

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101923\
 Data File : VY016049.D
 Acq On : 19 Oct 2023 19:53
 Operator : SY/MD
 Sample : 04981-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 20 05:41:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

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

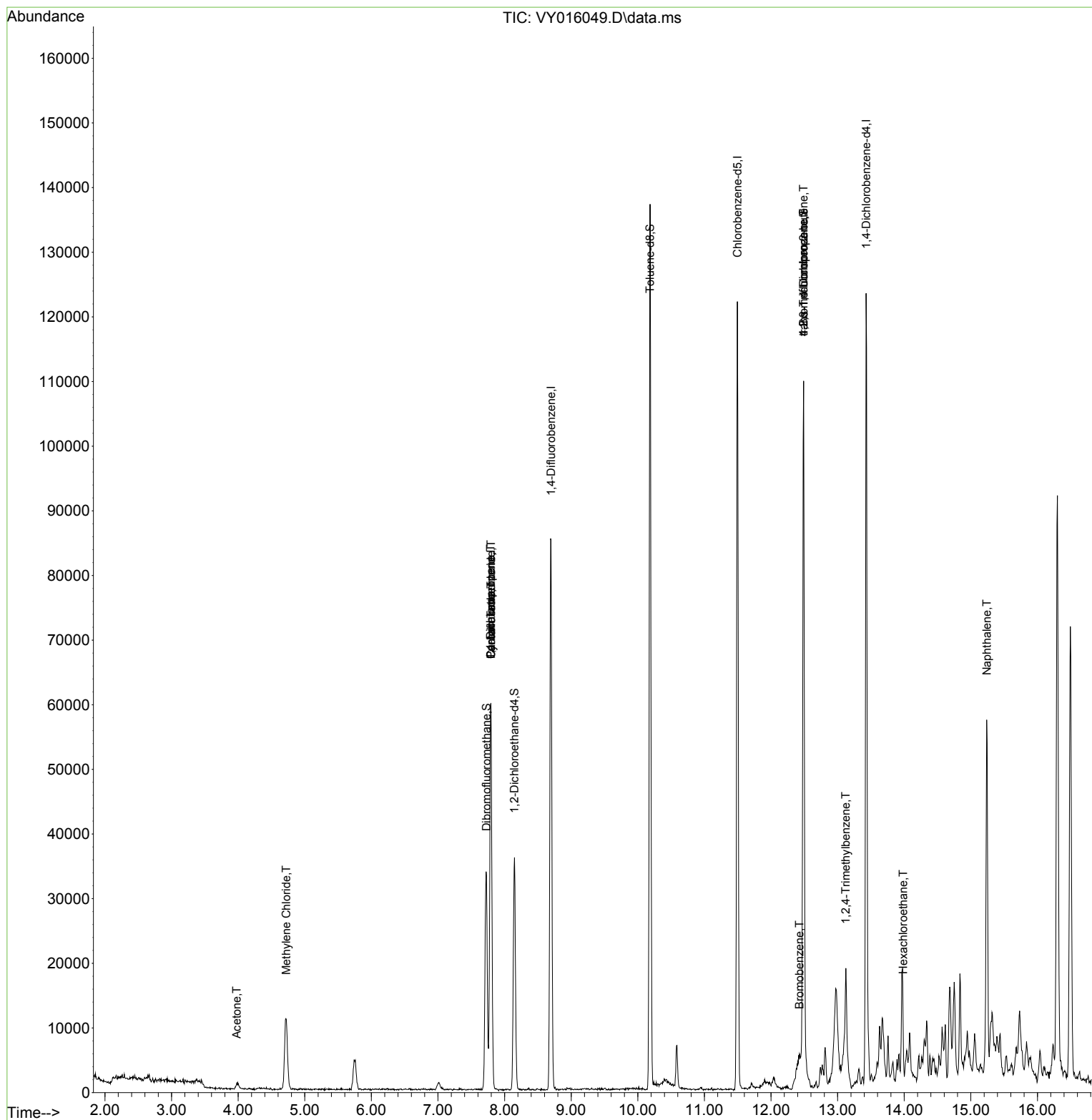
Internal Standards						
1) Pentafluorobenzene	7.795	168	47647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	76017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	68426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	32077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	29056	53.654	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.300%	
35) Dibromofluoromethane	7.728	113	24490	48.945	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.900%	
50) Toluene-d8	10.185	98	87915	48.379	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.760%	
62) 4-Bromofluorobenzene	12.489	95	28657	44.196	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.400%	
Target Compounds						
					Qvalue	
13) Acrolein	3.753	56	19	Below Cal	#	14
16) Acetone	3.979	43	2145	10.685	ug/l #	85
20) Methylene Chloride	4.722	84	8904	14.931	ug/l	88
31) Cyclohexane	7.795	56	888	1.048	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	3603	4.786	ug/l #	50
38) Carbon Tetrachloride	7.795	117	4482	5.602	ug/l #	15
76) 1,2,3-Trichloropropane	12.489	75	15347	33.791	ug/l #	100
77) Bromobenzene	12.428	156	4915	8.439	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.489	75	15347	73.762	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	5914	2.997	ug/l	92
90) Hexachloroethane	13.983	117	415	1.001	ug/l #	8
95) Naphthalene	15.239	128	46650	28.677	ug/l	99

