

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072023\
 Data File : VY014717.D
 Acq On : 20 Jul 2023 13:44
 Operator : SY/MD
 Sample : 03641-31
 Misc : 5.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP15

Quant Time: Jul 20 14:10:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

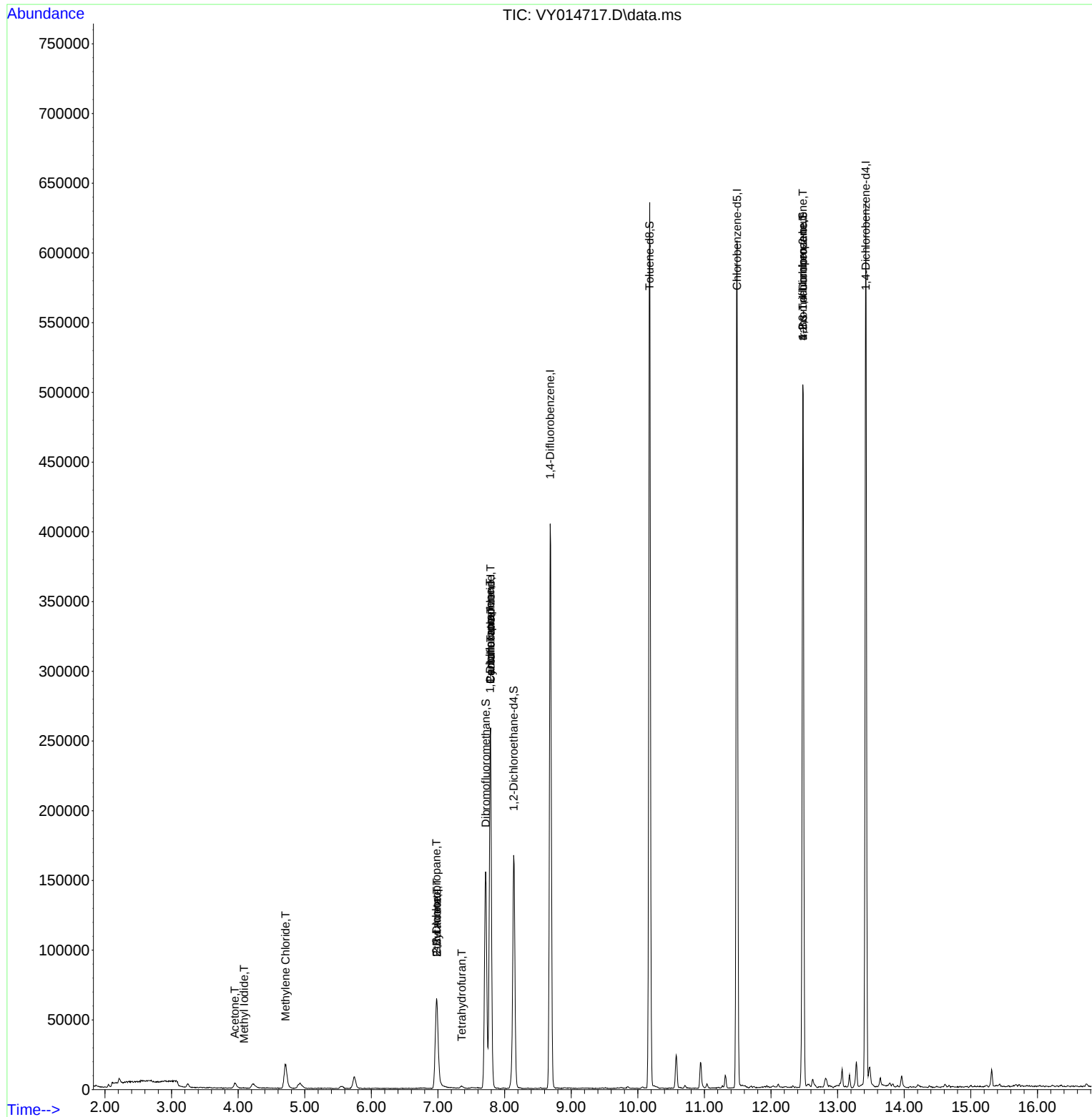
Internal Standards						
1) Pentafluorobenzene	7.789	168	200112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	347220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	329189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	125593	55.076	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.160%			
35) Dibromofluoromethane	7.716	113	111977	50.661	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.320%			
50) Toluene-d8	10.179	98	416426	51.102	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.200%			
62) 4-Bromofluorobenzene	12.477	95	154984	49.601	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.200%			
Target Compounds			Qvalue			
10) Methyl Iodide	4.088	142	268	2.484	ug/l #	76
11) Tert butyl alcohol	4.924	59	4914	Below Cal	#	90
16) Acetone	3.948	43	7212	9.980	ug/l	97
20) Methylene Chloride	4.710	84	12656	1.276	ug/l #	85
25) 2-Butanone	6.984	43	6506	6.154	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	4968	1.281	ug/l #	54
29) Tetrahydrofuran	7.356	42	1176	1.807	ug/l	92
31) Cyclohexane	7.789	56	4372	1.155	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15818	4.785	ug/l #	50
37) Ethyl Acetate	6.984	43	6506	2.859	ug/l #	44
38) Carbon Tetrachloride	7.789	117	19879	5.689	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	81305	40.752	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	81305	78.903	ug/l #	11

