

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021523\
 Data File : VY012617.D
 Acq On : 15 Feb 2023 16:25
 Operator : KP/MD
 Sample : 01572-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 16 00:58:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

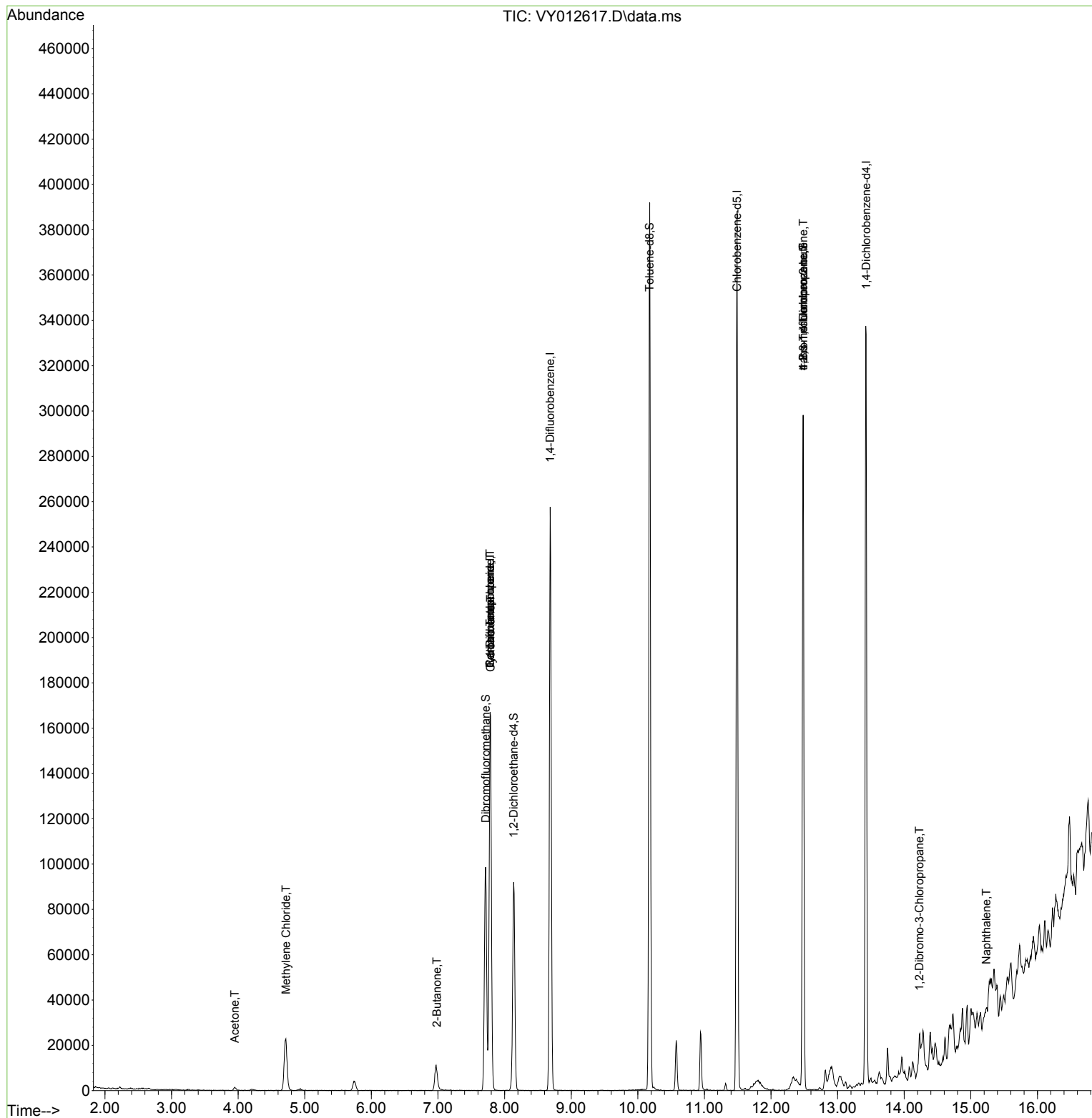
Internal Standards						
1) Pentafluorobenzene	7.783	168	137607	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	229131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	217113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	77987	44.568	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.140%		
35) Dibromofluoromethane	7.716	113	68235	40.892	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.780%		
50) Toluene-d8	10.179	98	268312	38.631	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.260%		
62) 4-Bromofluorobenzene	12.483	95	85050	35.107	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	70.220%		
Target Compounds						
5) Bromomethane	2.656	94	76	Below Cal	Qvalue	90
11) Tert butyl alcohol	4.942	59	619	Below Cal	#	75
16) Acetone	3.948	43	2257	5.359	ug/l	96
20) Methylene Chloride	4.716	84	19316	8.803	ug/l	94
25) 2-Butanone	6.984	43	577	1.235	ug/l #	40
31) Cyclohexane	7.789	56	2377	1.175	ug/l #	52
36) 1,1-Dichloropropene	7.783	75	9036	4.001	ug/l #	49
38) Carbon Tetrachloride	7.783	117	13003	4.289	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	44720	41.985	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44720	94.679	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.227	75	644	2.595	ug/l #	1
95) Naphthalene	15.233	128	6445	1.619	ug/l #	95

