

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021523\
 Data File : VY012609.D
 Acq On : 15 Feb 2023 12:56
 Operator : KP/MD
 Sample : 01552-12
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 16 00:53:31 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)

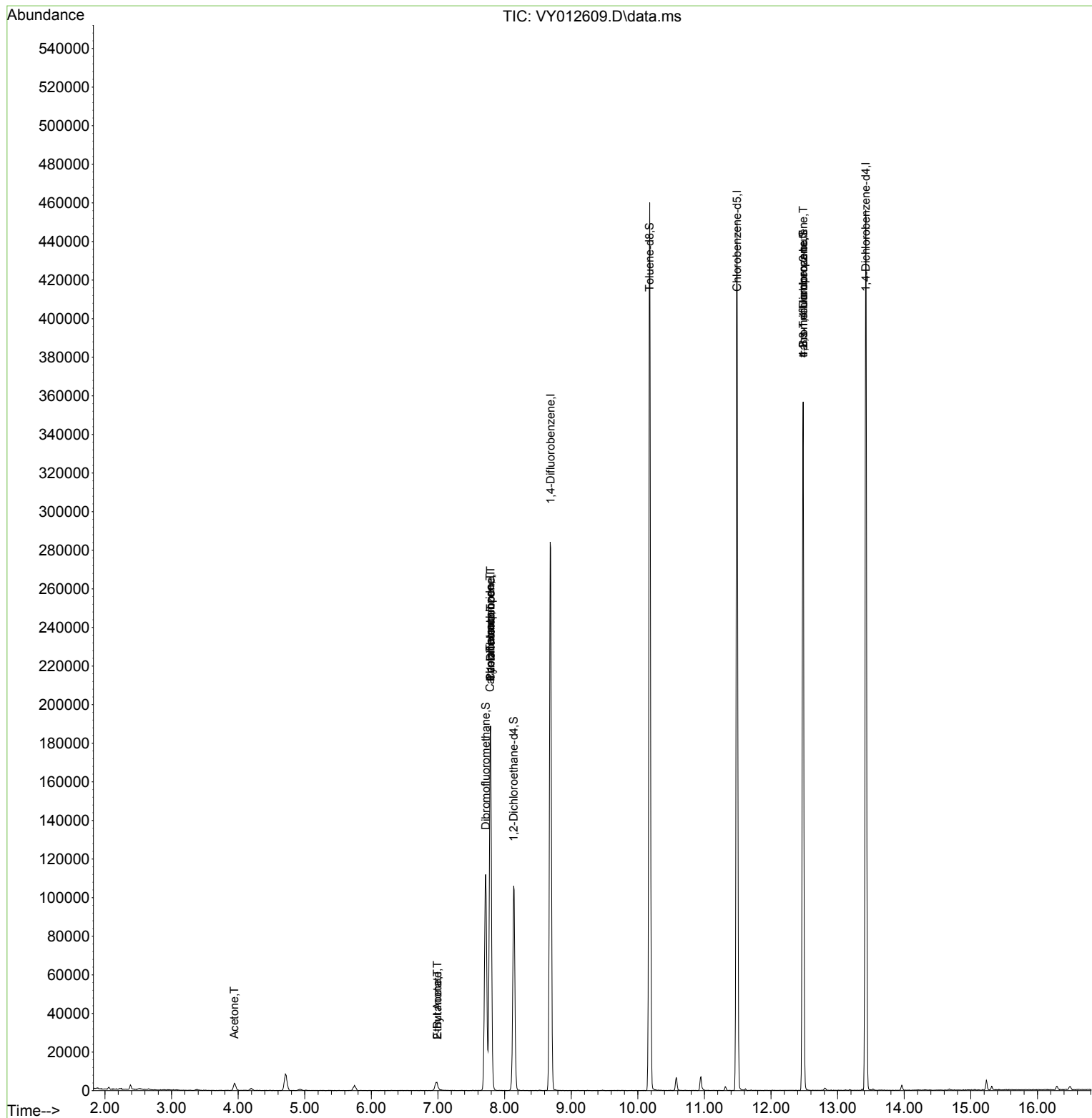
Internal Standards						
1) Pentafluorobenzene	7.789	168	154483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	260240	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	260457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	125155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	87970	44.781	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.560%
35) Dibromofluoromethane	7.716	113	76637	40.437	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.880%
50) Toluene-d8	10.179	98	309735	39.264	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.520%
62) 4-Bromofluorobenzene	12.483	95	104201	37.870	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.740%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	134	Below Cal		89
11) Tert butyl alcohol	4.929	59	691	Below Cal	#	75
16) Acetone	3.942	43	6272	13.265	ug/l #	82
20) Methylene Chloride	4.722	84	7120	Below Cal	#	83
25) 2-Butanone	6.990	43	1398	2.665	ug/l #	78
31) Cyclohexane	7.789	56	2772	1.220	ug/l #	45
36) 1,1-Dichloropropene	7.789	75	9974	3.888	ug/l #	49
37) Ethyl Acetate	6.990	43	1398	1.208	ug/l #	78
38) Carbon Tetrachloride	7.783	117	14988	4.353	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	54969	39.312	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	54969	88.651	ug/l #	12