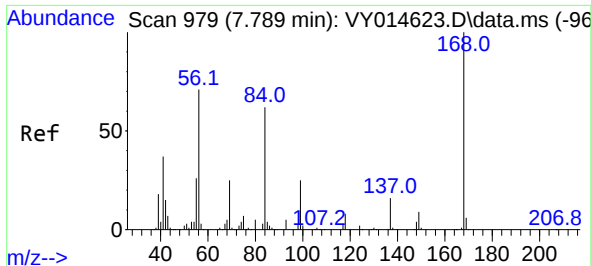
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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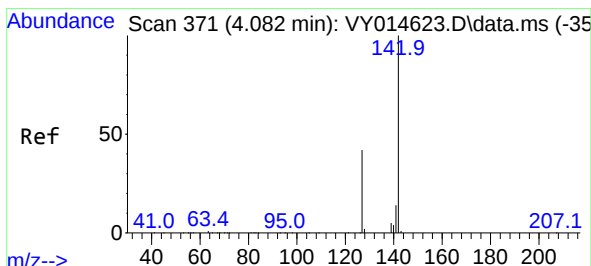
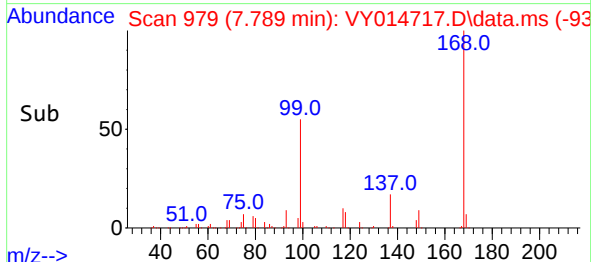
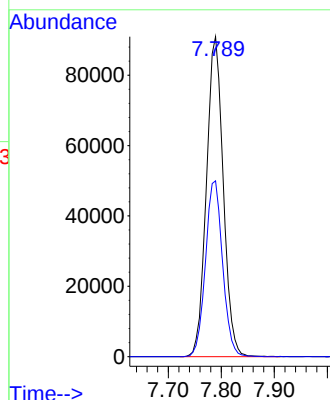
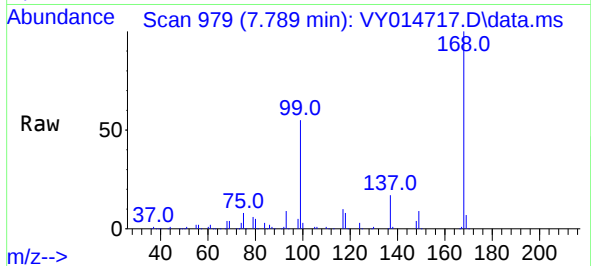




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014717.D
Acq: 20 Jul 2023 13:44

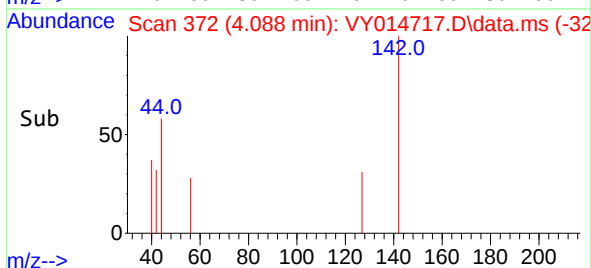
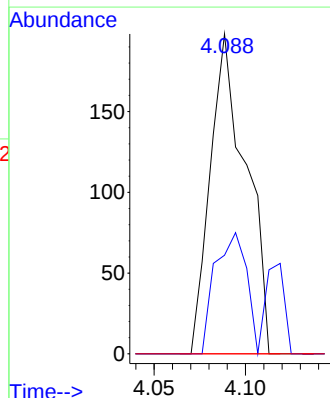
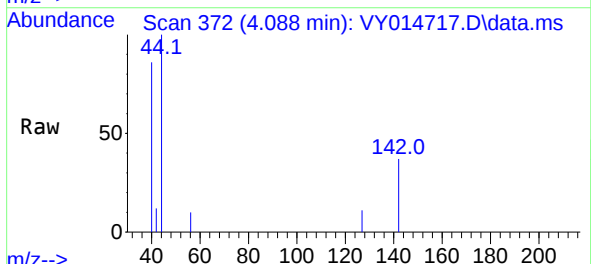
Instrument :
MSVOA_Y
ClientSampleId :
TP15

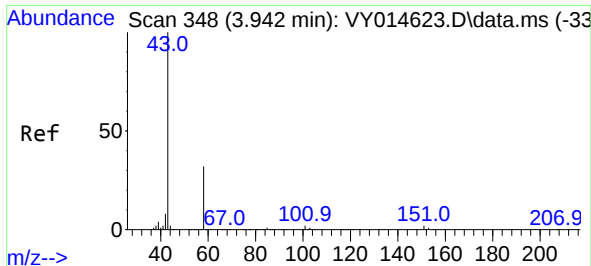
Tgt Ion:168 Resp: 200112
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0



#10
Methyl Iodide
Concen: 2.484 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014717.D
Acq: 20 Jul 2023 13:44

Tgt Ion:142 Resp: 268
Ion Ratio Lower Upper
142 100
127 33.6 37.6 56.4#
141 0.0 11.8 17.8#

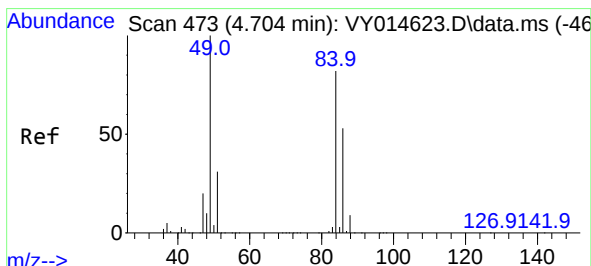
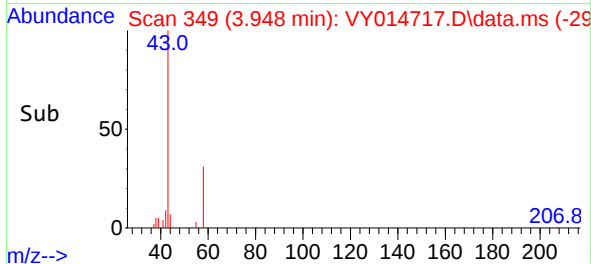
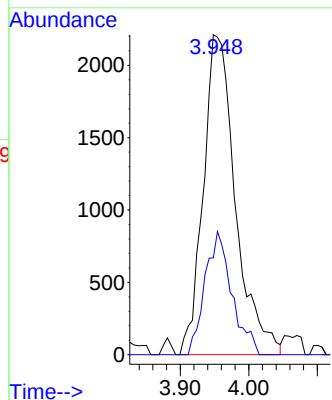
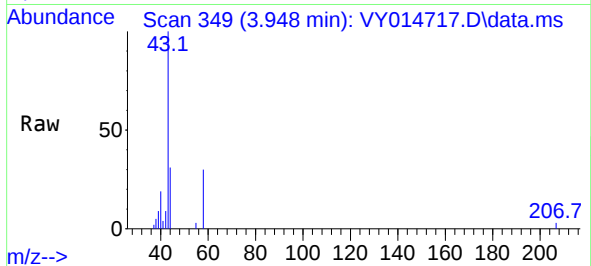