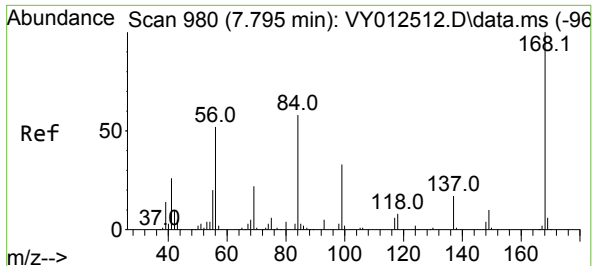
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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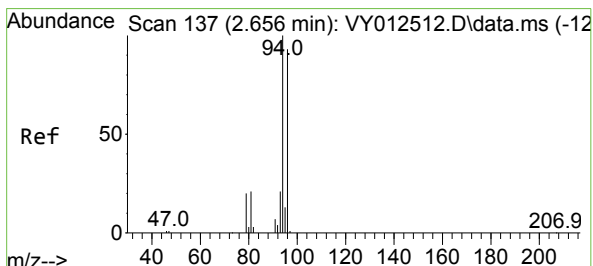
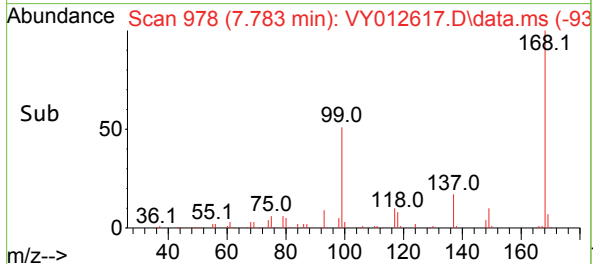
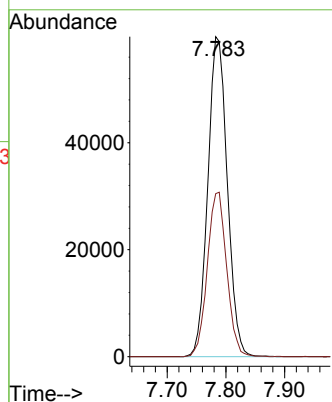
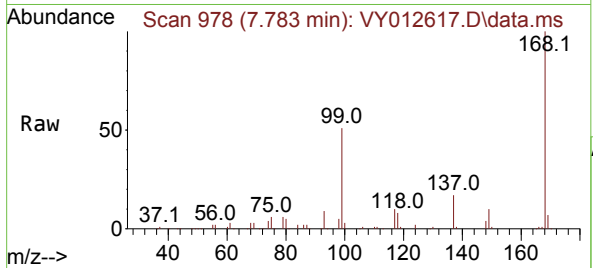




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

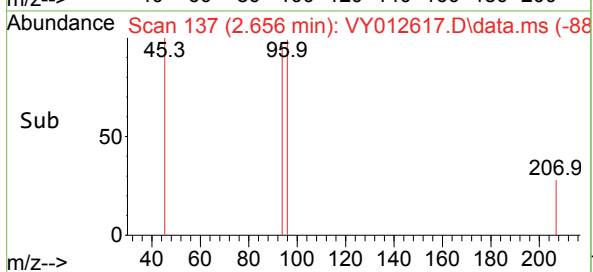
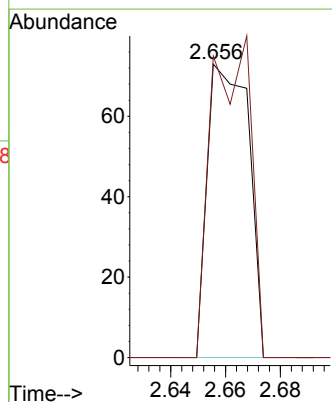
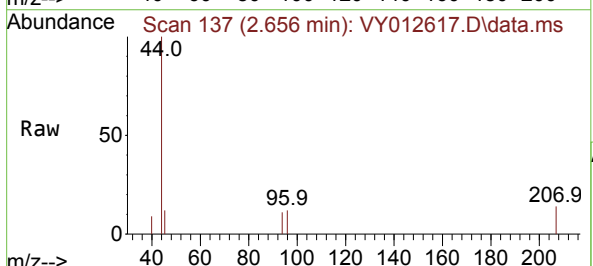
Instrument :
MSVOA_Y
ClientSampleId :

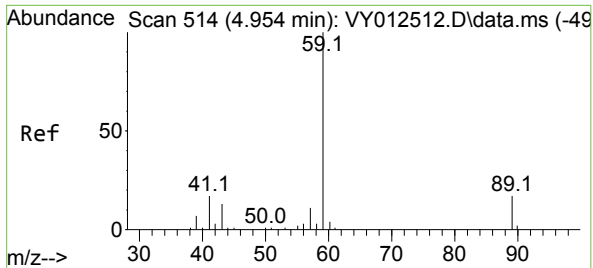
Tgt Ion:168 Resp: 137607
Ion Ratio Lower Upper
168 100
99 51.0 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. -0.000 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 94 Resp: 76
Ion Ratio Lower Upper
94 100
96 102.7 74.7 112.1

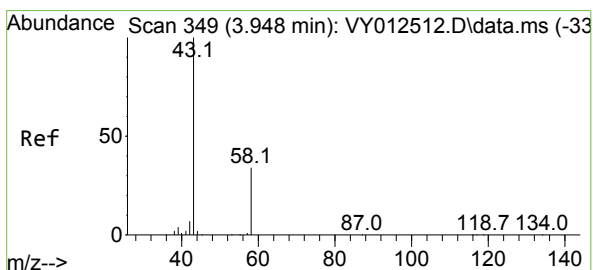
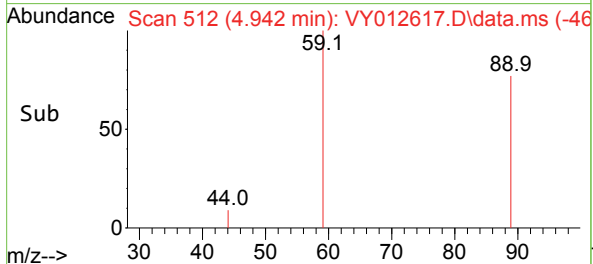
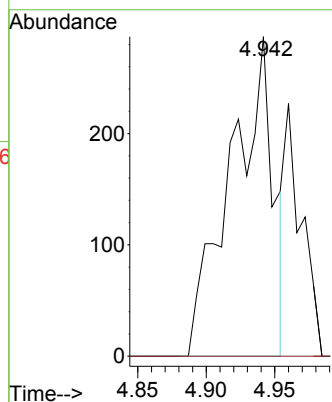
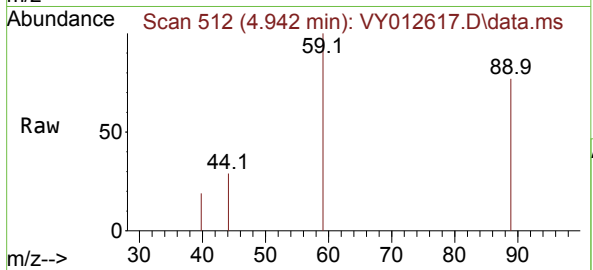