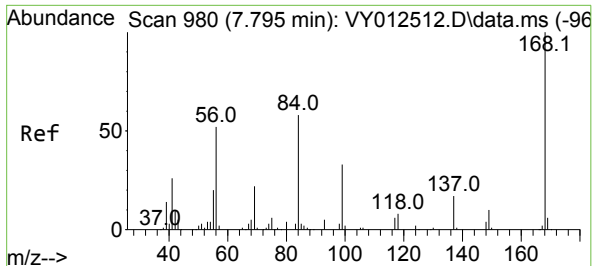
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021523\
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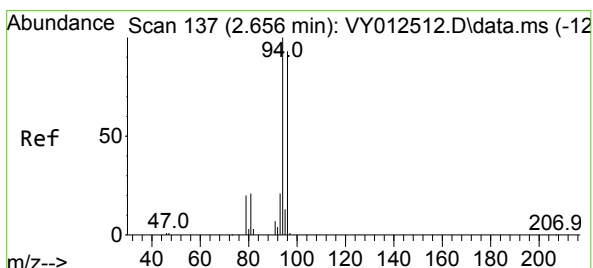
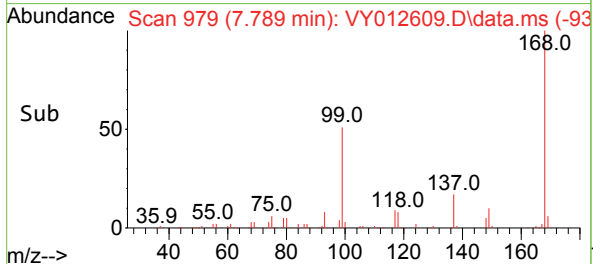
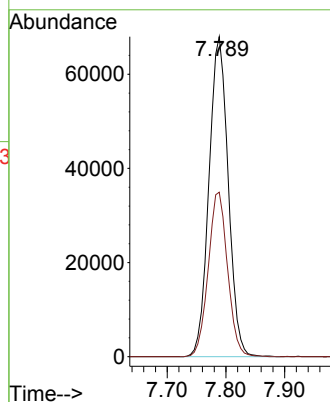
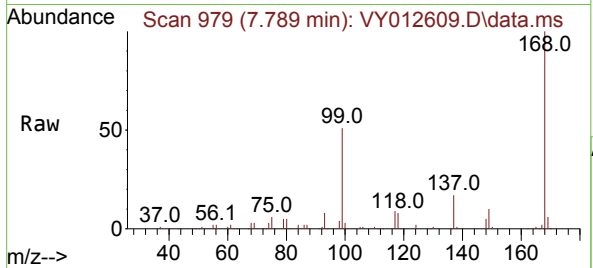




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012609.D
Acq: 15 Feb 2023 12:56

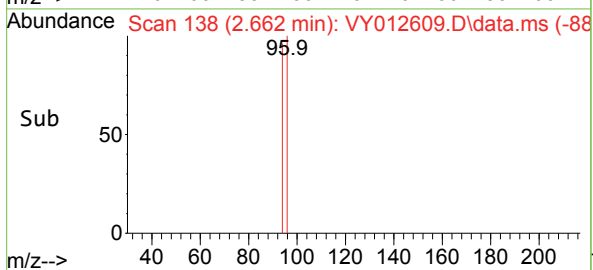
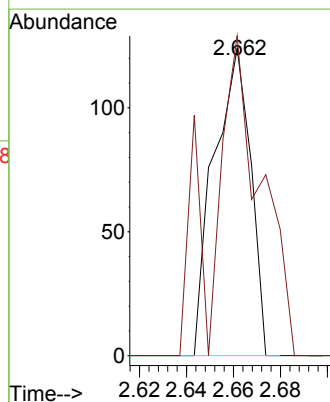
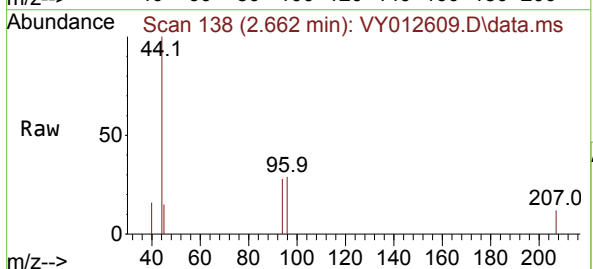
Instrument :
MSVOA_Y
ClientSampleId :

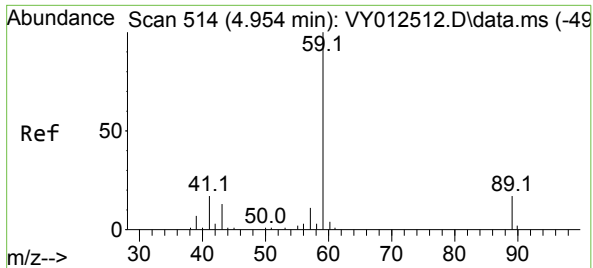
Tgt Ion:168 Resp: 154483
Ion Ratio Lower Upper
168 100
99 51.4 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY012609.D
Acq: 15 Feb 2023 12:56

Tgt Ion: 94 Resp: 134
Ion Ratio Lower Upper
94 100
96 104.0 74.7 112.1

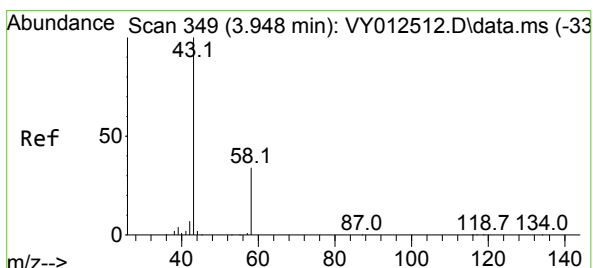
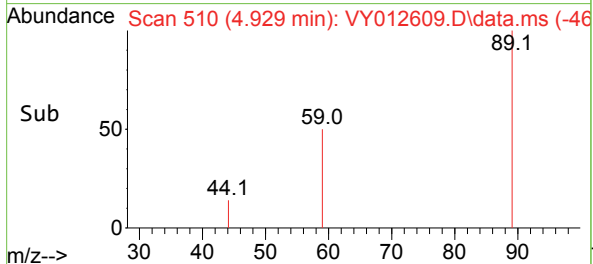
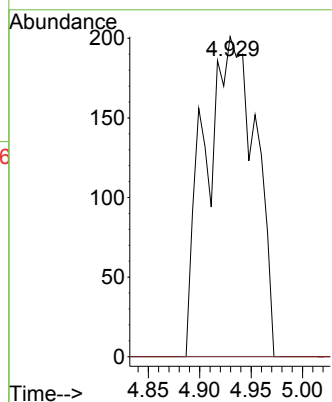
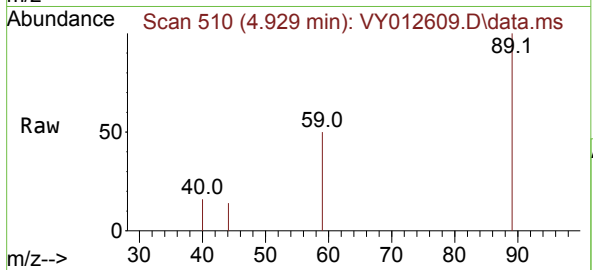




