

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072623\
 Data File : VY014866.D
 Acq On : 26 Jul 2023 21:46
 Operator : SY/MD
 Sample : 03777-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 27 01:15:01 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)

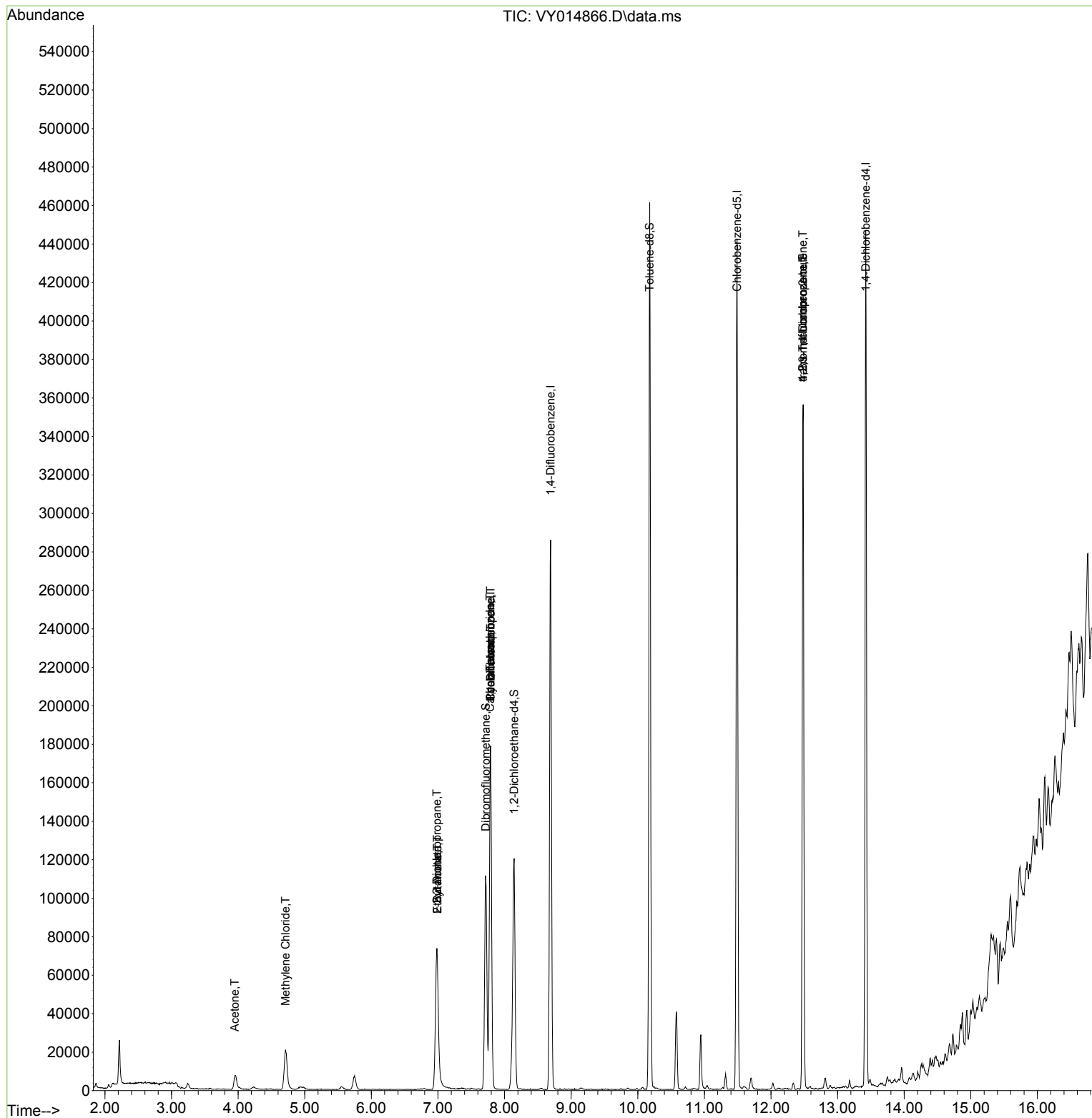
Internal Standards						
1) Pentafluorobenzene	7.789	168	139407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	246330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	235895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	110882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	88459	55.684	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.360%	
35) Dibromofluoromethane	7.716	113	78858	50.290	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.580%	
50) Toluene-d8	10.179	98	294783	50.990	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.980%	
62) 4-Bromofluorobenzene	12.477	95	107653	48.564	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	1815	Below Cal	#	89
16) Acetone	3.948	43	14750	29.300	ug/l	99
20) Methylene Chloride	4.710	84	15728	5.892	ug/l	94
25) 2-Butanone	6.990	43	5847	7.939	ug/l #	90
26) 2,2-Dichloropropane	6.984	77	5476	2.026	ug/l #	54
31) Cyclohexane	7.789	56	3306	1.254	ug/l #	21
36) 1,1-Dichloropropene	7.789	75	11101	4.734	ug/l #	49
37) Ethyl Acetate	6.990	43	5847	3.621	ug/l #	29
38) Carbon Tetrachloride	7.783	117	14231	5.741	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	57641	41.160	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57641	79.693	ug/l #	11