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

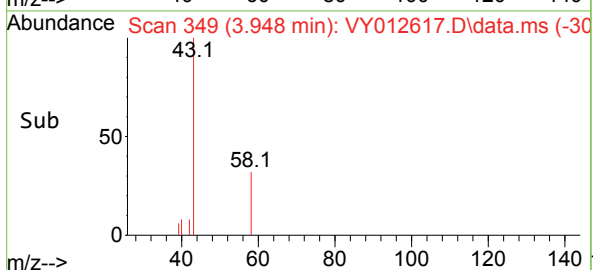
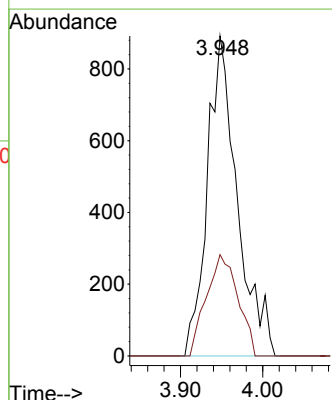
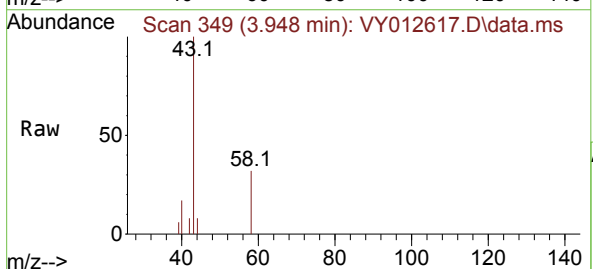
Instrument :
MSVOA_Y
ClientSampleId :

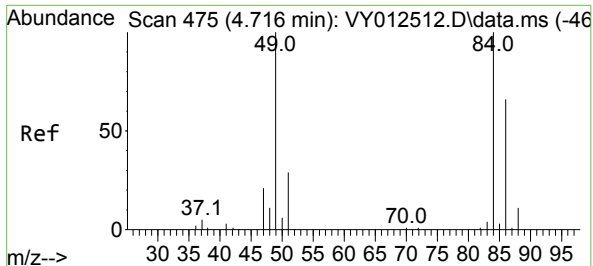
Tgt Ion: 59 Resp: 619
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 5.359 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

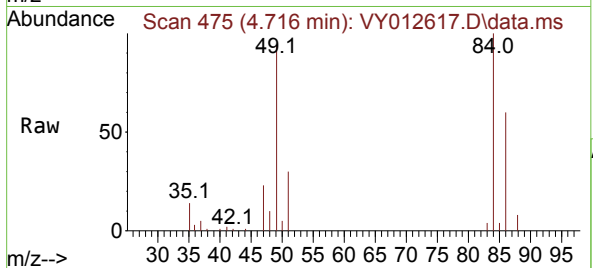
Tgt Ion: 43 Resp: 2257
Ion Ratio Lower Upper
43 100
58 31.6 27.1 40.7



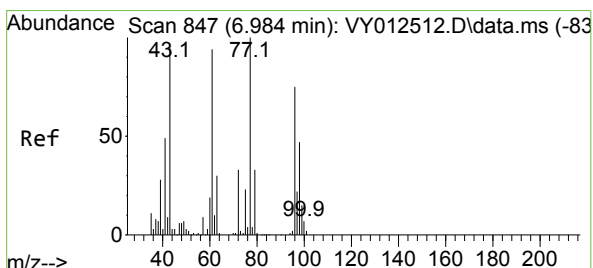
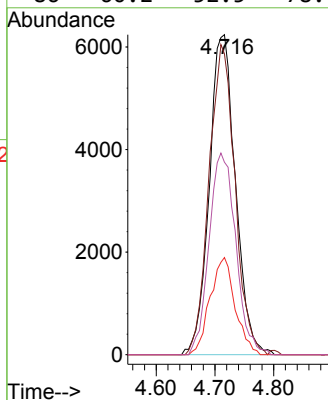
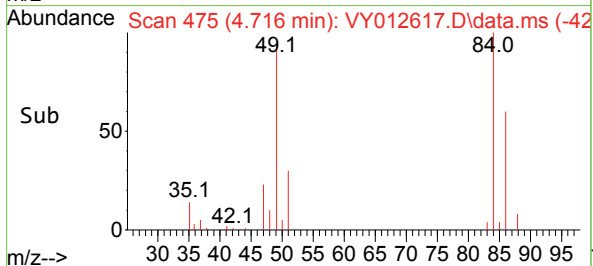


#20
Methylene Chloride
Concen: 8.803 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

Instrument :
MSVOA_Y
ClientSampleId :

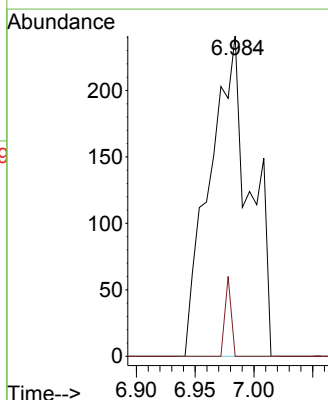
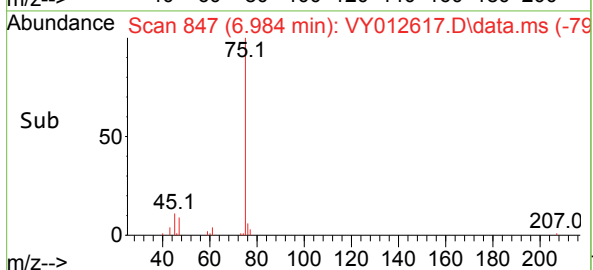
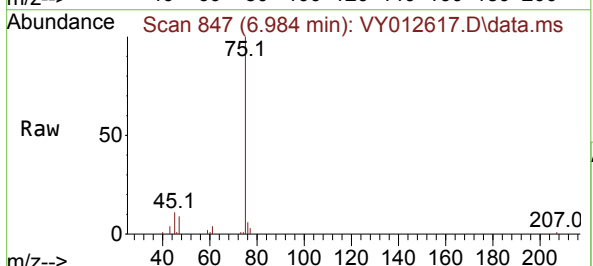


