt Ion: 114 Resp: 179179
Ion Ratio Lower Upper
114 100
63 19.0 0.0 42.4
88 14.5 0.0 30.6



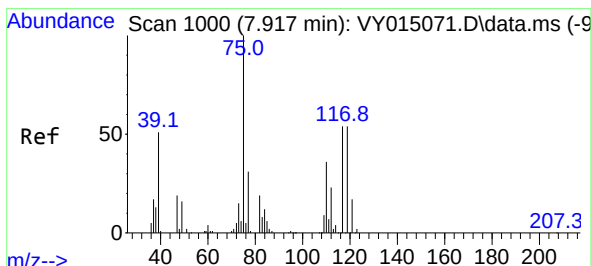
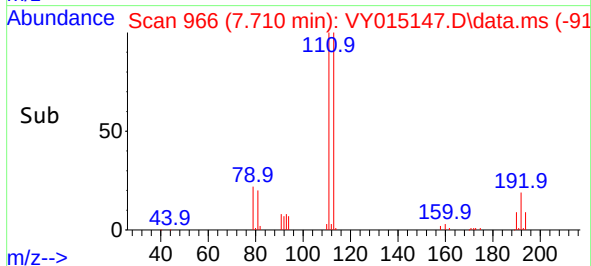
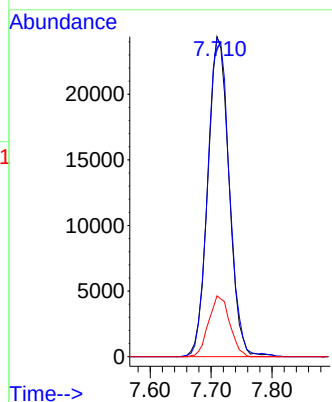


#35
Dibromofluoromethane
Concen: 51.104 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

Instrument :
MSVOA_Y
ClientSampleId :

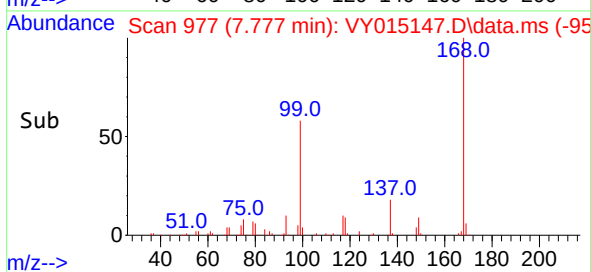
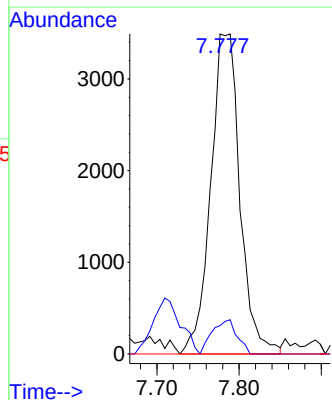
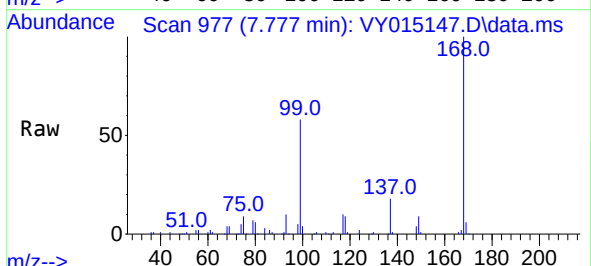


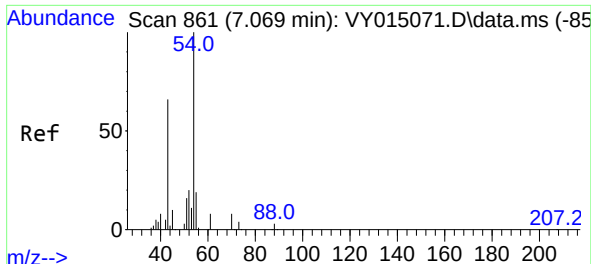
Tgt Ion:113 Resp: 58909
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 18.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.764 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

