

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103023\
 Data File : VY016126.D
 Acq On : 30 Oct 2023 12:16
 Operator : SY/MD
 Sample : 05062-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 31 01:28:26 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	20907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	33265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	26419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	9921	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	9687	46.596	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.200%
35) Dibromofluoromethane	7.728	113	10235	48.738	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.480%
50) Toluene-d8	10.185	98	37021	47.592	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.180%
62) 4-Bromofluorobenzene	12.489	95	10174	38.129	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.260%

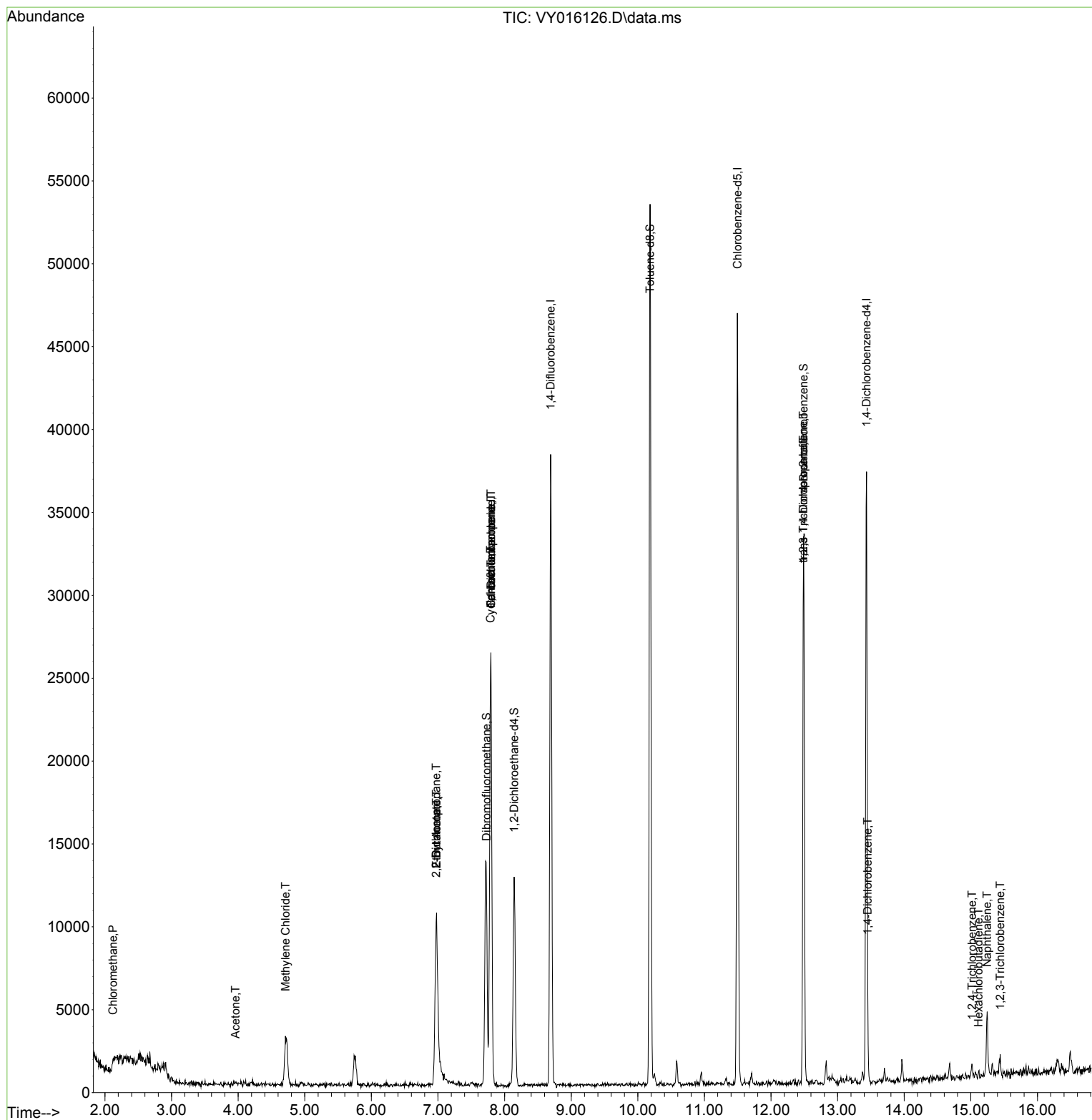
Target Compounds			Qvalue			
3) Chloromethane	2.119	50	202	1.142	ug/l #	35
11) Tert butyl alcohol	4.935	59	260	Below Cal	#	89
16) Acetone	3.960	43	236	4.188	ug/l #	46
20) Methylene Chloride	4.710	84	2433	5.951	ug/l	84
25) 2-Butanone	6.978	43	534	7.022	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	713	2.085	ug/l #	54
31) Cyclohexane	7.789	56	419	1.281	ug/l #	29
36) 1,1-Dichloropropene	7.795	75	1716	5.862	ug/l #	46
37) Ethyl Acetate	6.978	43	534	3.559	ug/l #	1
38) Carbon Tetrachloride	7.795	117	2136	6.900	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	5375	53.066	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	5375	115.318	ug/l #	10
88) 1,4-Dichlorobenzene	13.452	146	344	1.058	ug/l	96
93) 1,2,4-Trichlorobenzene	15.019	180	367	2.036	ug/l	93
94) Hexachlorobutadiene	15.117	225	114	1.090	ug/l #	44
95) Naphthalene	15.245	128	3618	10.293	ug/l	96
96) 1,2,3-Trichlorobenzene	15.440	180	397	2.554	ug/l	69

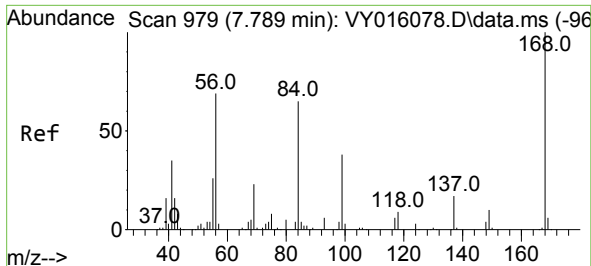
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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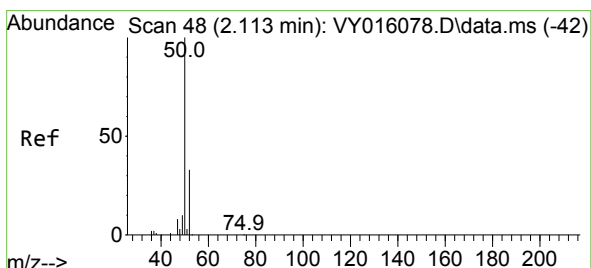
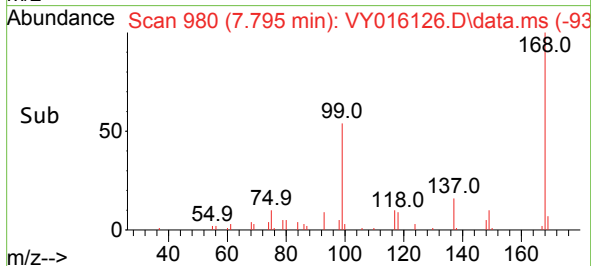
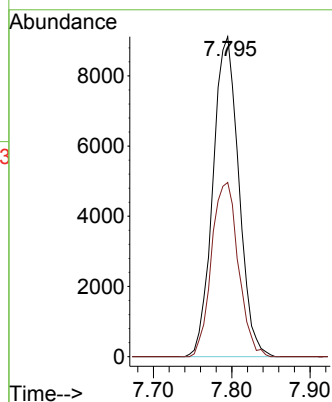
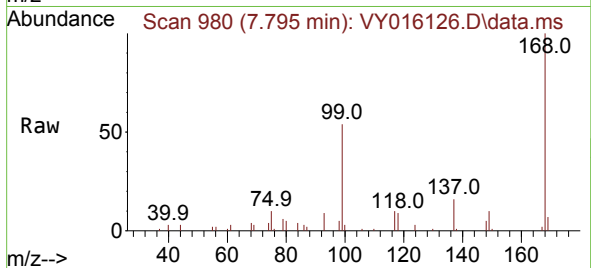




