

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021523\
 Data File : VY012615.D
 Acq On : 15 Feb 2023 15:17
 Operator : KP/MD
 Sample : 01552-17RE
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 16 00:57:45 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)

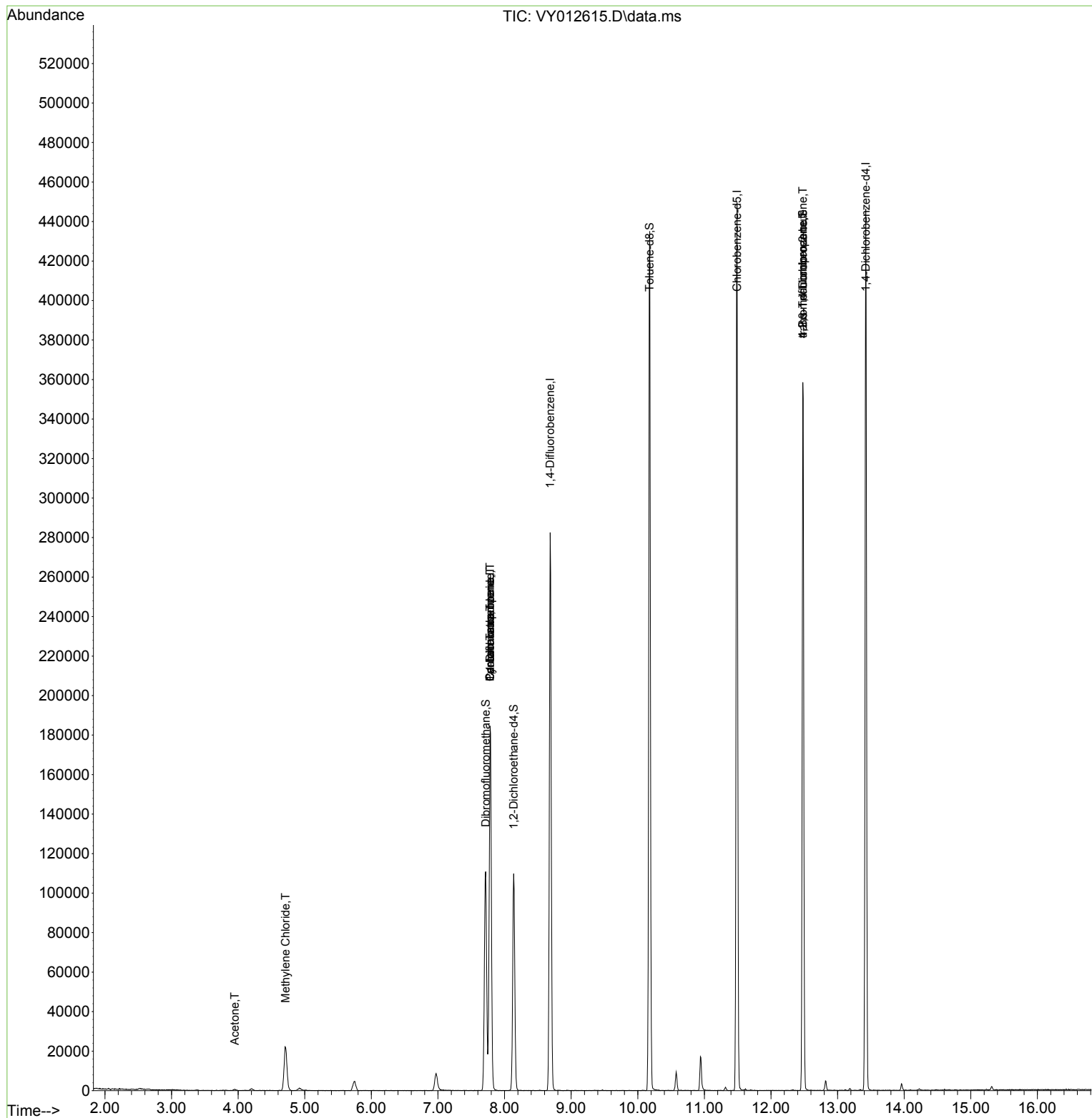
Internal Standards						
1) Pentafluorobenzene	7.783	168	150549	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	255896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	258191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	90188	47.110	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.220%
35) Dibromofluoromethane	7.716	113	75326	40.420	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.840%
50) Toluene-d8	10.179	98	300835	38.783	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.560%
62) 4-Bromofluorobenzene	12.477	95	103292	38.177	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19	Below Cal	#	41
5) Bromomethane	2.656	94	49	Below Cal		98
11) Tert butyl alcohol	4.918	59	1253	Below Cal	#	75
16) Acetone	3.948	43	988	2.144	ug/l	94
20) Methylene Chloride	4.710	84	19001	7.450	ug/l	97
31) Cyclohexane	7.783	56	2530	1.143	ug/l #	39
36) 1,1-Dichloropropene	7.783	75	9426	3.737	ug/l #	49
38) Carbon Tetrachloride	7.783	117	14441	4.265	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	54340	39.638	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	54340	89.385	ug/l #	12

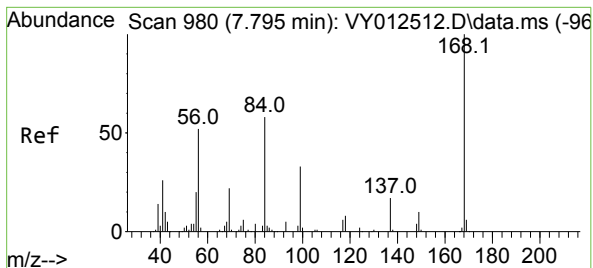
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 08 01:09:03 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY012615.D