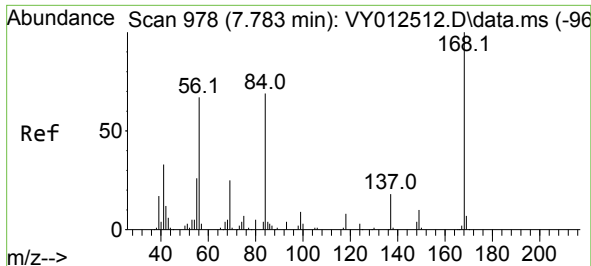
Tgt Ion:	84	Resp:	19316
Ion	Ratio	Lower	Upper
84	100		
49	94.0	79.8	119.6
51	30.3	23.4	35.2
86	60.2	52.5	78.7



#25
2-Butanone
Concen: 1.235 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

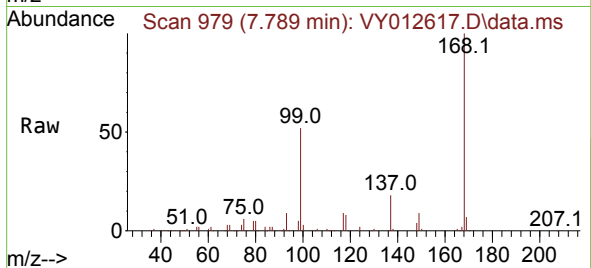
Tgt Ion:	43	Resp:	577
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.4	41.2#



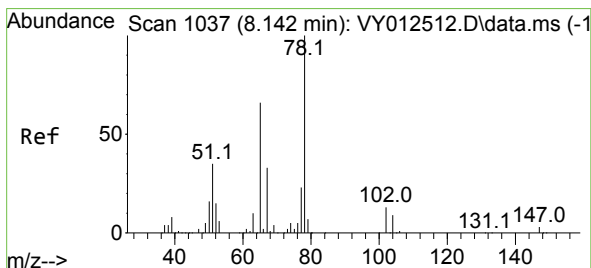
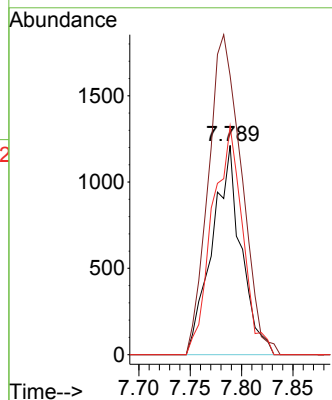
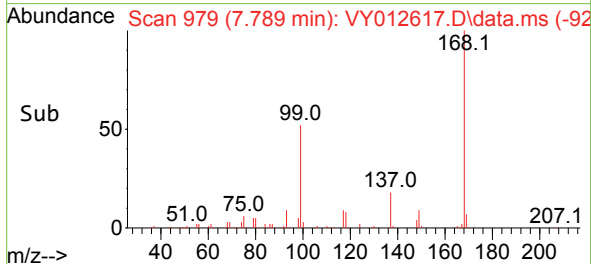


#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

Instrument :
MSVOA_Y
ClientSampleId :

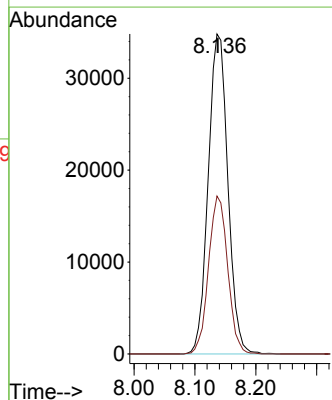
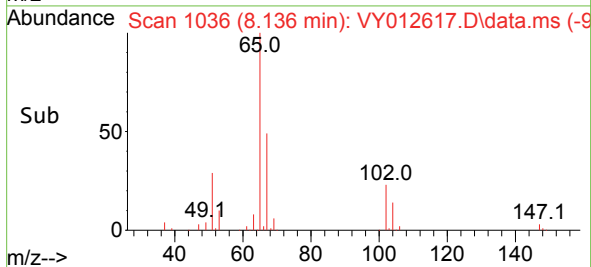
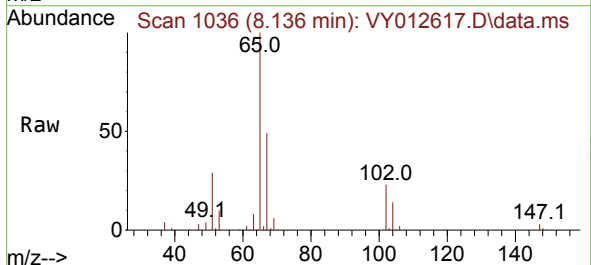


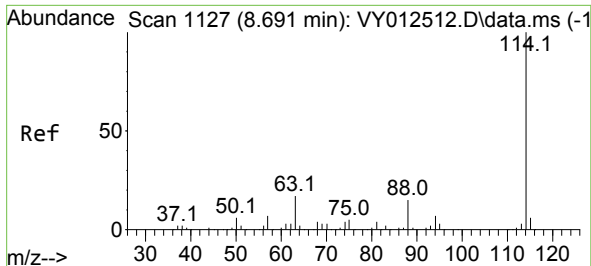
Tgt Ion: 56 Resp: 2377
Ion Ratio Lower Upper
56 100
69 133.4 29.5 44.3#
84 109.3 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 44.568 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 65 Resp: 77987
Ion Ratio Lower Upper
65 100
67 48.2 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012617.D

Acq: 15 Feb 2023 16:25

Instrument :

MSVOA_Y

ClientSampleId :