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

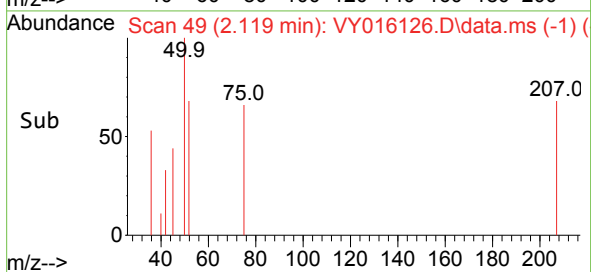
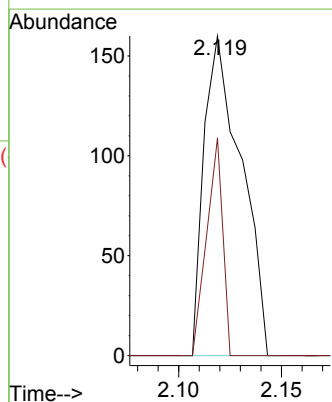
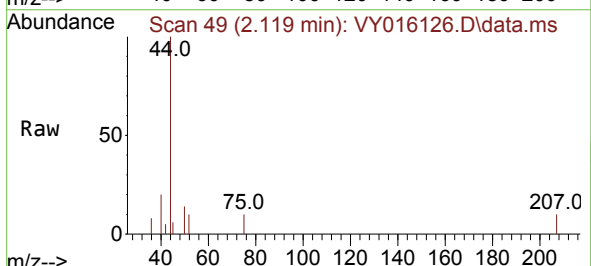
Instrument :
MSVOA_Y
ClientSampleId :

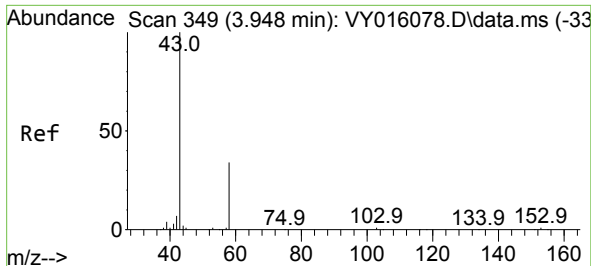
Tgt Ion:168 Resp: 20907
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#3
Chloromethane
Concen: 1.142 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

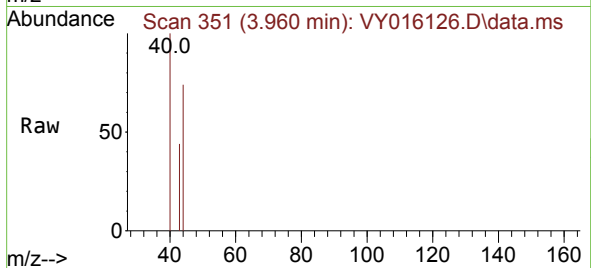
Tgt Ion: 50 Resp: 202
Ion Ratio Lower Upper
50 100
52 68.1 25.4 38.2#



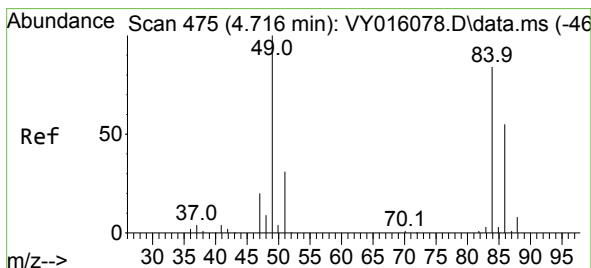
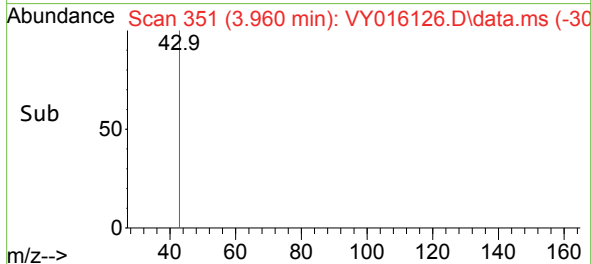
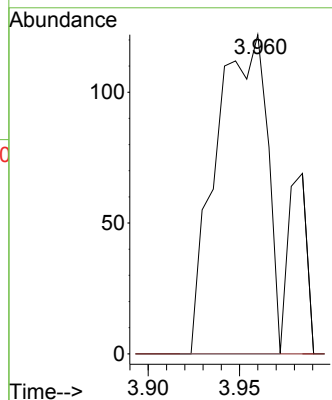


#16
Acetone
Concen: 4.188 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

Instrument :
MSVOA_Y
ClientSampleId :

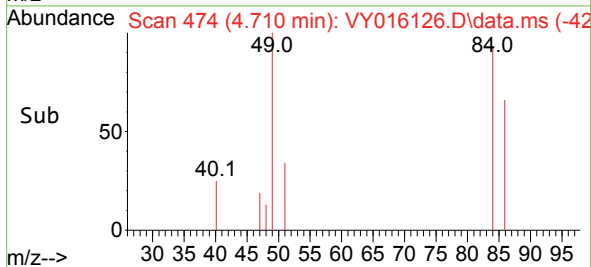
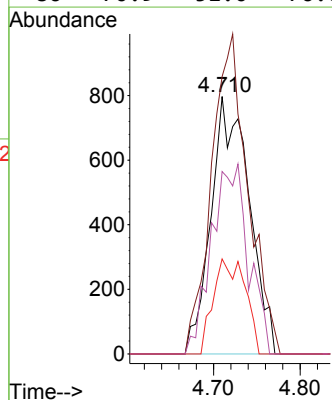
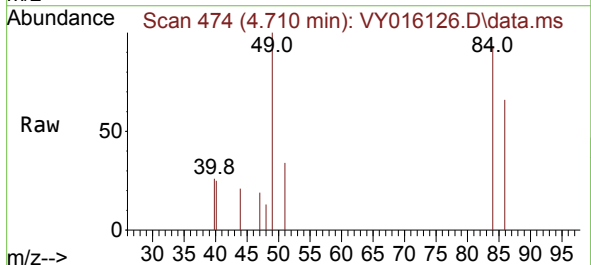


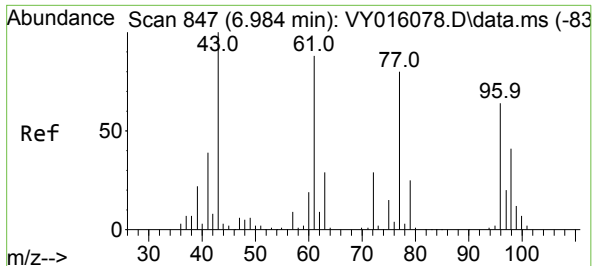
Tgt Ion: 43 Resp: 236
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#20
Methylene Chloride
Concen: 5.951 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

