

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103023\
 Data File : VY016138.D
 Acq On : 30 Oct 2023 18:12
 Operator : SY/MD
 Sample : 05138-01
 Misc : 4.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 31 01:33:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

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

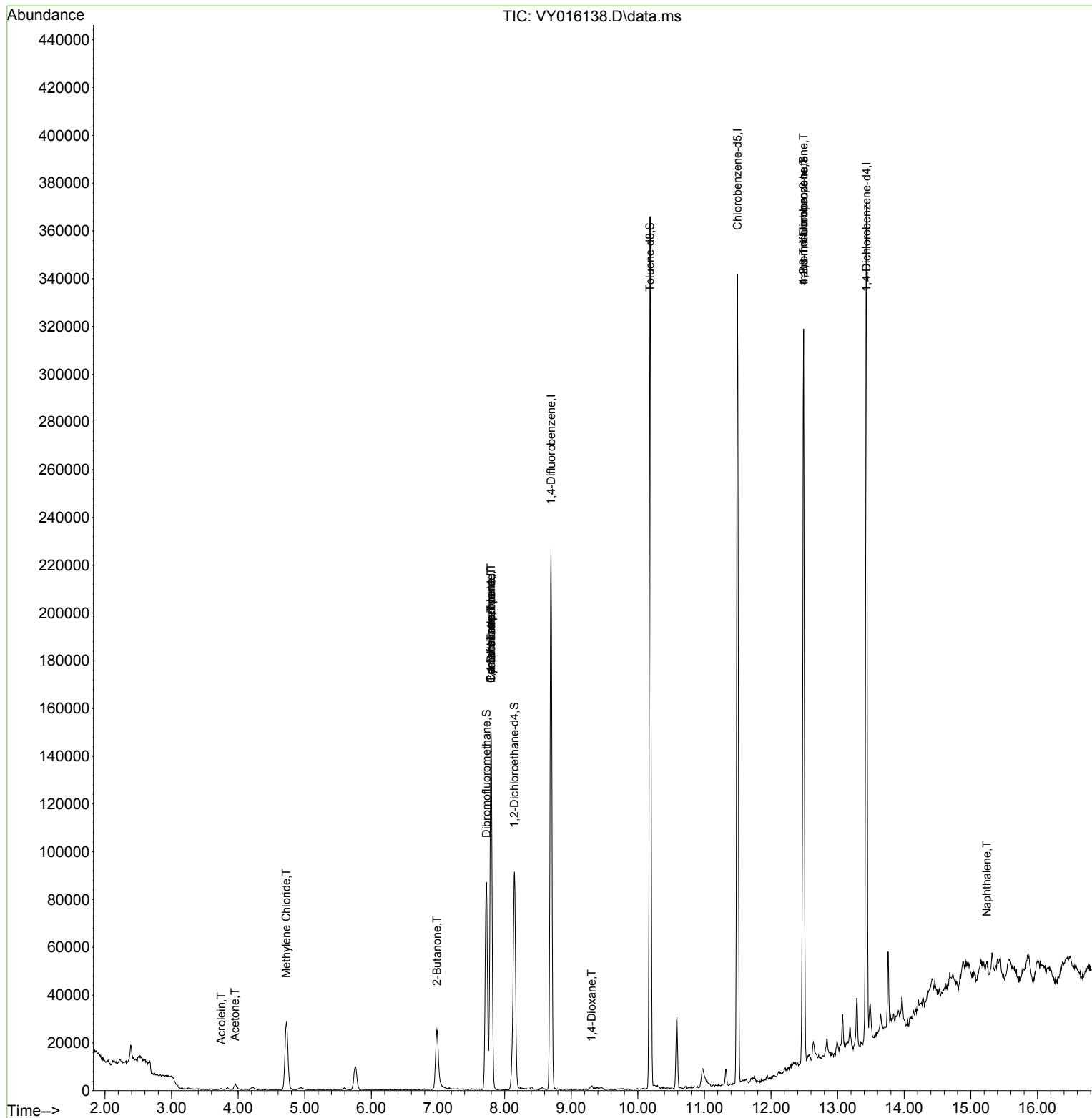
Internal Standards						
1) Pentafluorobenzene	7.795	168	118370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	196953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	187050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	92135	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	69248	58.833	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.660%	
35) Dibromofluoromethane	7.728	113	62885	50.577	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.160%	
50) Toluene-d8	10.185	98	235038	51.033	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.060%	
62) 4-Bromofluorobenzene	12.489	95	84351	53.392	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	748	Below Cal	#	89
13) Acrolein	3.747	56	491	3.349	ug/l	85
16) Acetone	3.954	43	3892	12.200	ug/l	92
20) Methylene Chloride	4.722	84	22694	14.080	ug/l	90
25) 2-Butanone	6.984	43	1809	4.201	ug/l #	75
31) Cyclohexane	7.795	56	2218	1.198	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	8879	5.123	ug/l #	51
38) Carbon Tetrachloride	7.795	117	11566	6.311	ug/l #	16
49) 1,4-Dioxane	9.307	88	1613	177.046	ug/l #	58
76) 1,2,3-Trichloropropane	12.489	75	45655	48.535	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	45655	105.472	ug/l #	11
95) Naphthalene	15.239	128	4621	1.416	ug/l #	90