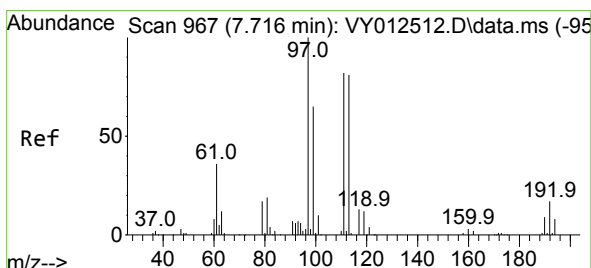
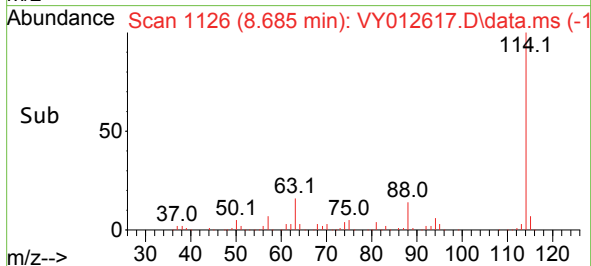
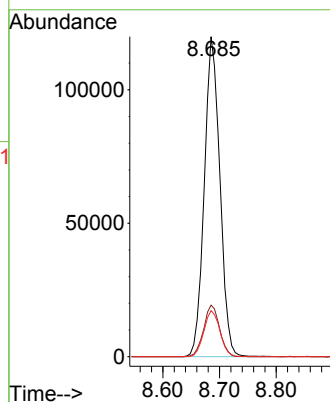
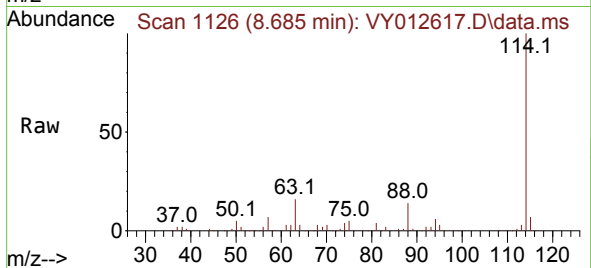
Tgt Ion:114 Resp: 229131

Ion Ratio Lower Upper

114 100

63 16.1 0.0 33.6

88 14.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.892 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012617.D

Acq: 15 Feb 2023 16:25

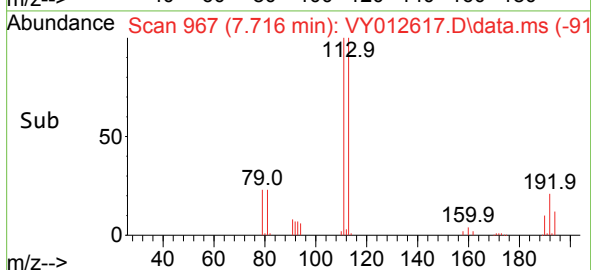
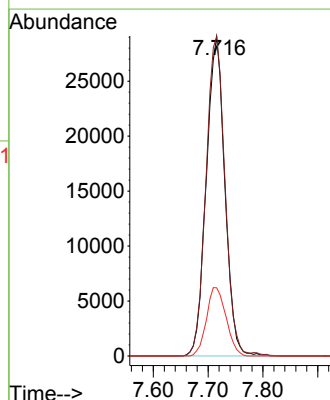
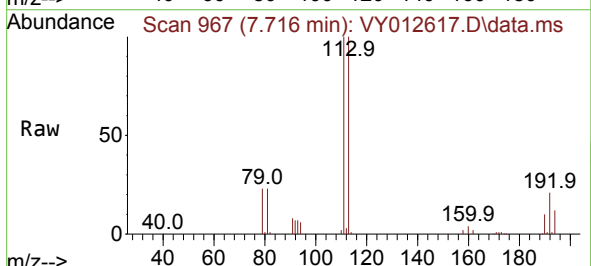
Tgt Ion:113 Resp: 68235

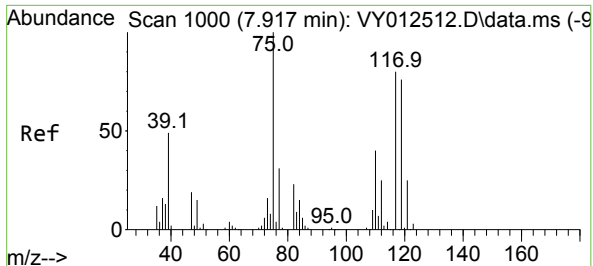
Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

192 22.6 17.5 26.3

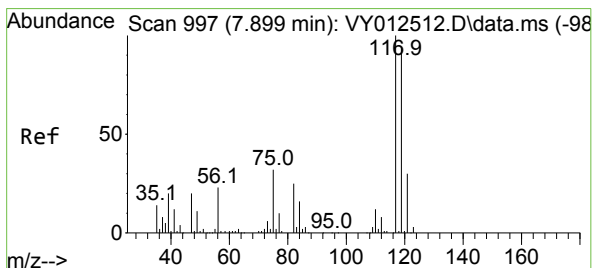
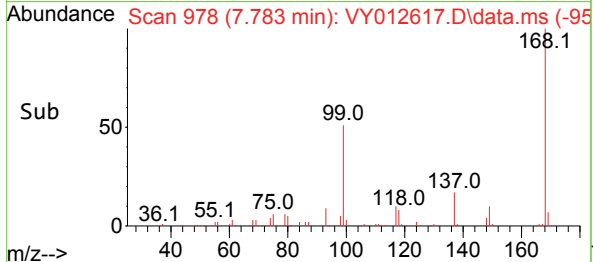
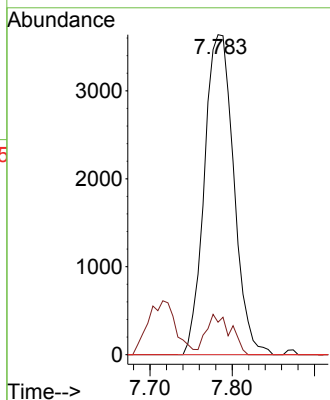
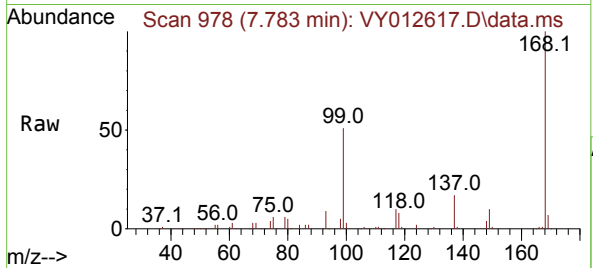




#36
1,1-Dichloropropene
Concen: 4.001 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

