

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120423\
 Data File : VY016578.D
 Acq On : 04 Dec 2023 15:26
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 05 01:10:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 05 00:54:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	141830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	228324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	206523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	82985	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	74442	56.787	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.580%
35) Dibromofluoromethane	7.728	113	69511	50.588	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.180%
50) Toluene-d8	10.191	98	264377	50.867	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.740%
62) 4-Bromofluorobenzene	12.495	95	82956	48.535	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.060%

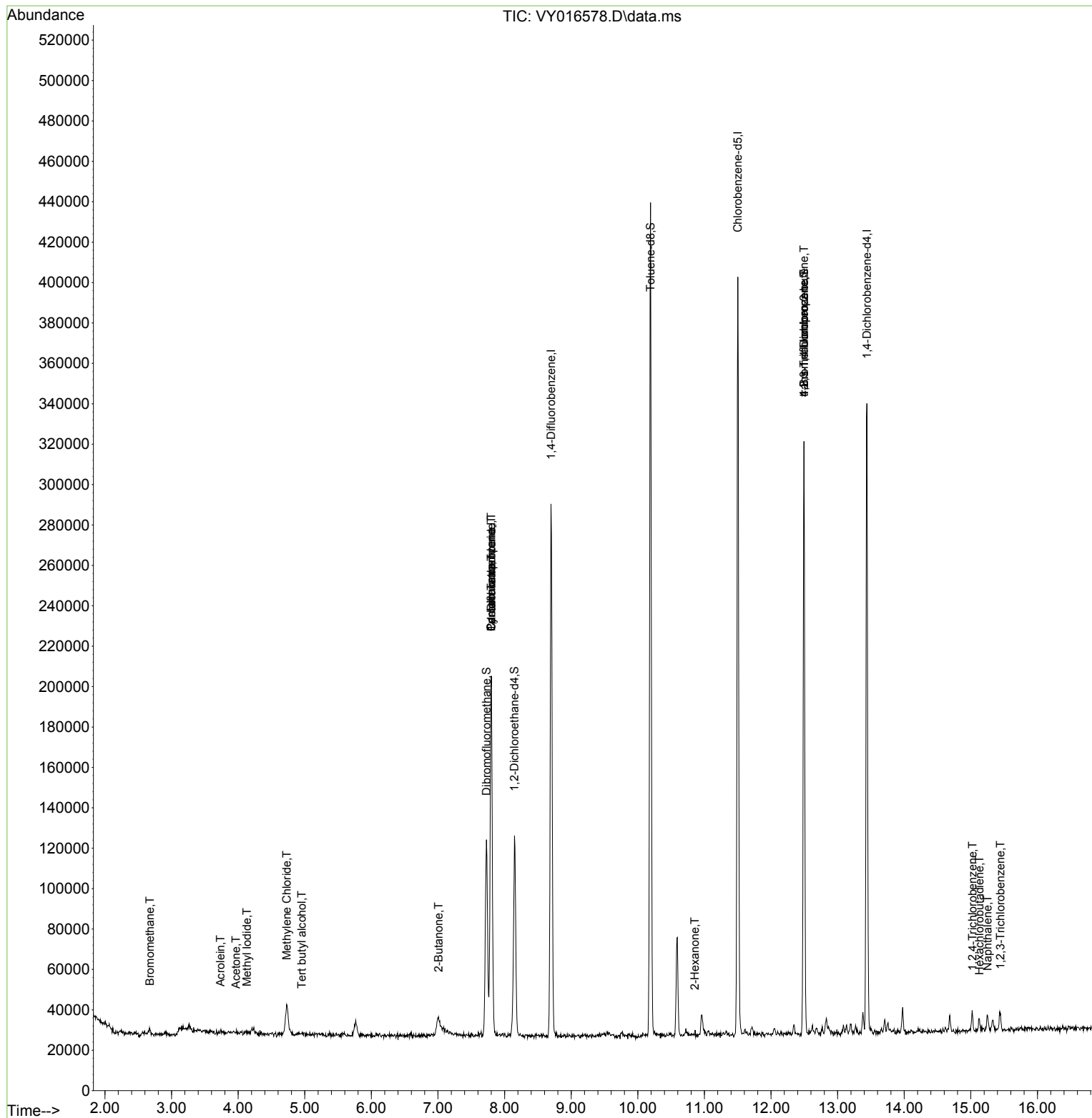
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.674	94	885	1.076	ug/l	87
10) Methyl Iodide	4.131	142	1688	1.151	ug/l #	38
11) Tert butyl alcohol	4.954	59	1063	11.902	ug/l #	89
13) Acrolein	3.735	56	184	1.417	ug/l	94
16) Acetone	3.966	43	1145	3.860	ug/l	90
20) Methylene Chloride	4.729	84	10760	5.210	ug/l #	83
25) 2-Butanone	7.009	43	1025	2.513	ug/l #	82
31) Cyclohexane	7.801	56	2652	1.185	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	10076	4.824	ug/l #	51
38) Carbon Tetrachloride	7.801	117	13335	5.515	ug/l #	16
59) 2-Hexanone	10.855	43	688	1.038	ug/l	100
76) 1,2,3-Trichloropropane	12.495	75	44296	57.652	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	44296	133.297	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.025	180	2913	2.175	ug/l	93
94) Hexachlorobutadiene	15.129	225	1141	1.348	ug/l	95
95) Naphthalene	15.251	128	5970	1.490	ug/l	100
96) 1,2,3-Trichlorobenzene	15.446	180	3001	2.010	ug/l	94