Acq: 15 Feb 2023 15:17

Instrument :

MSVOA_Y

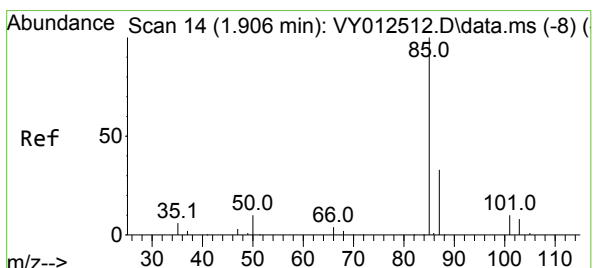
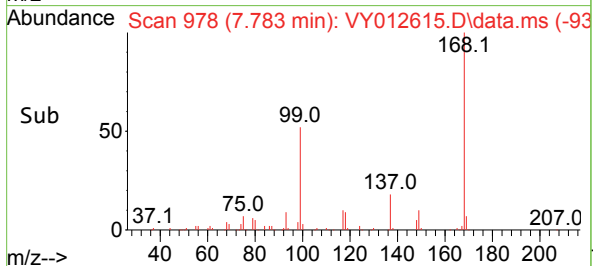
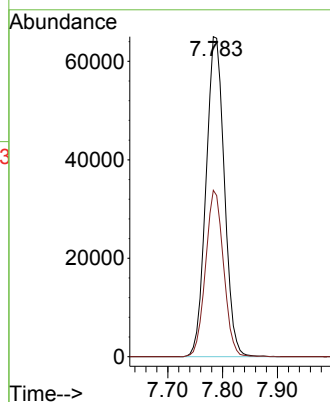
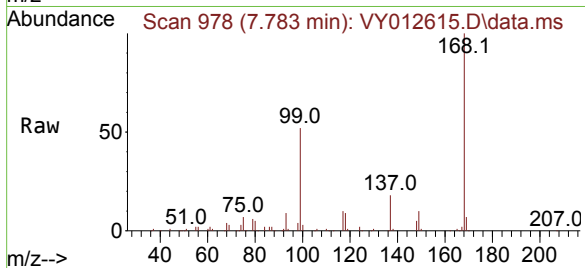
ClientSampleId :

Tgt Ion:168 Resp: 150549

Ion Ratio Lower Upper

168 100

99 52.0 40.8 61.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.906 min Scan# 14

Delta R.T. -0.000 min

Lab File: VY012615.D

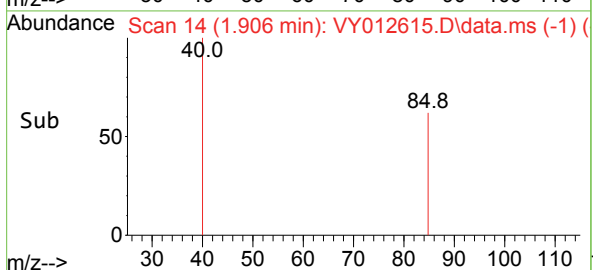
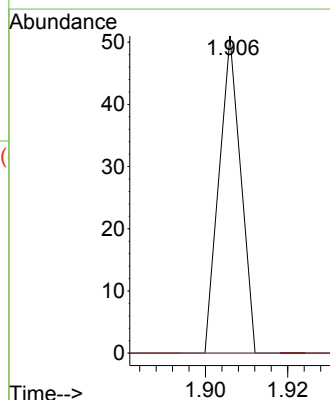
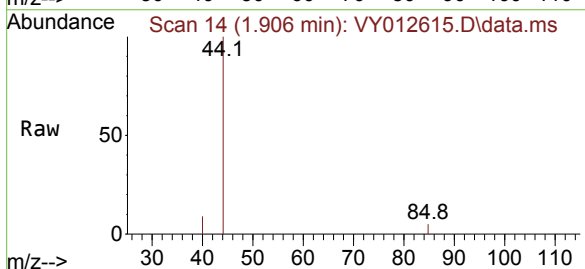
Acq: 15 Feb 2023 15:17

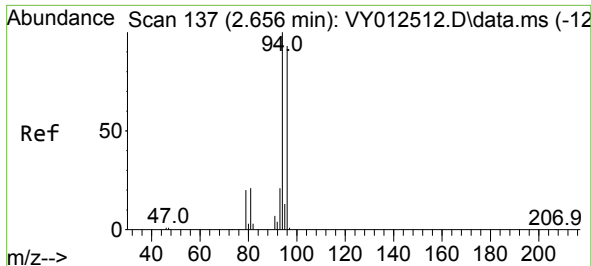
Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