Tgt Ion: 84 Resp: 2433
Ion Ratio Lower Upper
84 100
49 107.8 106.9 160.3
51 36.9 33.2 49.8
86 70.9 51.0 76.6

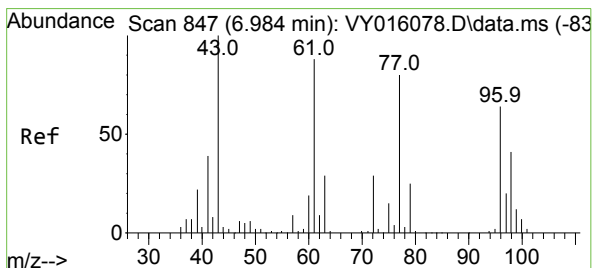
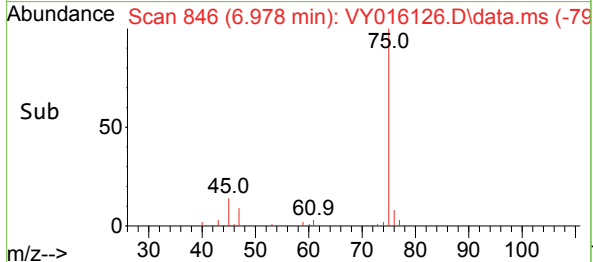
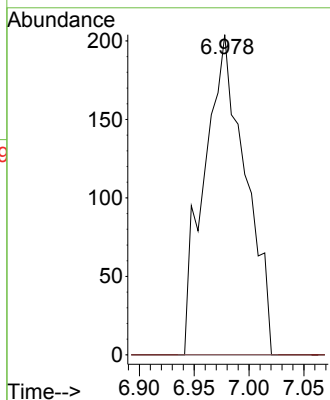
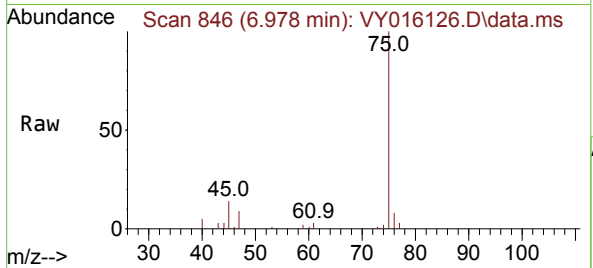




#25
2-Butanone
Concen: 7.022 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

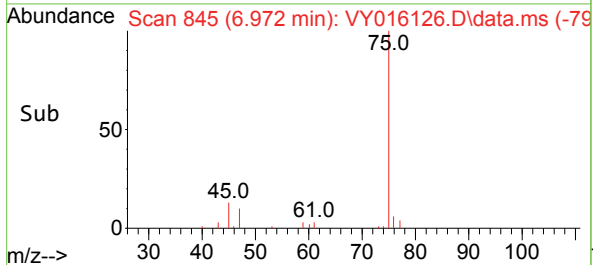
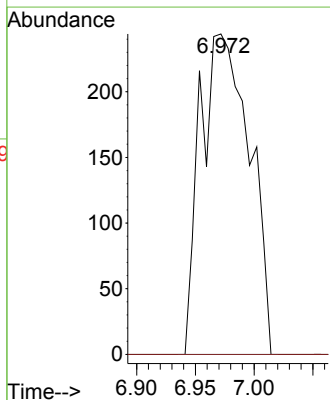
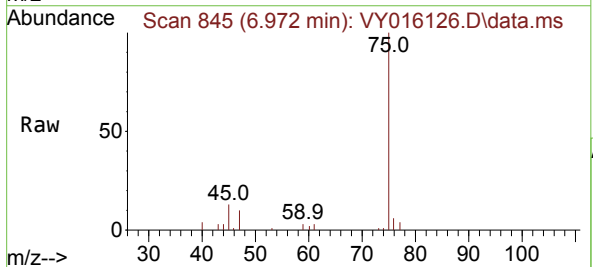
Instrument :
MSVOA_Y
ClientSampleId :

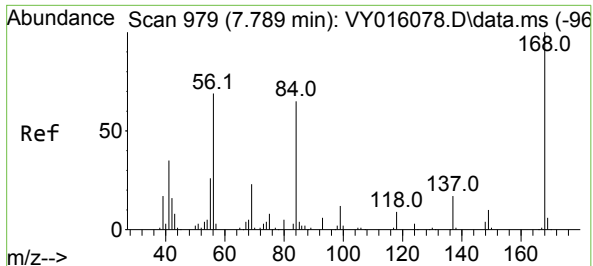
Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.085 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.013 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

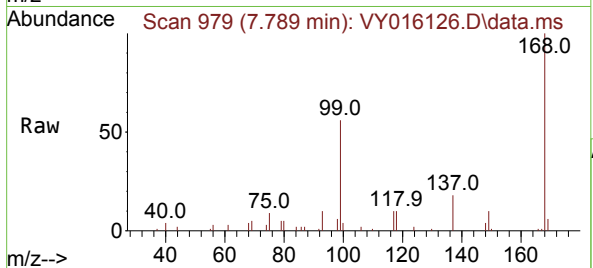
Tgt Ion: 77 Resp: 713
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



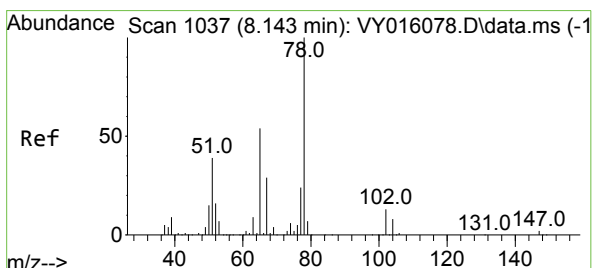
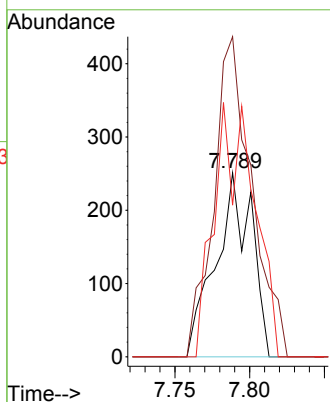
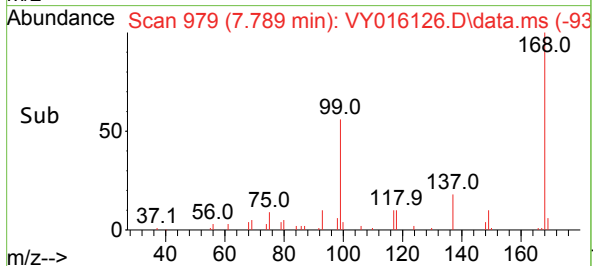


#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.789 min Scan# 919
Delta R.T. -0.000 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

Instrument :
MSVOA_Y
ClientSampleId :