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.929 min Scan# 51
Delta R.T. -0.025 min
Lab File: VY012609.D
Acq: 15 Feb 2023 12:56

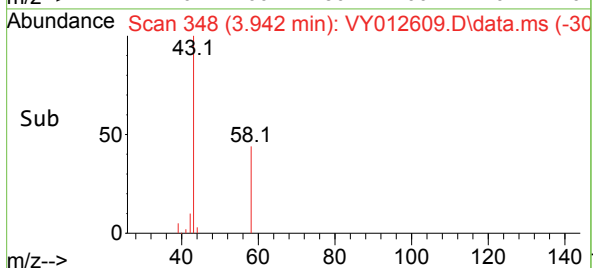
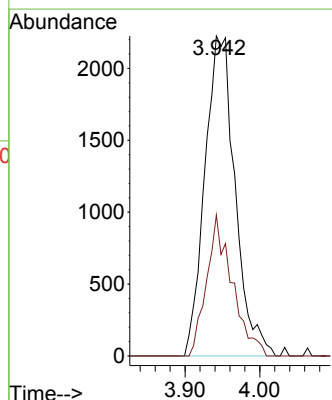
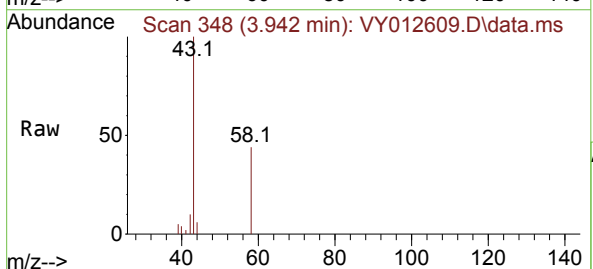
Instrument :
MSVOA_Y
ClientSampleId :

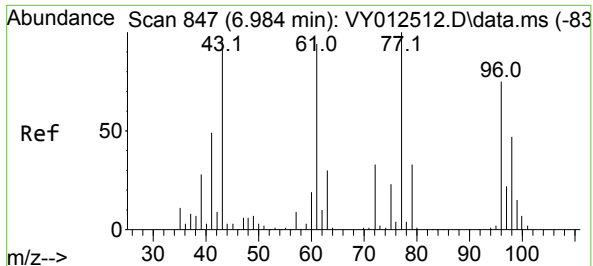
Tgt Ion: 59 Resp: 691
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 13.265 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY012609.D
Acq: 15 Feb 2023 12:56

Tgt Ion: 43 Resp: 6272
Ion Ratio Lower Upper
43 100
58 44.1 27.1 40.7#





#25

2-Butanone

Concen: 2.665 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012609.D

Acq: 15 Feb 2023 12:56

Instrument :

MSVOA_Y

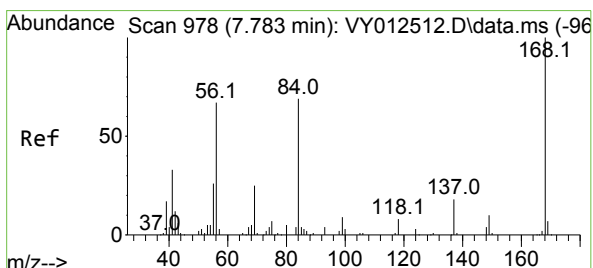
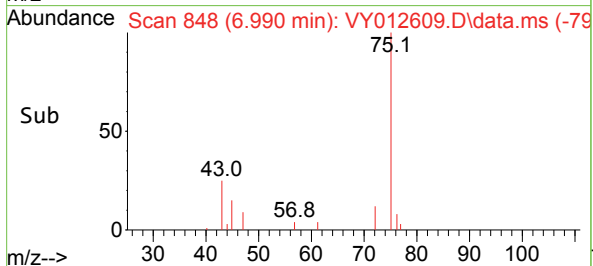
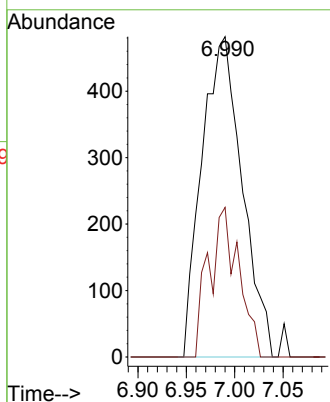
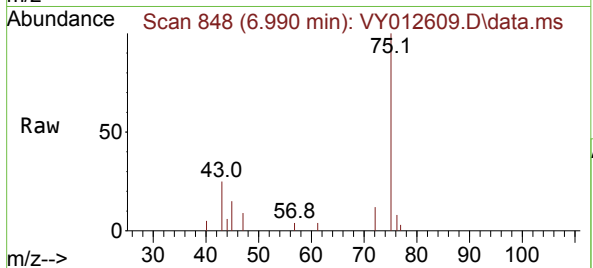
ClientSampleId :