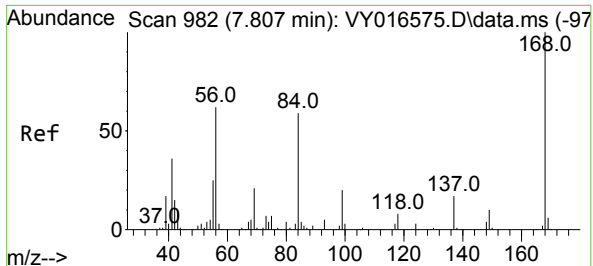
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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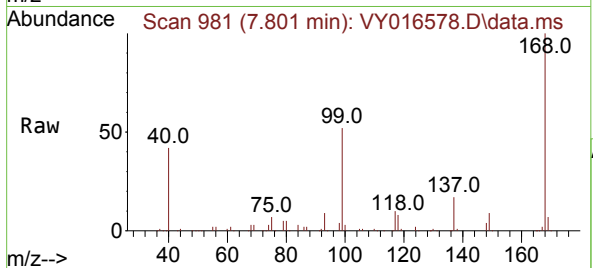
Quant Time: Dec 05 01:10:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 05 00:54:37 2023
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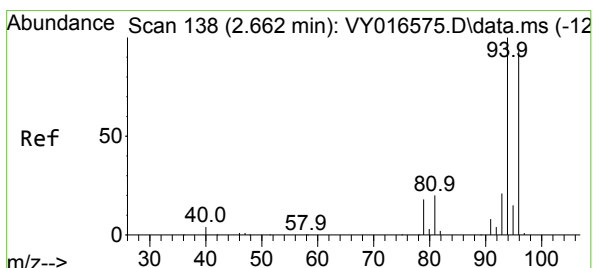
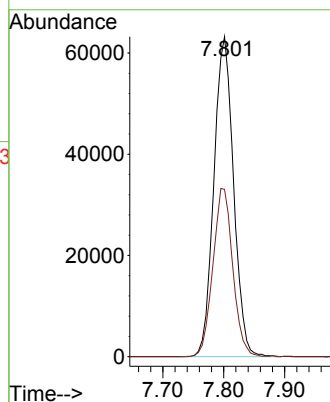
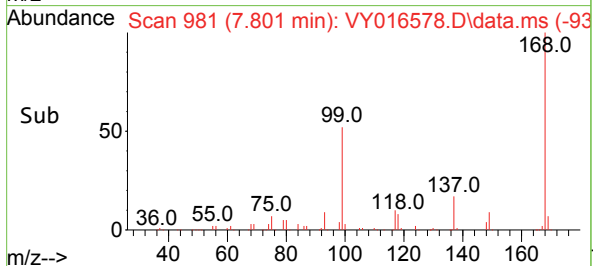