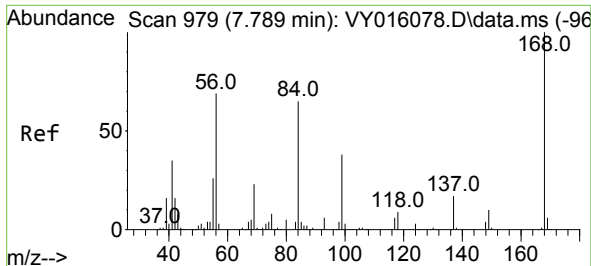
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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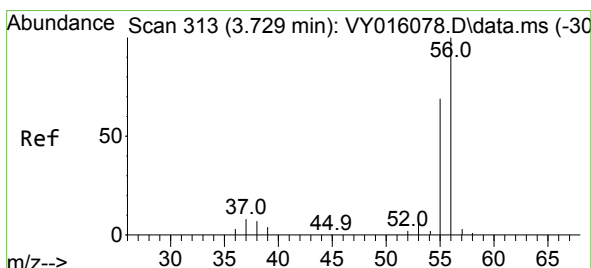
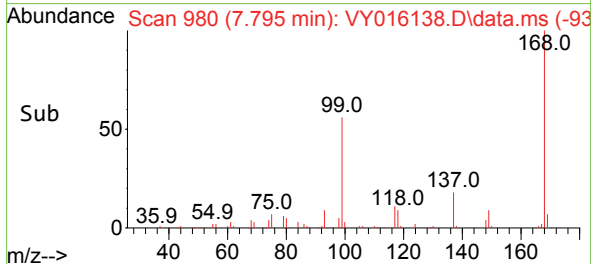
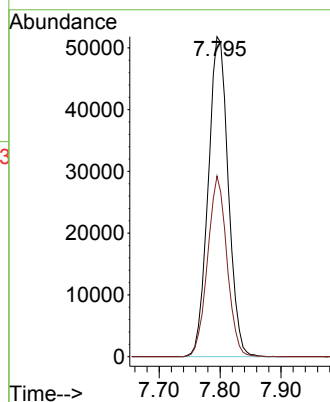
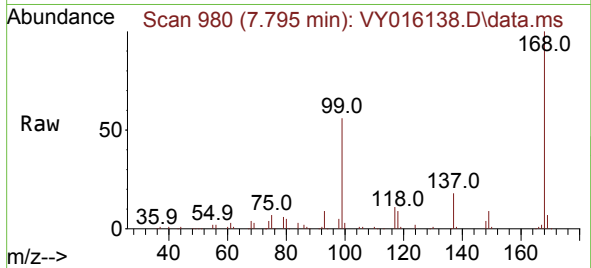




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016138.D
Acq: 30 Oct 2023 18:12

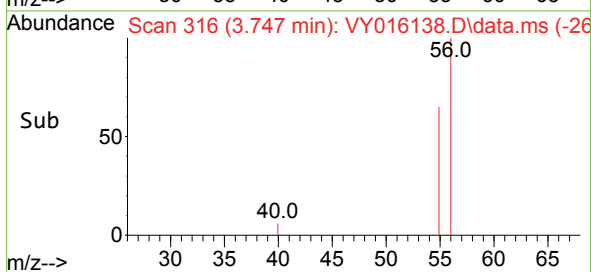
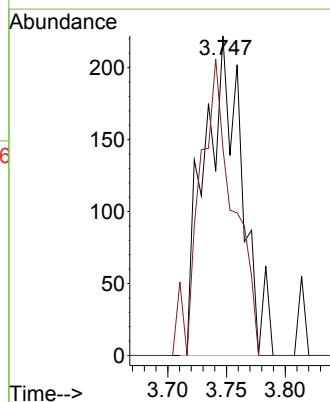
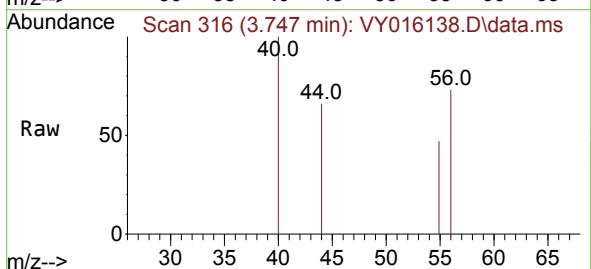
Instrument :
MSVOA_Y
ClientSampleId :

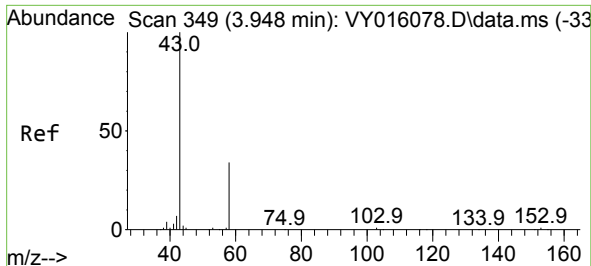
Tgt Ion:168 Resp: 118370
Ion Ratio Lower Upper
168 100
99 56.4 43.4 65.0



#13
Acrolein
Concen: 3.349 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.018 min
Lab File: VY016138.D
Acq: 30 Oct 2023 18:12

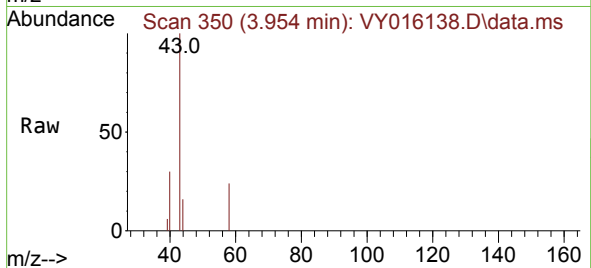
Tgt Ion: 56 Resp: 491
Ion Ratio Lower Upper
56 100
55 83.7 57.0 85.4



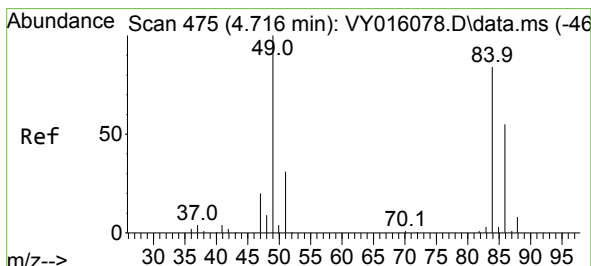
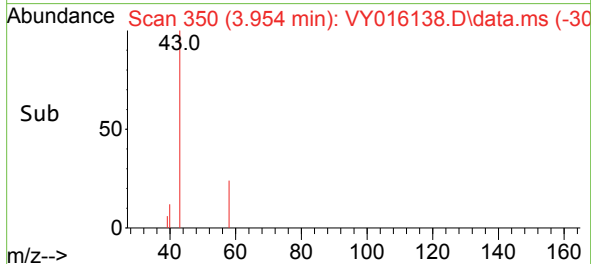
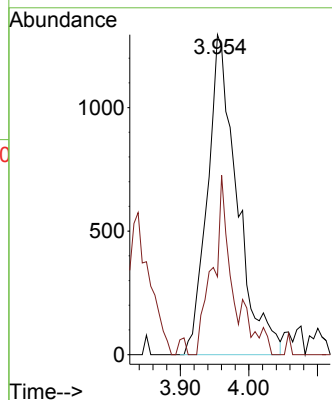