Tgt Ion: 43 Resp: 1398

Ion Ratio Lower Upper

43 100

72 46.7 27.4 41.2#



#31

Cyclohexane

Concen: 1.220 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012609.D

Acq: 15 Feb 2023 12:56

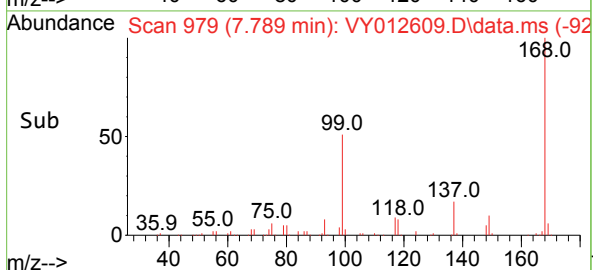
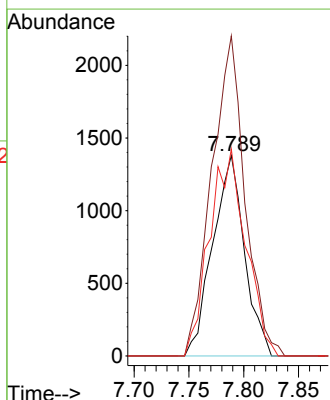
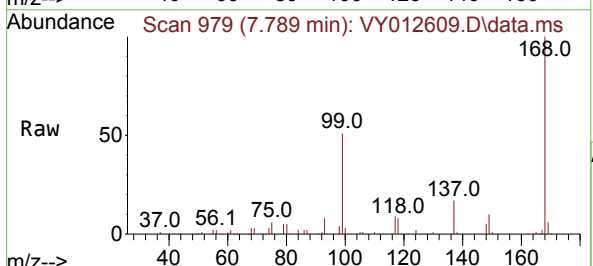
Tgt Ion: 56 Resp: 2772

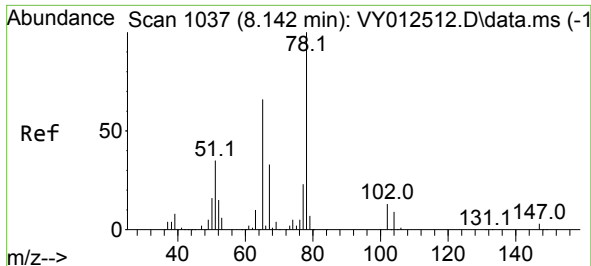
Ion Ratio Lower Upper

56 100

69 159.6 29.5 44.3#

84 103.2 81.9 122.9





#33

1,2-Dichloroethane-d4

Concen: 44.781 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012609.D

Acq: 15 Feb 2023 12:56

Instrument :

MSVOA_Y

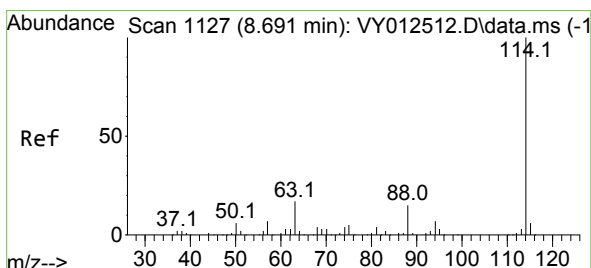
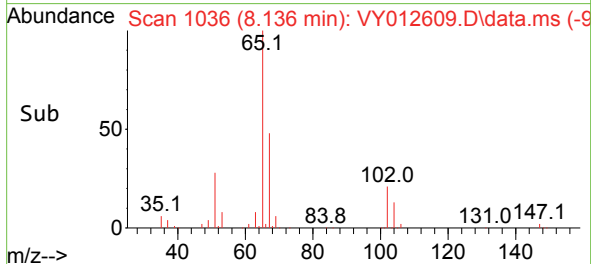
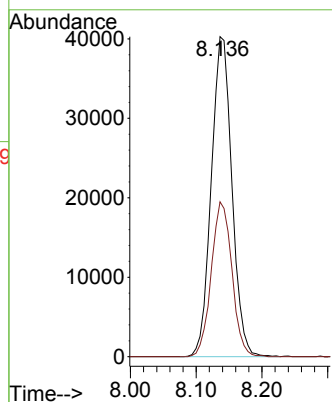
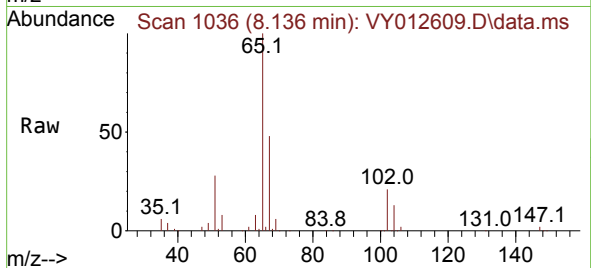
ClientSampleId :