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

Instrument :
MSVOA_Y
ClientSampleId :

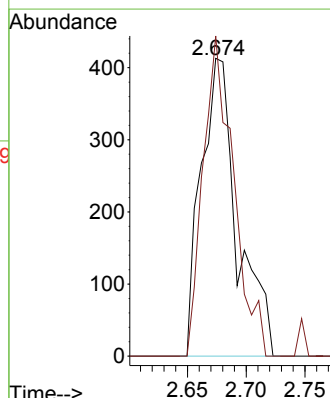
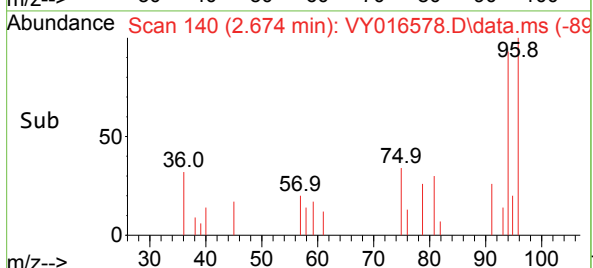
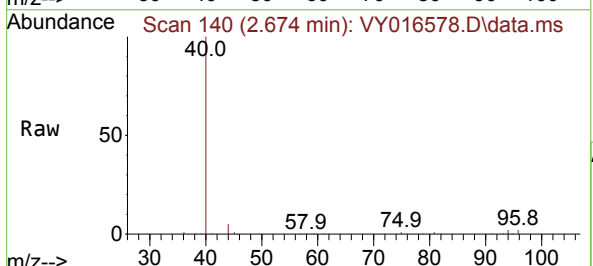


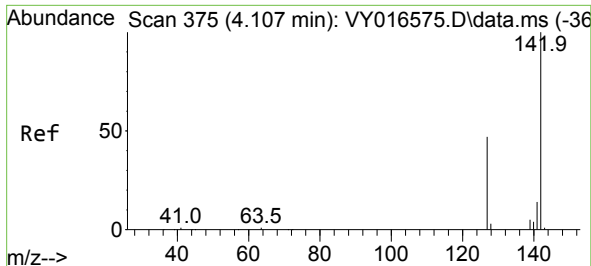
Tgt Ion:168 Resp: 141830
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.0



#5
Bromomethane
Concen: 1.076 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.012 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

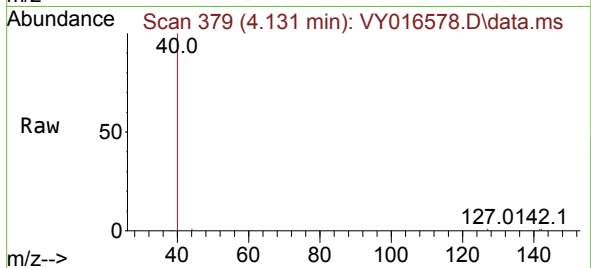
Tgt Ion: 94 Resp: 885
Ion Ratio Lower Upper
94 100
96 107.5 75.8 113.6