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

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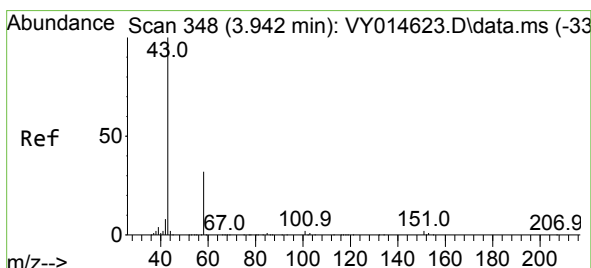
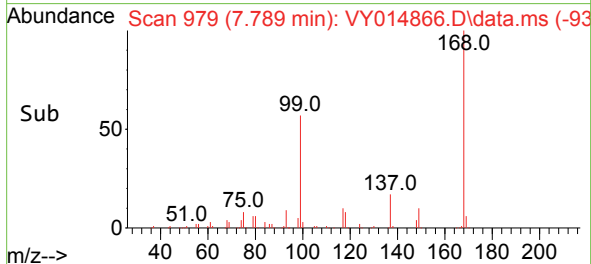
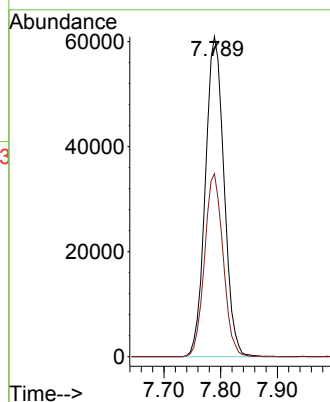
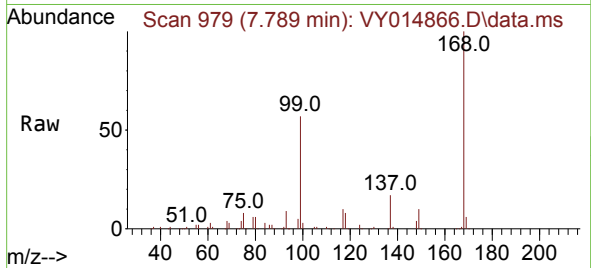




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014866.D
Acq: 26 Jul 2023 21:46

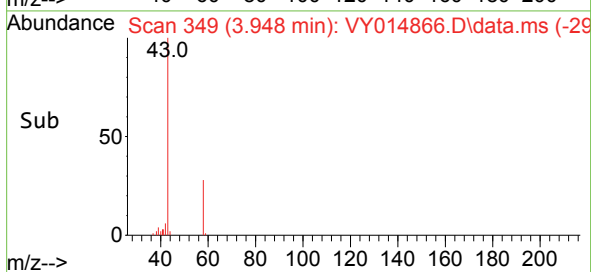
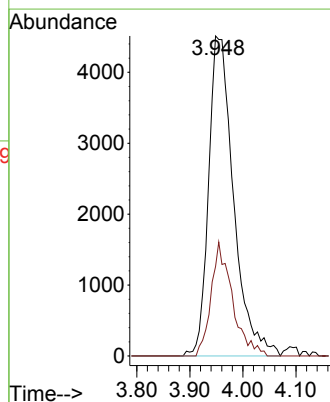
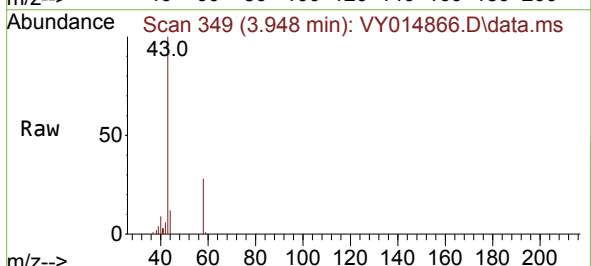
Instrument :
MSVOA_Y
ClientSampleId :

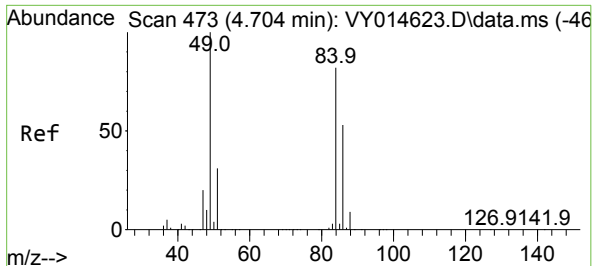
Tgt Ion:168 Resp: 139407
Ion Ratio Lower Upper
168 100
99 57.2 43.4 65.0



#16
Acetone
Concen: 29.300 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY014866.D
Acq: 26 Jul 2023 21:46

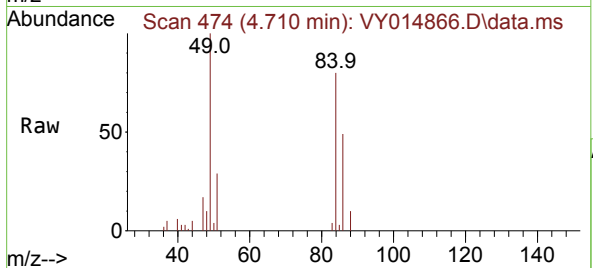
Tgt Ion: 43 Resp: 14750
Ion Ratio Lower Upper
43 100
58 28.0 22.7 34.1



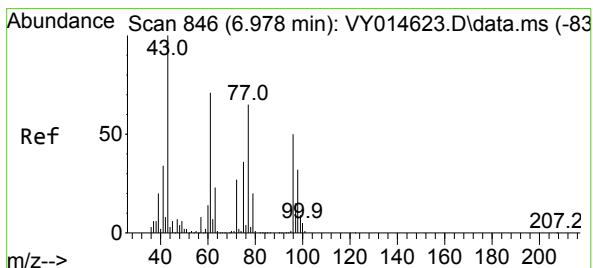
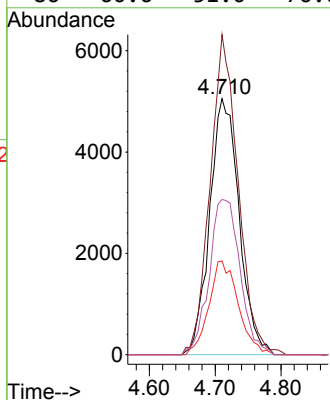
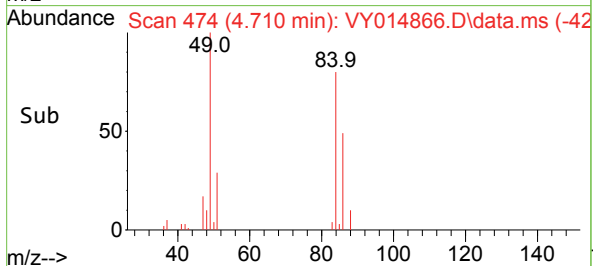