Tgt Ion: 75 Resp: 8626
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.119 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.097 min

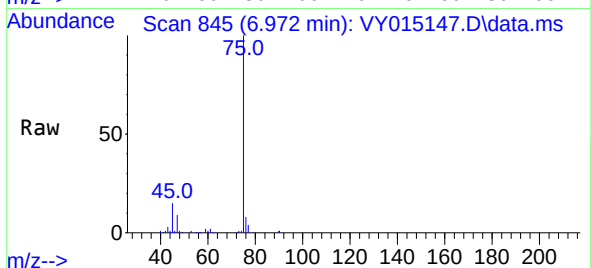
Lab File: VY015147.D

Acq: 16 Aug 2023 14:07

Instrument :

MSVOA_Y

ClientSampleId :



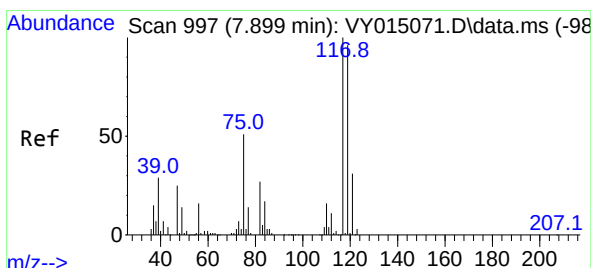
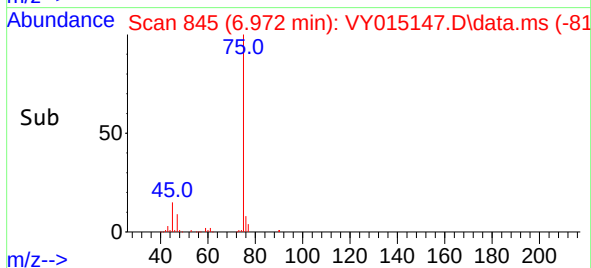
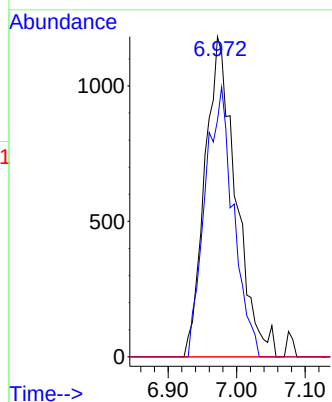
Tgt Ion: 43 Resp: 3707

Ion Ratio Lower Upper

43 100

61 77.3 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.606 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015147.D

Acq: 16 Aug 2023 14:07

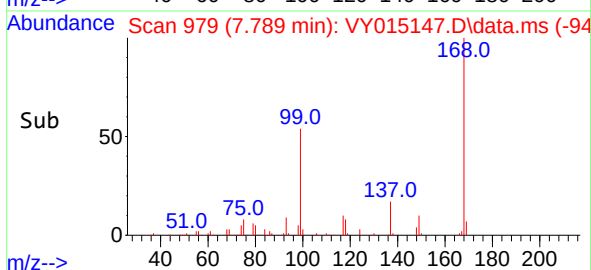
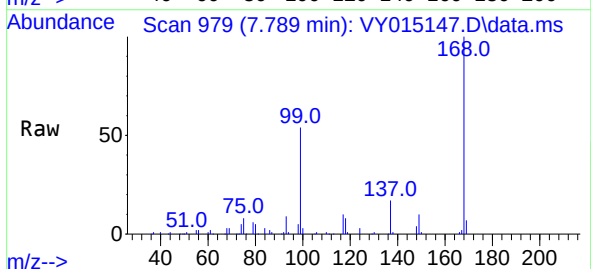
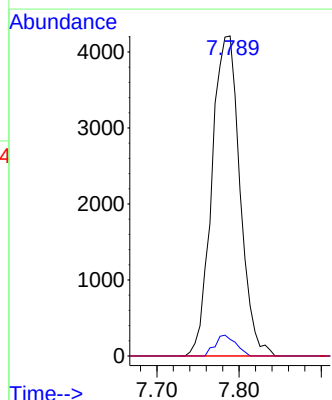
Tgt Ion: 117 Resp: 9970