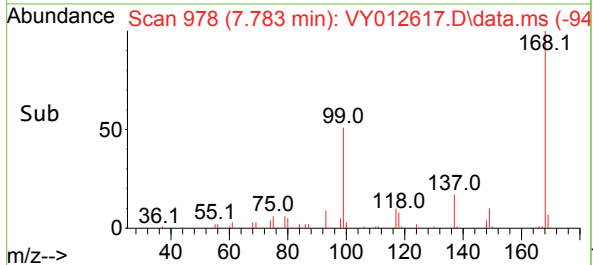
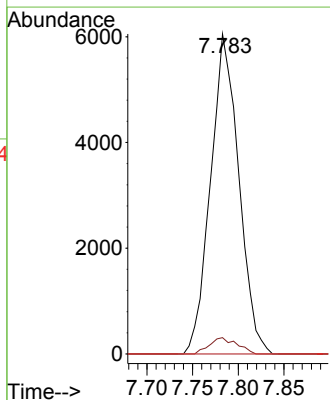
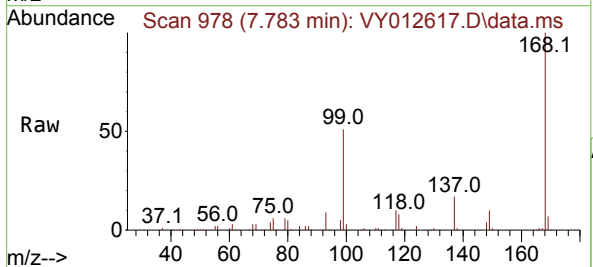
Instrument :
MSVOA_Y
ClientSampleId :

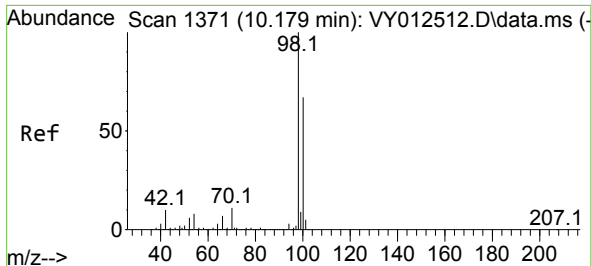
Tgt Ion: 75 Resp: 9036
Ion Ratio Lower Upper
75 100
110 10.4 19.5 58.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.289 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 117 Resp: 13003
Ion Ratio Lower Upper
117 100
119 5.1 75.1 112.7#
121 0.0 24.3 36.5#

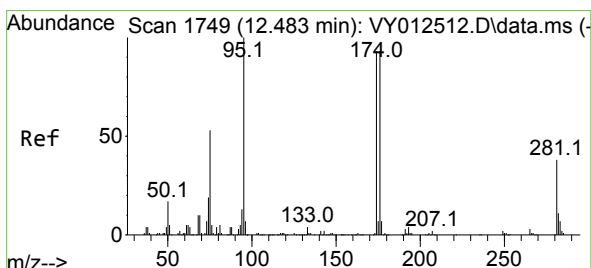
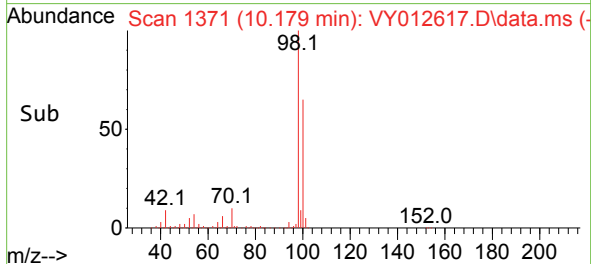
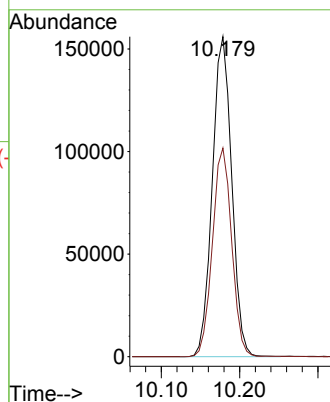
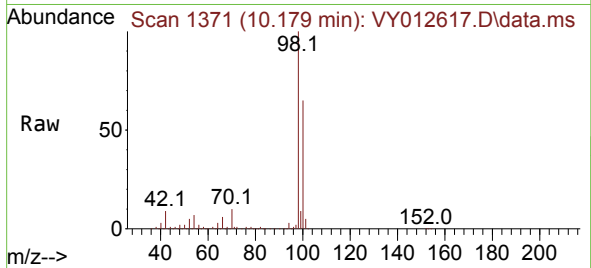




#50
Toluene-d8
Concen: 38.631 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

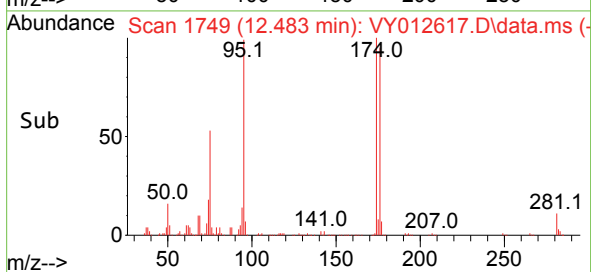
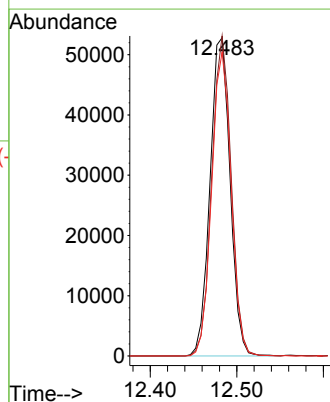
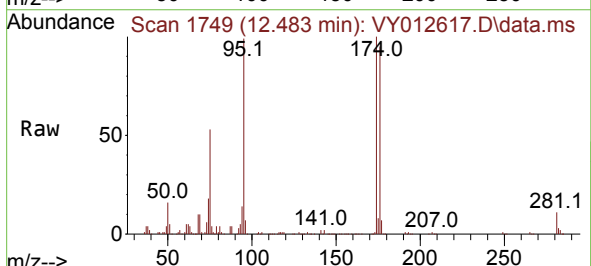
Instrument :
MSVOA_Y
ClientSampleId :