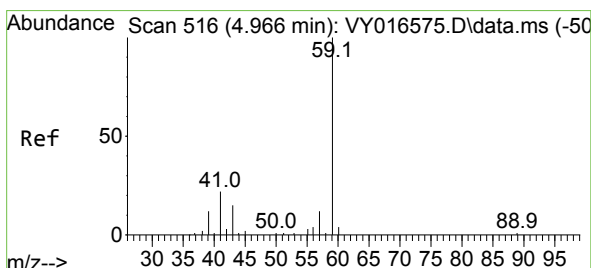
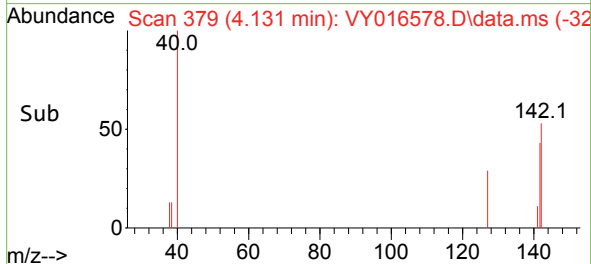
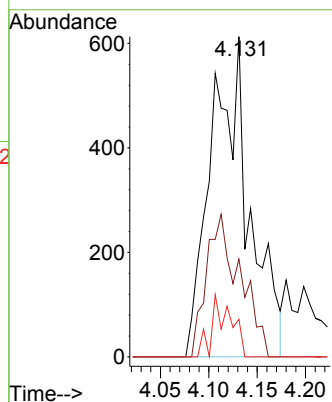


#10
Methyl Iodide
Concen: 1.151 ug/l
RT: 4.131 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

Instrument :
MSVOA_Y
ClientSampleId :

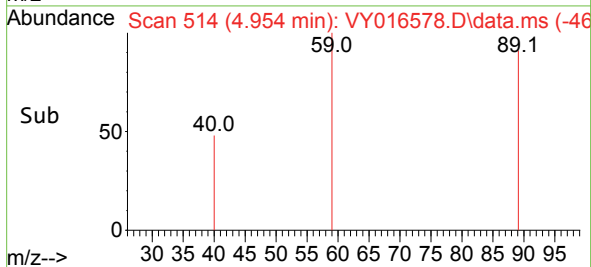
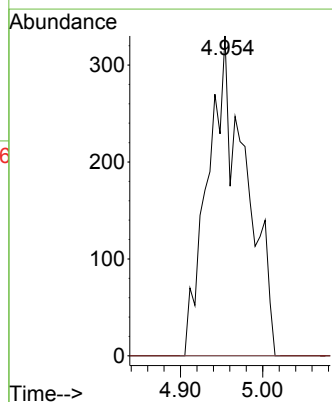
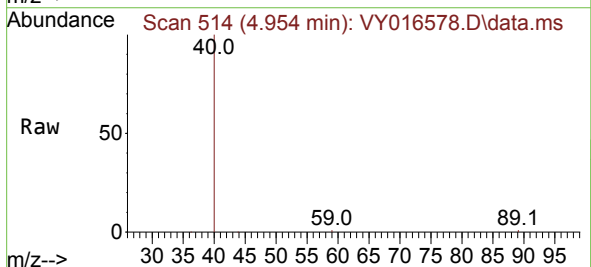


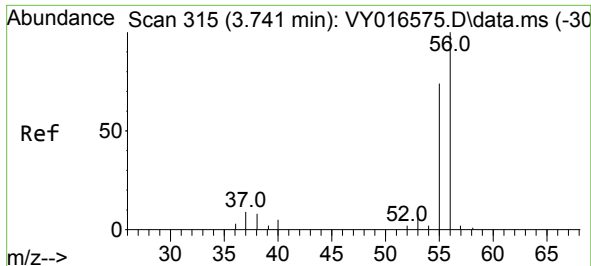
Tgt Ion:142 Resp: 1688
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: 11.902 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

Tgt Ion: 59 Resp: 1063
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: 1.417 ug/l

RT: 3.735 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY016578.D

Acq: 04 Dec 2023 15:26

Instrument :