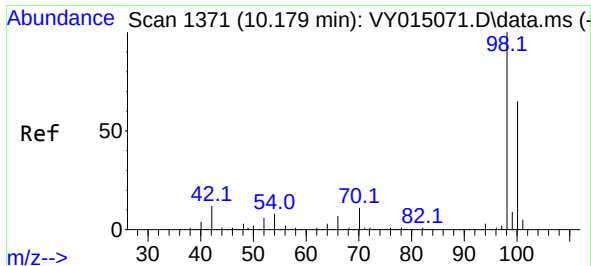
Ion Ratio Lower Upper

117 100

119 5.2 76.4 114.6#

121 0.0 25.8 38.6#

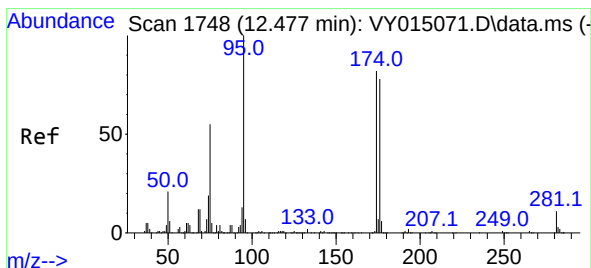
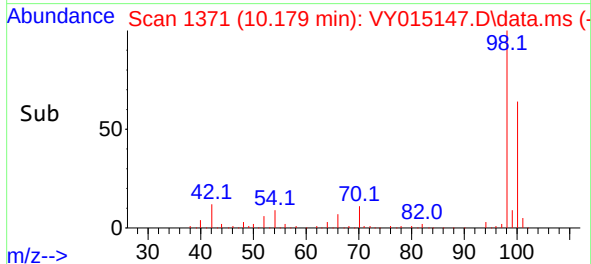
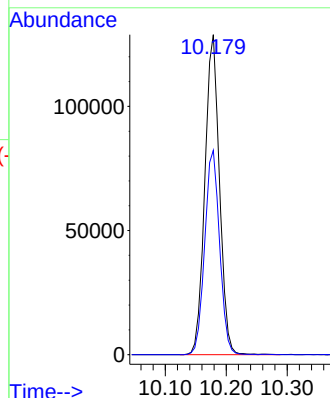
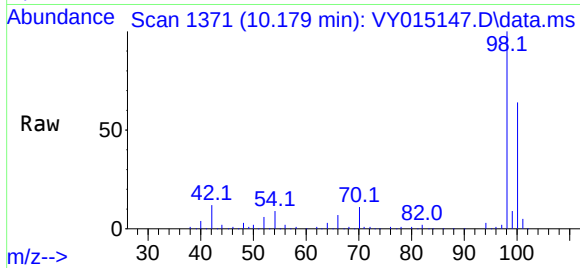




#50
Toluene-d8
Concen: 50.132 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

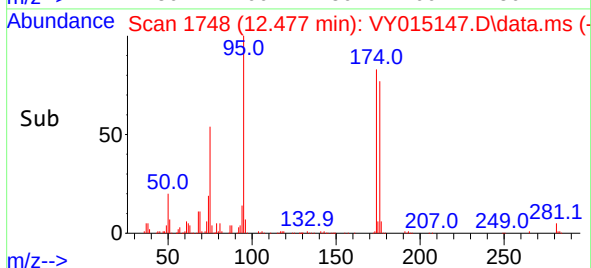
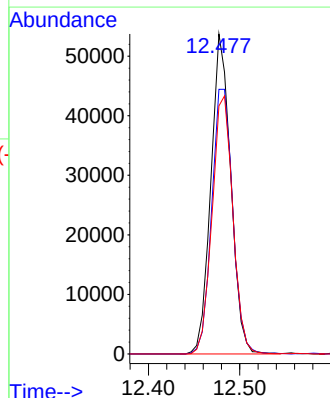
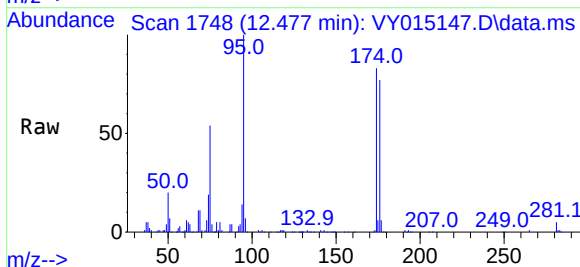
Instrument :
MSVOA_Y
ClientSampleId :