#16
Acetone
Concen: 12.200 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY016138.D
Acq: 30 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :

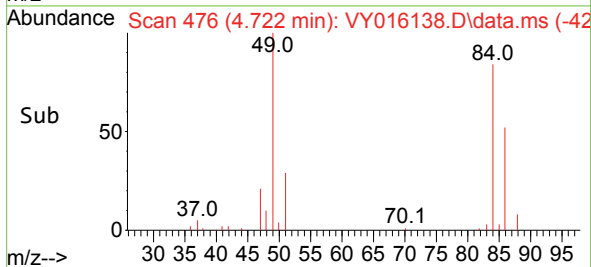
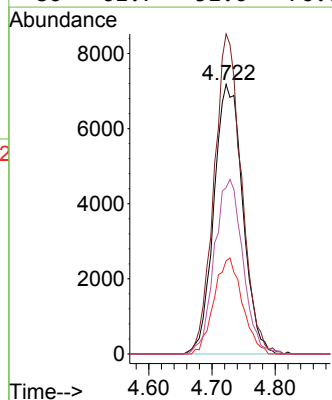
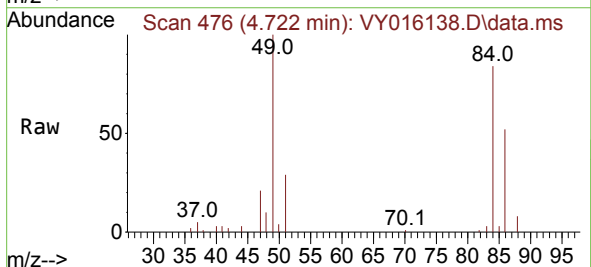


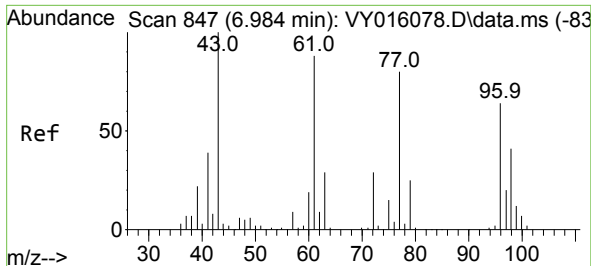
Tgt Ion: 43 Resp: 3892
Ion Ratio Lower Upper
43 100
58 24.3 22.7 34.1



#20
Methylene Chloride
Concen: 14.080 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY016138.D
Acq: 30 Oct 2023 18:12

Tgt Ion: 84 Resp: 22694
Ion Ratio Lower Upper
84 100
49 118.7 106.9 160.3
51 34.6 33.2 49.8
86 61.7 51.0 76.6





#25

2-Butanone

Concen: 4.201 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.000 min

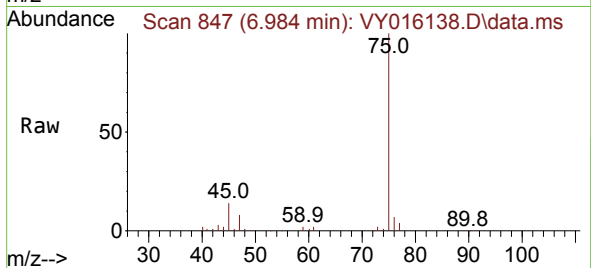
Lab File: VY016138.D

Acq: 30 Oct 2023 18:12

Instrument :

MSVOA_Y

ClientSampleId :

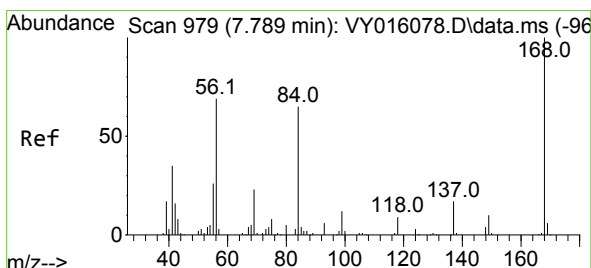
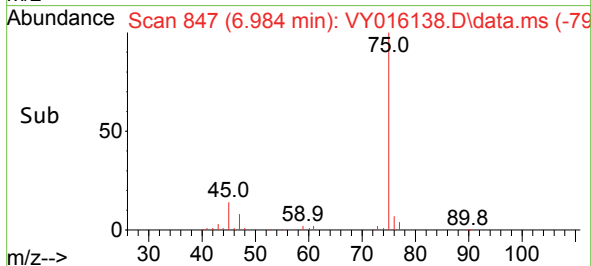
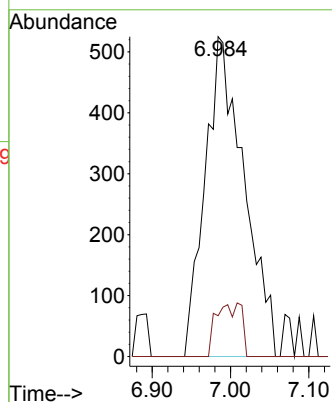