#20
Methylene Chloride
Concen: 5.892 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014866.D
Acq: 26 Jul 2023 21:46

Instrument :
MSVOA_Y
ClientSampleId :

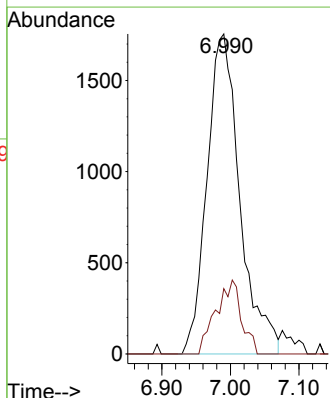
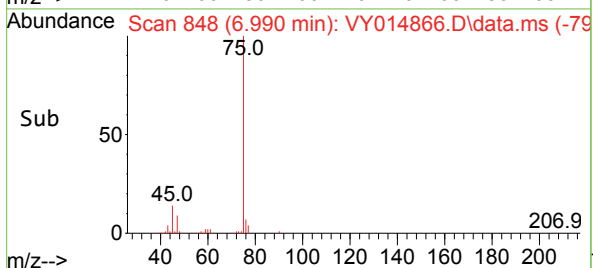
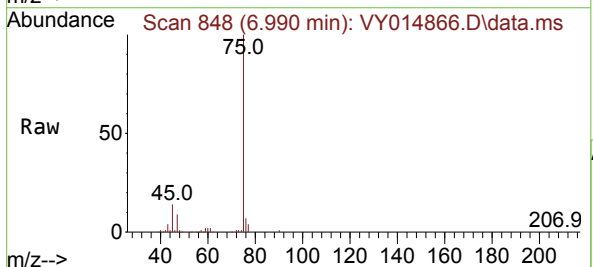


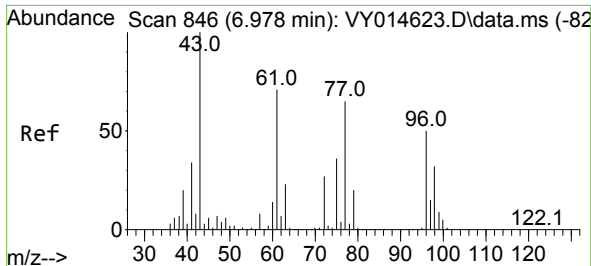
Tgt Ion:	84	Resp:	15728
Ion	Ratio	Lower	Upper
84	100		
49	125.0	106.9	160.3
51	36.6	33.2	49.8
86	60.6	51.0	76.6



#25
2-Butanone
Concen: 7.939 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY014866.D
Acq: 26 Jul 2023 21:46

Tgt Ion:	43	Resp:	5847
Ion	Ratio	Lower	Upper
43	100		
72	20.4	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 2.026 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY014866.D

Acq: 26 Jul 2023 21:46

Instrument :

MSVOA_Y

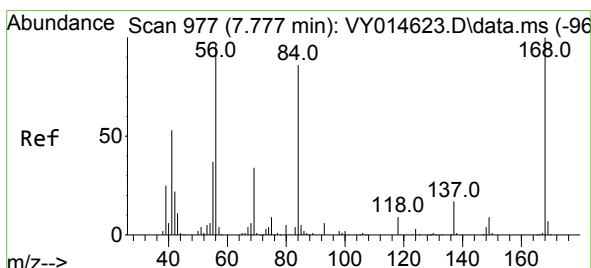
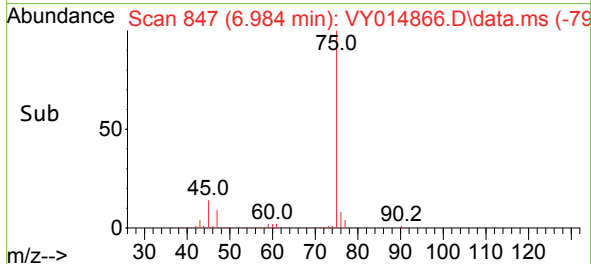
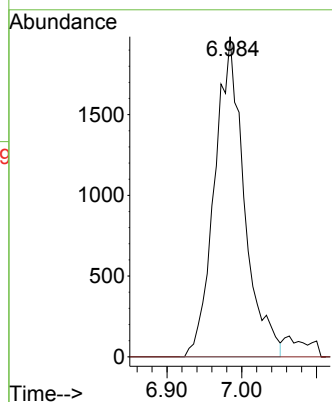
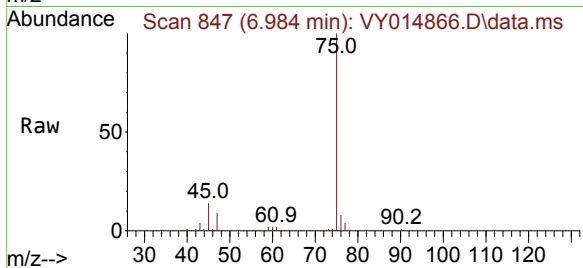
ClientSampleId :

Tgt Ion: 77 Resp: 5476

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.254 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY014866.D