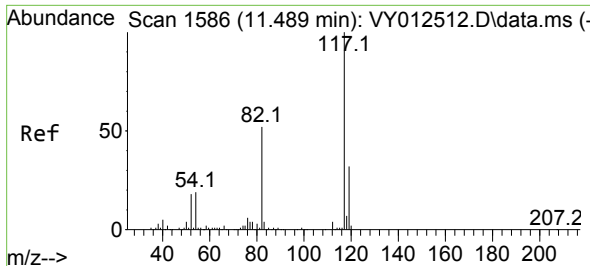
Tgt Ion: 98 Resp: 268312
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 35.107 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 95 Resp: 85050
Ion Ratio Lower Upper
95 100
174 97.4 0.0 188.0
176 92.7 0.0 183.6

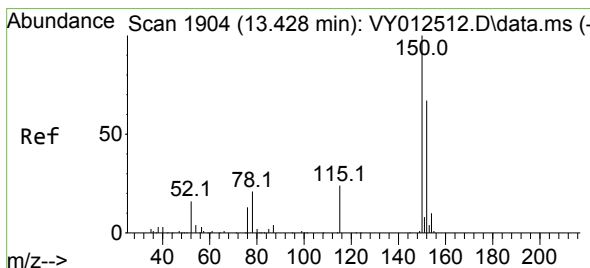
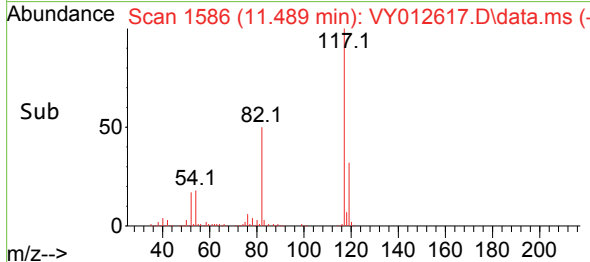
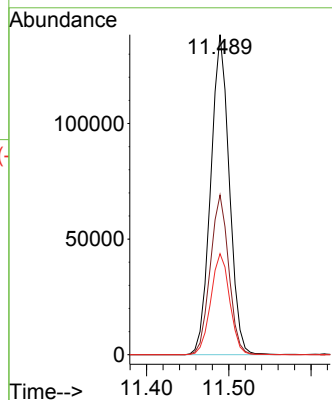
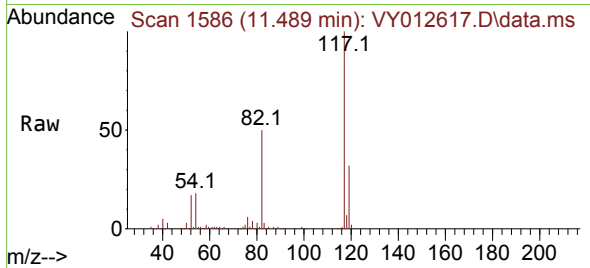




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

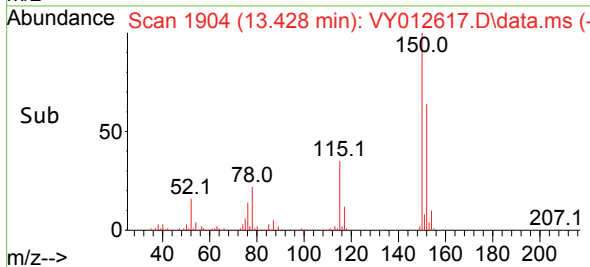
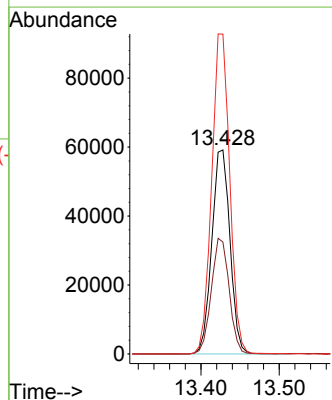
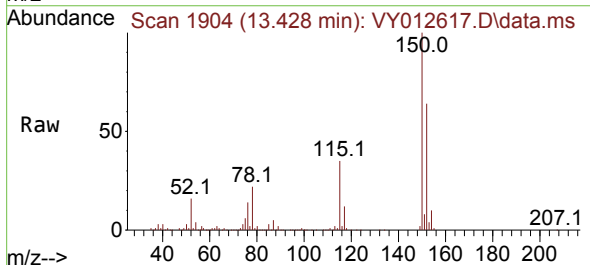
Instrument :
MSVOA_Y
ClientSampleId :

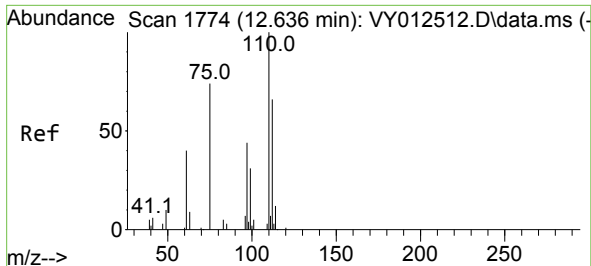
Tgt Ion:117 Resp: 217113
Ion Ratio Lower Upper
117 100
82 49.9 41.7 62.5
119 31.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

Tgt Ion:152 Resp: 95337
Ion Ratio Lower Upper
152 100
115 55.7 28.1 84.3
150 155.7 0.0 351.0