Tgt Ion: 65 Resp: 87970

Ion Ratio Lower Upper

65 100

67 48.4 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012609.D

Acq: 15 Feb 2023 12:56

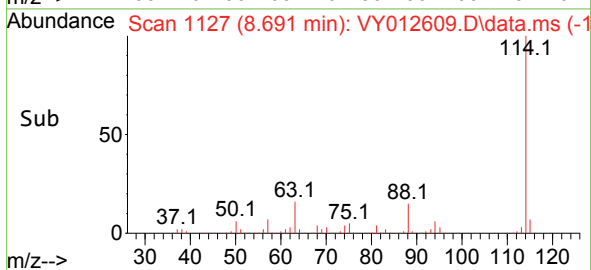
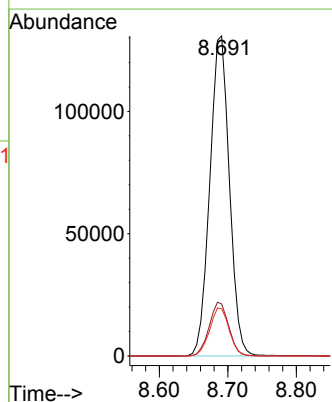
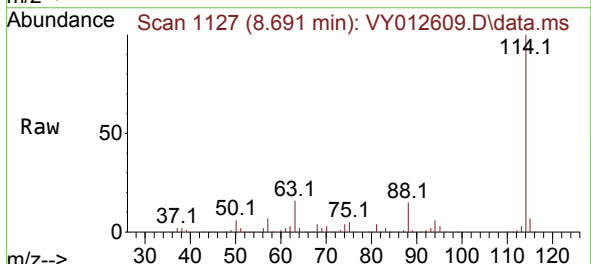
Tgt Ion: 114 Resp: 260240

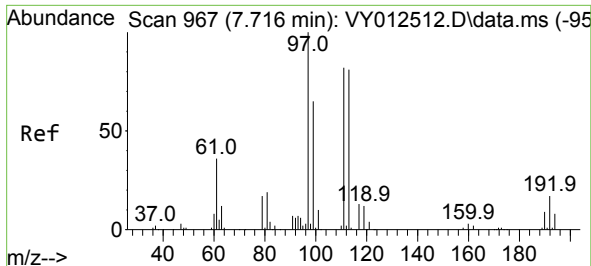
Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.6

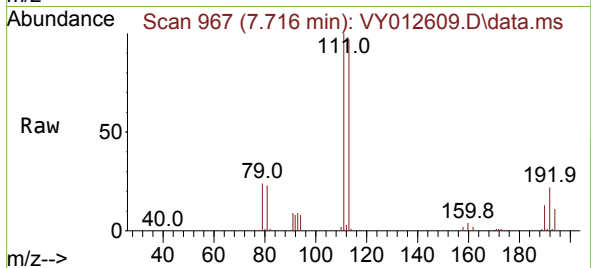
88 14.8 0.0 29.8



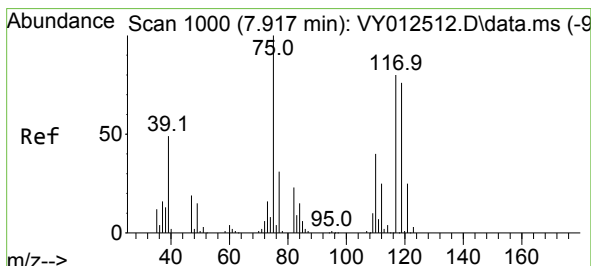
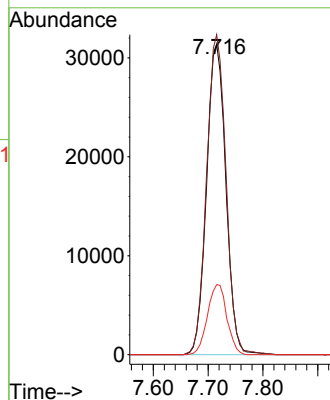
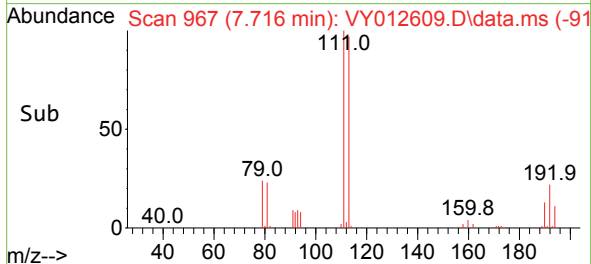


#35
 Dibromofluoromethane
 Concen: 40.437 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VY012609.D
 Acq: 15 Feb 2023 12:56

Instrument :
 MSVOA_Y
 ClientSampleId :

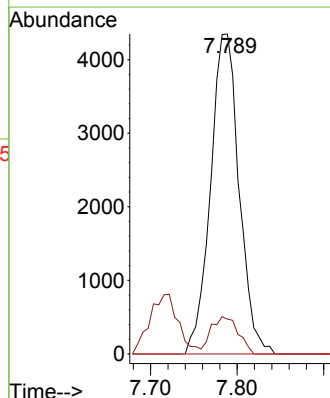
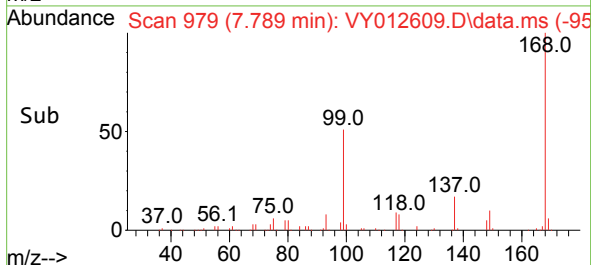
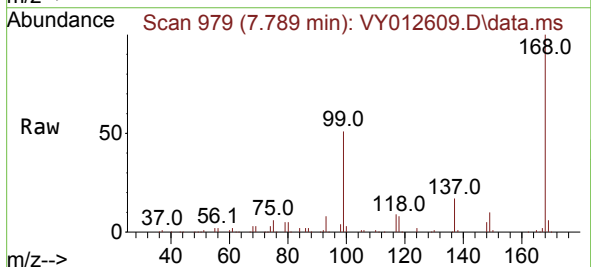