Tgt Ion: 43 Resp: 1809

Ion Ratio Lower Upper

43 100

72 12.8 20.5 30.7#



#31

Cyclohexane

Concen: 1.198 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY016138.D

Acq: 30 Oct 2023 18:12

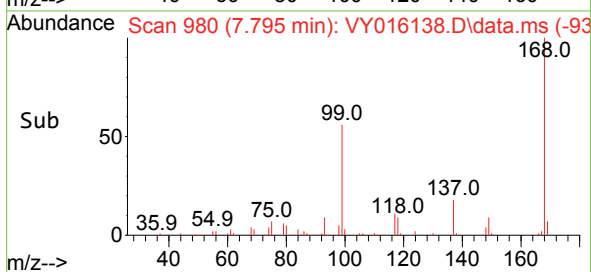
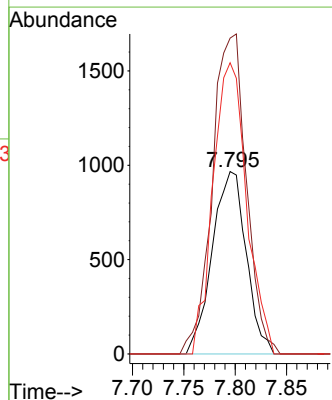
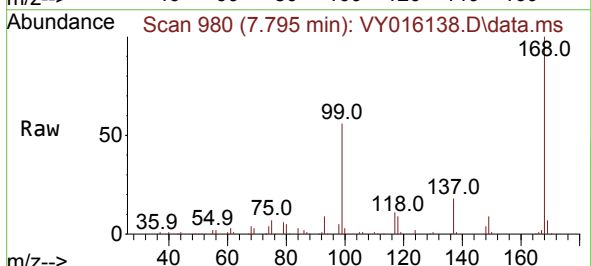
Tgt Ion: 56 Resp: 2218

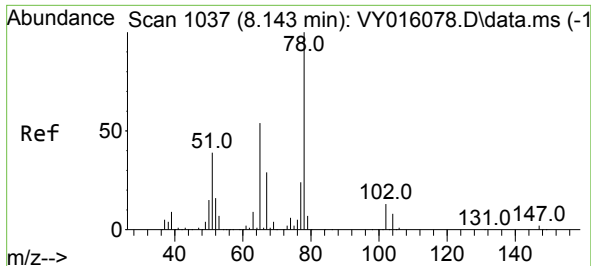
Ion Ratio Lower Upper

56 100

69 173.1 27.8 41.6#

84 159.6 66.4 99.6#

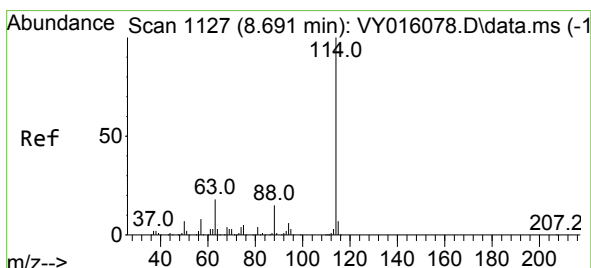
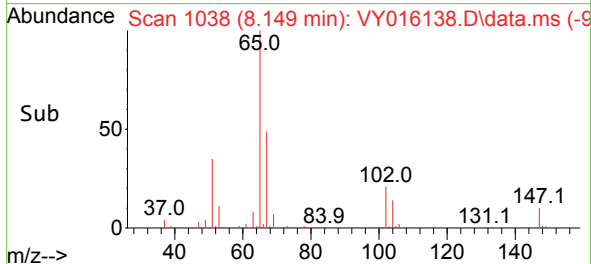
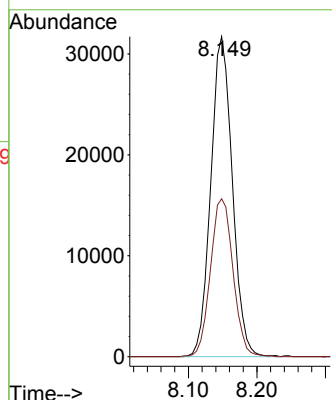
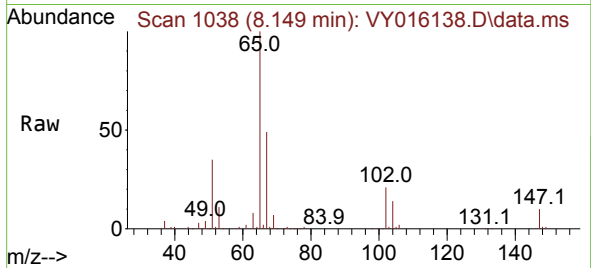




#33
 1,2-Dichloroethane-d4
 Concen: 58.833 ug/l
 RT: 8.149 min Scan# 1037
 Delta R.T. 0.006 min
 Lab File: VY016138.D
 Acq: 30 Oct 2023 18:12

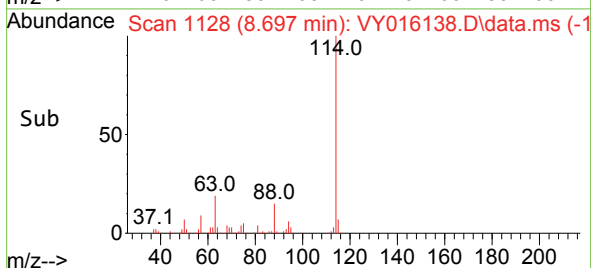
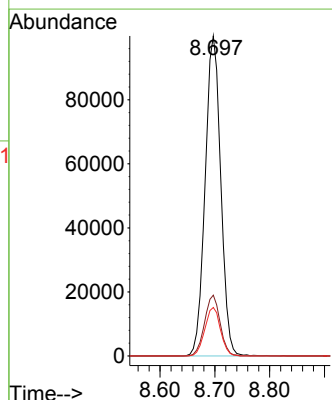
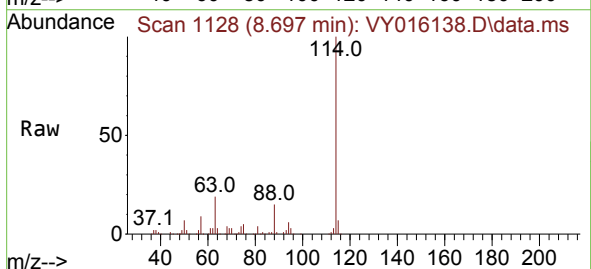
Instrument :
 MSVOA_Y
 ClientSampleId :

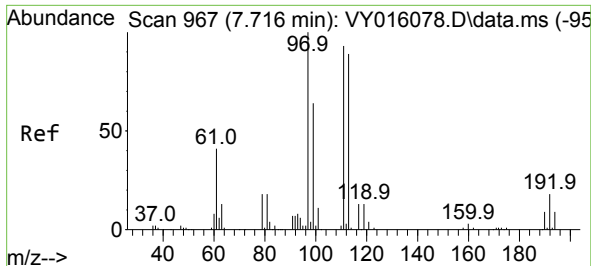
Tgt Ion: 65 Resp: 69248
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.006 min
 Lab File: VY016138.D
 Acq: 30 Oct 2023 18:12