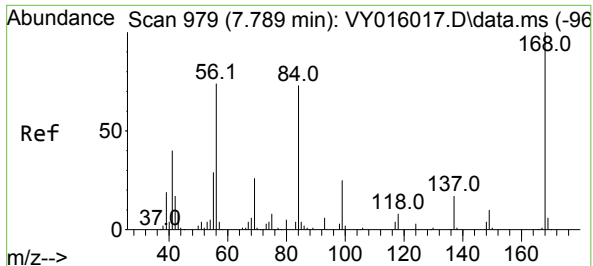
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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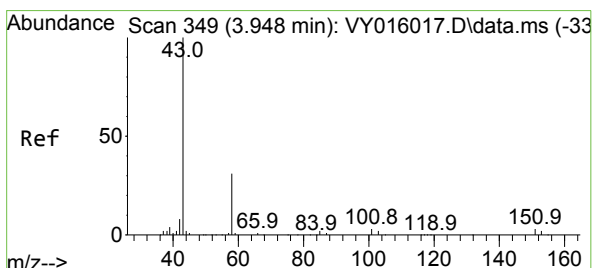
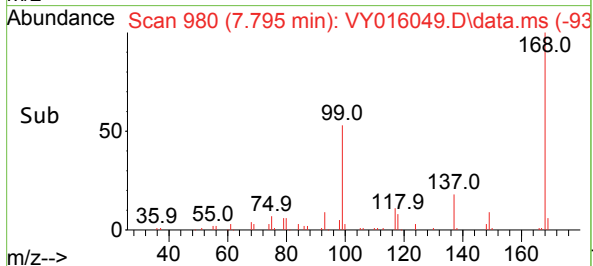
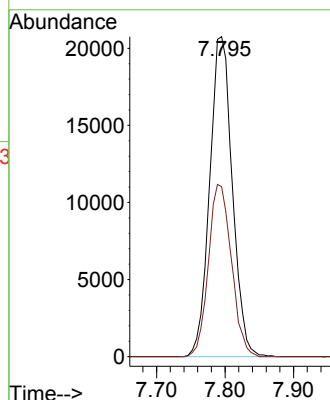
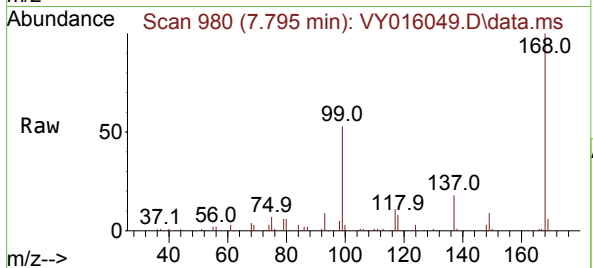




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016049.D
Acq: 19 Oct 2023 19:53

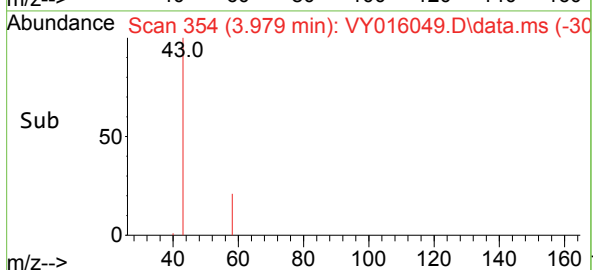
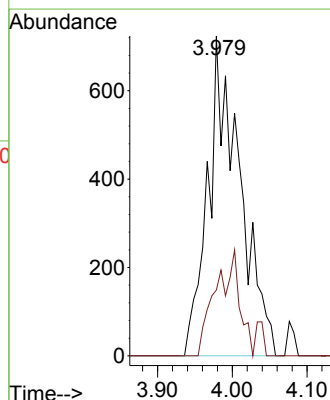
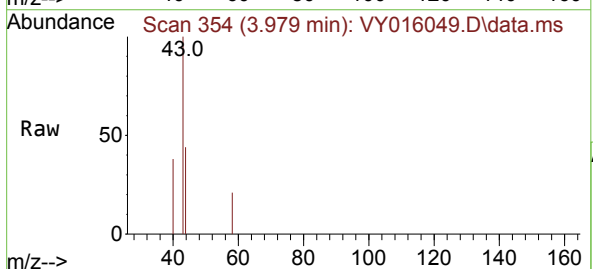
Instrument :
MSVOA_Y
ClientSampleId :

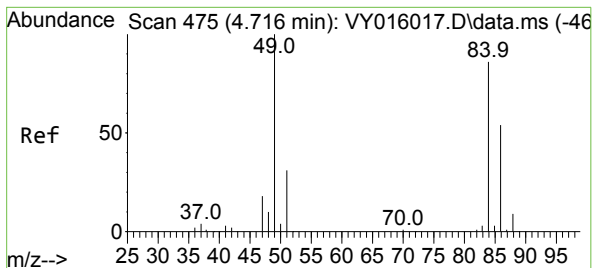
Tgt Ion:168 Resp: 47647
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#16
Acetone
Concen: 10.685 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.030 min
Lab File: VY016049.D
Acq: 19 Oct 2023 19:53

Tgt Ion: 43 Resp: 2145
Ion Ratio Lower Upper
43 100
58 20.6 22.7 34.1#





#20

Methylene Chloride

Concen: 14.931 ug/l

RT: 4.722 min Scan# 41

Delta R.T. 0.006 min

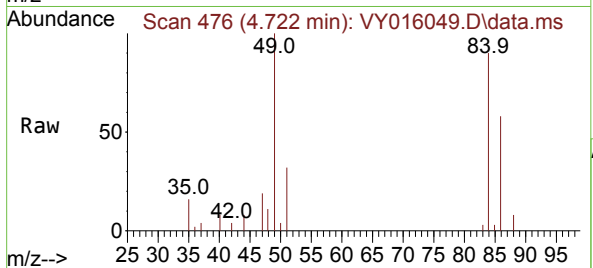
Lab File: VY016049.D

Acq: 19 Oct 2023 19:53

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 8904

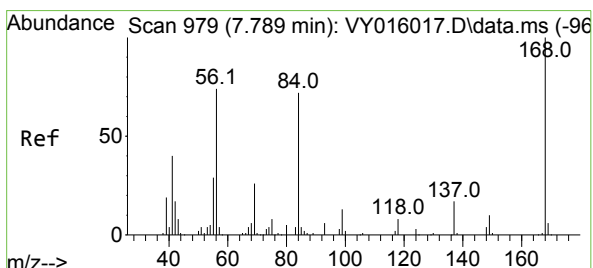
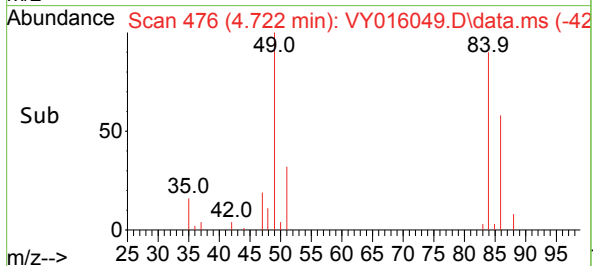
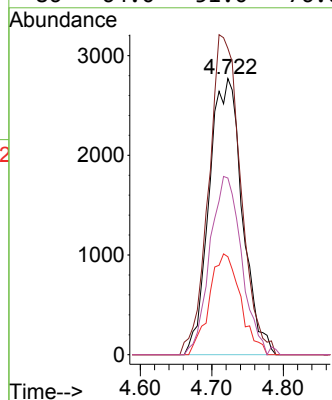
Ion Ratio Lower Upper