MSVOA_Y

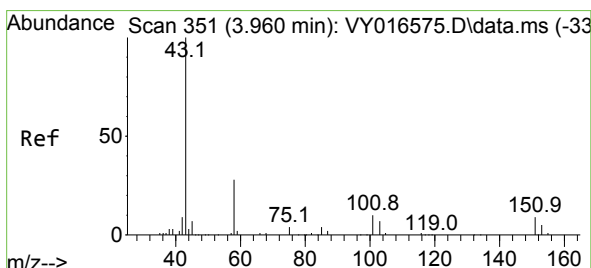
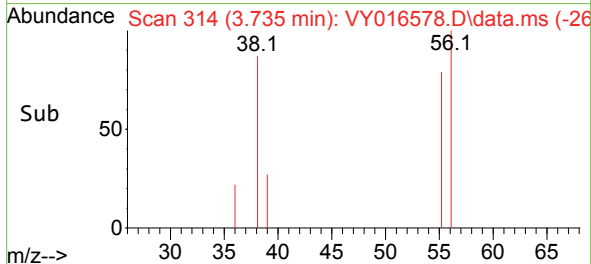
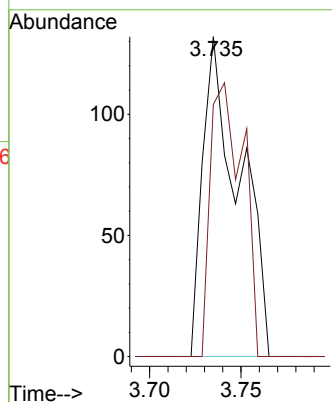
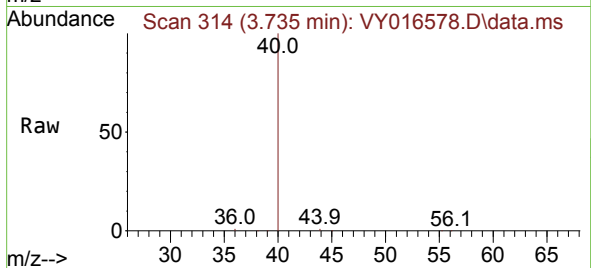
ClientSampleId :

Tgt Ion: 56 Resp: 184

Ion Ratio Lower Upper

56 100

55 76.1 57.0 85.4



#16

Acetone

Concen: 3.860 ug/l

RT: 3.966 min Scan# 352

Delta R.T. 0.006 min

Lab File: VY016578.D

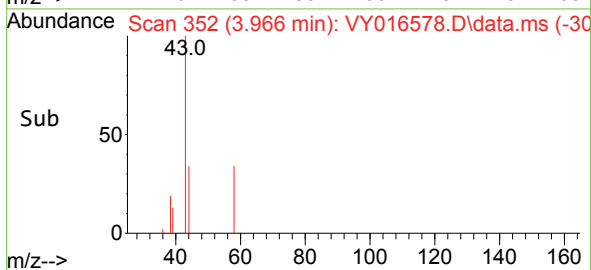
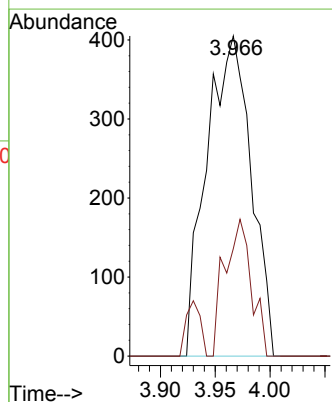
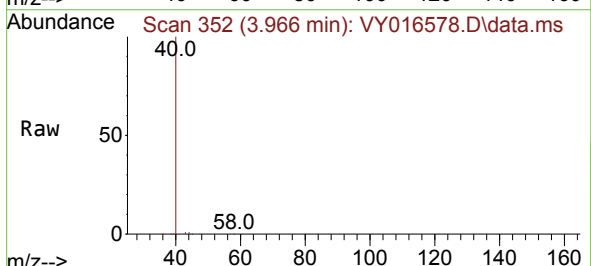
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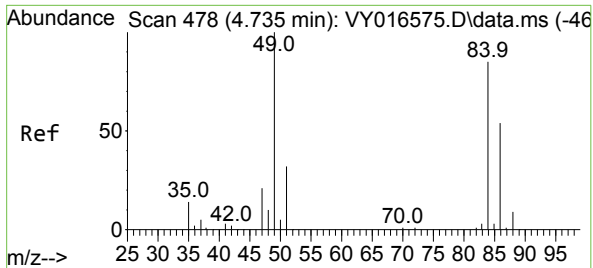
Tgt Ion: 43 Resp: 1145