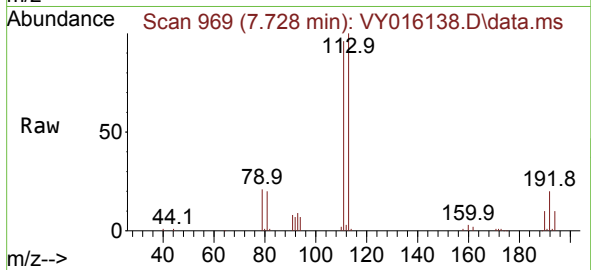
Tgt Ion: 114 Resp: 196953
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 42.4
 88 15.2 0.0 30.6



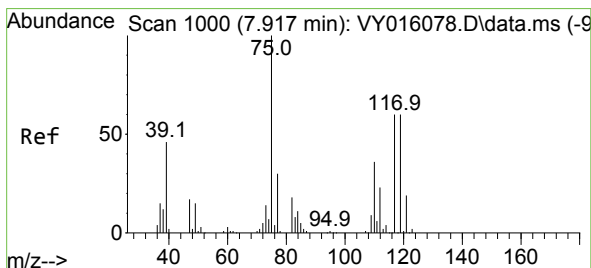
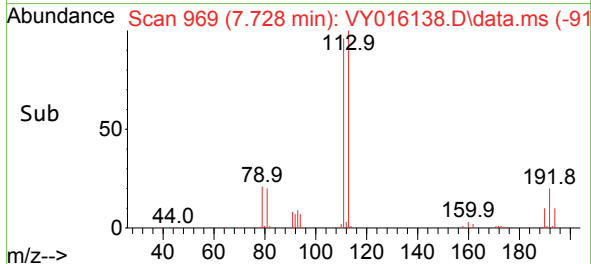
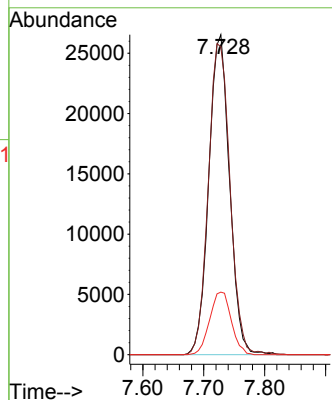


#35
Dibromofluoromethane
Concen: 50.577 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY016138.D
Acq: 30 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :

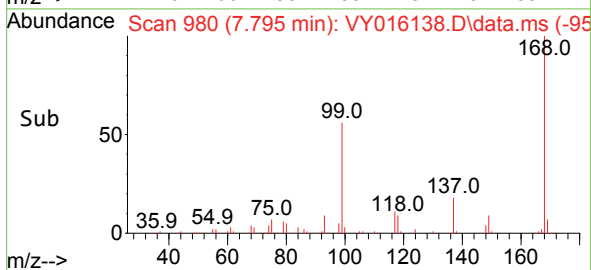
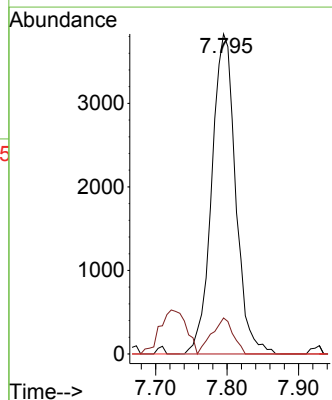
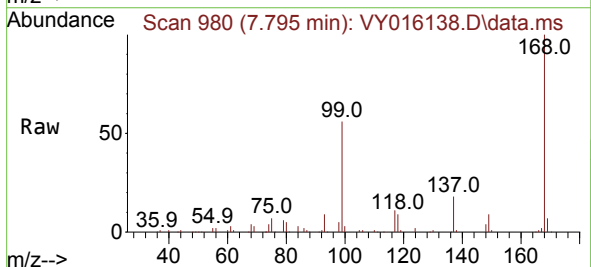


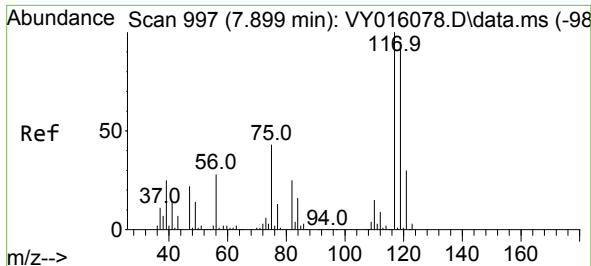
Tgt Ion:113 Resp: 62885
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 20.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.123 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY016138.D
Acq: 30 Oct 2023 18:12

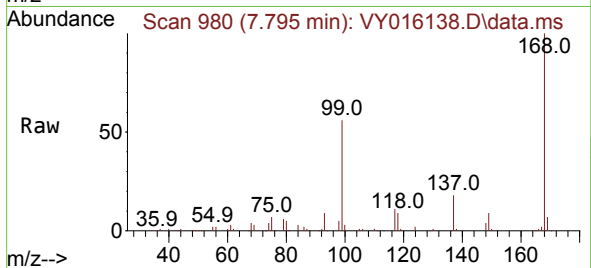
Tgt Ion: 75 Resp: 8879
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#