84 100

49 110.9 106.9 160.3

51 35.5 33.2 49.8

86 64.0 51.0 76.6



#31

Cyclohexane

Concen: 1.048 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY016049.D

Acq: 19 Oct 2023 19:53

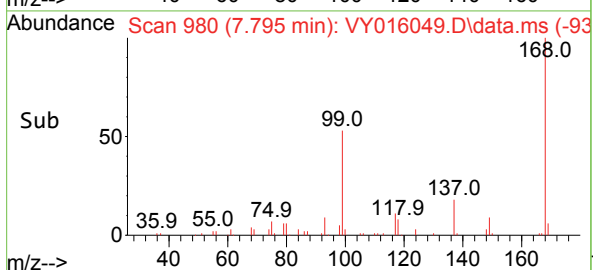
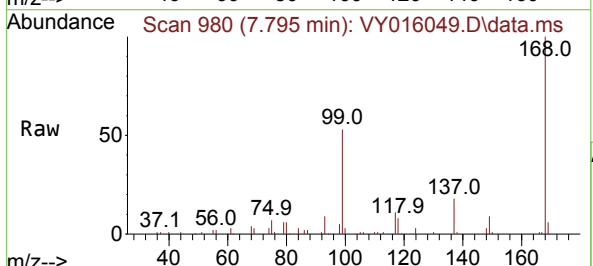
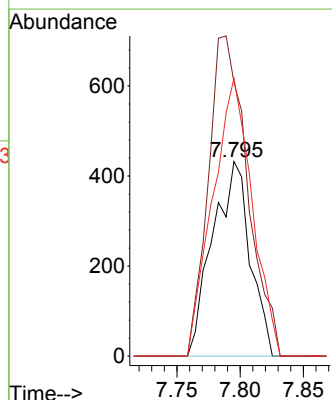
Tgt Ion: 56 Resp: 888

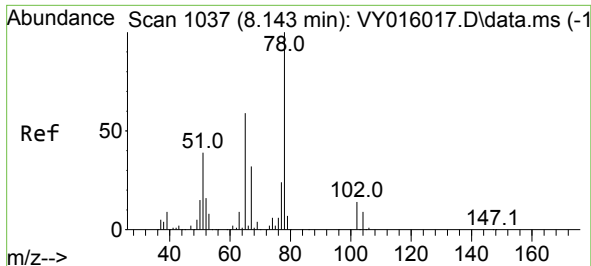
Ion Ratio Lower Upper

56 100

69 140.7 27.8 41.6#

84 142.8 66.4 99.6#

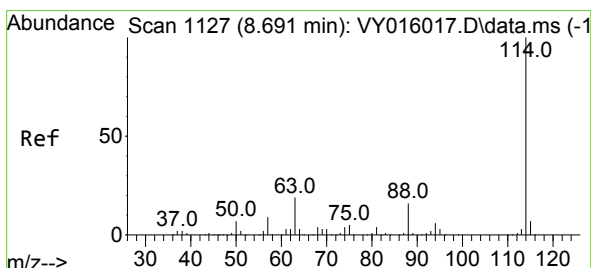
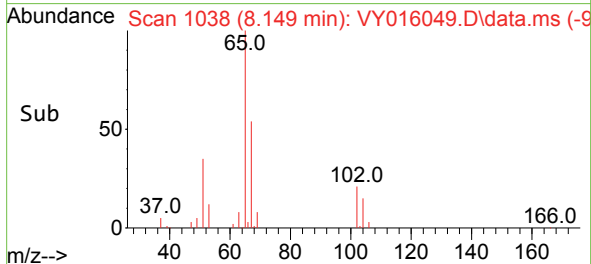
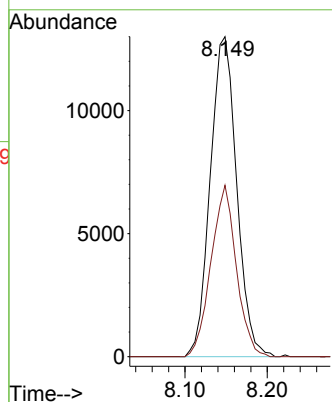
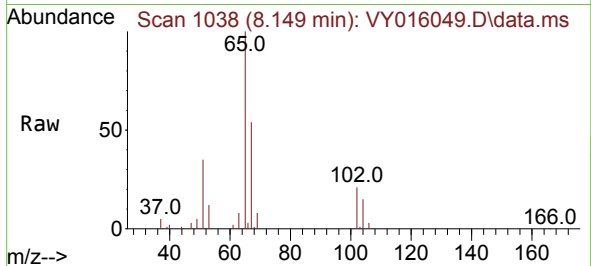




#33
 1,2-Dichloroethane-d4
 Concen: 53.654 ug/l
 RT: 8.149 min Scan# 110
 Delta R.T. 0.006 min
 Lab File: VY016049.D
 Acq: 19 Oct 2023 19:53