#16
Acetone
Concen: 9.980 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY014717.D
Acq: 20 Jul 2023 13:44

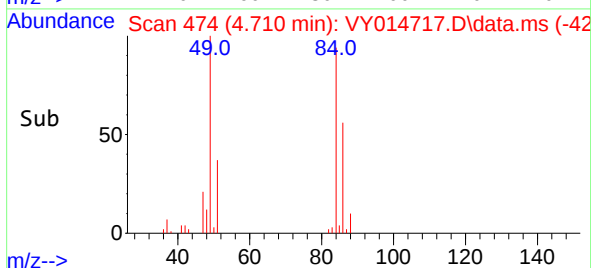
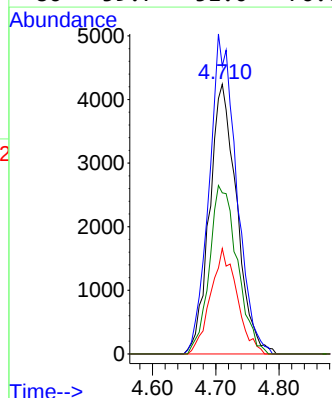
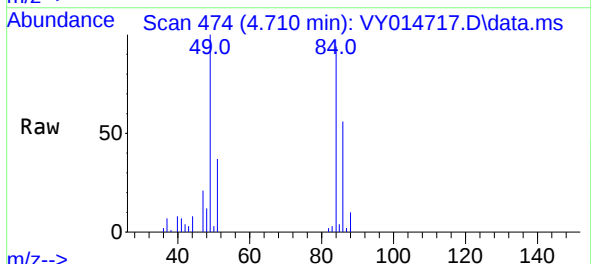
Instrument :
MSVOA_Y
ClientSampleId :
TP15

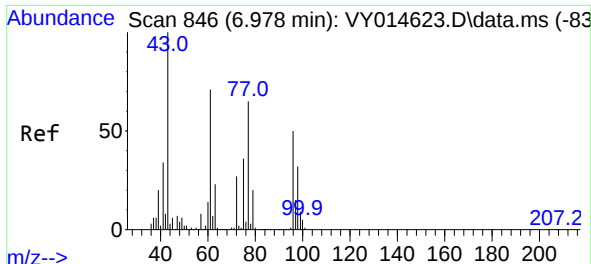
Tgt Ion: 43 Resp: 7212
Ion Ratio Lower Upper
43 100
58 30.2 22.7 34.1



#20
Methylene Chloride
Concen: 1.276 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014717.D
Acq: 20 Jul 2023 13:44

Tgt Ion: 84 Resp: 12656
Ion Ratio Lower Upper
84 100
49 106.7 106.9 160.3#
51 39.1 33.2 49.8
86 59.7 51.0 76.6

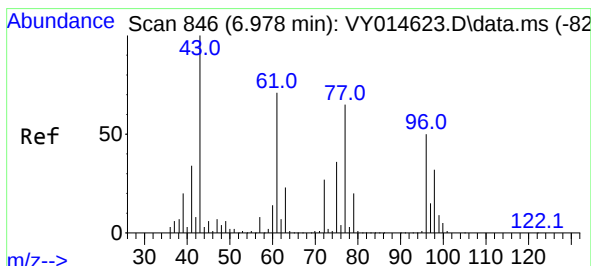
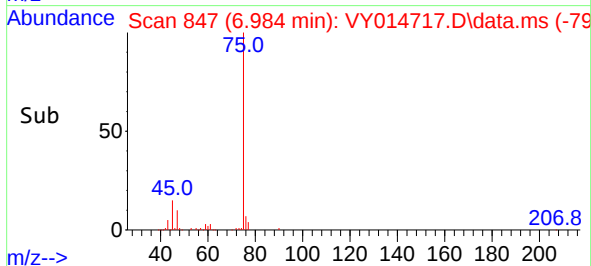
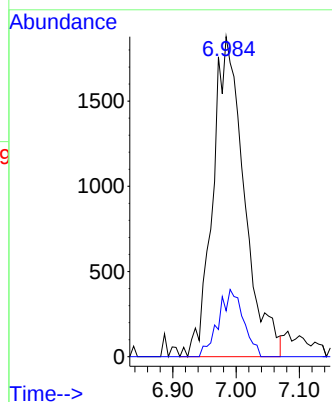
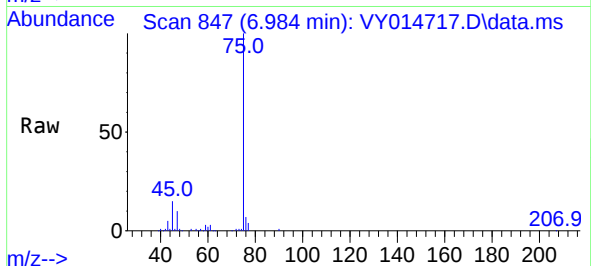




#25
2-Butanone
Concen: 6.154 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014717.D
Acq: 20 Jul 2023 13:44

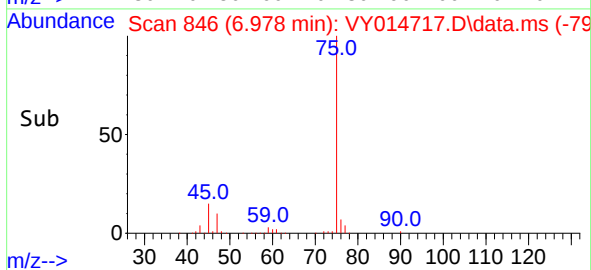
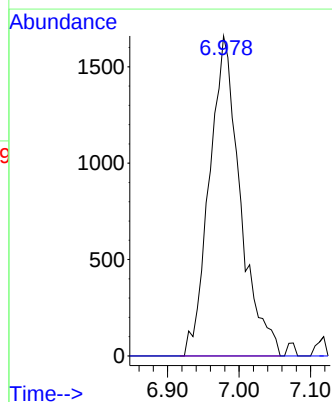
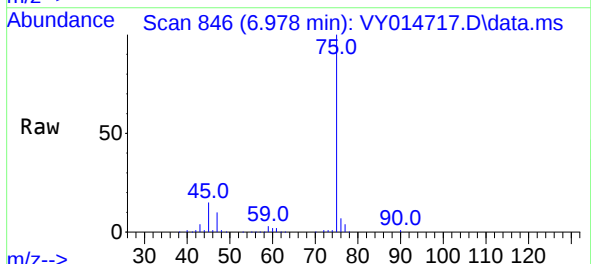
Instrument :
MSVOA_Y
ClientSampleId :
TP15