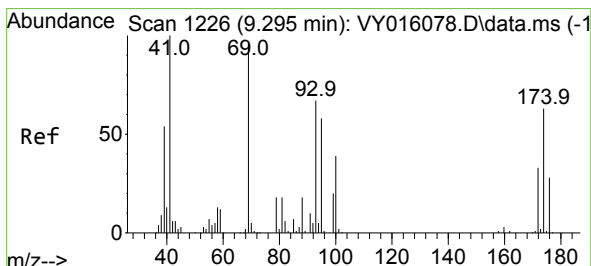
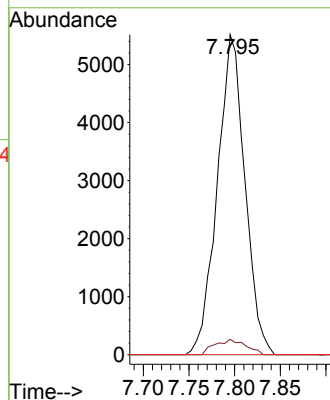
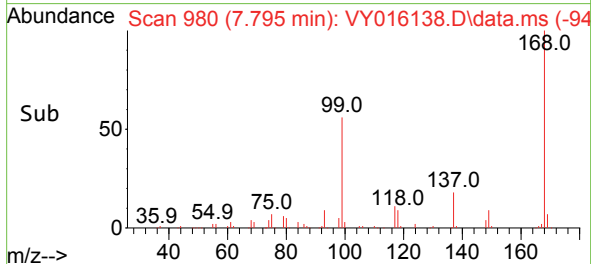


#38
Carbon Tetrachloride
Concen: 6.311 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY016138.D
Acq: 30 Oct 2023 18:12

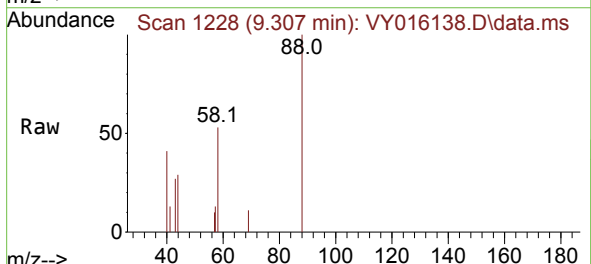
Instrument :
MSVOA_Y
ClientSampleId :



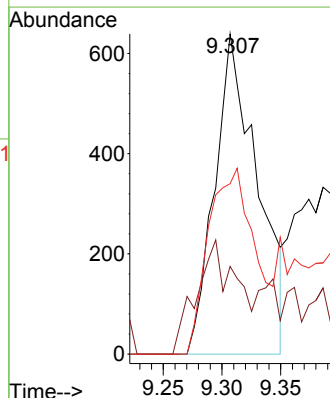
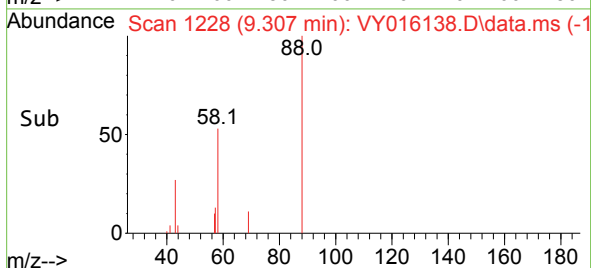
Tgt Ion:117 Resp: 11566
Ion Ratio Lower Upper
117 100
119 4.8 76.4 114.6#
121 0.0 25.8 38.6#

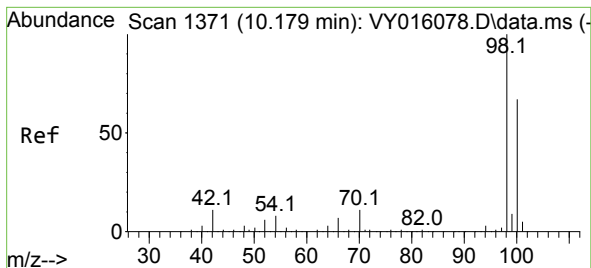


#49
1,4-Dioxane
Concen: 177.046 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. 0.012 min
Lab File: VY016138.D
Acq: 30 Oct 2023 18:12



Tgt Ion: 88 Resp: 1613
Ion Ratio Lower Upper
88 100
43 33.8 0.0 0.0#
58 63.9 30.9 46.3#





#50

Toluene-d8

Concen: 51.033 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016138.D

Acq: 30 Oct 2023 18:12

Instrument :

MSVOA_Y

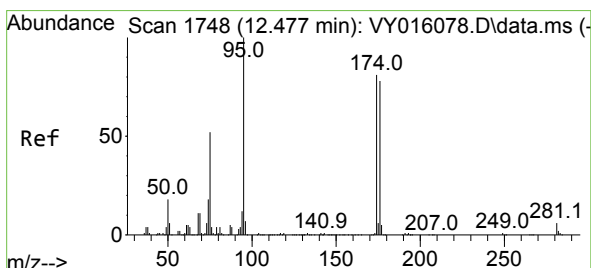
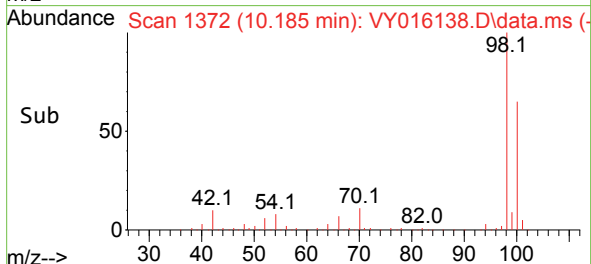
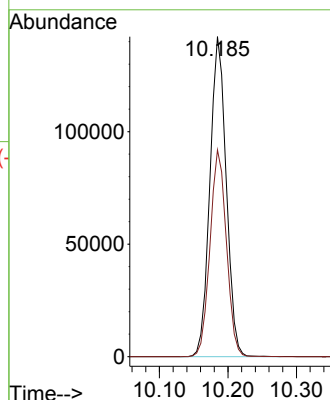
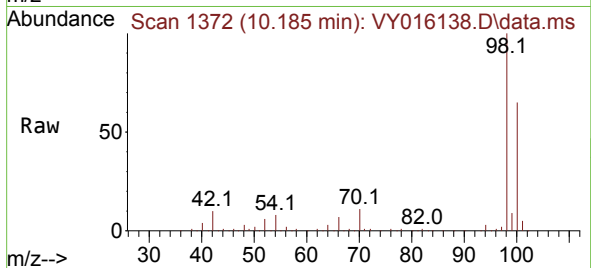
ClientSampleId :

Tgt Ion: 98 Resp: 235038

Ion Ratio Lower Upper

98 100

100 64.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 53.392 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.012 min