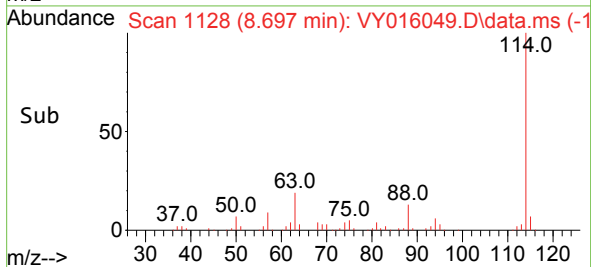
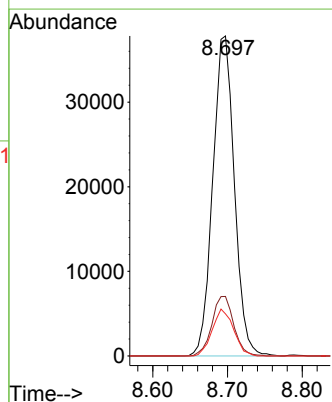
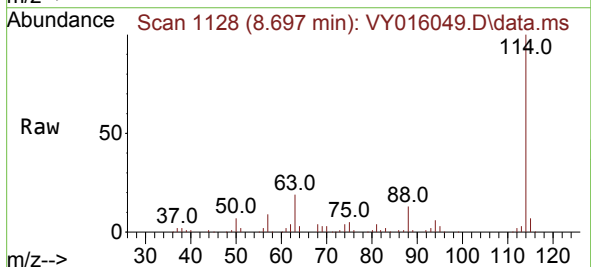
Instrument :
 MSVOA_Y
 ClientSampleId :

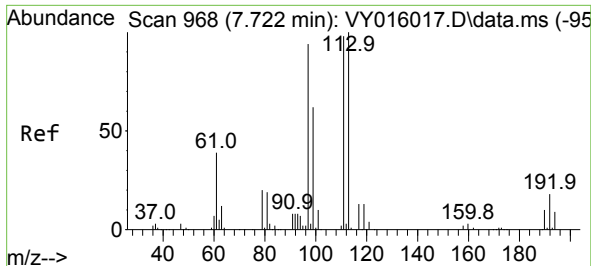
Tgt Ion: 65 Resp: 29056
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.006 min
 Lab File: VY016049.D
 Acq: 19 Oct 2023 19:53

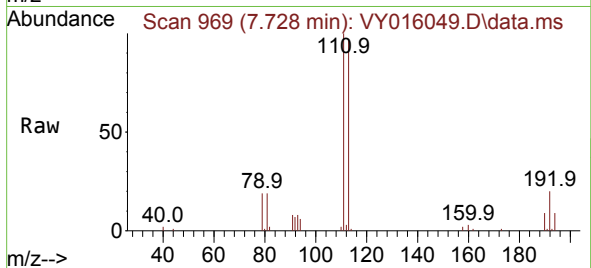
Tgt Ion:114 Resp: 76017
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 42.4
 88 13.2 0.0 30.6



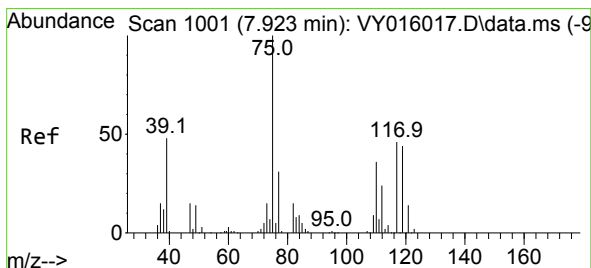
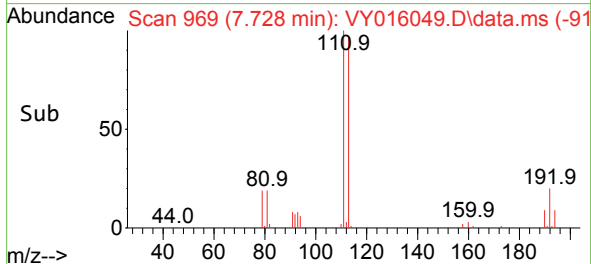
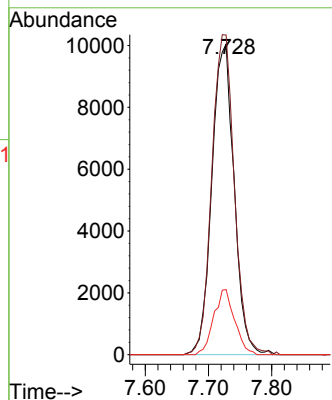


#35
Dibromofluoromethane
Concen: 48.945 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY016049.D
Acq: 19 Oct 2023 19:53

Instrument :
MSVOA_Y
ClientSampleId :

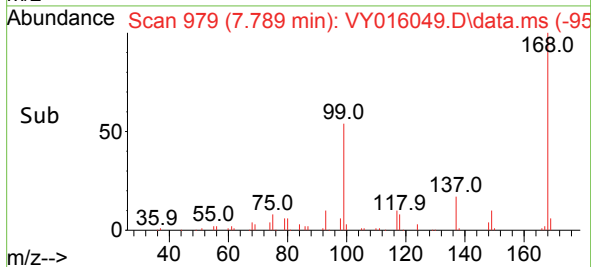
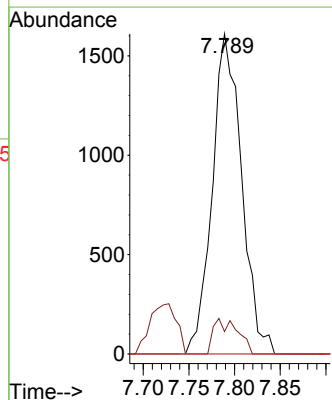
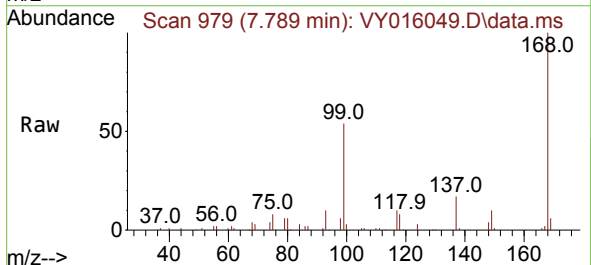


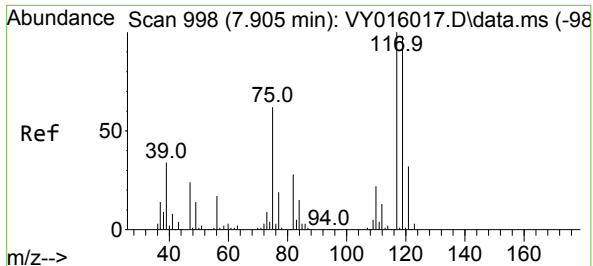
Tgt Ion:113 Resp: 24490
Ion Ratio Lower Upper
113 100
111 104.5 81.3 121.9
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.786 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY016049.D
Acq: 19 Oct 2023 19:53