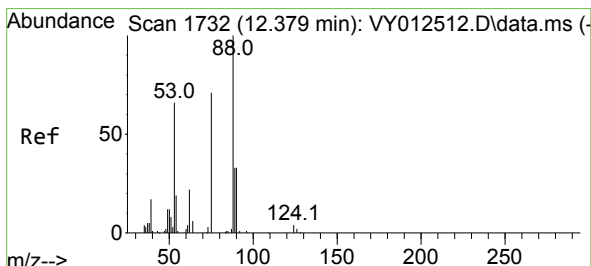
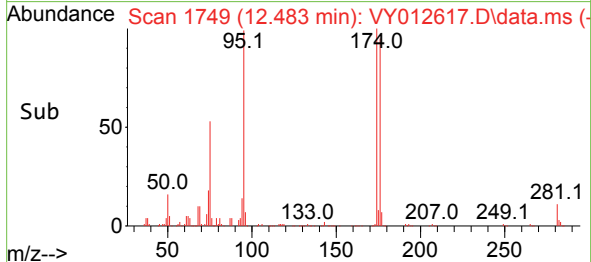
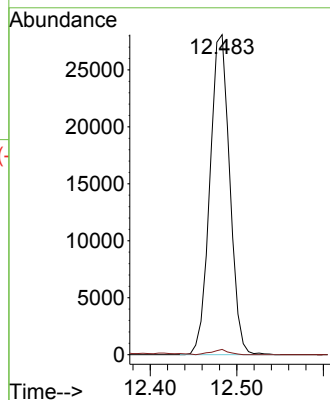
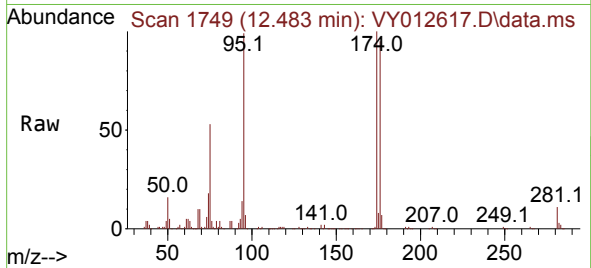




#76
 1,2,3-Trichloropropane
 Concen: 41.985 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012617.D
 Acq: 15 Feb 2023 16:25

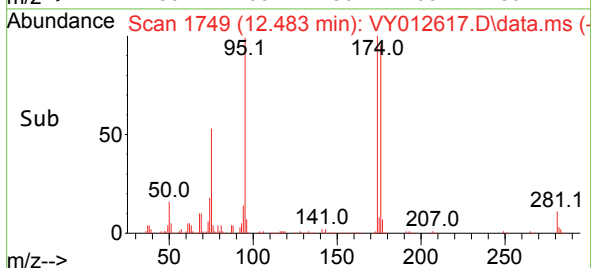
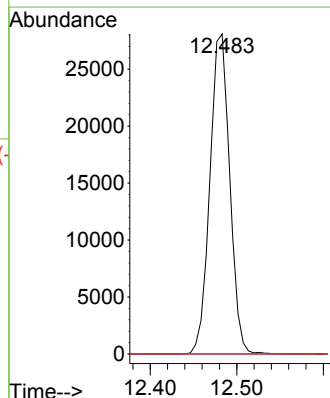
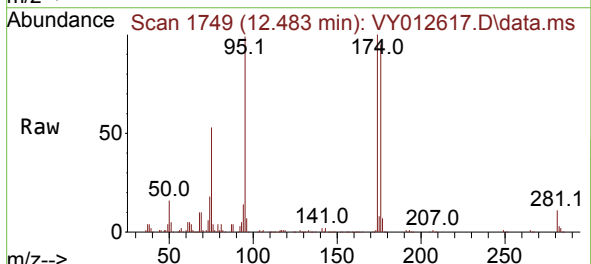
Instrument :
 MSVOA_Y
 ClientSampleId :

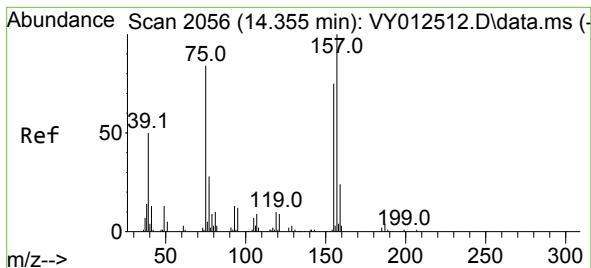
Tgt Ion: 75 Resp: 44720
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.679 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY012617.D
 Acq: 15 Feb 2023 16:25

Tgt Ion: 75 Resp: 44720
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 39.9 59.9#

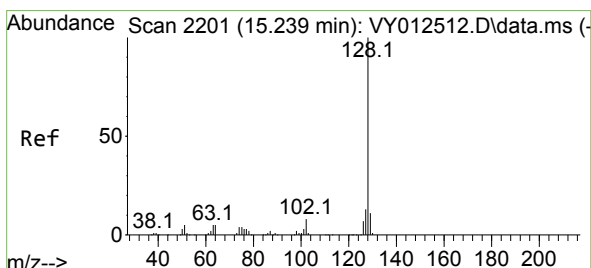
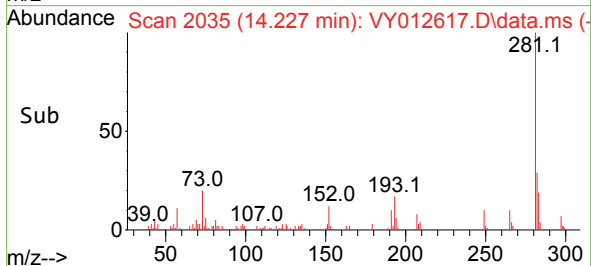
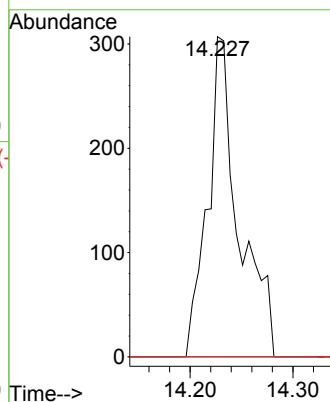
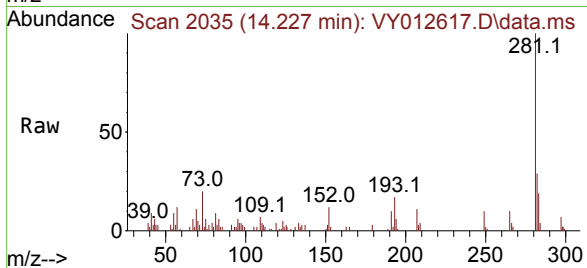




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.595 ug/l
RT: 14.227 min Scan# 2056
Delta R.T. -0.128 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 644
Ion Ratio Lower Upper
75 100
155 0.0 46.5 139.3#
157 0.0 59.9 179.7#



#95
Naphthalene
Concen: 1.619 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY012617.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 128 Resp: 6445
Ion Ratio Lower Upper
128 100
127 16.3 10.4 15.6#
129 10.5 8.6 12.8