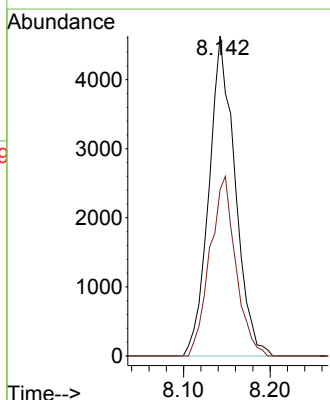
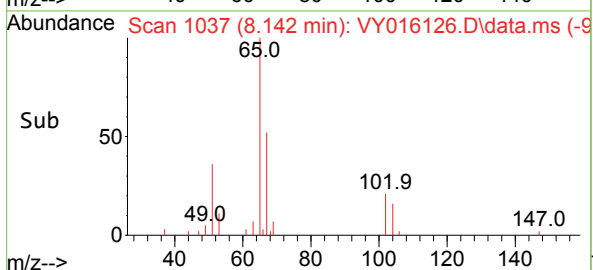
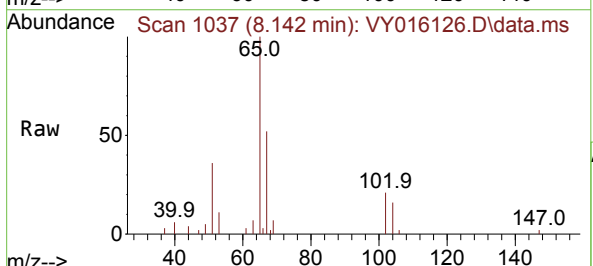


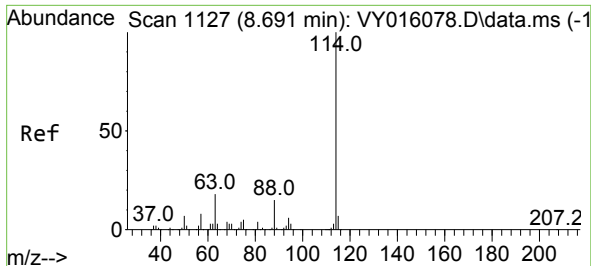
Tgt Ion: 56 Resp: 419
Ion Ratio Lower Upper
56 100
69 174.1 27.8 41.6#
84 82.5 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 46.596 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

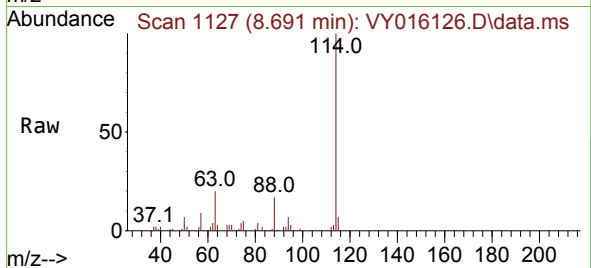
Tgt Ion: 65 Resp: 9687
Ion Ratio Lower Upper
65 100
67 55.7 0.0 101.8



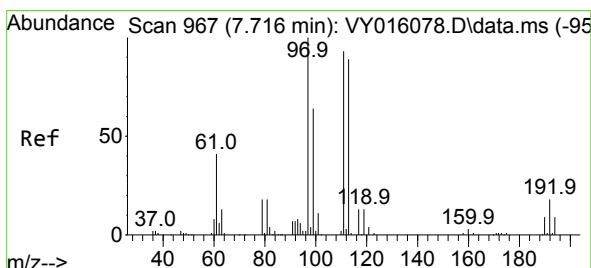
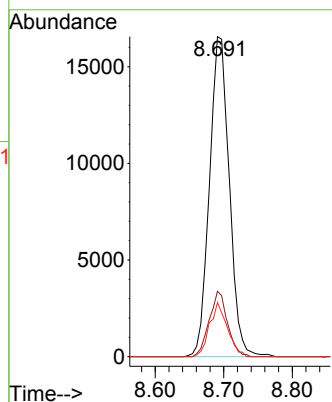
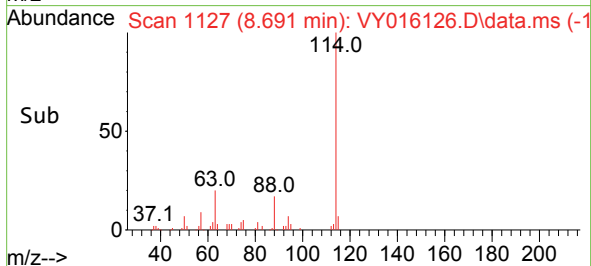


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

Instrument :
MSVOA_Y
ClientSampleId :

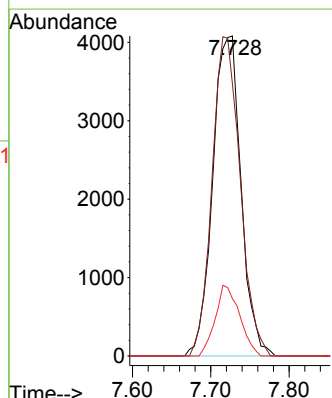
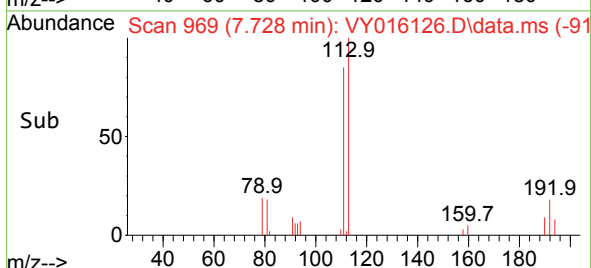
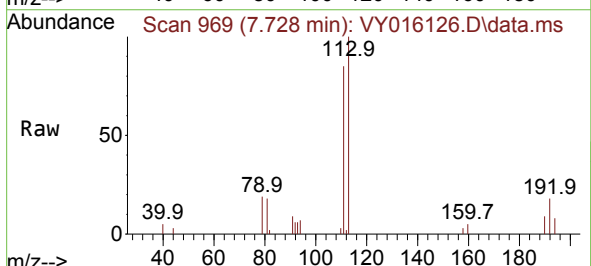


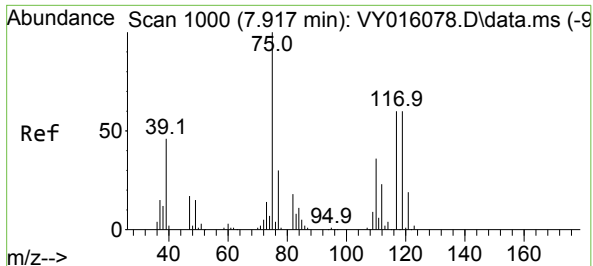
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.4
88	16.9	0.0	30.6



#35
Dibromofluoromethane
Concen: 48.738 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

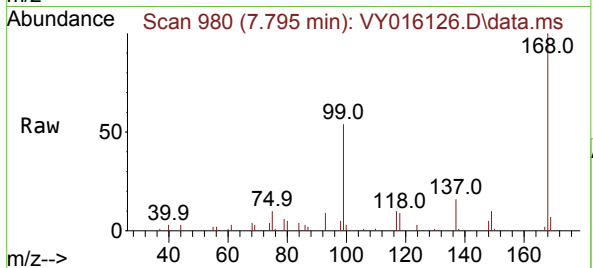
Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.9	81.3	121.9
192	19.1	16.9	25.3