Acq: 26 Jul 2023 21:46

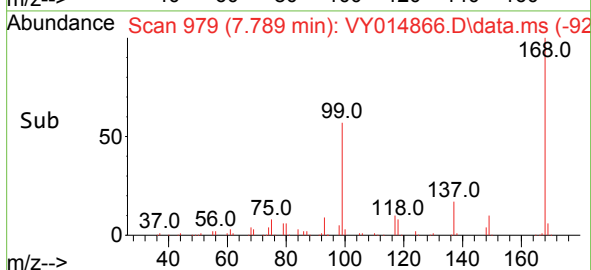
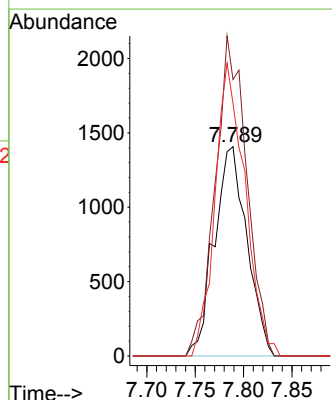
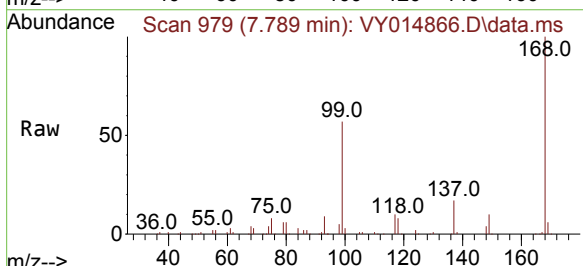
Tgt Ion: 56 Resp: 3306

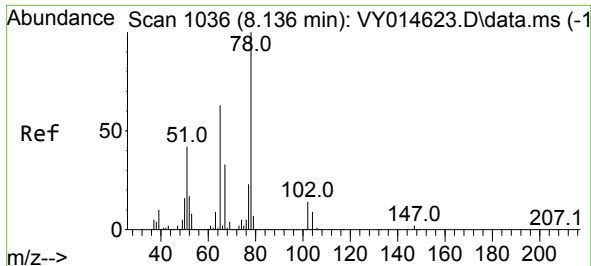
Ion Ratio Lower Upper

56 100

69 132.1 27.8 41.6#

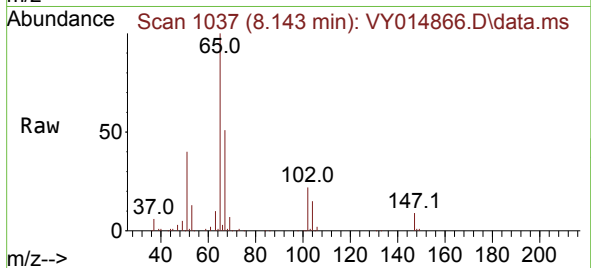
84 120.8 66.4 99.6#



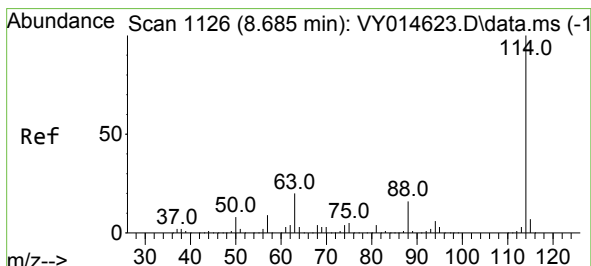
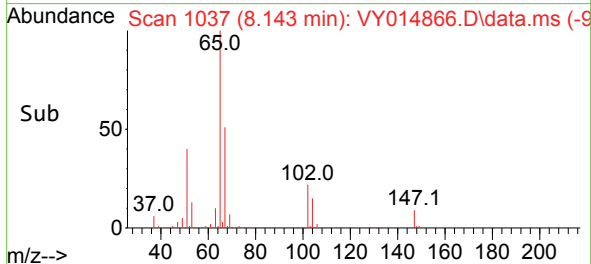
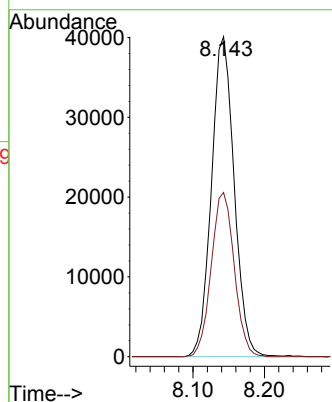


#33
 1,2-Dichloroethane-d4
 Concen: 55.684 ug/l
 RT: 8.143 min Scan# 1036
 Delta R.T. 0.007 min
 Lab File: VY014866.D
 Acq: 26 Jul 2023 21:46

Instrument :
 MSVOA_Y
 ClientSampleId :

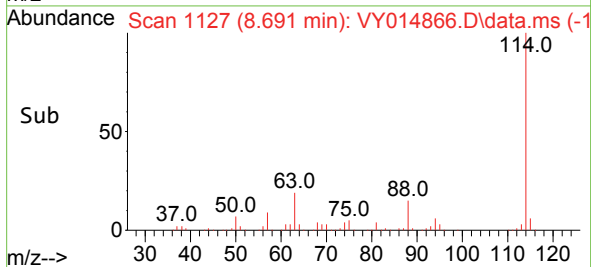
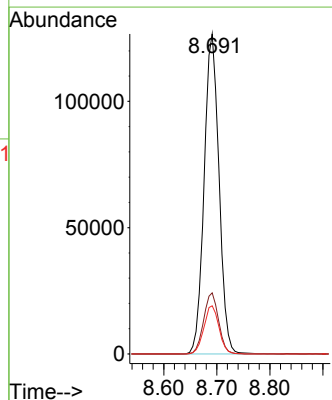
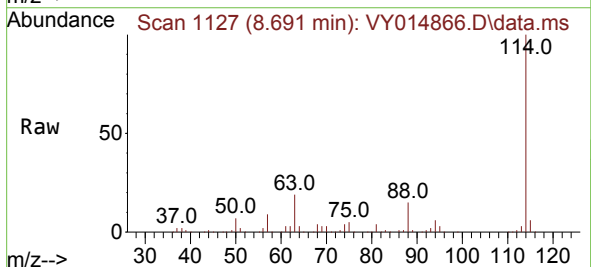