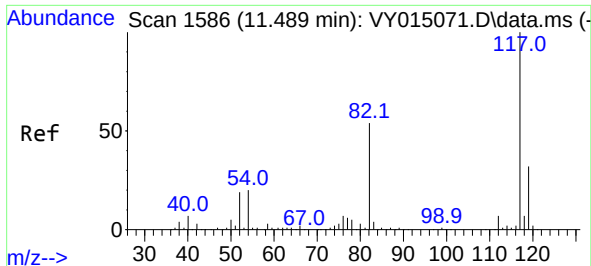
Tgt Ion: 98 Resp: 215121
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.761 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

Tgt Ion: 95 Resp: 81125
Ion Ratio Lower Upper
95 100
174 87.4 0.0 178.2
176 84.1 0.0 173.8

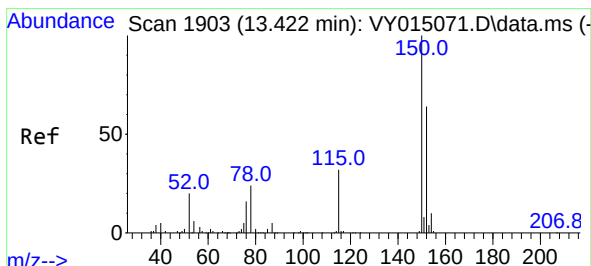
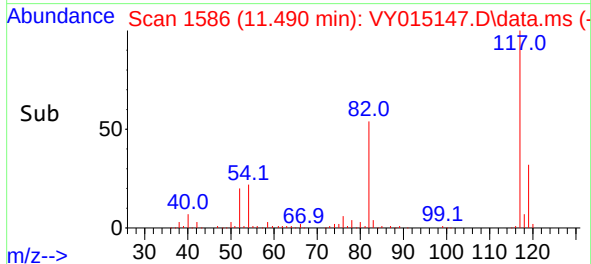
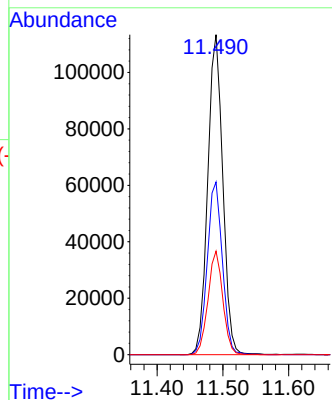
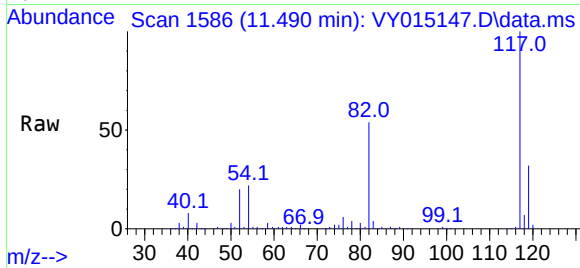