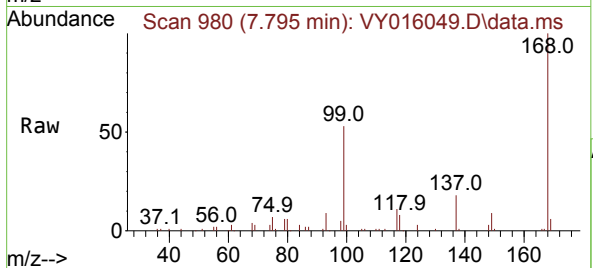
Tgt Ion: 75 Resp: 3603
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#



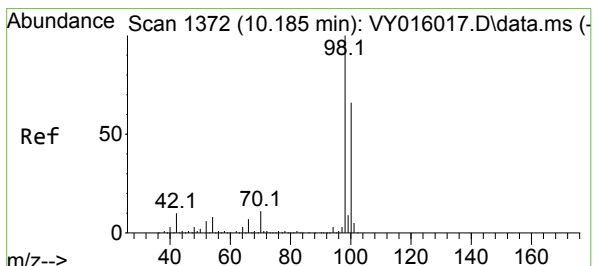
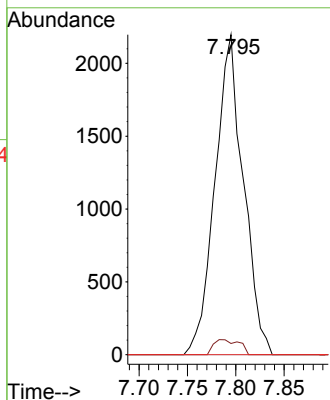
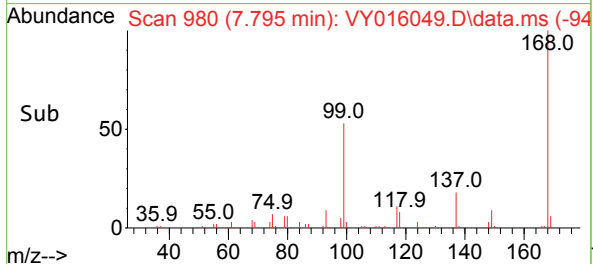


#38
Carbon Tetrachloride
Concen: 5.602 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016049.D
Acq: 19 Oct 2023 19:53

Instrument :
MSVOA_Y
ClientSampleId :

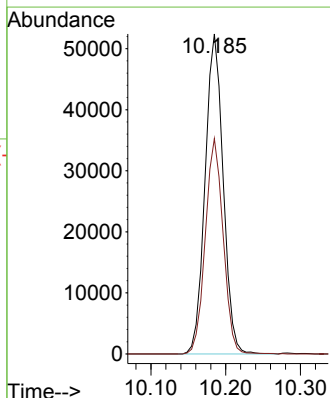
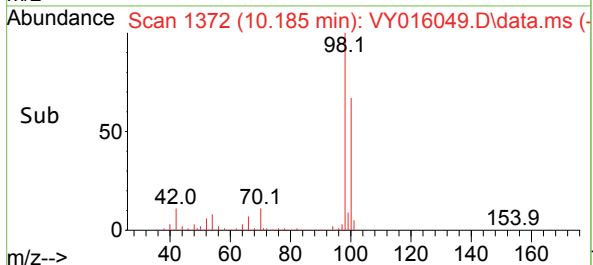
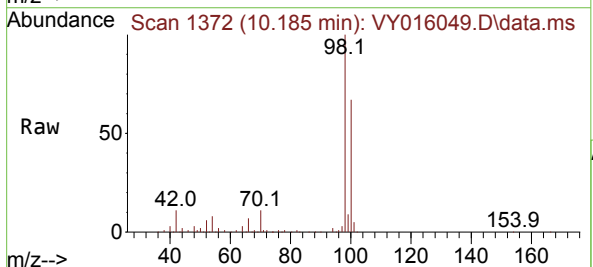


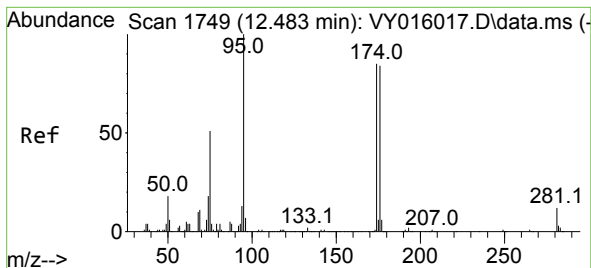
Tgt Ion:117 Resp: 4482
Ion Ratio Lower Upper
117 100
119 3.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.379 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY016049.D
Acq: 19 Oct 2023 19:53