Ion Ratio Lower Upper

43 100

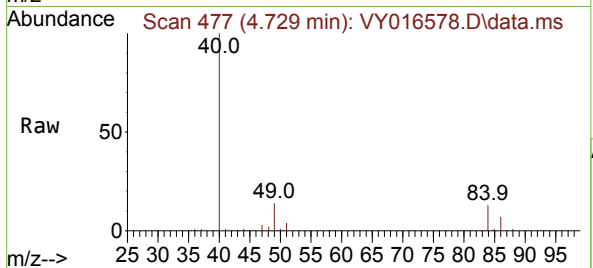
58 33.6 22.7 34.1



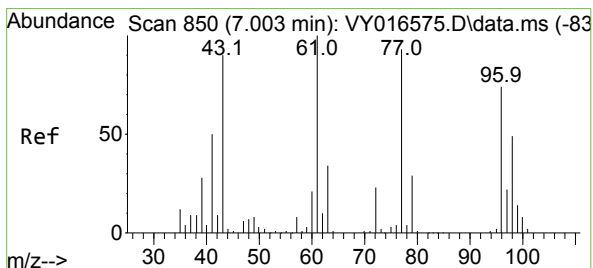
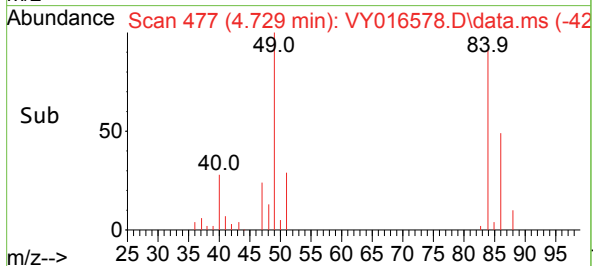
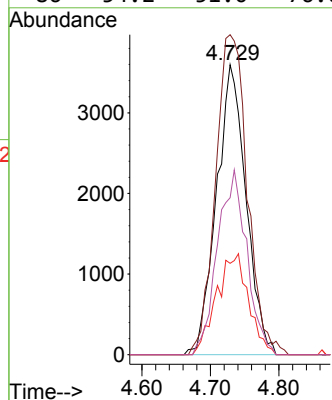


#20
Methylene Chloride
Concen: 5.210 ug/l
RT: 4.729 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

Instrument :
MSVOA_Y
ClientSampleId :

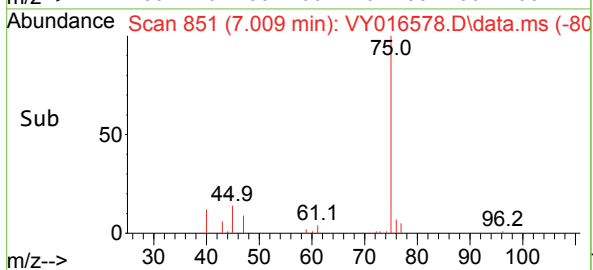
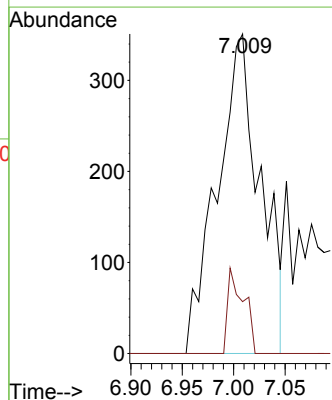
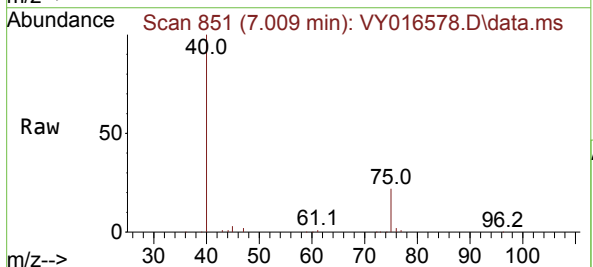