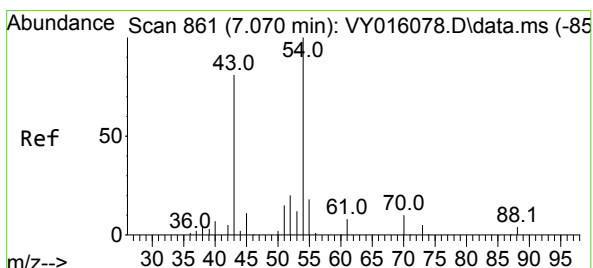
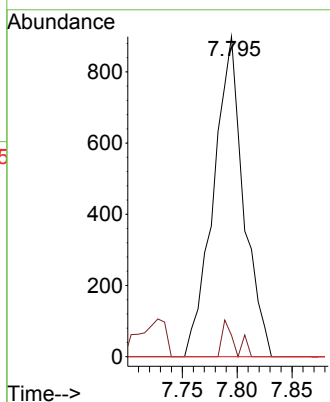
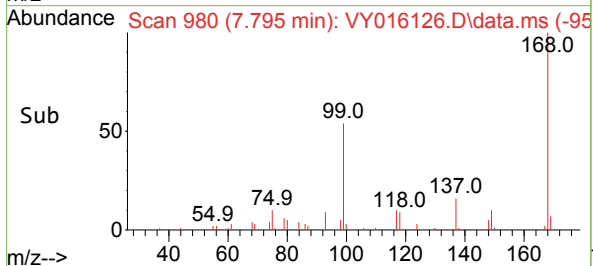


#36
 1,1-Dichloropropene
 Concen: 5.862 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY016126.D
 Acq: 30 Oct 2023 12:16

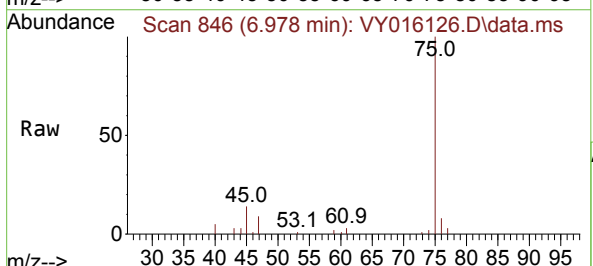
Instrument :
 MSVOA_Y
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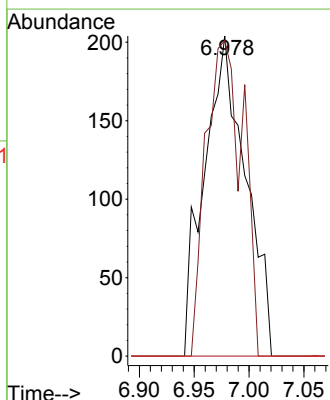
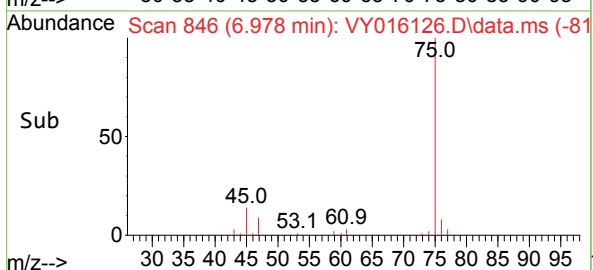
Tgt Ion: 75 Resp: 1716
 Ion Ratio Lower Upper
 75 100
 110 4.8 17.8 53.5#
 77 0.0 24.4 36.6#

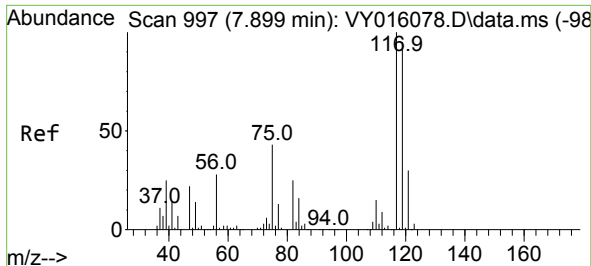


#37
 Ethyl Acetate
 Concen: 3.559 ug/l
 RT: 6.978 min Scan# 846
 Delta R.T. -0.092 min
 Lab File: VY016126.D
 Acq: 30 Oct 2023 12:16



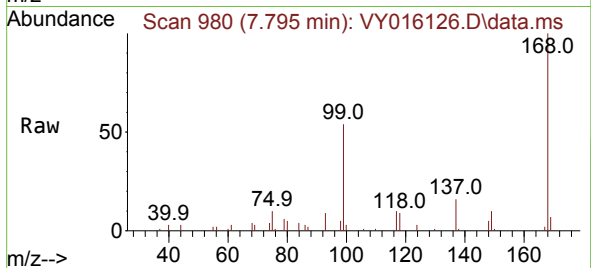
Tgt Ion: 43 Resp: 534
 Ion Ratio Lower Upper
 43 100
 61 88.8 10.1 15.1#
 70 0.0 7.1 10.7#



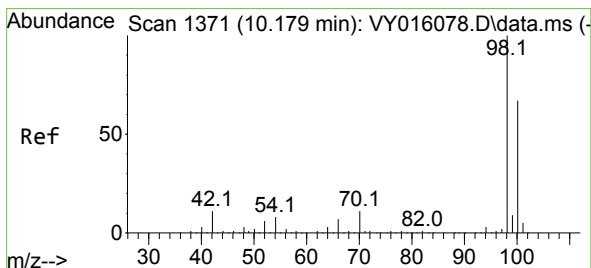
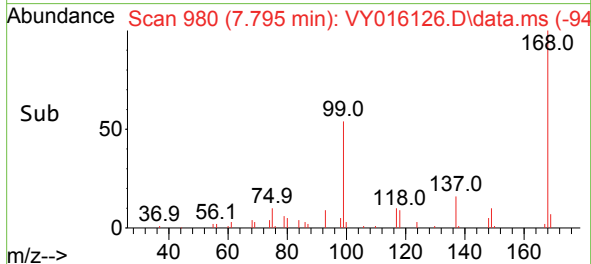
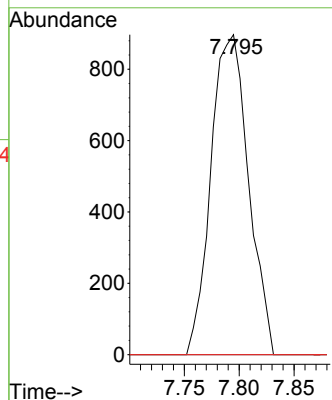


#38
Carbon Tetrachloride
Concen: 6.900 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

Instrument :
MSVOA_Y
ClientSampleId :

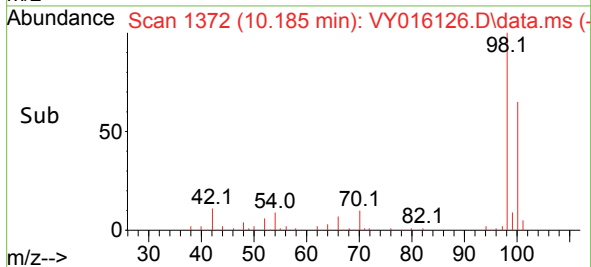
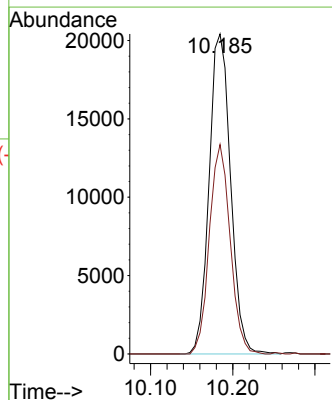
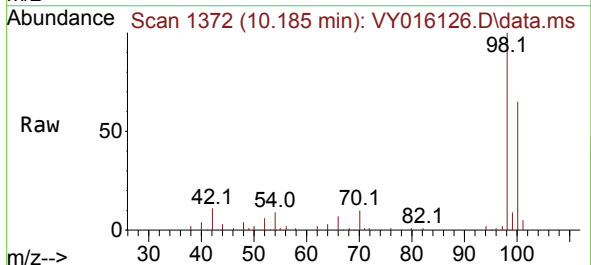