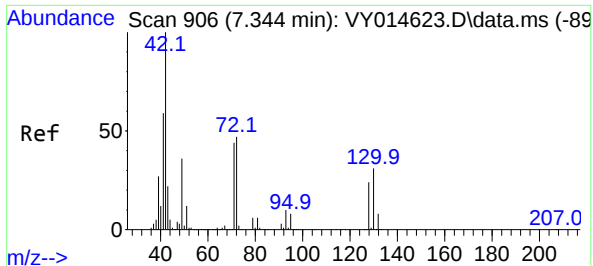
Tgt Ion: 43 Resp: 6506
Ion Ratio Lower Upper
43 100
72 14.4 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.281 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014717.D
Acq: 20 Jul 2023 13:44

Tgt Ion: 77 Resp: 4968
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.807 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY014717.D

Acq: 20 Jul 2023 13:44

Instrument :

MSVOA_Y

ClientSampleId :

TP15

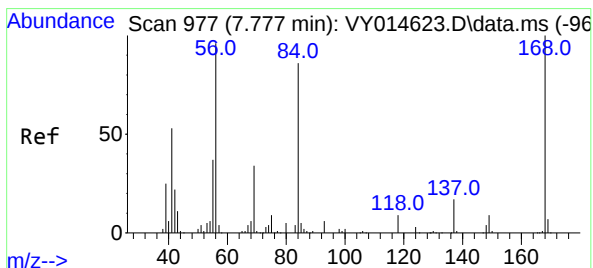
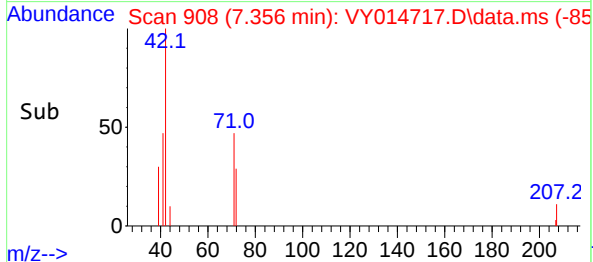
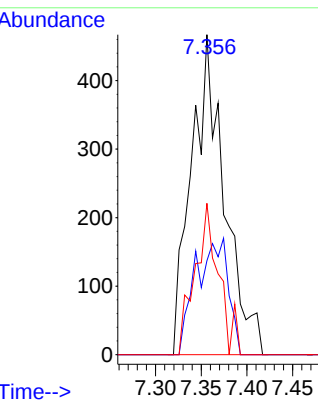
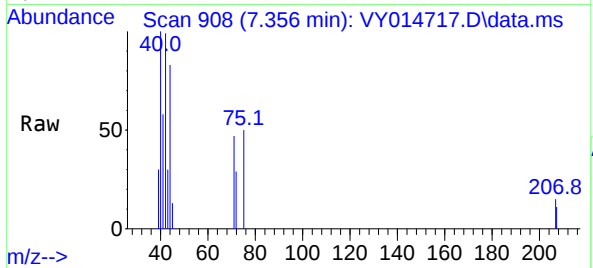
Tgt Ion: 42 Resp: 1176

Ion Ratio Lower Upper

42 100

72 35.6 32.8 49.2

71 34.0 31.0 46.4



#31

Cyclohexane

Concen: 1.155 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY014717.D

Acq: 20 Jul 2023 13:44

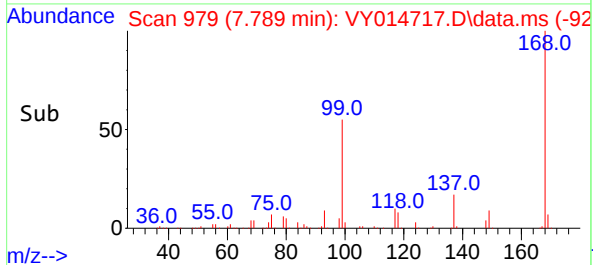
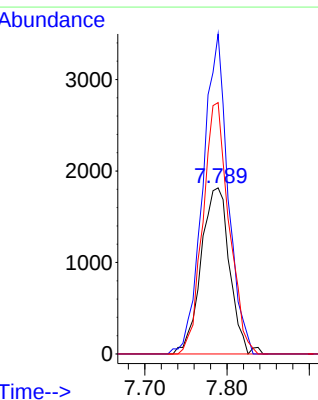
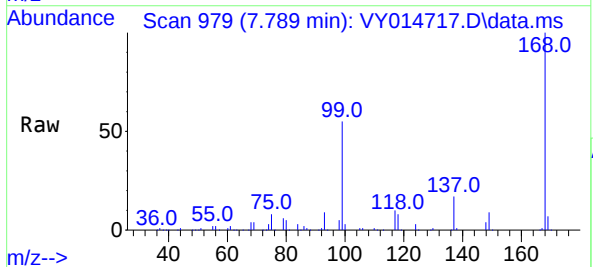
Tgt Ion: 56 Resp: 4372

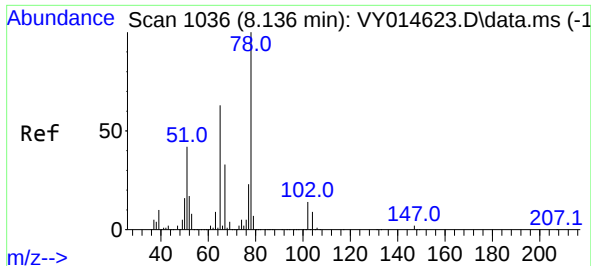
Ion Ratio Lower Upper

56 100

69 192.6 27.8 41.6#

84 151.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.076 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY014717.D

Acq: 20 Jul 2023 13:44

Instrument :

MSVOA_Y

ClientSampleId :