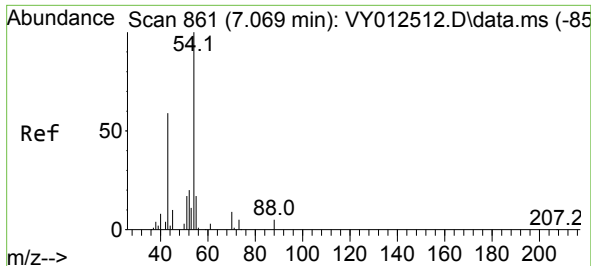
Tgt Ion:113 Resp: 76637
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.9 122.9
 192 22.7 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 3.888 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.128 min
 Lab File: VY012609.D
 Acq: 15 Feb 2023 12:56

Tgt Ion: 75 Resp: 9974
 Ion Ratio Lower Upper
 75 100
 110 11.0 19.5 58.5#
 77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.208 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

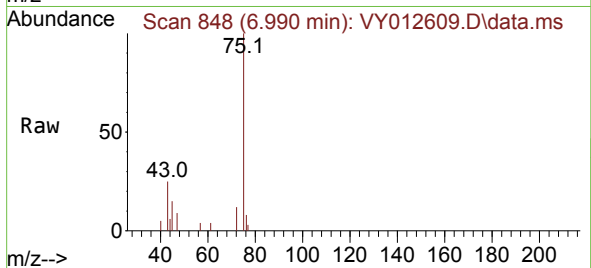
Lab File: VY012609.D

Acq: 15 Feb 2023 12:56

Instrument :

MSVOA_Y

ClientSampleId :



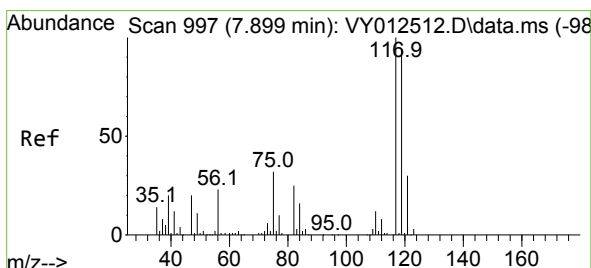
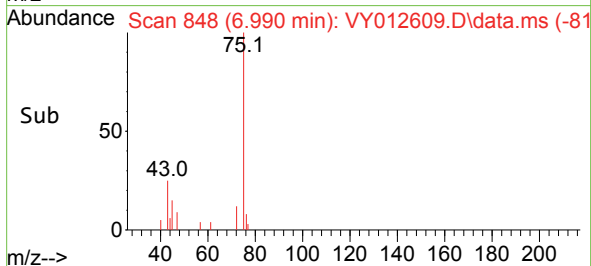
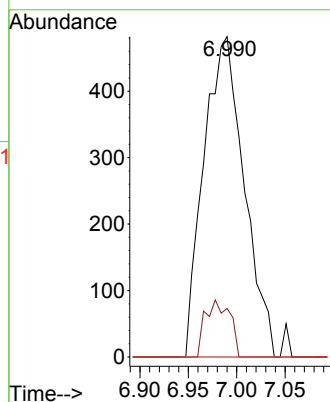
Tgt Ion: 43 Resp: 1398

Ion Ratio Lower Upper

43 100

61 10.8 12.5 18.7#

70 0.0 11.0 16.4#



#38

Carbon Tetrachloride

Concen: 4.353 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012609.D

Acq: 15 Feb 2023 12:56

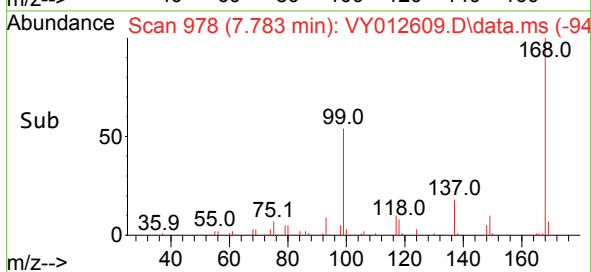
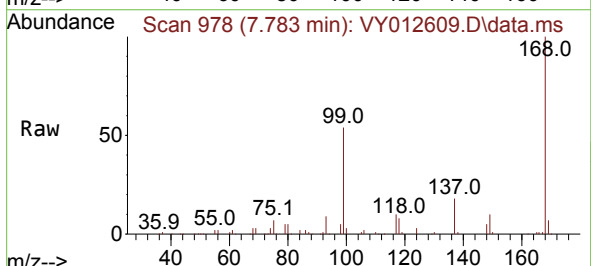
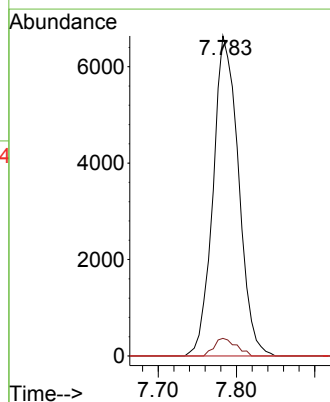
Tgt Ion: 117 Resp: 14988