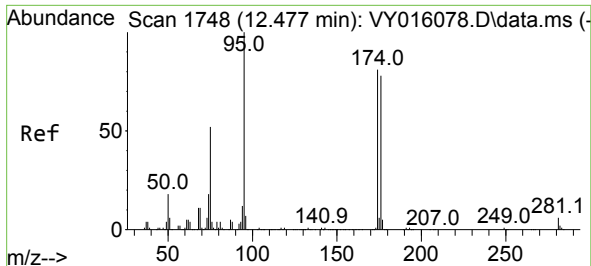
Tgt Ion:117 Resp: 2136
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.592 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

Tgt Ion: 98 Resp: 37021
Ion Ratio Lower Upper
98 100
100 63.4 50.1 75.1

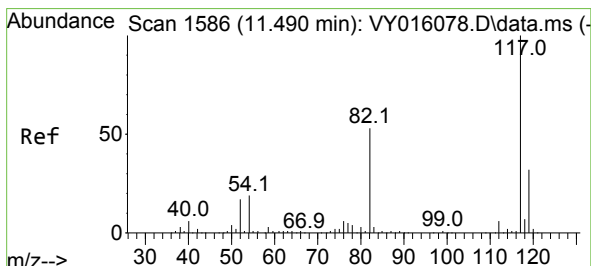
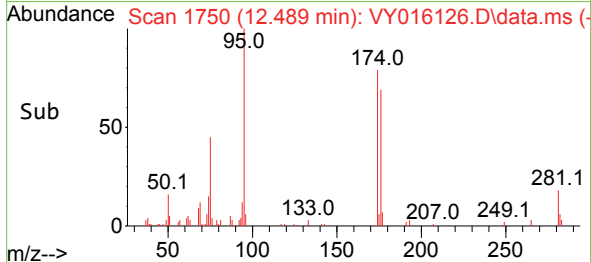
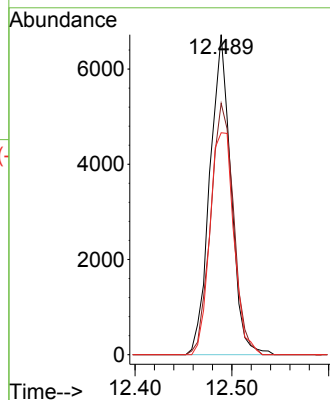
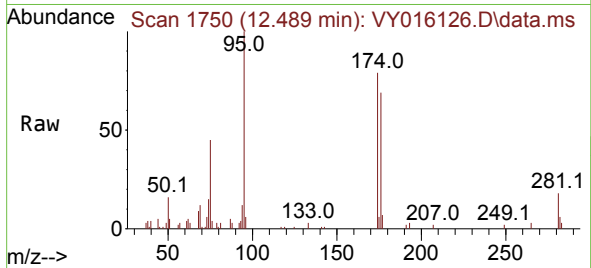




#62
4-Bromofluorobenzene
Concen: 38.129 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

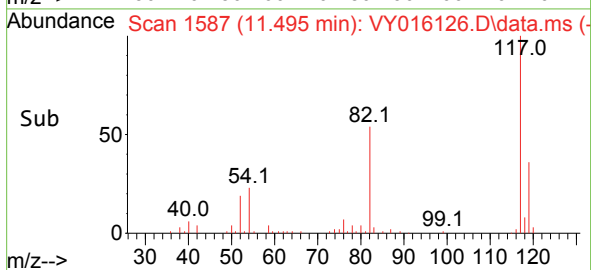
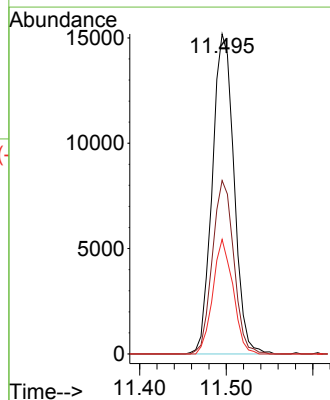
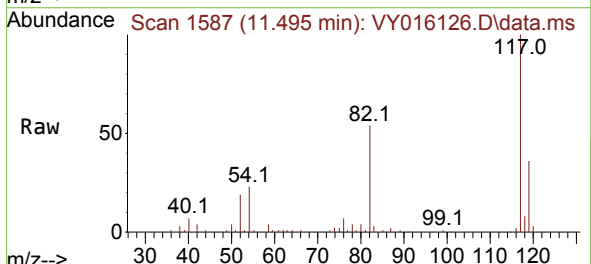
Instrument :
MSVOA_Y
ClientSampleId :

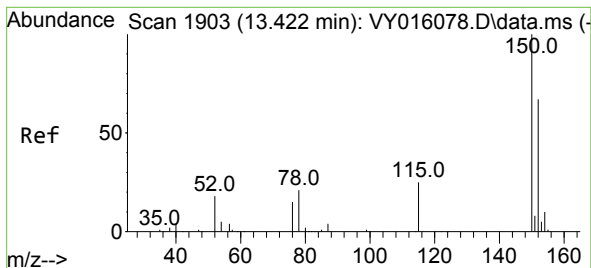
Tgt Ion: 95 Resp: 10174
Ion Ratio Lower Upper
95 100
174 85.3 0.0 178.2
176 79.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

Tgt Ion: 117 Resp: 26419
Ion Ratio Lower Upper
117 100
82 54.2 43.4 65.0
119 35.8 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1903

Delta R.T. 0.012 min

Lab File: VY016126.D

Acq: 30 Oct 2023 12:16

Instrument :

MSVOA_Y

ClientSampleId :

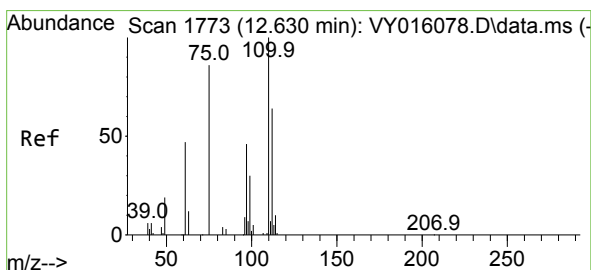
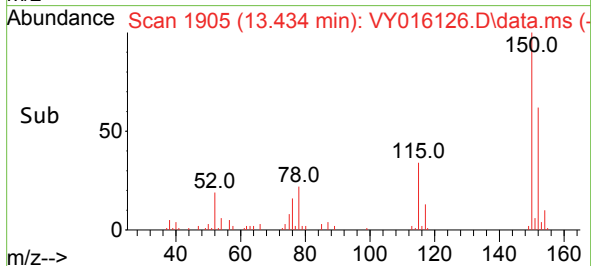
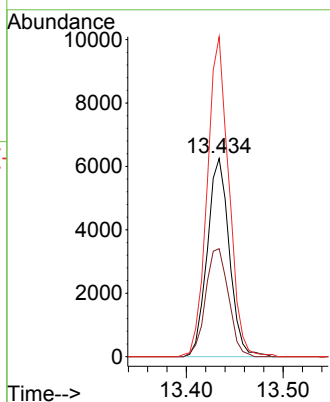
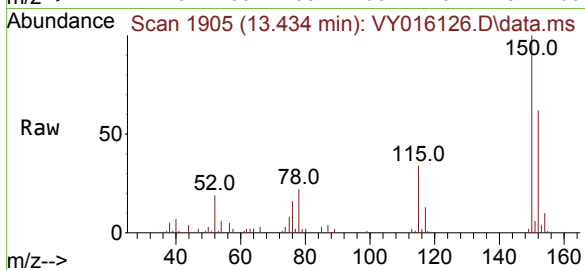
Tgt Ion:152 Resp: 9921

Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.5

150 158.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 53.066 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY016126.D

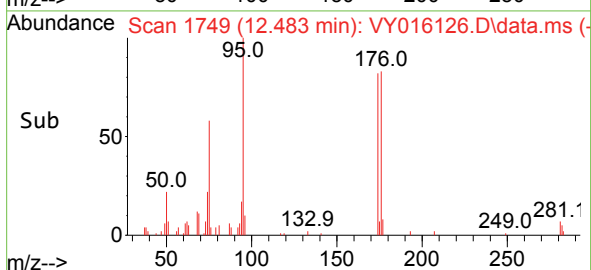
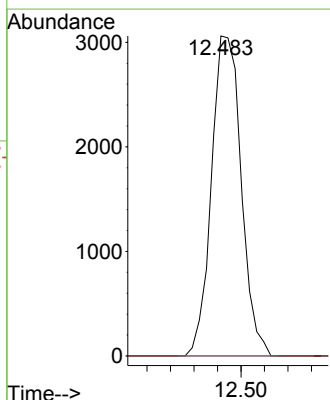
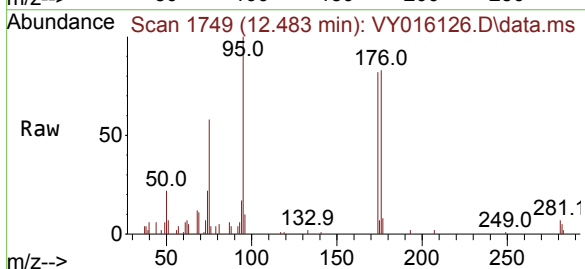
Acq: 30 Oct 2023 12:16

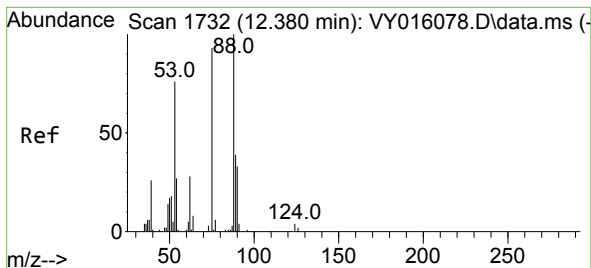
Tgt Ion: 75 Resp: 5375

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

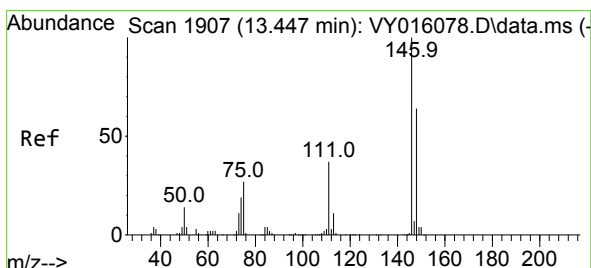
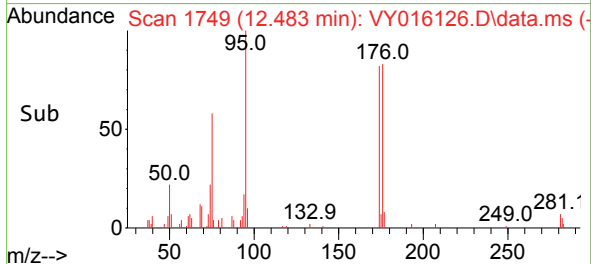
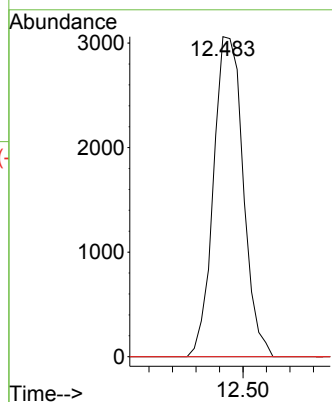
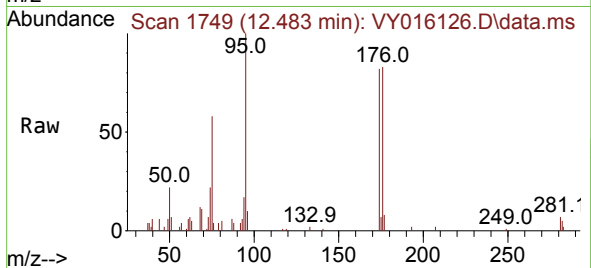




#81
trans-1,4-Dichloro-2-butene
Concen: 115.318 ug/l
RT: 12.483 min Scan# 1732
Delta R.T. 0.103 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

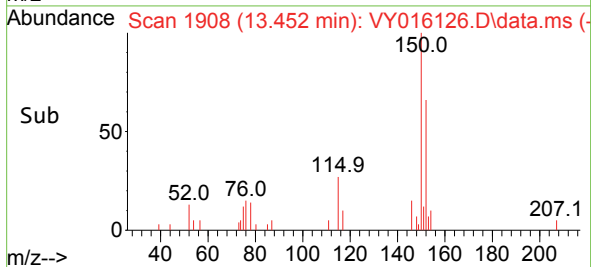
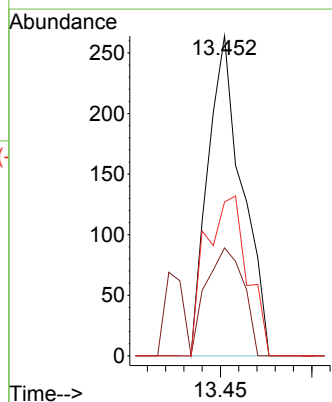
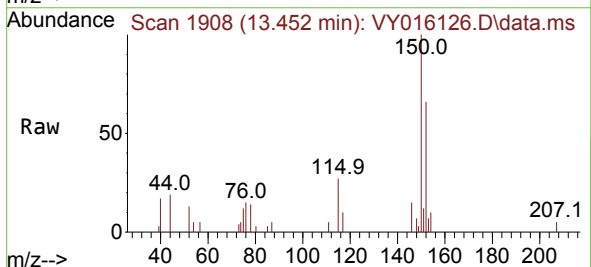
Instrument :
MSVOA_Y
ClientSampleId :

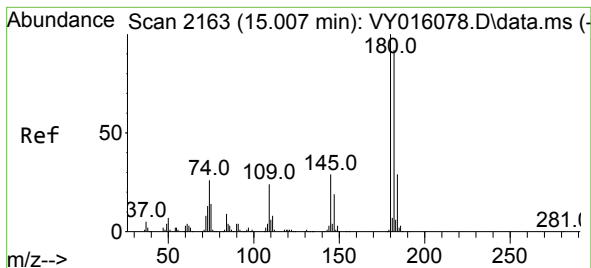
Tgt Ion: 75 Resp: 5375
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#88
1,4-Dichlorobenzene
Concen: 1.058 ug/l
RT: 13.452 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY016126.D
Acq: 30 Oct 2023 12:16

Tgt Ion:146 Resp: 344
Ion Ratio Lower Upper
146 100
111 36.9 18.9 56.7
148 60.5 32.1 96.5





#93

1,2,4-Trichlorobenzene

Concen: 2.036 ug/l

RT: 15.019 min Scan# 2165

Delta R.T. 0.012 min

Lab File: VY016126.D

Acq: 30 Oct 2023 12:16

Instrument :