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

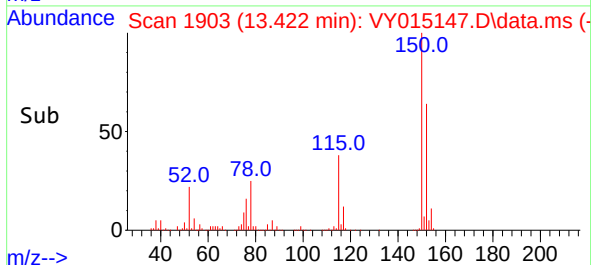
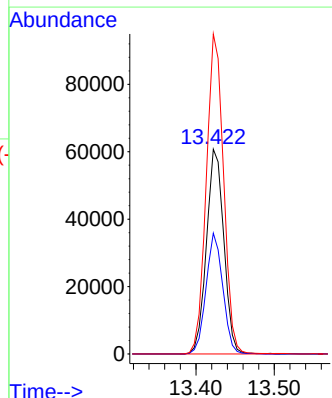
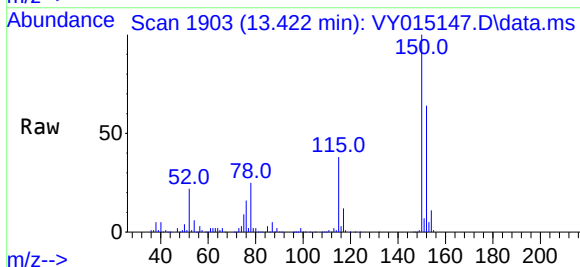
Instrument :
MSVOA_Y
ClientSampleId :

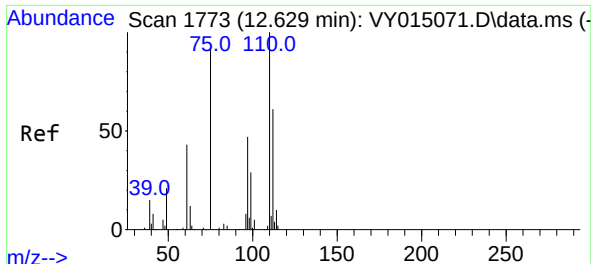
Tgt Ion:117 Resp: 180302
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 32.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

Tgt Ion:152 Resp: 93346
Ion Ratio Lower Upper
152 100
115 57.0 28.8 86.5
150 155.3 0.0 348.8

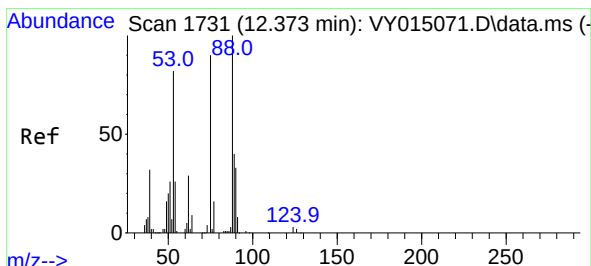
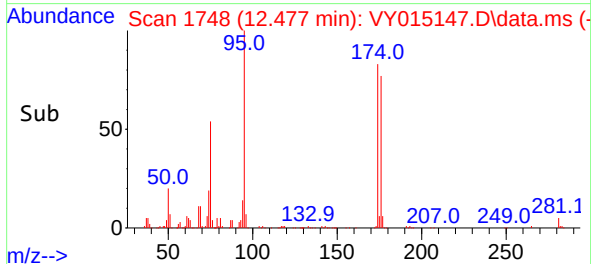
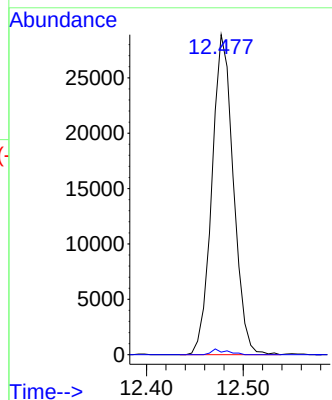
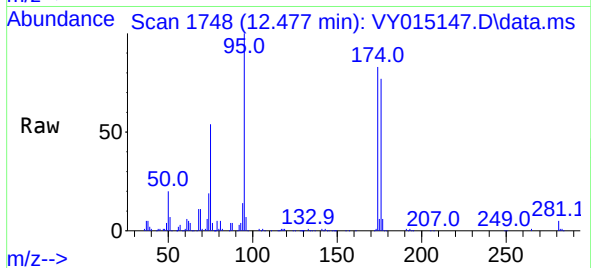




#76
1,2,3-Trichloropropane
Concen: 39.343 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 44618
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.416 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015147.D
Acq: 16 Aug 2023 14:07

Tgt Ion: 75 Resp: 44618
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