Lab File: VY016138.D

Acq: 30 Oct 2023 18:12

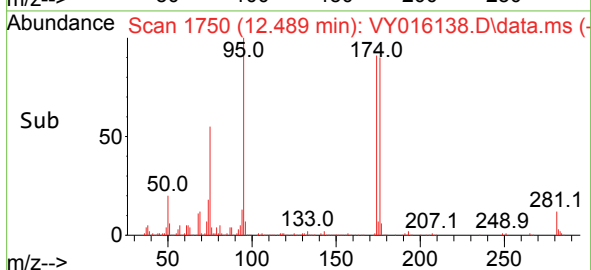
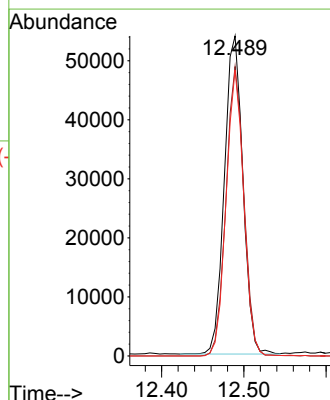
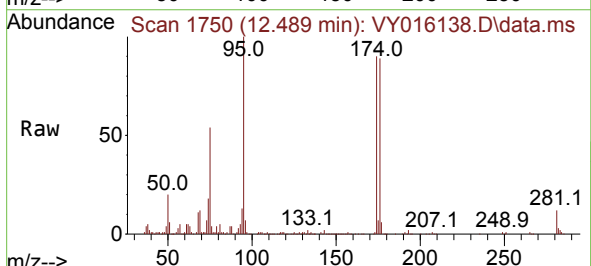
Tgt Ion: 95 Resp: 84351

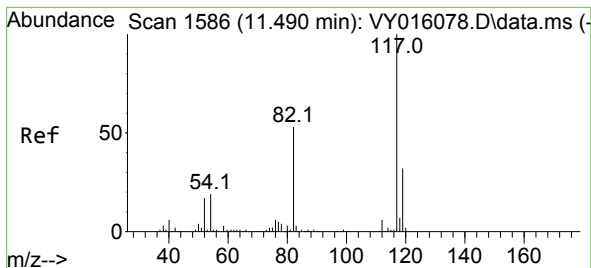
Ion Ratio Lower Upper

95 100

174 88.3 0.0 178.2

176 85.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

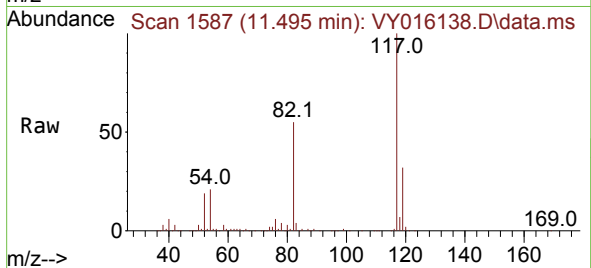
Lab File: VY016138.D

Acq: 30 Oct 2023 18:12

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MSVOA_Y

ClientSampleId :



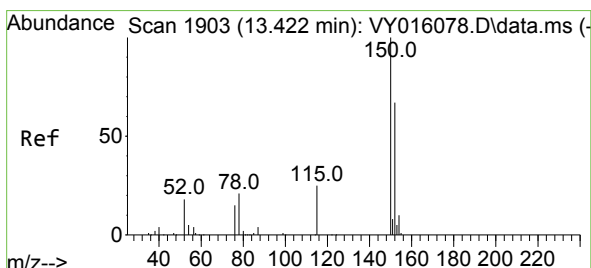
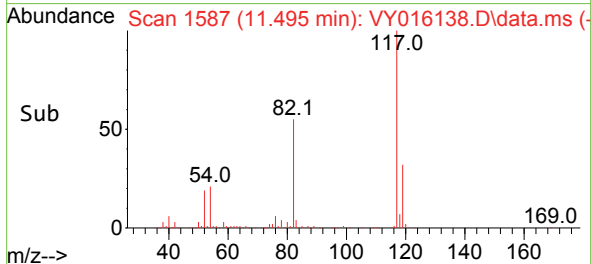
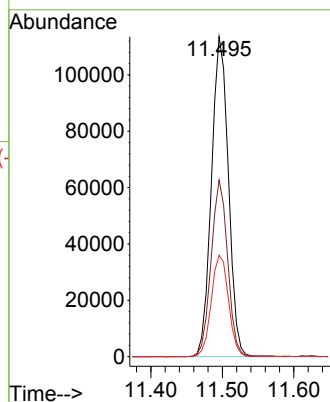
Tgt Ion:117 Resp: 187050

Ion Ratio Lower Upper

117 100

82 55.1 43.4 65.0

119 31.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY016138.D

Acq: 30 Oct 2023 18:12

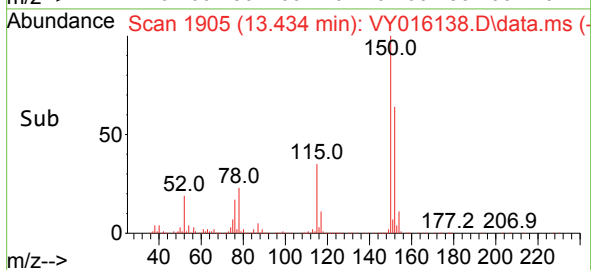
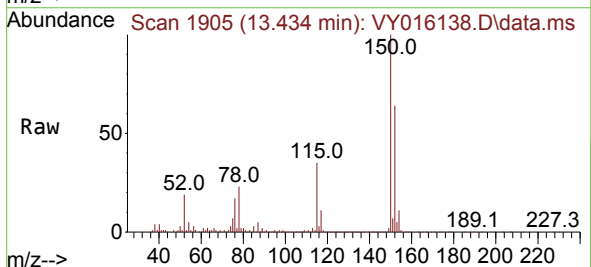
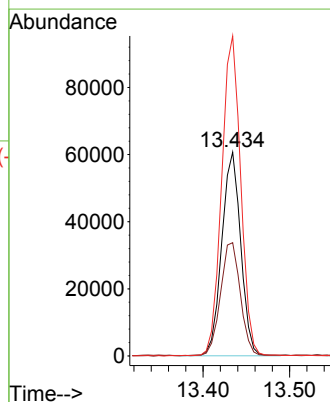
Tgt Ion:152 Resp: 92135