85 100

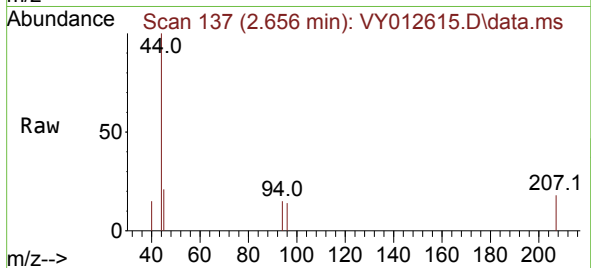
87 0.0 16.6 49.8#



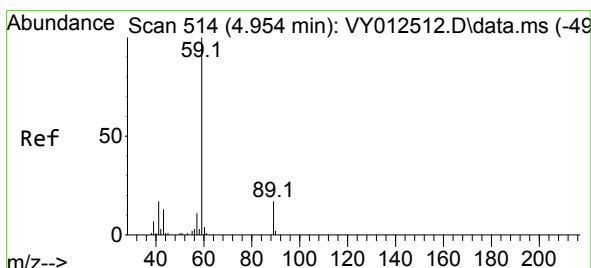
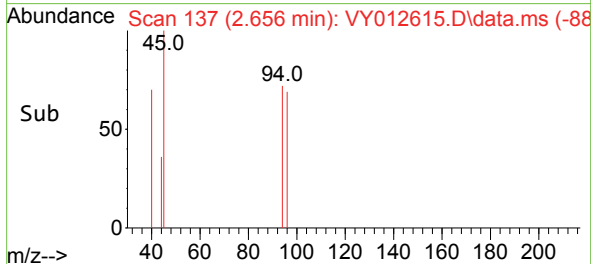
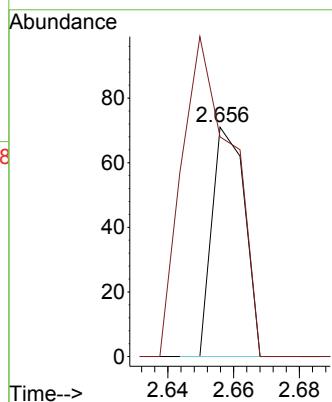


#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012615.D
Acq: 15 Feb 2023 15:17

Instrument :
MSVOA_Y
ClientSampleId :

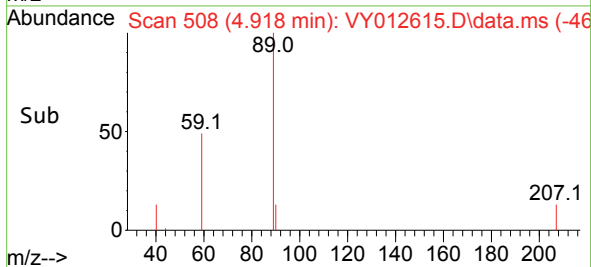
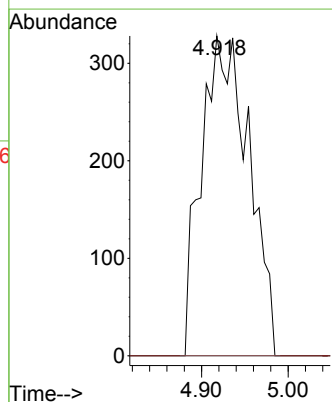
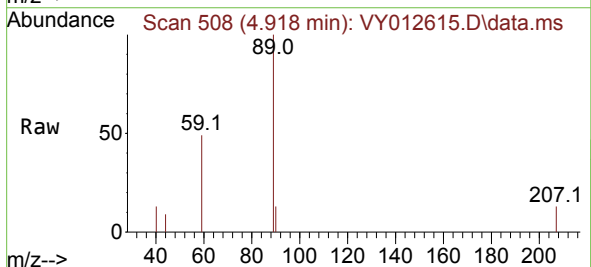


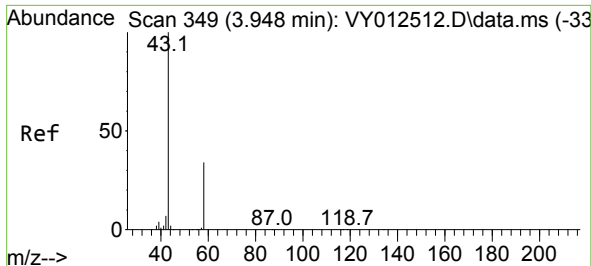
Tgt Ion: 94 Resp: 49
Ion Ratio Lower Upper
94 100
96 95.8 74.7 112.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY012615.D
Acq: 15 Feb 2023 15:17

Tgt Ion: 59 Resp: 1253
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

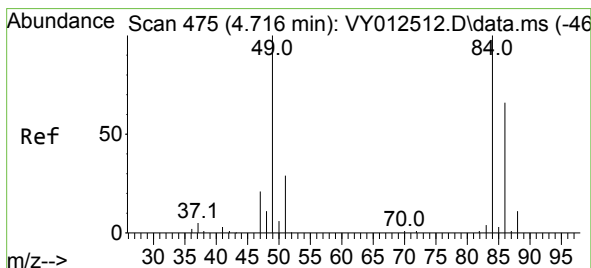
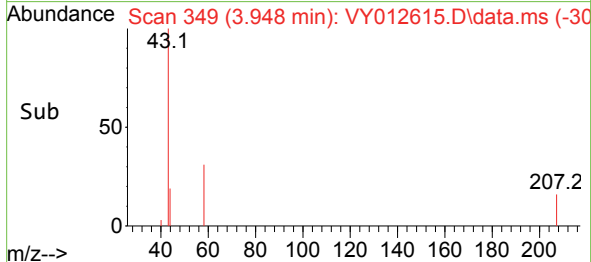
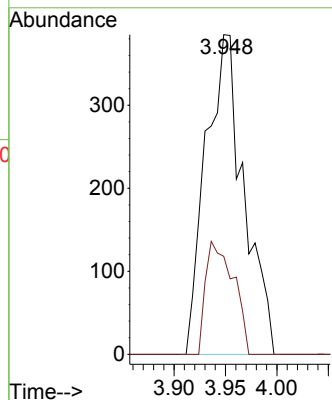
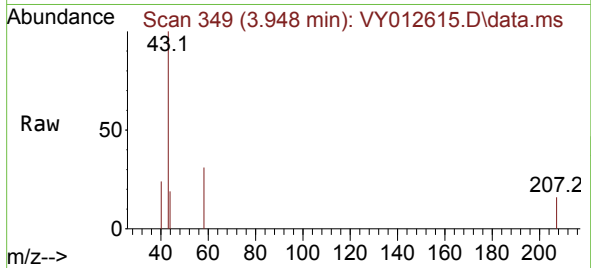




#16
Acetone
Concen: 2.144 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012615.D
Acq: 15 Feb 2023 15:17