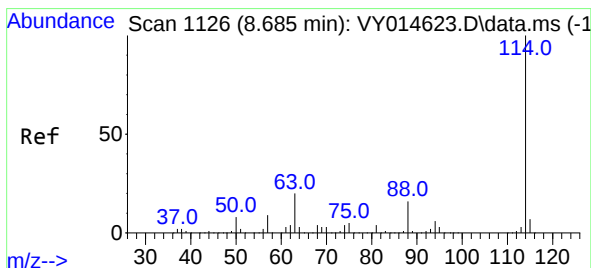
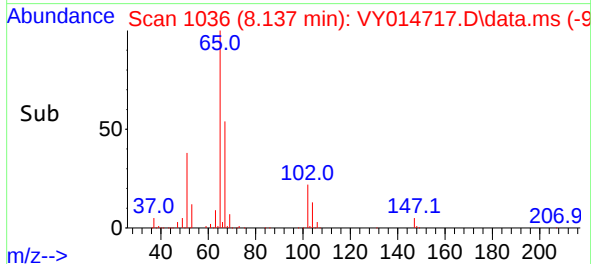
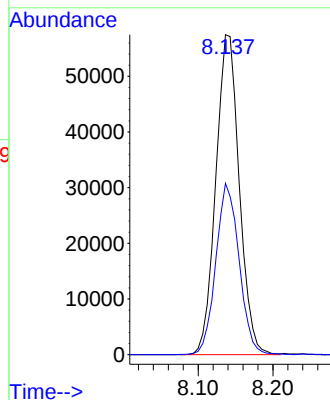
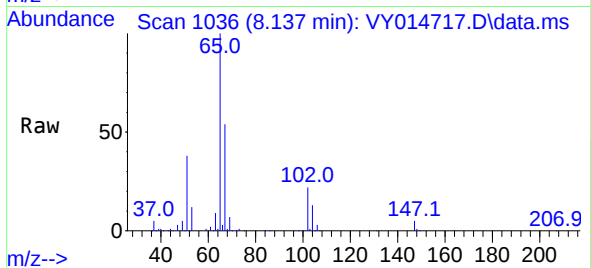
TP15

Tgt Ion: 65 Resp: 125593

Ion Ratio Lower Upper

65 100

67 53.1 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: VY014717.D

Acq: 20 Jul 2023 13:44

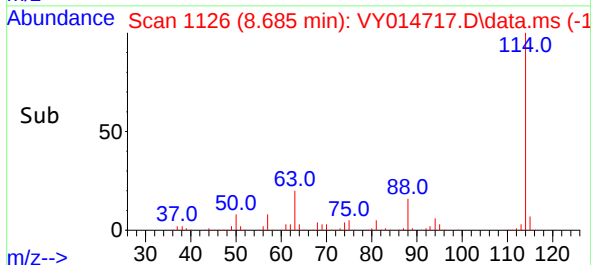
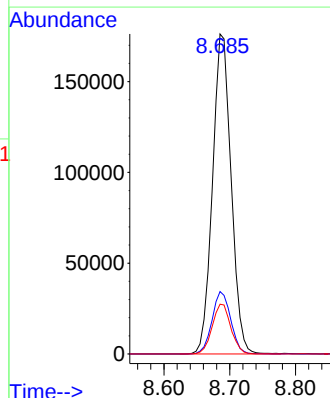
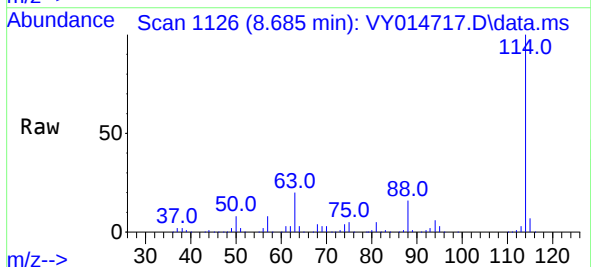
Tgt Ion: 114 Resp: 347220

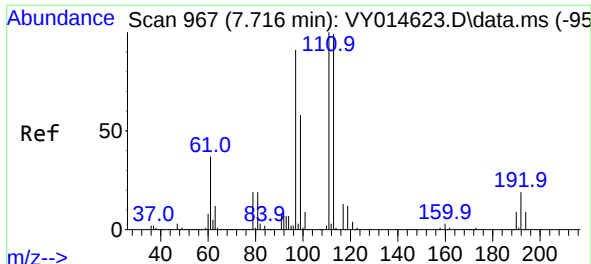
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.6 0.0 30.6

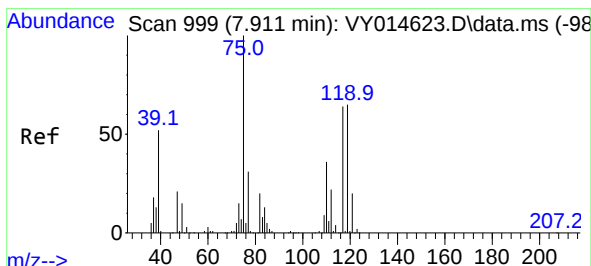
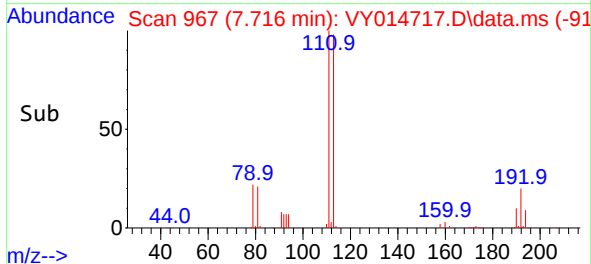
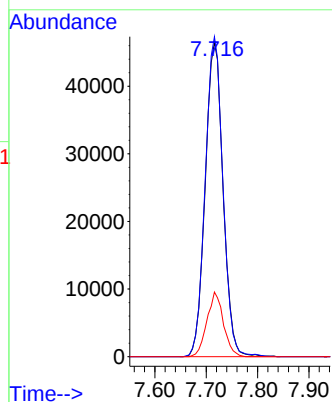
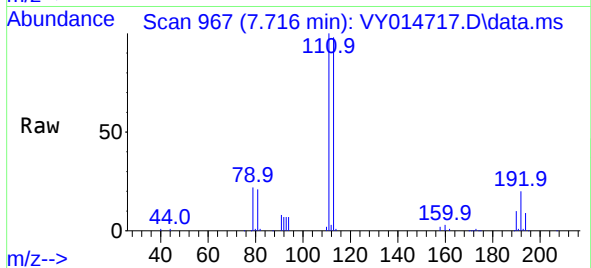