Tgt Ion: 98 Resp: 87915
Ion Ratio Lower Upper
98 100
100 66.5 50.1 75.1

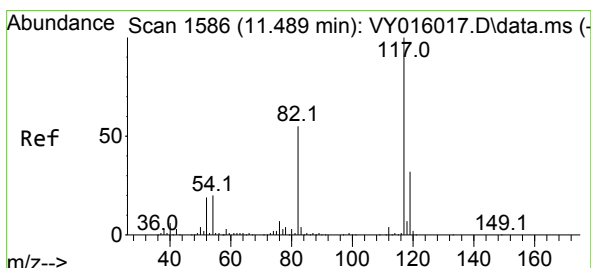
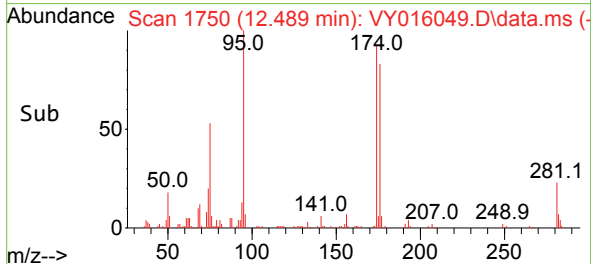
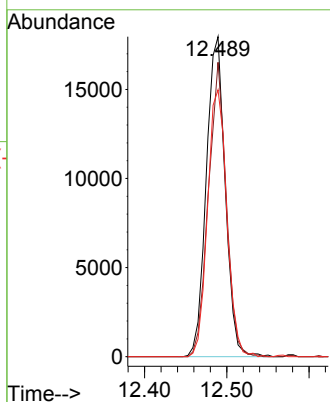
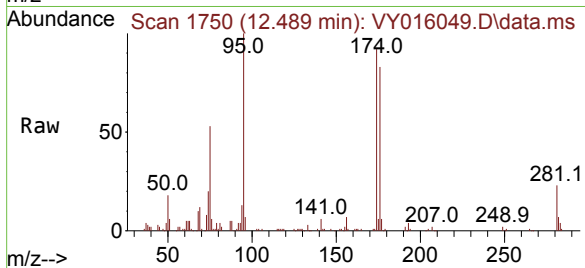




#62
4-Bromofluorobenzene
Concen: 44.196 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY016049.D
Acq: 19 Oct 2023 19:53

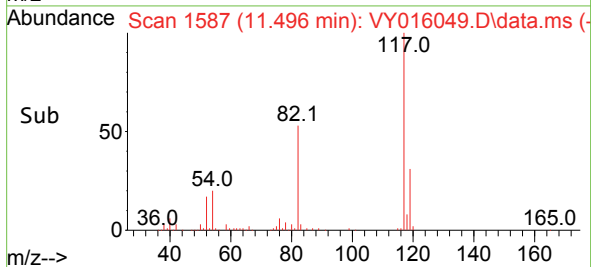
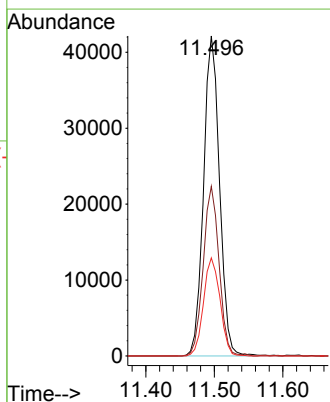
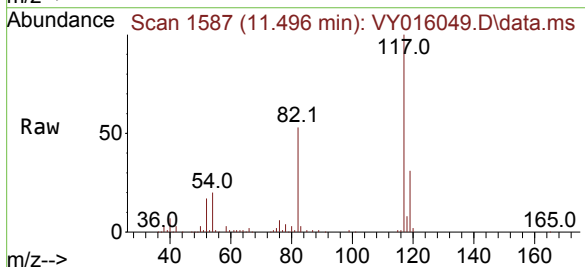
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MSVOA_Y
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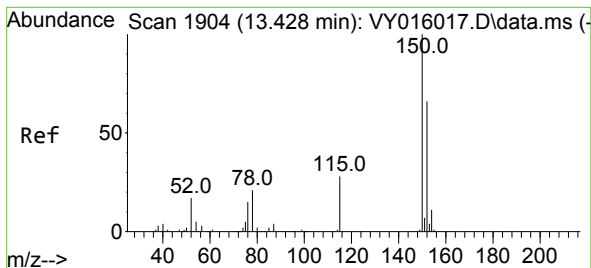
Tgt Ion: 95 Resp: 28657
Ion Ratio Lower Upper
95 100
174 87.1 0.0 178.2
176 85.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY016049.D
Acq: 19 Oct 2023 19:53

Tgt Ion: 117 Resp: 68426
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 30.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

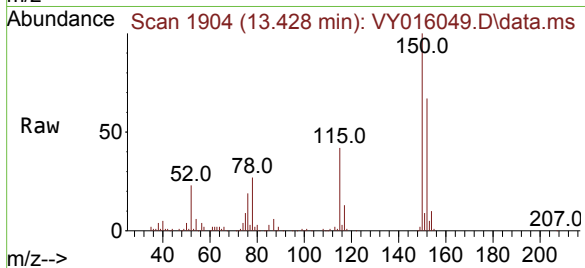
Lab File: VY016049.D

Acq: 19 Oct 2023 19:53

Instrument :

MSVOA_Y

ClientSampleId :



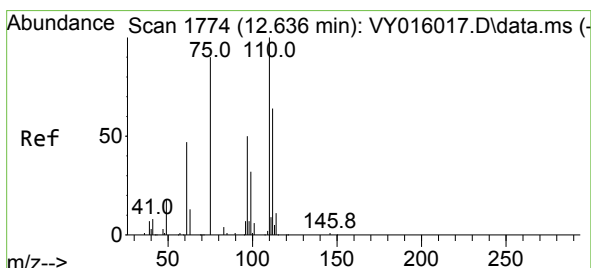
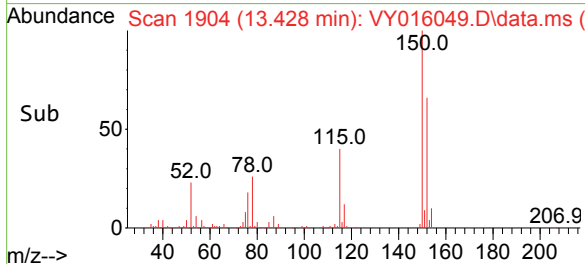
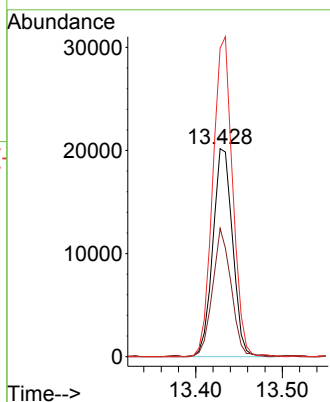
Tgt Ion:152 Resp: 32077

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 153.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 33.791 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY016049.D