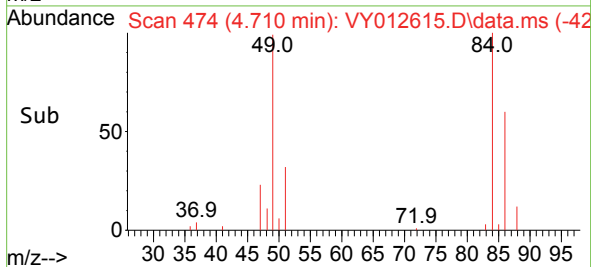
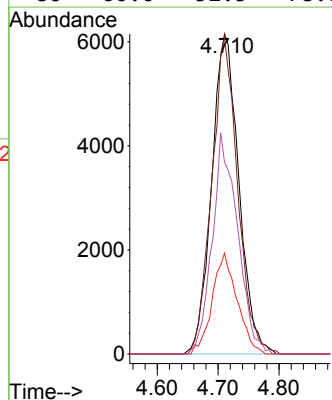
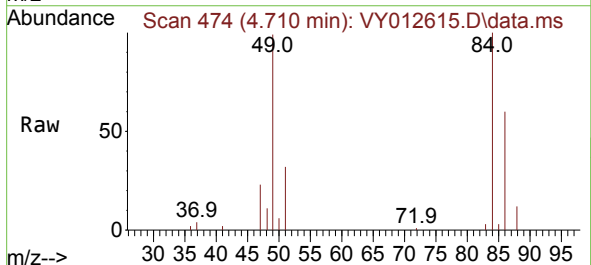
Instrument :
MSVOA_Y
ClientSampleId :

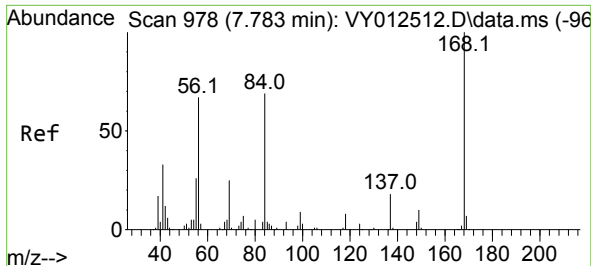
Tgt Ion: 43 Resp: 988
Ion Ratio Lower Upper
43 100
58 30.6 27.1 40.7



#20
Methylene Chloride
Concen: 7.450 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012615.D
Acq: 15 Feb 2023 15:17

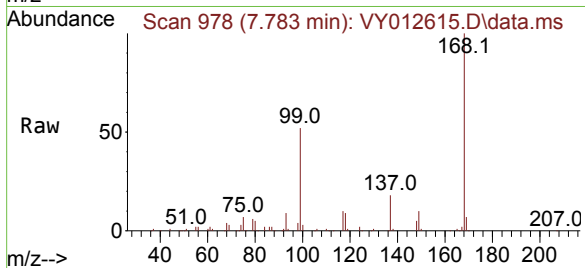
Tgt Ion: 84 Resp: 19001
Ion Ratio Lower Upper
84 100
49 99.1 79.8 119.6
51 31.5 23.4 35.2
86 60.0 52.5 78.7



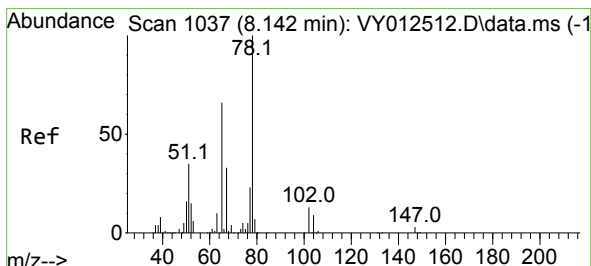
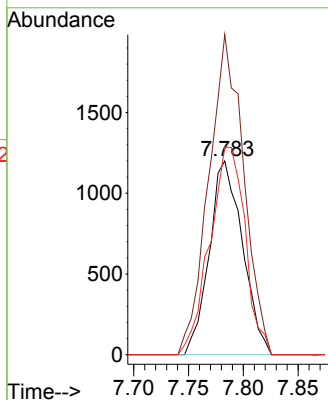
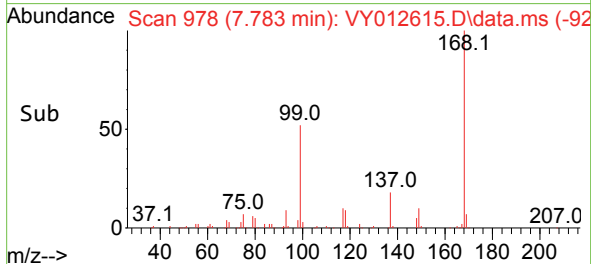


#31
Cyclohexane
Concen: 1.143 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012615.D
Acq: 15 Feb 2023 15:17

Instrument :
MSVOA_Y
ClientSampleId :