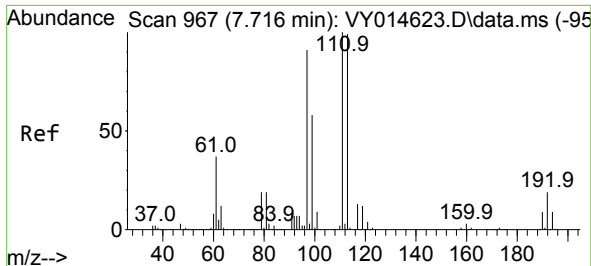
Tgt Ion: 65 Resp: 88459
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY014866.D
 Acq: 26 Jul 2023 21:46

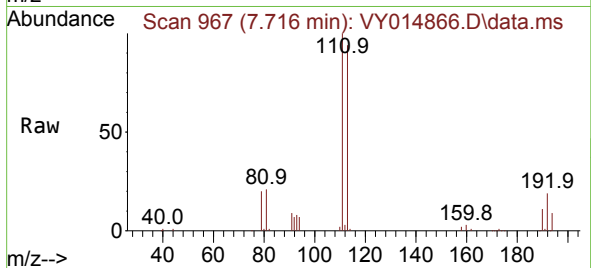
Tgt Ion: 114 Resp: 246330
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.4
 88 15.0 0.0 30.6



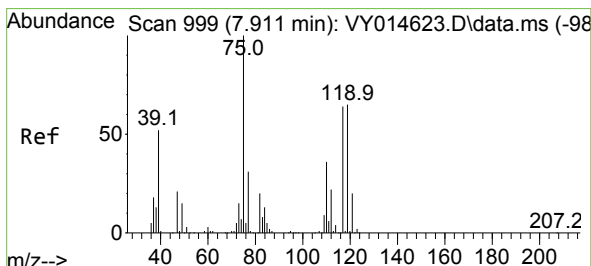
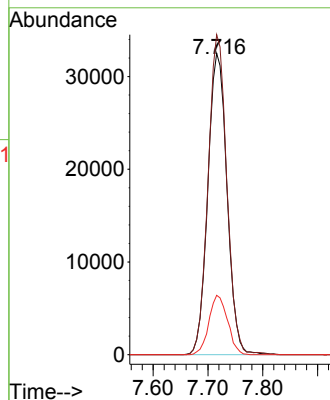
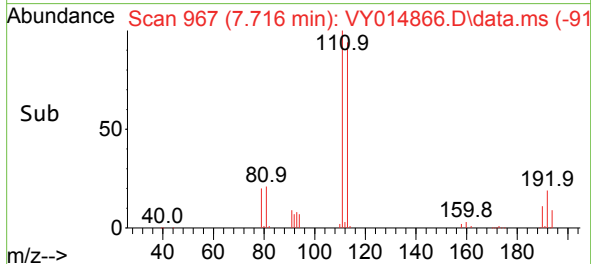


#35
Dibromofluoromethane
Concen: 50.290 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY014866.D
Acq: 26 Jul 2023 21:46

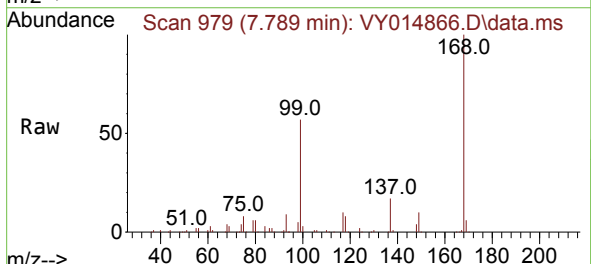
Instrument :
MSVOA_Y
ClientSampleId :



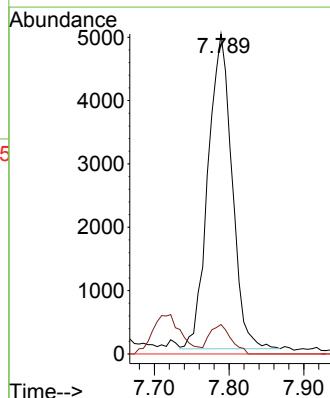
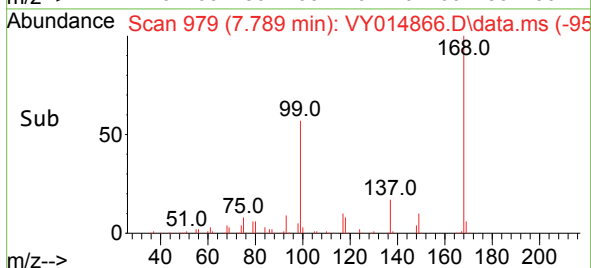
Tgt Ion:113 Resp: 78858
Ion Ratio Lower Upper
113 100
111 103.7 81.3 121.9
192 19.2 16.9 25.3