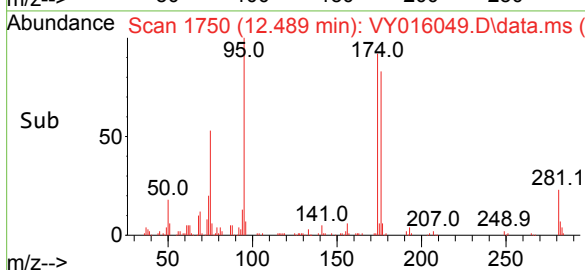
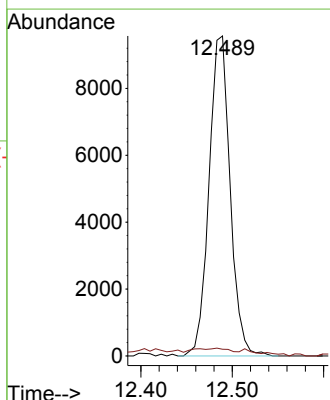
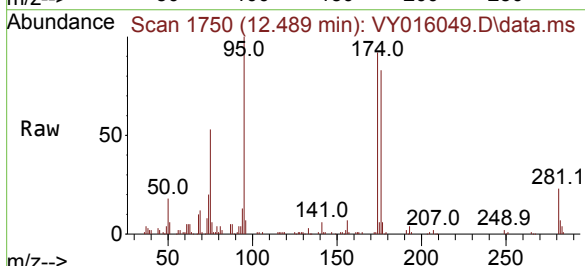
Acq: 19 Oct 2023 19:53

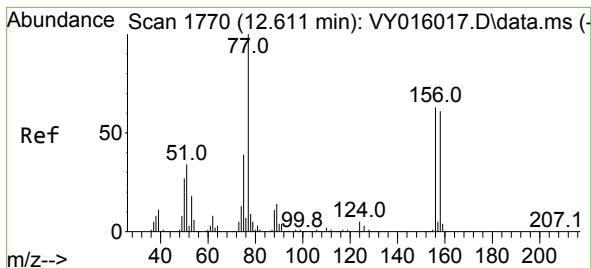
Tgt Ion: 75 Resp: 15347

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 8.439 ug/l

RT: 12.428 min Scan# 1

Delta R.T. -0.183 min

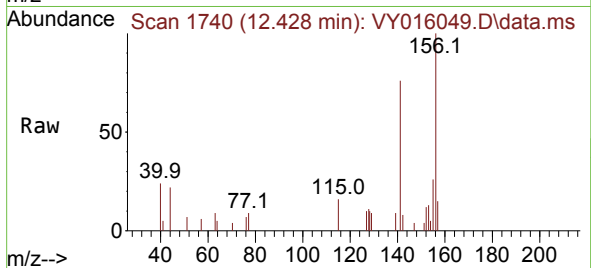
Lab File: VY016049.D

Acq: 19 Oct 2023 19:53

Instrument :

MSVOA_Y

ClientSampleId :



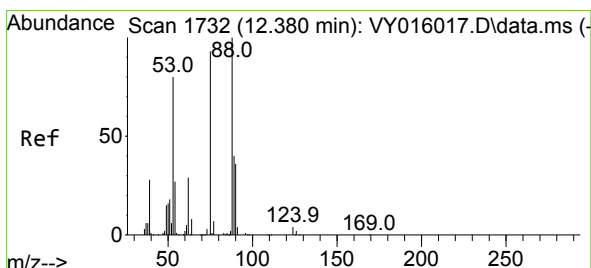
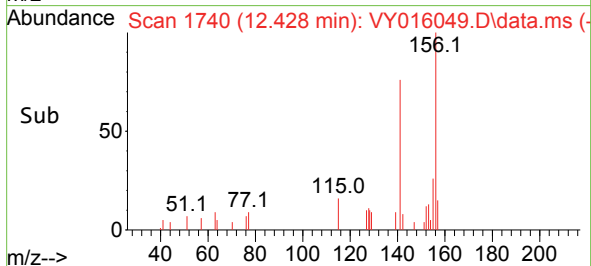
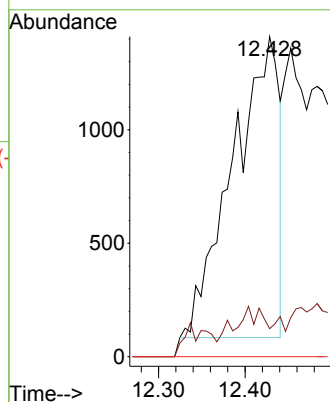
Tgt Ion:156 Resp: 4915

Ion Ratio Lower Upper

156 100

77 0.0 92.8 278.6#

158 0.0 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.762 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.110 min

Lab File: VY016049.D

Acq: 19 Oct 2023 19:53

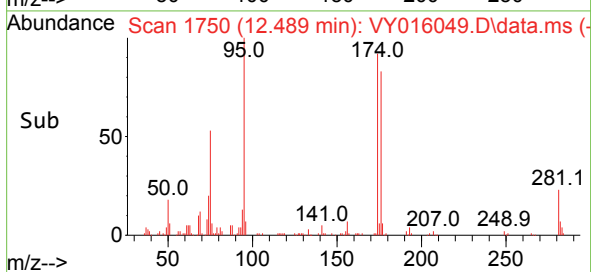
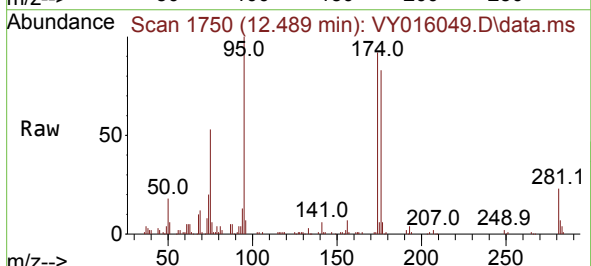
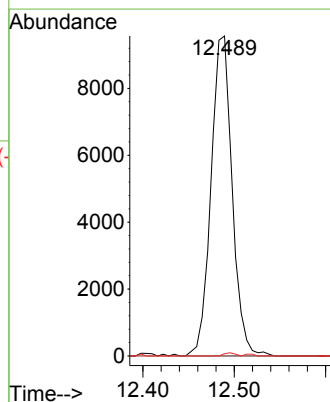
Tgt Ion: 75 Resp: 15347