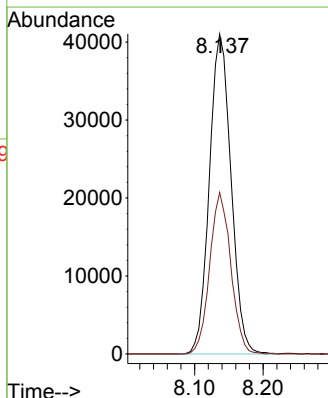
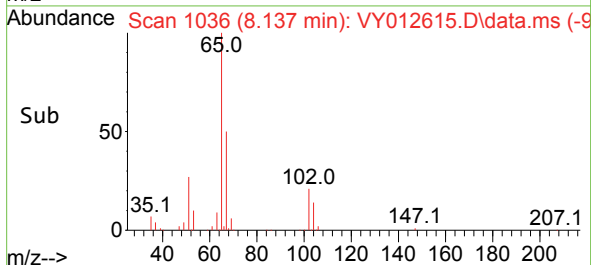
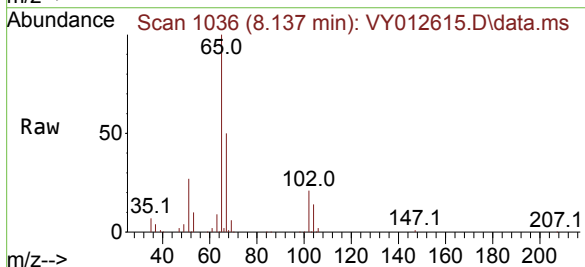


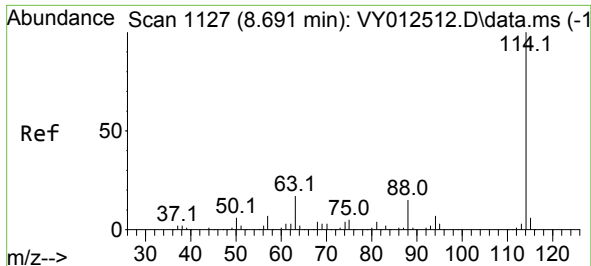
Tgt Ion: 56 Resp: 2530
Ion Ratio Lower Upper
56 100
69 165.2 29.5 44.3#
84 107.2 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 47.110 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012615.D
Acq: 15 Feb 2023 15:17

Tgt Ion: 65 Resp: 90188
Ion Ratio Lower Upper
65 100
67 49.1 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: VY012615.D

Acq: 15 Feb 2023 15:17

Instrument :

MSVOA_Y

ClientSampleId :

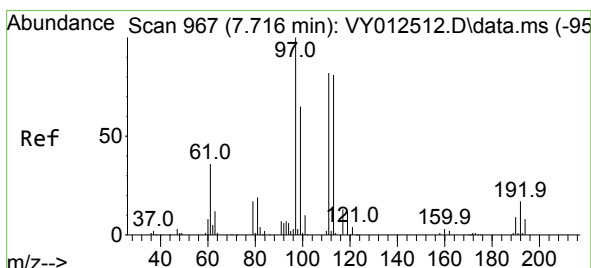
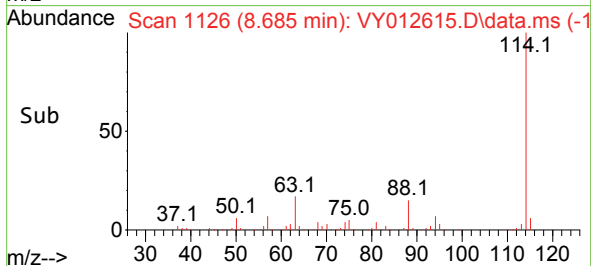
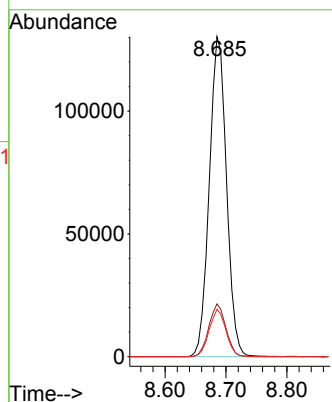
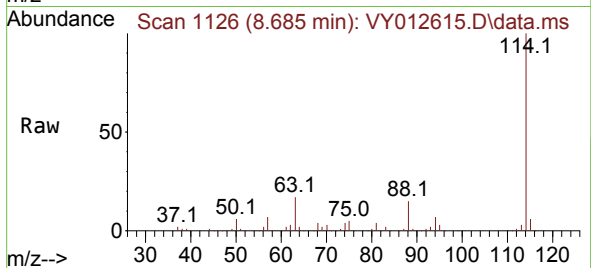
Tgt Ion:114 Resp: 255896

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.6

88 14.8 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.420 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012615.D

Acq: 15 Feb 2023 15:17

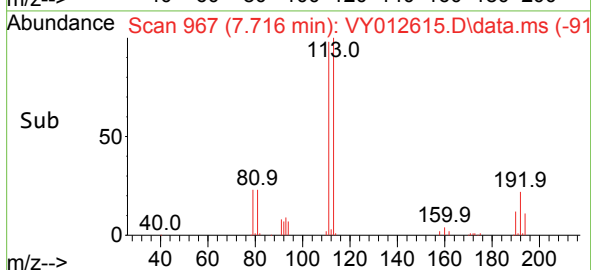
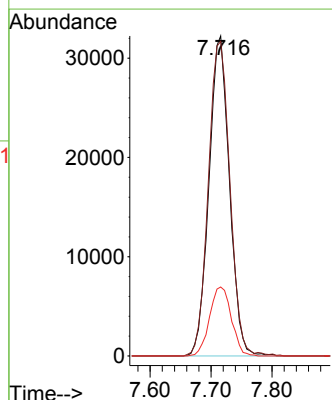
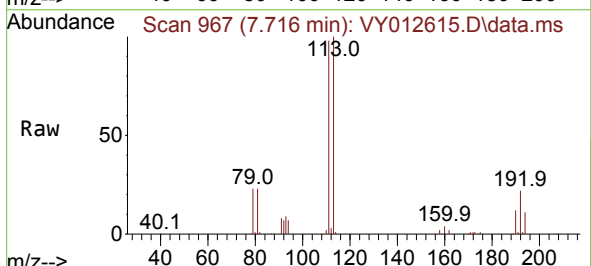
Tgt Ion:113 Resp: 75326