MSVOA_Y

ClientSampleId :

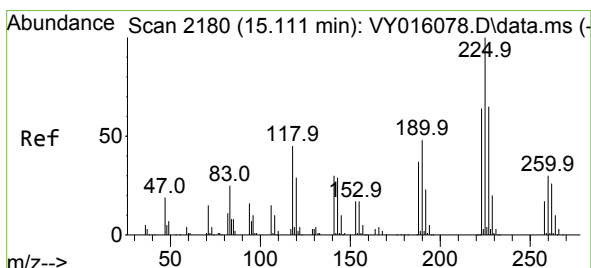
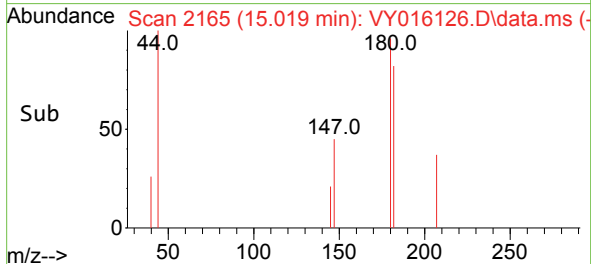
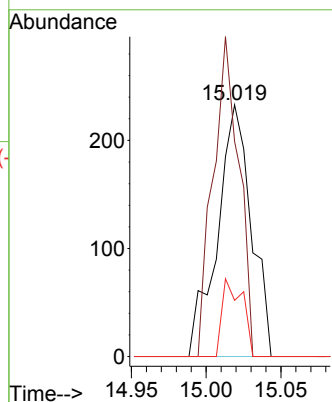
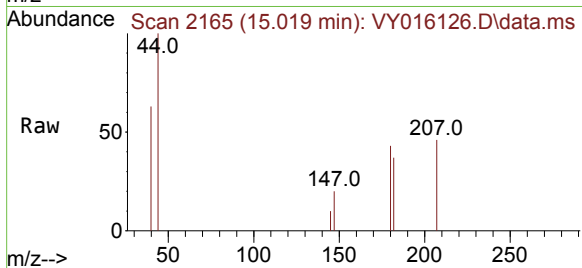
Tgt Ion:180 Resp: 367

Ion Ratio Lower Upper

180 100

182 96.7 47.0 141.2

145 18.3 14.5 43.5



#94

Hexachlorobutadiene

Concen: 1.090 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY016126.D

Acq: 30 Oct 2023 12:16

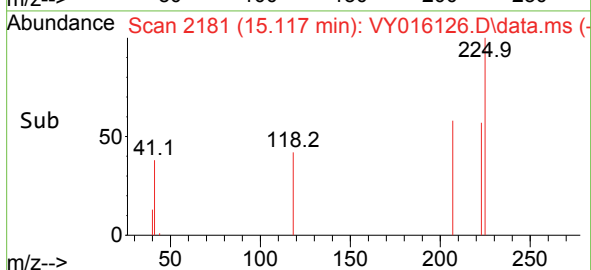
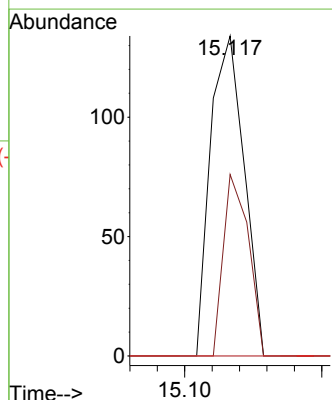
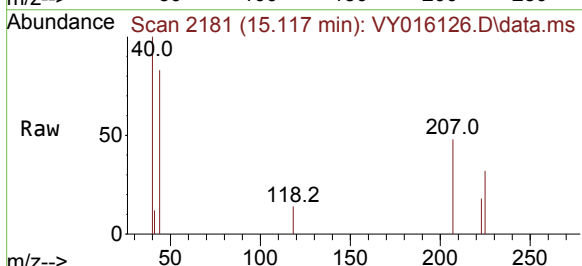
Tgt Ion:225 Resp: 114

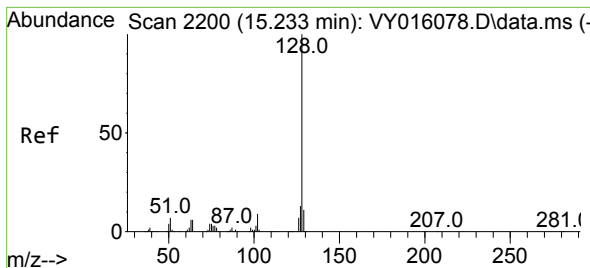
Ion Ratio Lower Upper

225 100

223 42.1 31.9 95.9

227 0.0 33.0 98.9#





#95

Naphthalene

Concen: 10.293 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.012 min

Lab File: VY016126.D

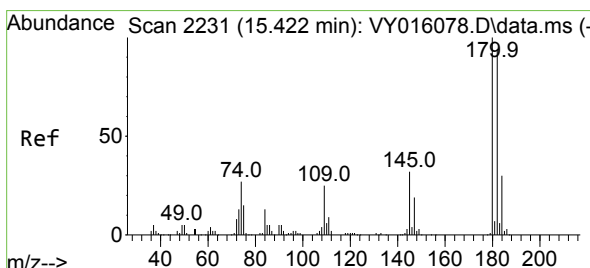
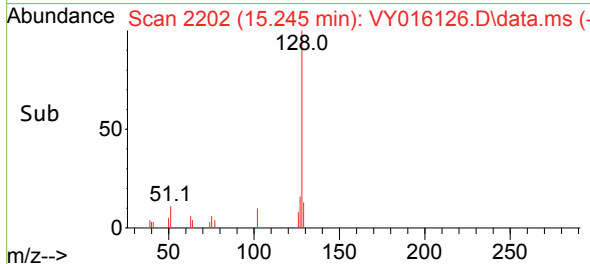
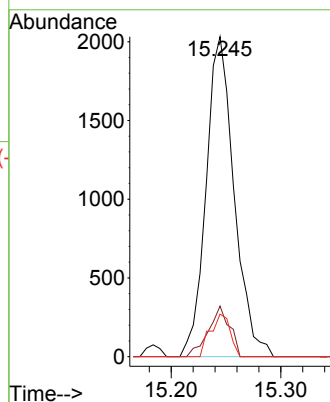
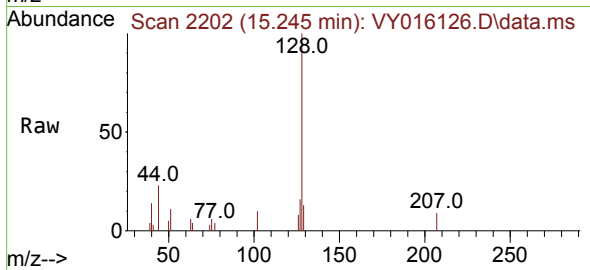
Acq: 30 Oct 2023 12:16

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:128	Resp:	3618
Ion	Ratio	Lower Upper
128	100	
127	12.0	10.8 16.2
129	9.4	8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.554 ug/l

RT: 15.440 min Scan# 2234

Delta R.T. 0.018 min

Lab File: VY016126.D

Acq: 30 Oct 2023 12:16

Tgt Ion:180	Resp:	397
Ion	Ratio	Lower Upper
180	100	
182	125.4	47.3 141.8
145	46.1	15.4 46.2