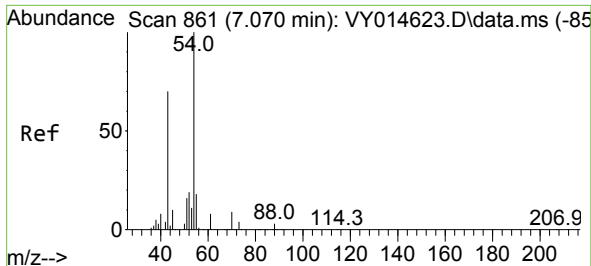


#36
1,1-Dichloropropene
Concen: 4.734 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014866.D
Acq: 26 Jul 2023 21:46



Tgt Ion: 75 Resp: 11101
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.621 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.080 min

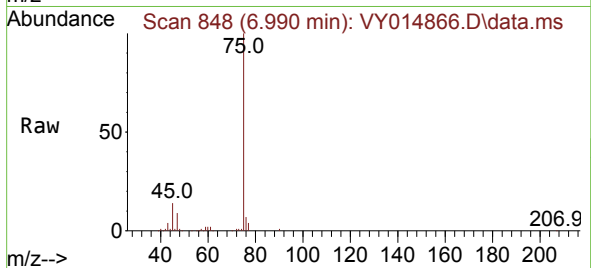
Lab File: VY014866.D

Acq: 26 Jul 2023 21:46

Instrument :

MSVOA_Y

ClientSampleId :



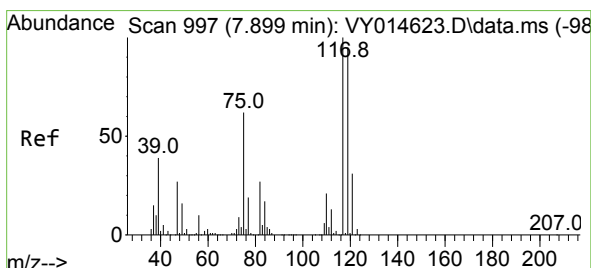
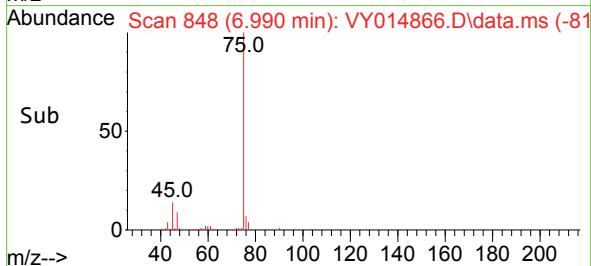
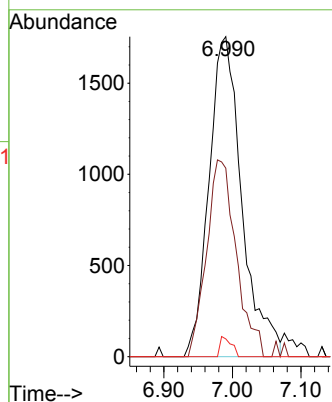
Tgt Ion: 43 Resp: 5847

Ion Ratio Lower Upper

43 100

61 55.4 10.1 15.1#

70 2.1 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.741 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY014866.D

Acq: 26 Jul 2023 21:46

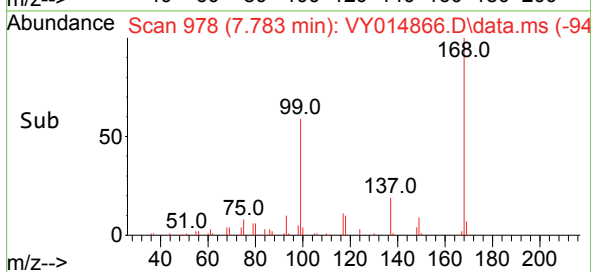
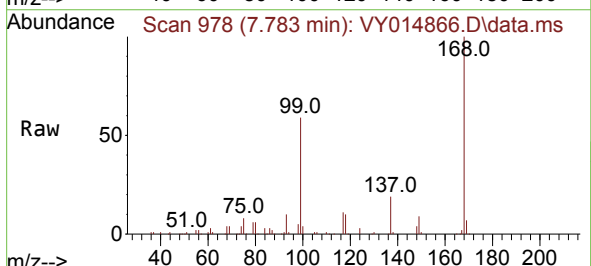
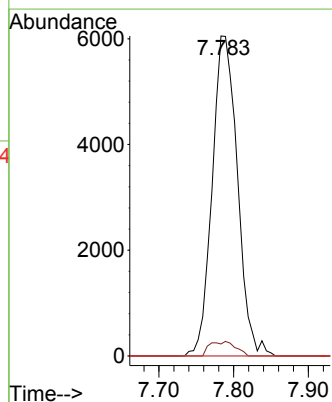
Tgt Ion: 117 Resp: 14231