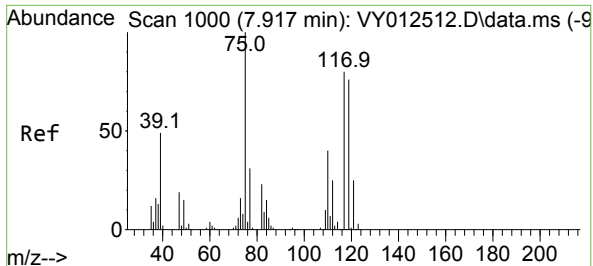
Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

192 22.9 17.5 26.3

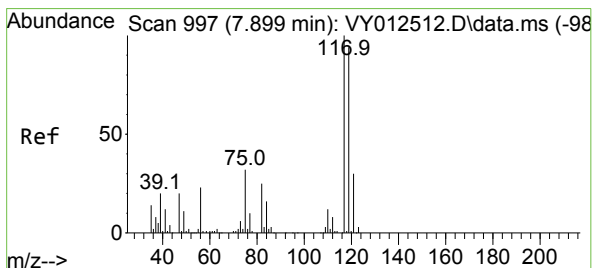
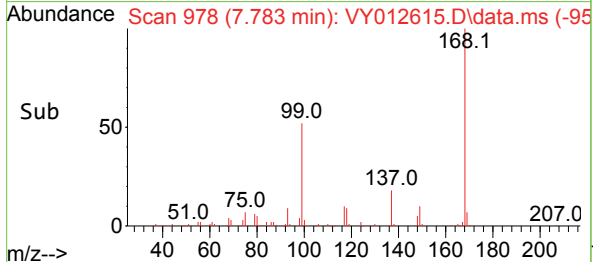
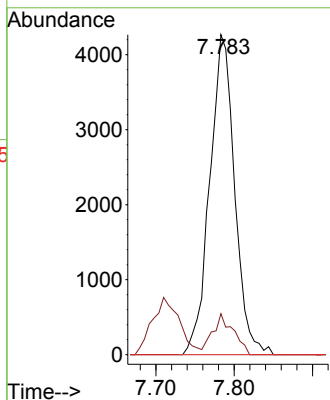
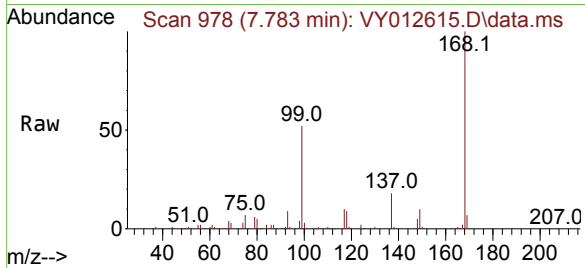




#36
1,1-Dichloropropene
Concen: 3.737 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY012615.D
Acq: 15 Feb 2023 15:17

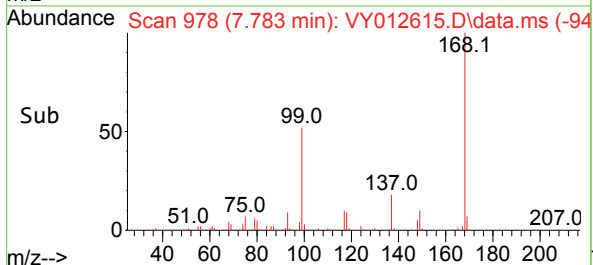
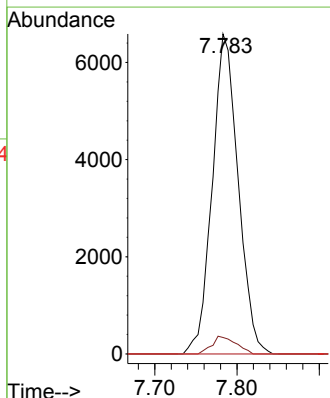
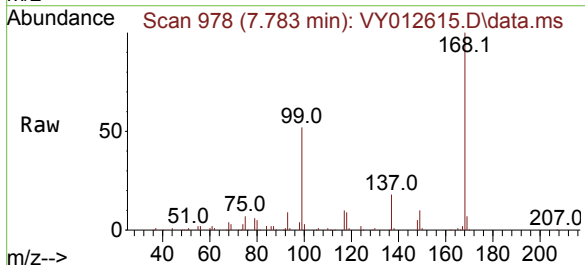
Instrument :
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ClientSampleId :

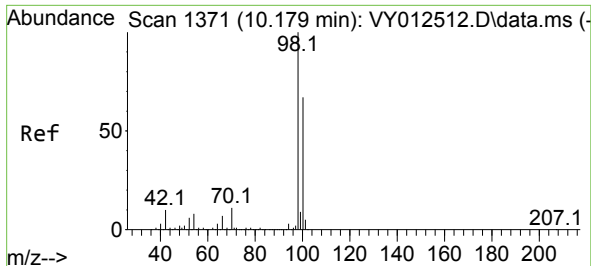
Tgt Ion: 75 Resp: 9426
Ion Ratio Lower Upper
75 100
110 10.5 19.5 58.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.265 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY012615.D
Acq: 15 Feb 2023 15:17

Tgt Ion:117 Resp: 14441
Ion Ratio Lower Upper
117 100
119 5.2 75.1 112.7#
121 0.0 24.3 36.5#