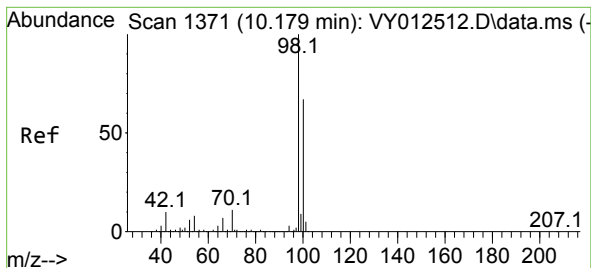
Ion Ratio Lower Upper

117 100

119 5.5 75.1 112.7#

121 0.0 24.3 36.5#

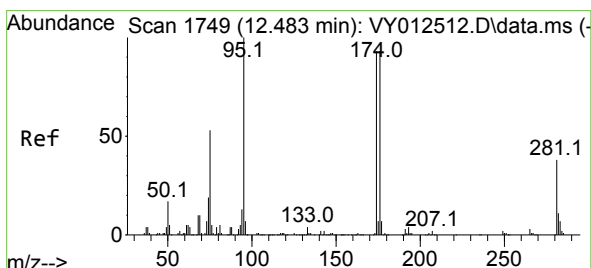
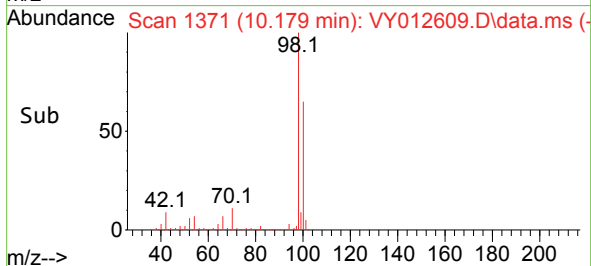
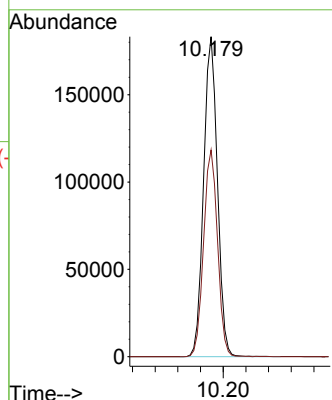
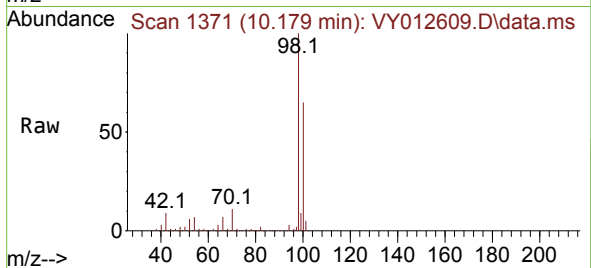




#50
Toluene-d8
Concen: 39.264 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012609.D
Acq: 15 Feb 2023 12:56

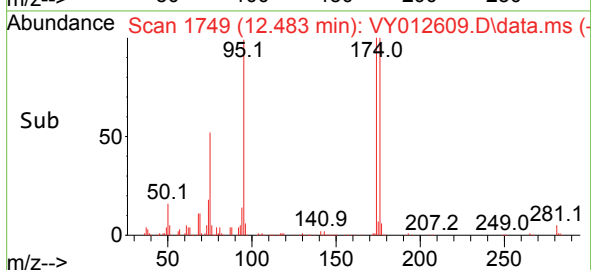
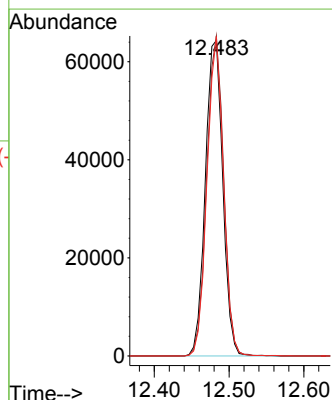
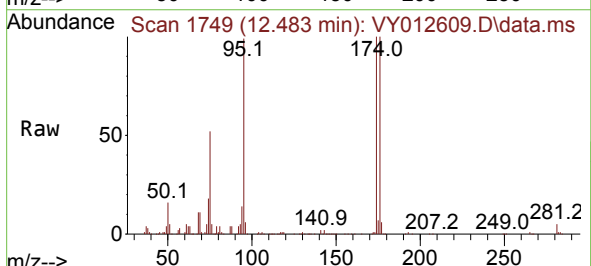
Instrument :
MSVOA_Y
ClientSampleId :

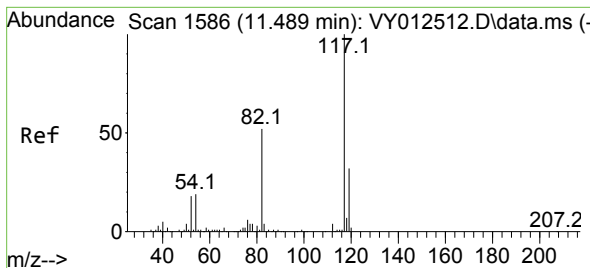
Tgt Ion: 98 Resp: 309735
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 37.870 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012609.D
Acq: 15 Feb 2023 12:56

Tgt Ion: 95 Resp: 104201
Ion Ratio Lower Upper
95 100
174 99.0 0.0 188.0
176 95.4 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: VY012609.D

Acq: 15 Feb 2023 12:56

Instrument :

MSVOA_Y

ClientSampleId :

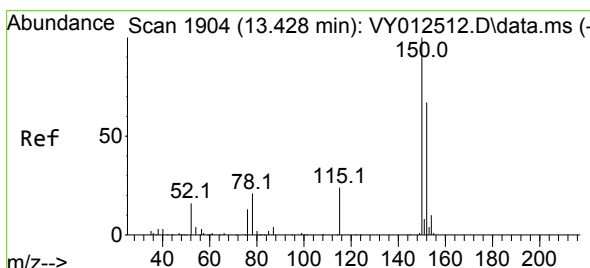
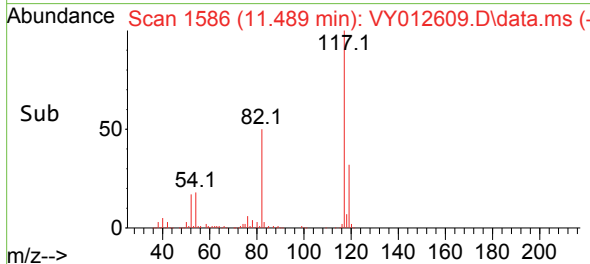
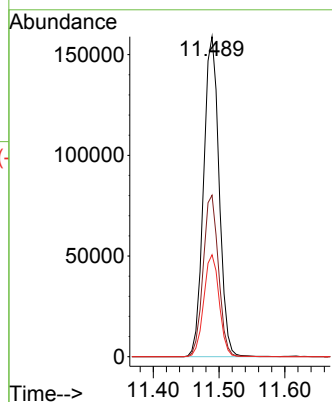
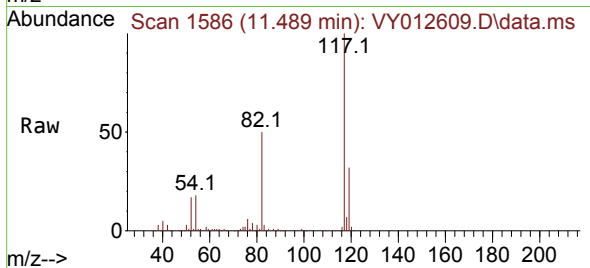
Tgt Ion:117 Resp: 260457