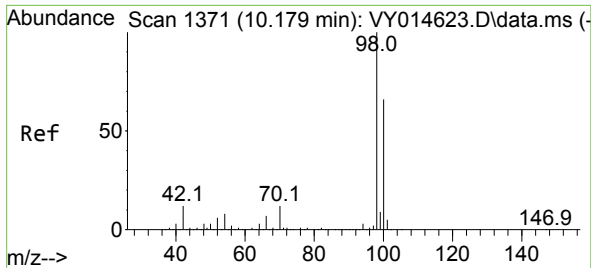
Ion Ratio Lower Upper

117 100

119 3.8 76.4 114.6#

121 0.0 25.8 38.6#

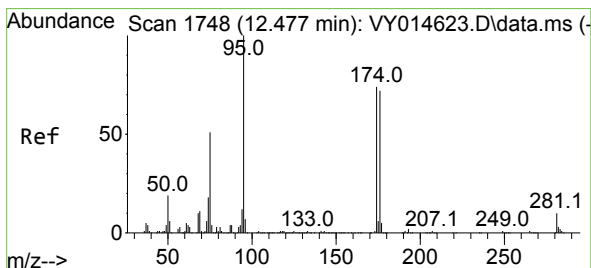
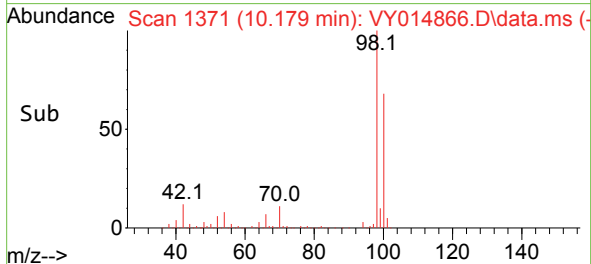
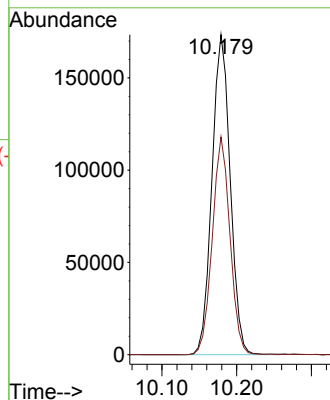
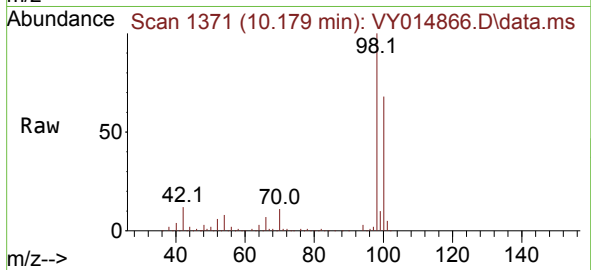




#50
Toluene-d8
Concen: 50.990 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014866.D
Acq: 26 Jul 2023 21:46

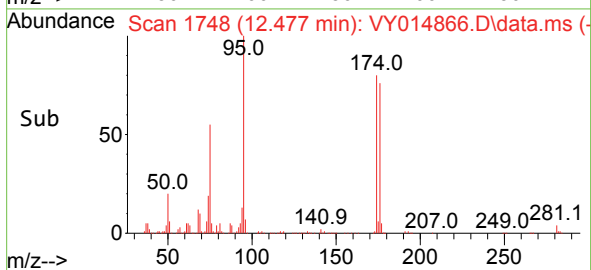
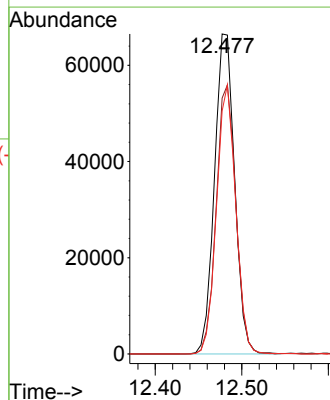
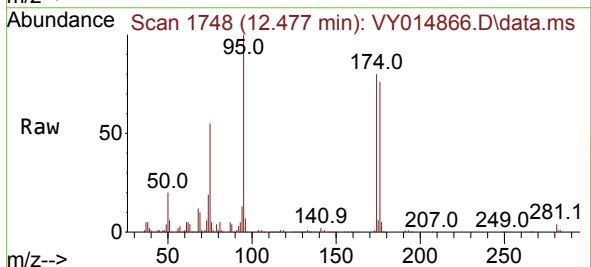
Instrument :
MSVOA_Y
ClientSampleId :

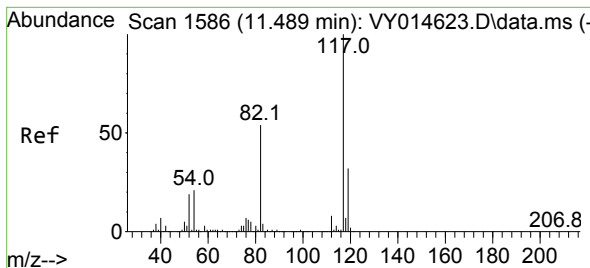
Tgt Ion: 98 Resp: 294783
Ion Ratio Lower Upper
98 100
100 66.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.564 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014866.D
Acq: 26 Jul 2023 21:46

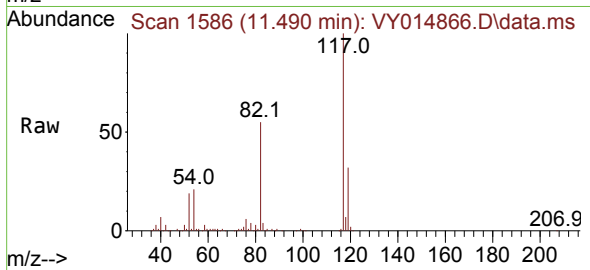
Tgt Ion: 95 Resp: 107653
Ion Ratio Lower Upper
95 100
174 81.9 0.0 178.2
176 80.0 0.0 173.8



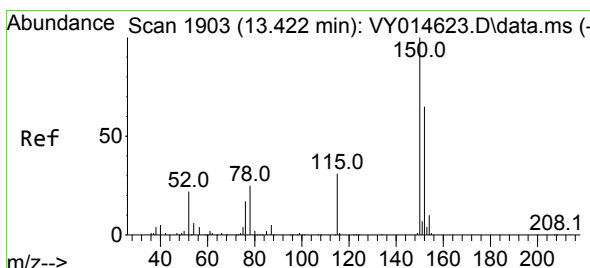
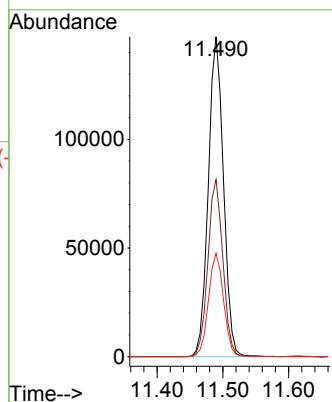
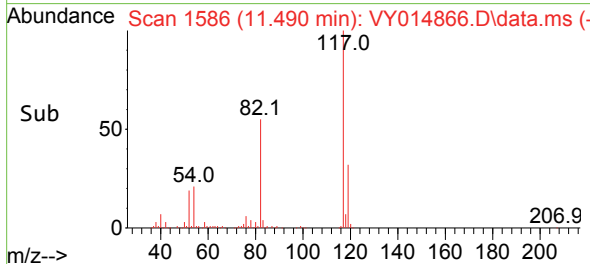