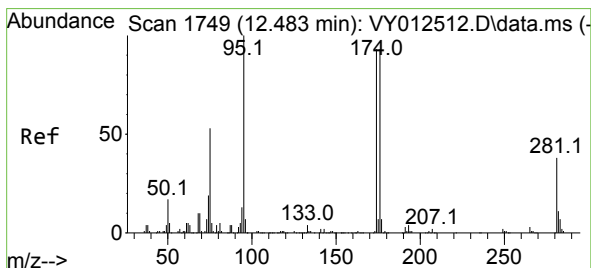
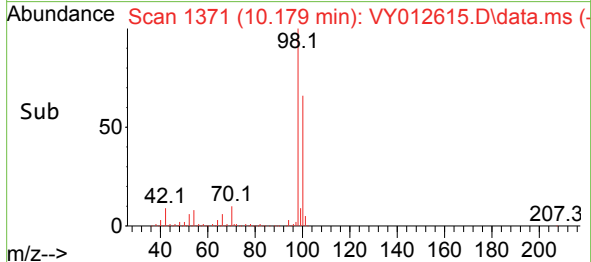
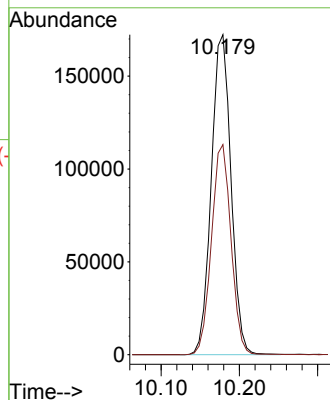
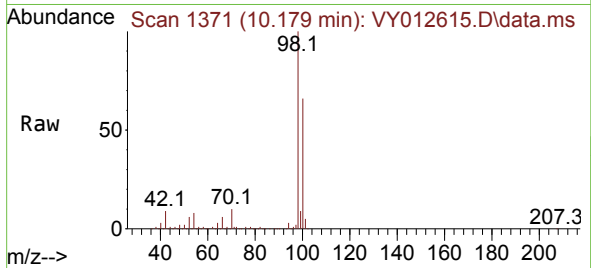




#50
Toluene-d8
Concen: 38.783 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012615.D
Acq: 15 Feb 2023 15:17

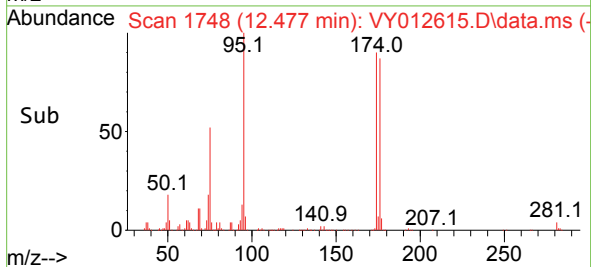
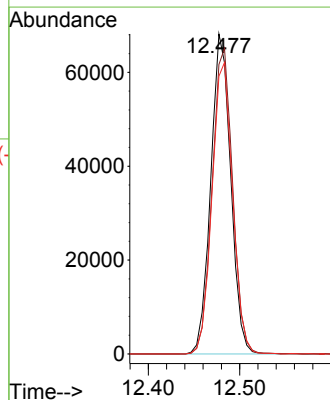
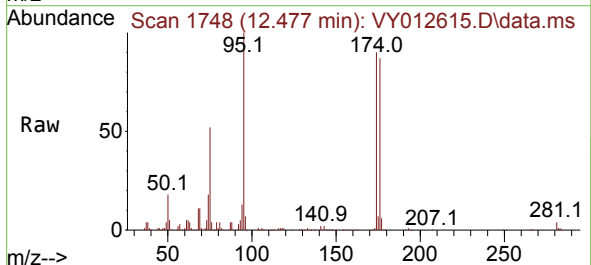
Instrument :
MSVOA_Y
ClientSampleId :

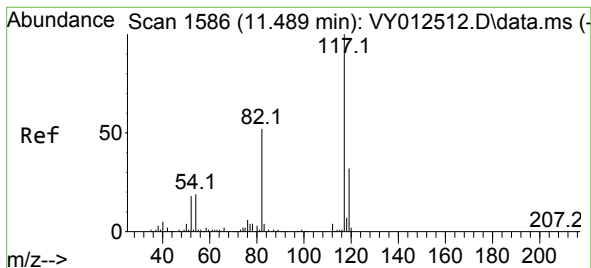
Tgt Ion: 98 Resp: 300835
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 38.177 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012615.D
Acq: 15 Feb 2023 15:17

Tgt Ion: 95 Resp: 103292
Ion Ratio Lower Upper
95 100
174 98.3 0.0 188.0
176 93.9 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

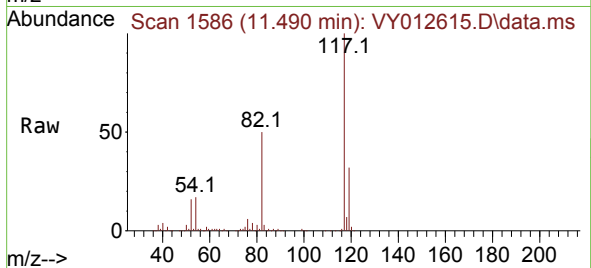
Lab File: VY012615.D

Acq: 15 Feb 2023 15:17

Instrument :

MSVOA_Y

ClientSampleId :