Ion Ratio Lower Upper

117 100

82 50.5 41.7 62.5

119 31.9 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: VY012609.D

Acq: 15 Feb 2023 12:56

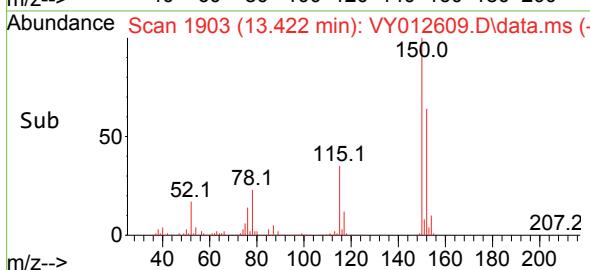
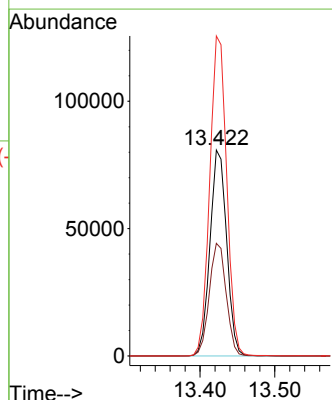
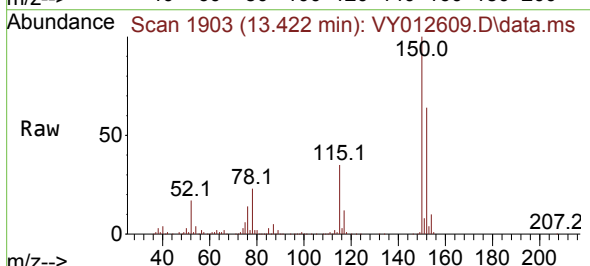
Tgt Ion:152 Resp: 125155

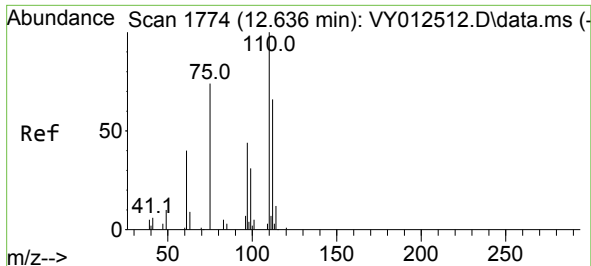
Ion Ratio Lower Upper

152 100

115 55.5 28.1 84.3

150 158.1 0.0 351.0

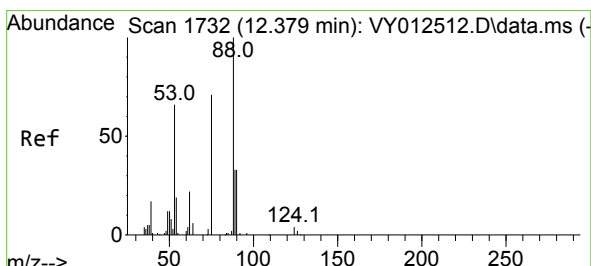
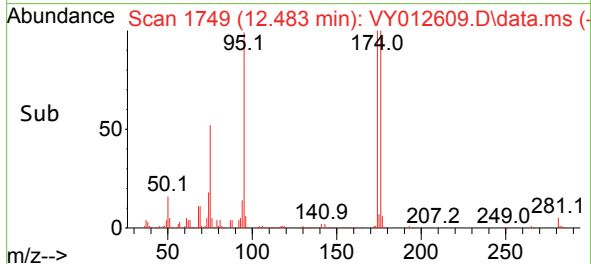
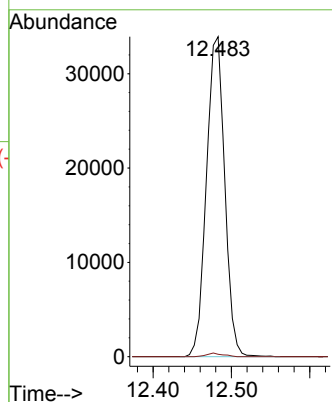
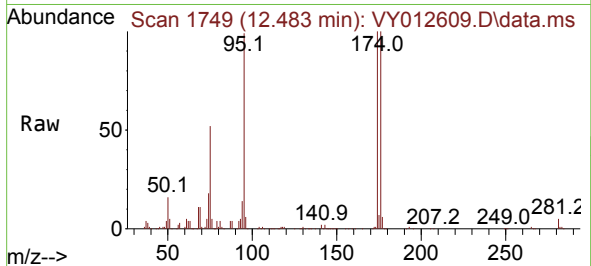




#76
1,2,3-Trichloropropane
Concen: 39.312 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012609.D
Acq: 15 Feb 2023 12:56

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 54969
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.651 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012609.D
Acq: 15 Feb 2023 12:56

Tgt Ion: 75 Resp: 54969
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#