#35
Dibromofluoromethane
Concen: 50.661 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014717.D
Acq: 20 Jul 2023 13:44

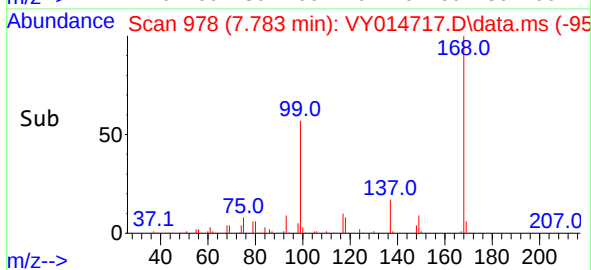
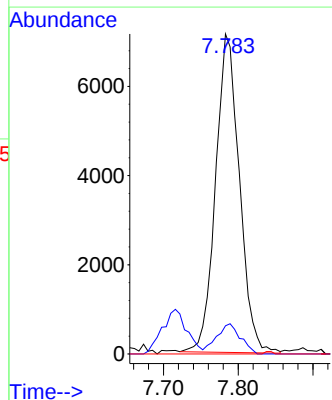
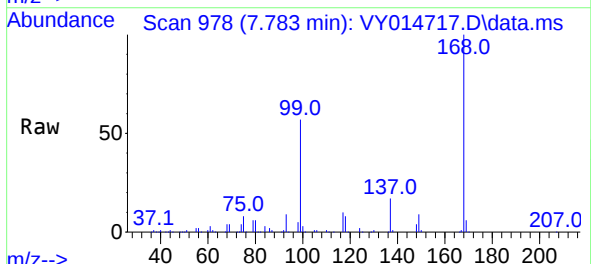
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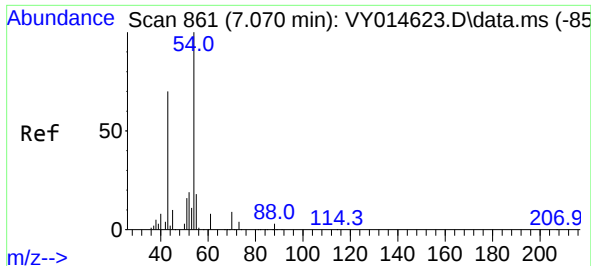
Tgt Ion:113 Resp: 111977
Ion Ratio Lower Upper
113 100
111 101.2 81.3 121.9
192 19.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.785 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014717.D
Acq: 20 Jul 2023 13:44

Tgt Ion: 75 Resp: 15818
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.859 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY014717.D

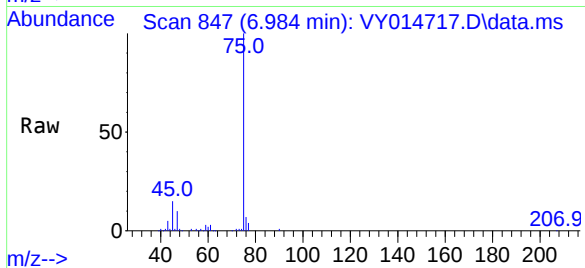
Acq: 20 Jul 2023 13:44

Instrument :

MSVOA_Y

ClientSampleId :

TP15



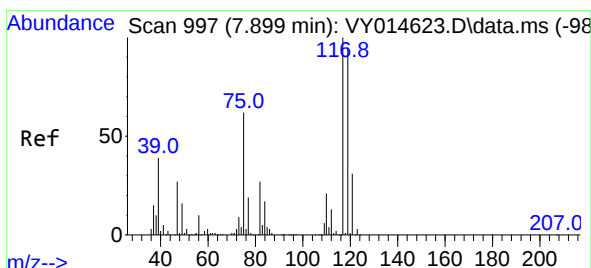
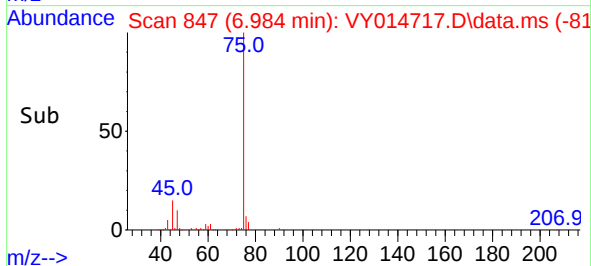
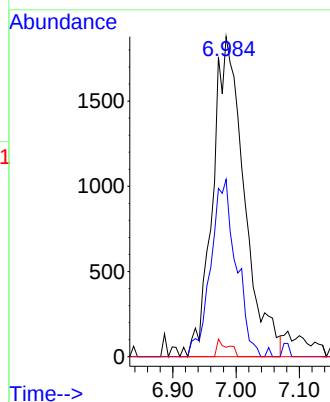
Tgt Ion: 43 Resp: 6506

Ion Ratio Lower Upper

43 100

61 44.6 10.1 15.1#

70 2.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.689 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY014717.D

Acq: 20 Jul 2023 13:44

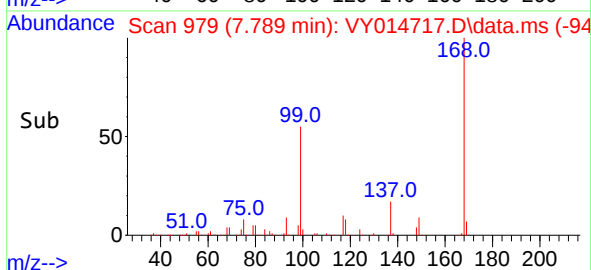
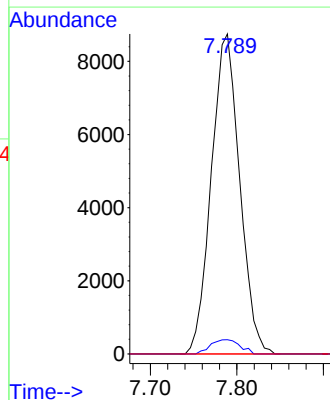
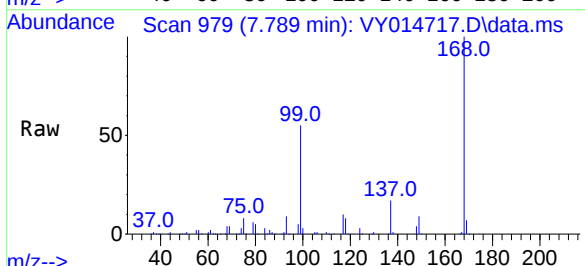
Tgt Ion: 117 Resp: 19879