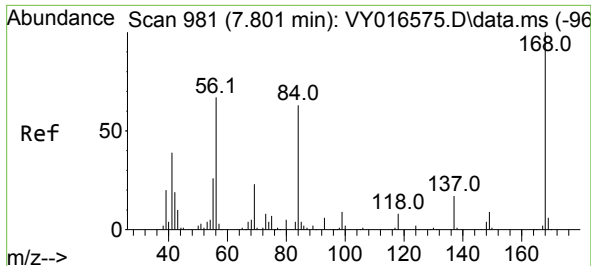
Tgt Ion: 84 Resp: 10760
Ion Ratio Lower Upper
84 100
49 110.4 106.9 160.3
51 31.5 33.2 49.8#
86 54.2 51.0 76.6



#25
2-Butanone
Concen: 2.513 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

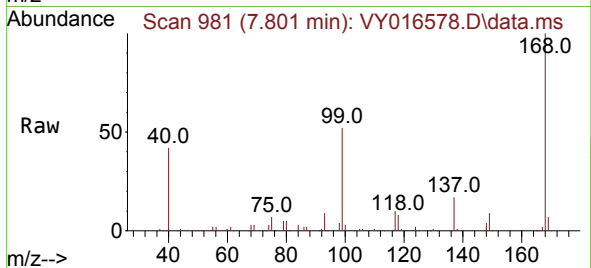
Tgt Ion: 43 Resp: 1025
Ion Ratio Lower Upper
43 100
72 16.2 20.5 30.7#



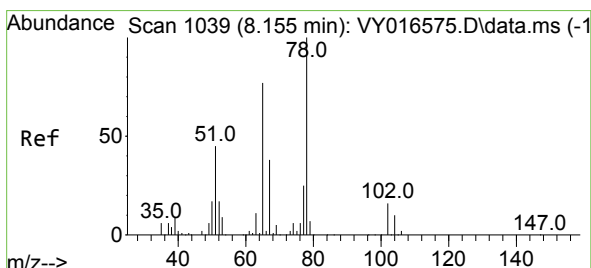
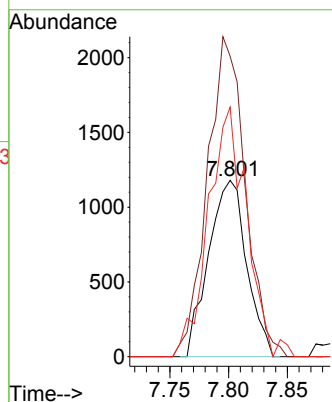
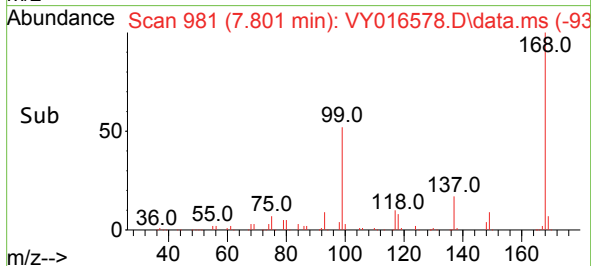


#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

Instrument :
MSVOA_Y
ClientSampleId :