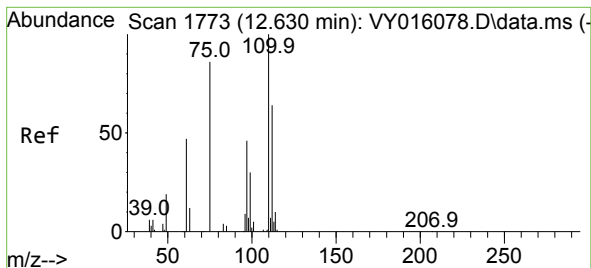
Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 158.2 0.0 348.8

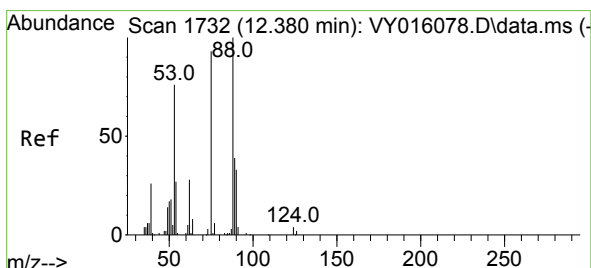
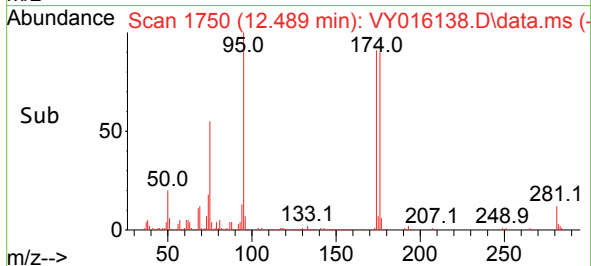
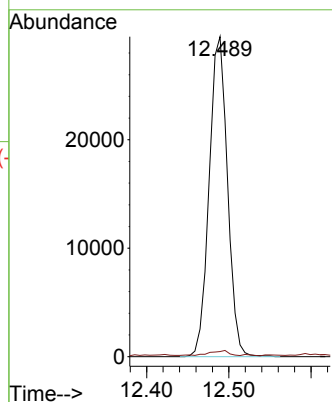
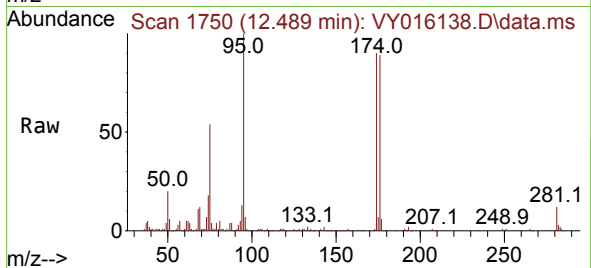




#76
1,2,3-Trichloropropane
Concen: 48.535 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.140 min
Lab File: VY016138.D
Acq: 30 Oct 2023 18:12

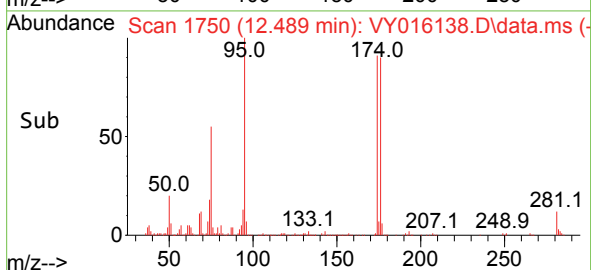
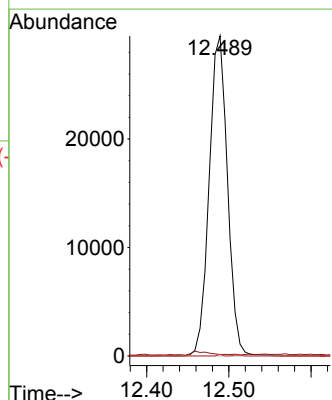
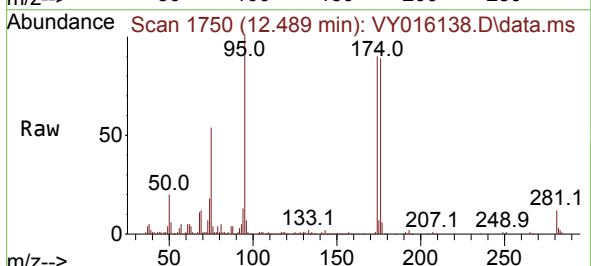
Instrument :
MSVOA_Y
ClientSampleId :

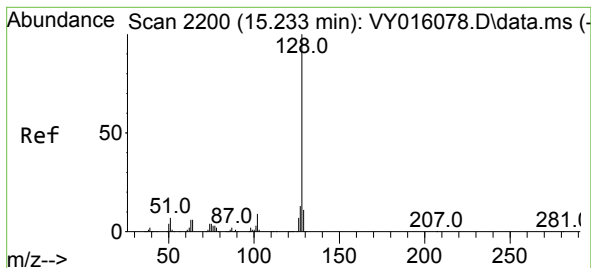
Tgt Ion: 75 Resp: 45655
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.472 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY016138.D
Acq: 30 Oct 2023 18:12

Tgt Ion: 75 Resp: 45655
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#





#95

Naphthalene

Concen: 1.416 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

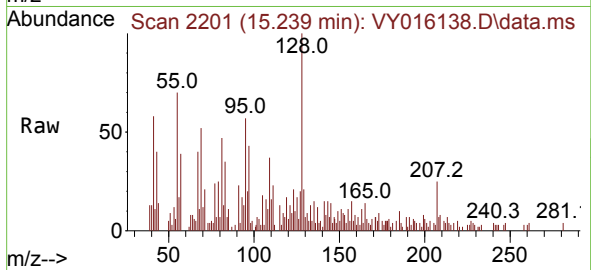
Lab File: VY016138.D

Acq: 30 Oct 2023 18:12

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 4621

Ion Ratio Lower Upper

128 100

127 15.5 10.8 16.2

129 16.8 8.6 13.0#