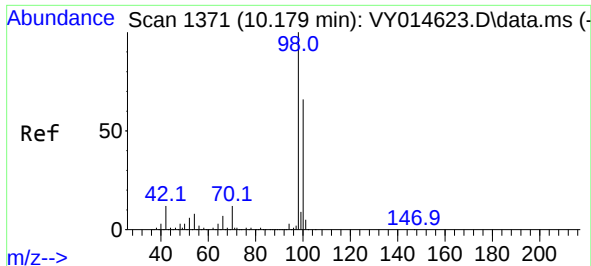
Ion Ratio Lower Upper

117 100

119 4.4 76.4 114.6#

121 0.0 25.8 38.6#

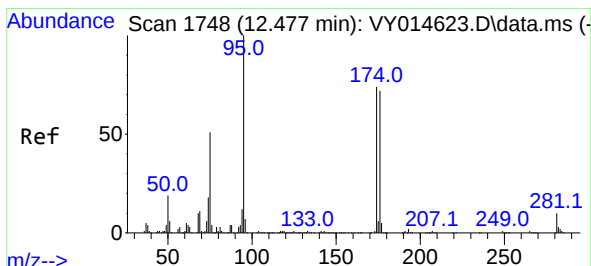
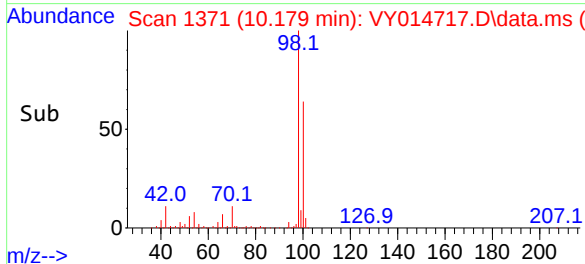
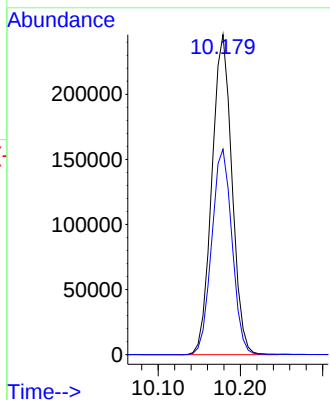
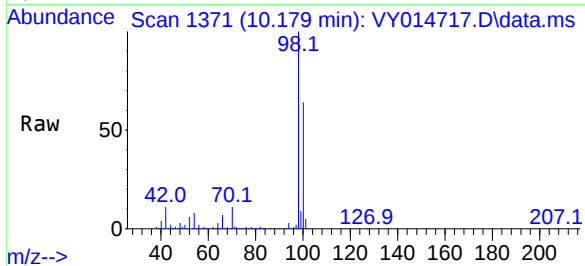




#50
Toluene-d8
Concen: 51.102 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014717.D
Acq: 20 Jul 2023 13:44

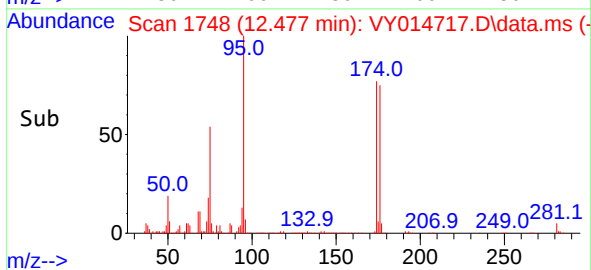
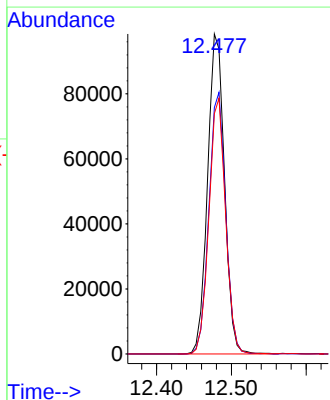
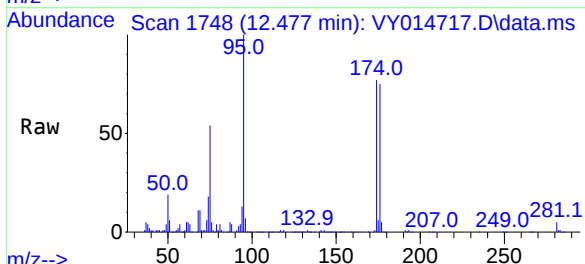
Instrument :
MSVOA_Y
ClientSampleId :
TP15

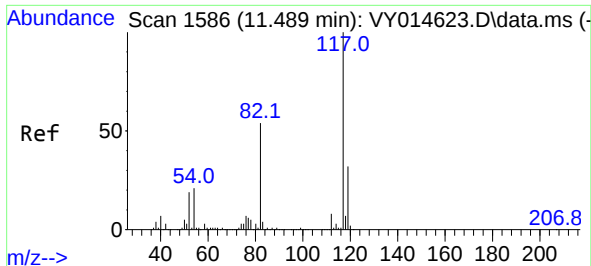
Tgt Ion: 98 Resp: 416426
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.601 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014717.D
Acq: 20 Jul 2023 13:44

Tgt Ion: 95 Resp: 154984
Ion Ratio Lower Upper
95 100
174 81.3 0.0 178.2
176 78.7 0.0 173.8