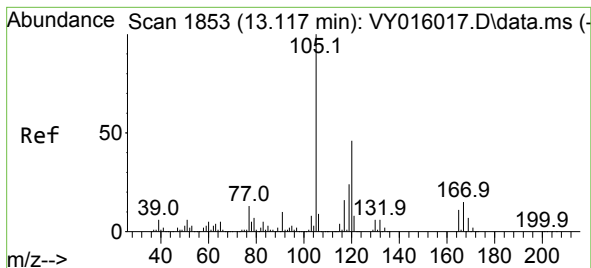
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.5 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 2.997 ug/l

RT: 13.123 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VY016049.D

Acq: 19 Oct 2023 19:53

Instrument :

MSVOA_Y

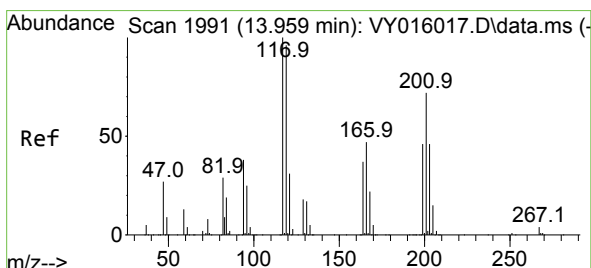
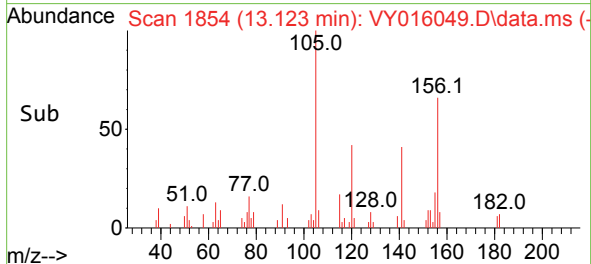
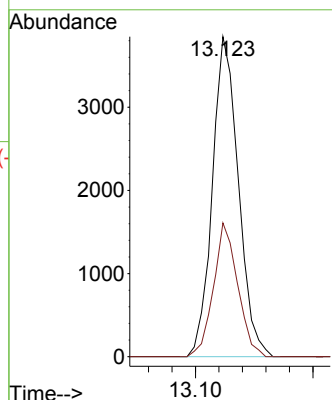
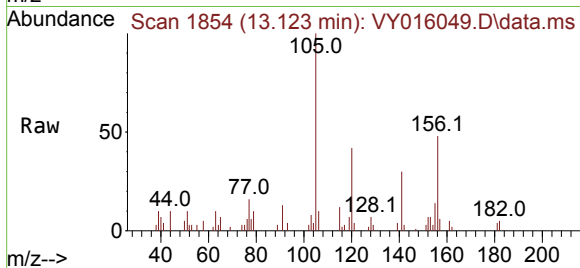
ClientSampleId :

Tgt Ion:105 Resp: 5914

Ion Ratio Lower Upper

105 100

120 38.9 22.2 66.6



#90

Hexachloroethane

Concen: 1.001 ug/l

RT: 13.983 min Scan# 1995

Delta R.T. 0.024 min

Lab File: VY016049.D

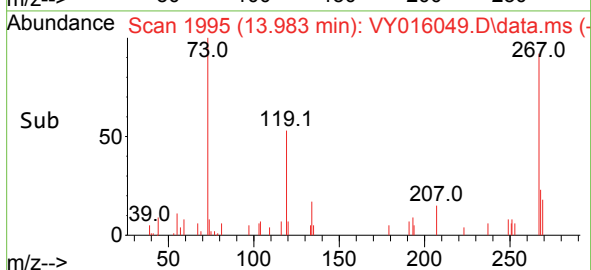
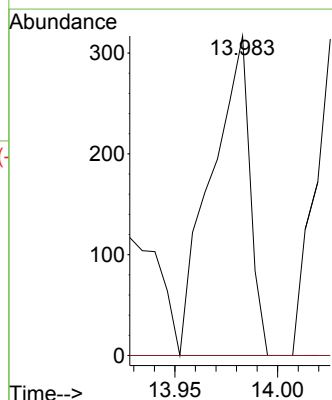
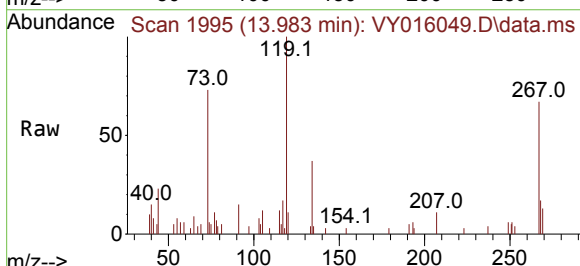
Acq: 19 Oct 2023 19:53

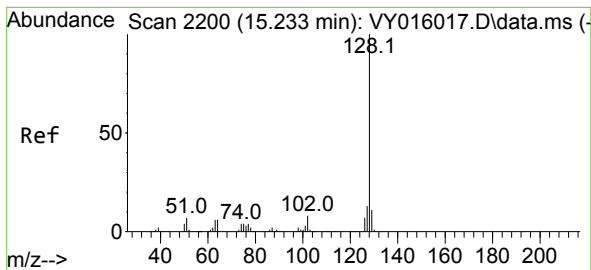
Tgt Ion:117 Resp: 415

Ion Ratio Lower Upper

117 100

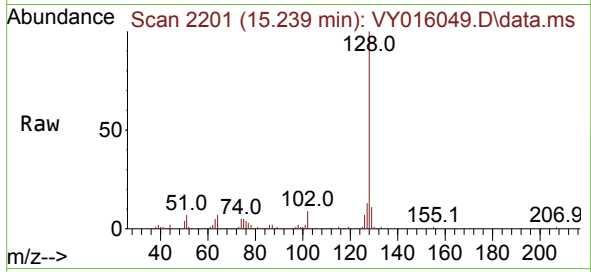
201 0.0 41.6 124.8#





#95
 Naphthalene
 Concen: 28.677 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY016049.D
 Acq: 19 Oct 2023 19:53

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	46650
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.8	16.2
129	11.3	8.6	13.0