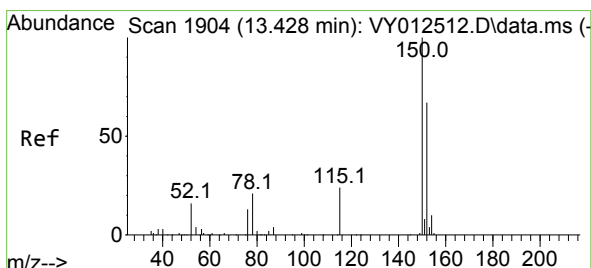
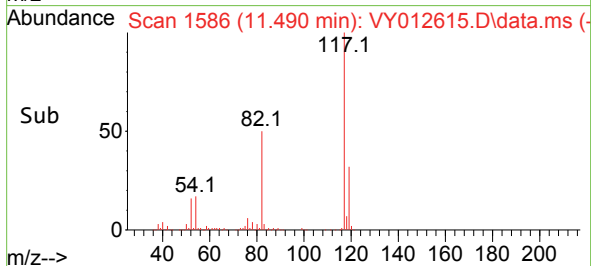
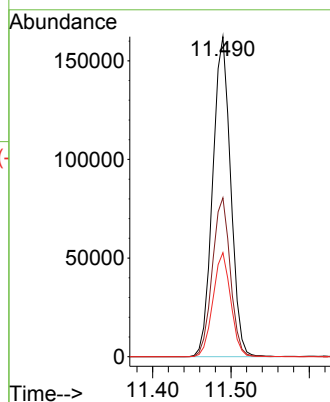
Tgt Ion:117 Resp: 258191

Ion Ratio Lower Upper

117 100

82 49.7 41.7 62.5

119 32.5 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012615.D

Acq: 15 Feb 2023 15:17

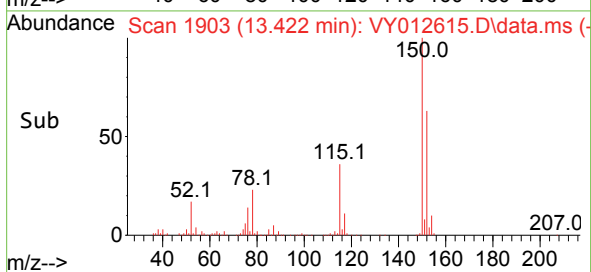
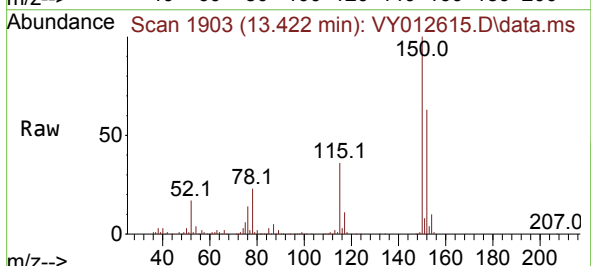
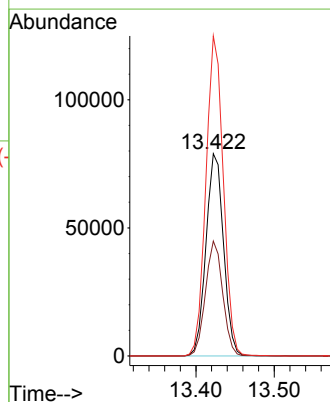
Tgt Ion:152 Resp: 122706

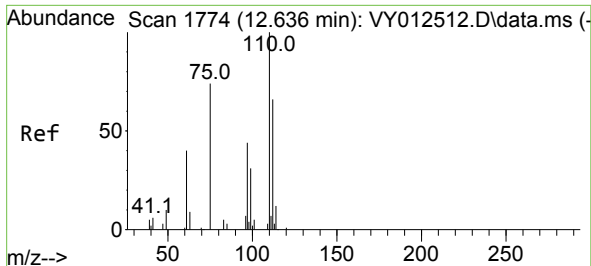
Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.3

150 156.6 0.0 351.0

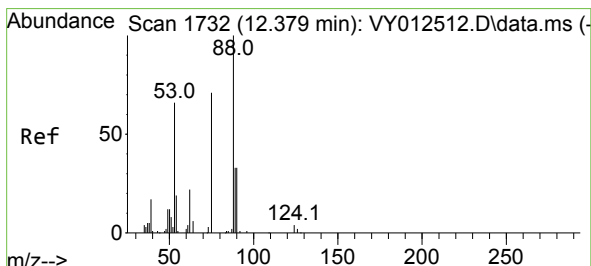
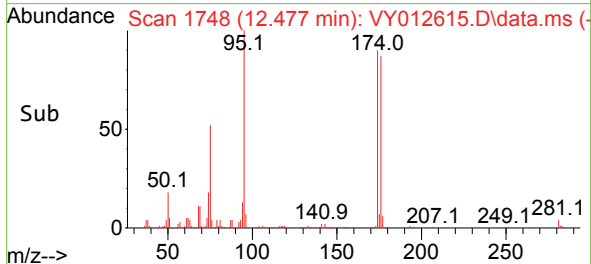
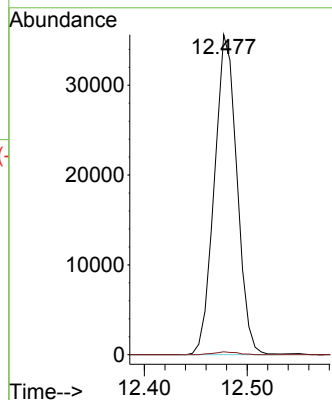
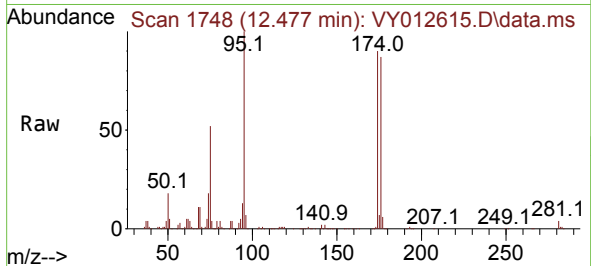




#76
1,2,3-Trichloropropane
Concen: 39.638 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY012615.D
Acq: 15 Feb 2023 15:17

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 54340
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.385 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012615.D
Acq: 15 Feb 2023 15:17

Tgt Ion: 75 Resp: 54340
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#