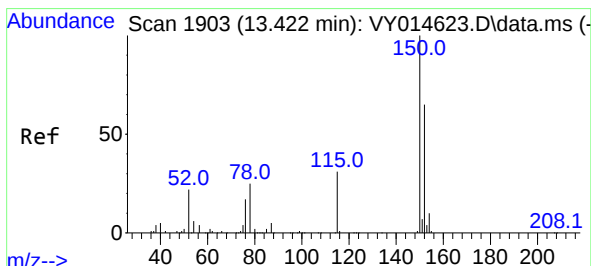
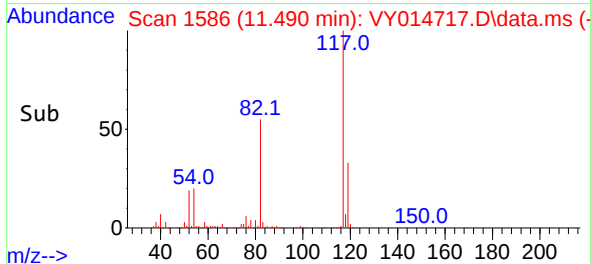
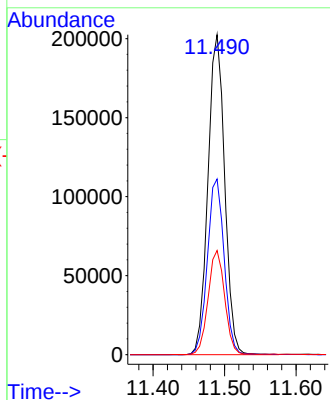
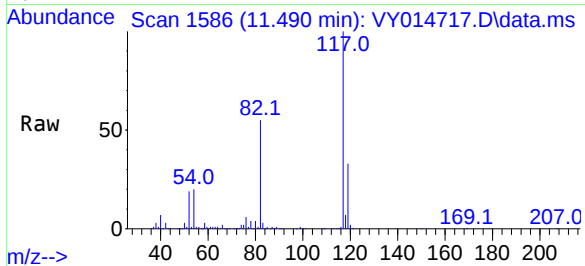




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY014717.D
Acq: 20 Jul 2023 13:44

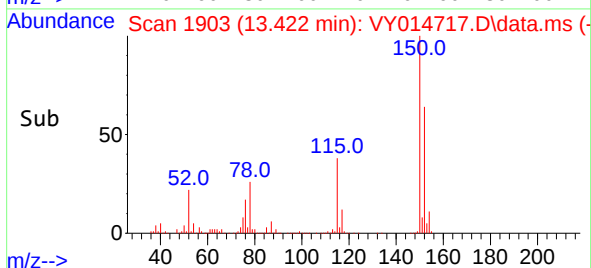
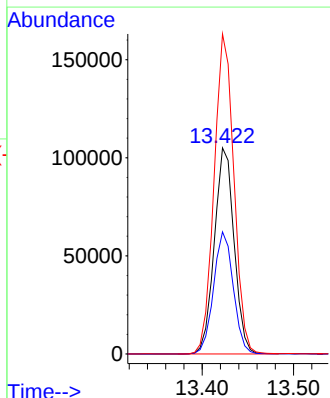
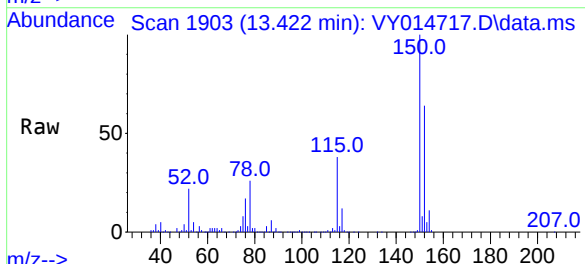
Instrument :
MSVOA_Y
ClientSampleId :
TP15

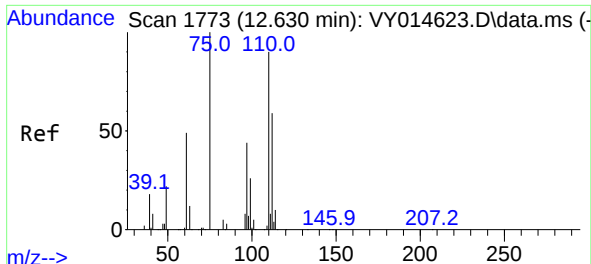
Tgt Ion:117 Resp: 329189
Ion Ratio Lower Upper
117 100
82 54.9 43.4 65.0
119 32.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014717.D
Acq: 20 Jul 2023 13:44

Tgt Ion:152 Resp: 157971
Ion Ratio Lower Upper
152 100
115 59.1 28.8 86.5
150 155.6 0.0 348.8

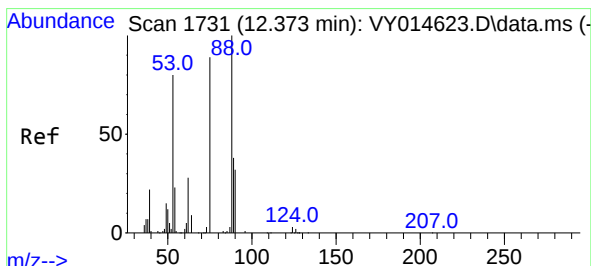
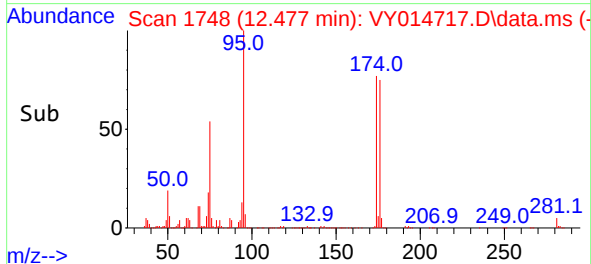
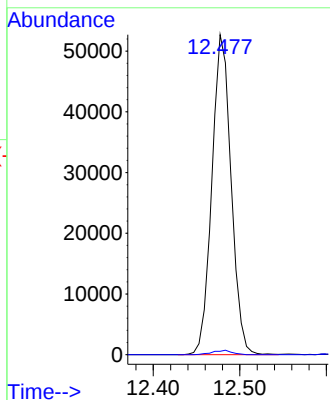
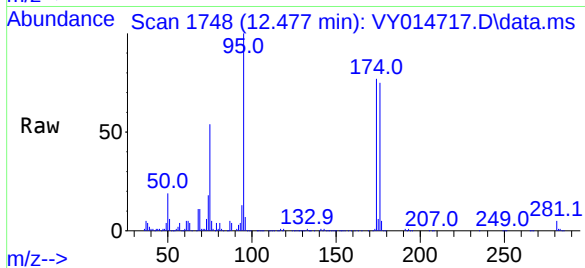




#76
1,2,3-Trichloropropane
Concen: 40.752 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY014717.D
Acq: 20 Jul 2023 13:44

Instrument :
MSVOA_Y
ClientSampleId :
TP15

Tgt Ion: 75 Resp: 81305
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.903 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014717.D
Acq: 20 Jul 2023 13:44

Tgt Ion: 75 Resp: 81305
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