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014866.D
Acq: 26 Jul 2023 21:46

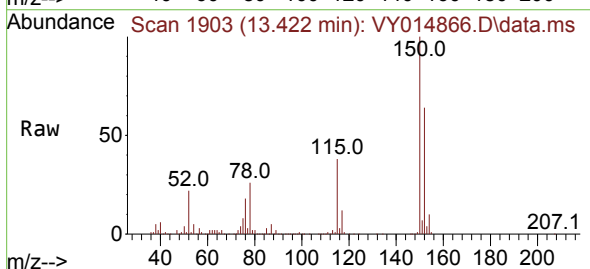
Instrument :
MSVOA_Y
ClientSampleId :



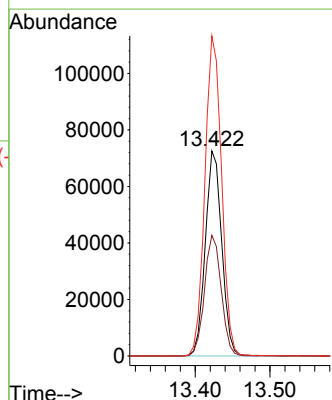
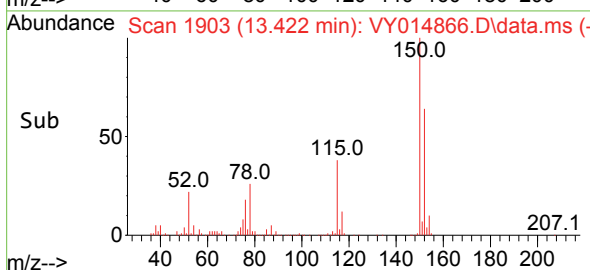
Tgt Ion:117 Resp: 235895
Ion Ratio Lower Upper
117 100
82 55.3 43.4 65.0
119 32.3 26.3 39.5

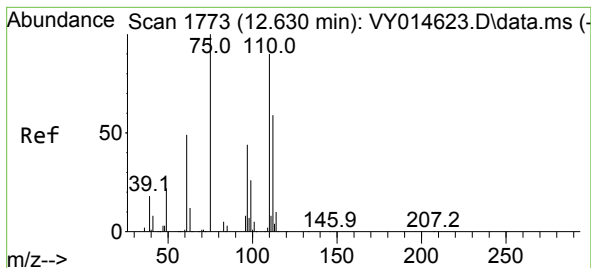


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014866.D
Acq: 26 Jul 2023 21:46



Tgt Ion:152 Resp: 110882
Ion Ratio Lower Upper
152 100
115 59.7 28.8 86.5
150 157.8 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 41.160 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014866.D

Acq: 26 Jul 2023 21:46

Instrument :

MSVOA_Y

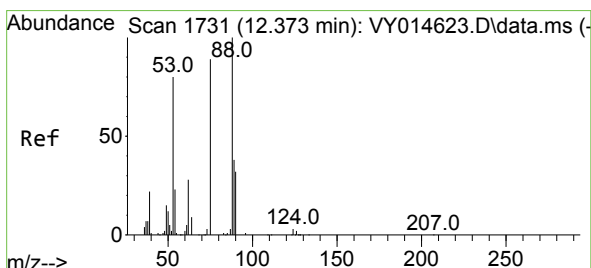
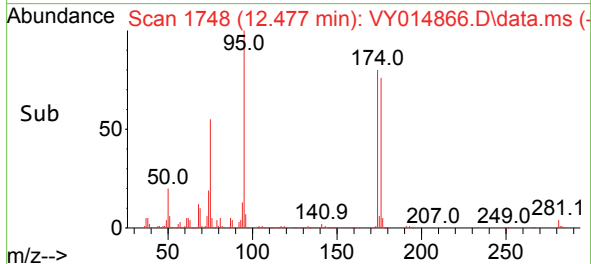
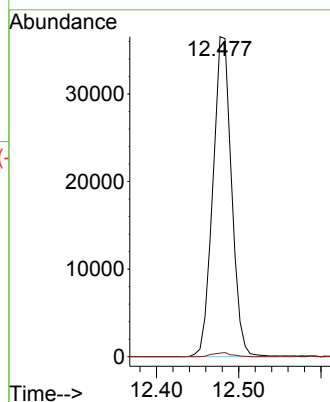
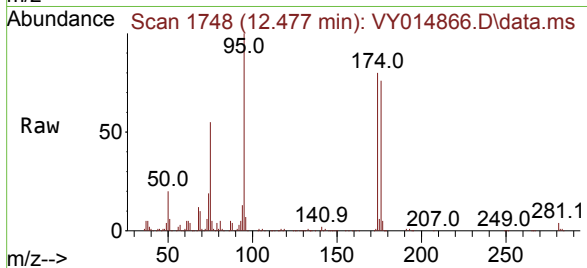
ClientSampleId :

Tgt Ion: 75 Resp: 57641

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.693 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY014866.D

Acq: 26 Jul 2023 21:46

Tgt Ion: 75 Resp: 57641

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.1 37.4 56.0#