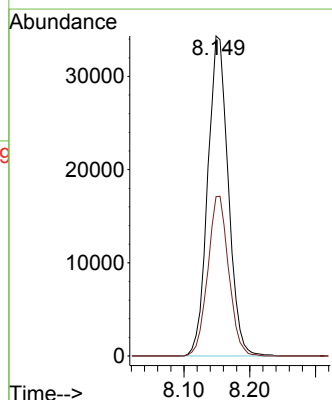
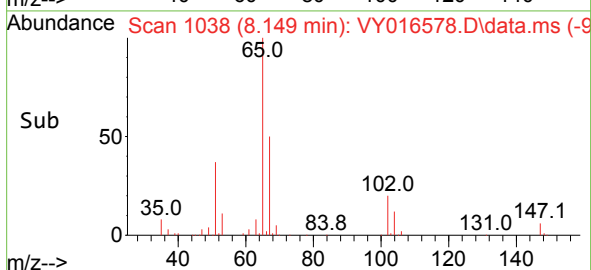
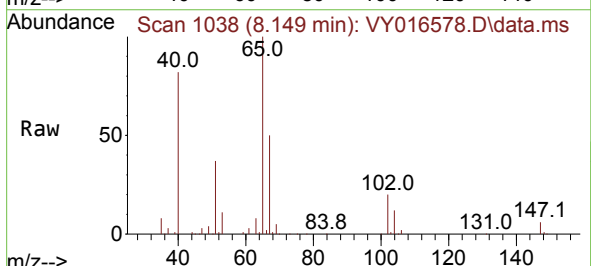


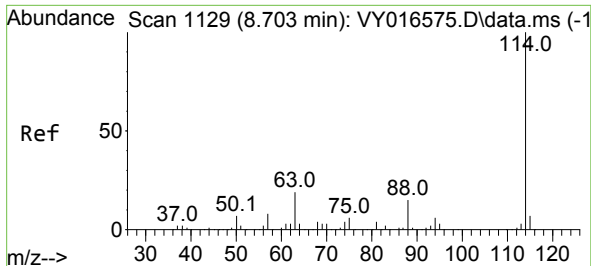
Tgt Ion: 56 Resp: 2652
Ion Ratio Lower Upper
56 100
69 164.7 27.8 41.6#
84 134.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.787 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

Tgt Ion: 65 Resp: 74442
Ion Ratio Lower Upper
65 100
67 50.9 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: VY016578.D

Acq: 04 Dec 2023 15:26

Instrument :

MSVOA_Y

ClientSampleId :

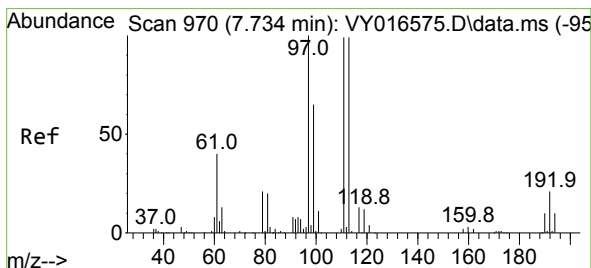
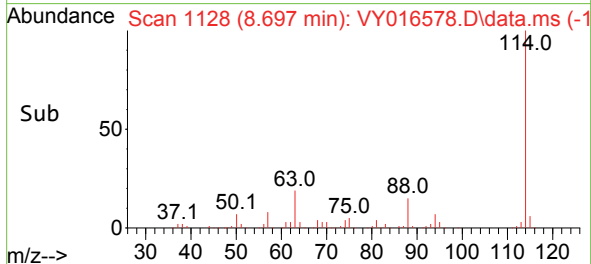
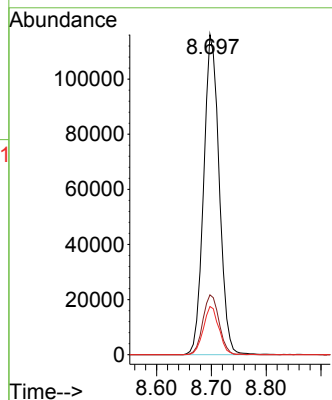
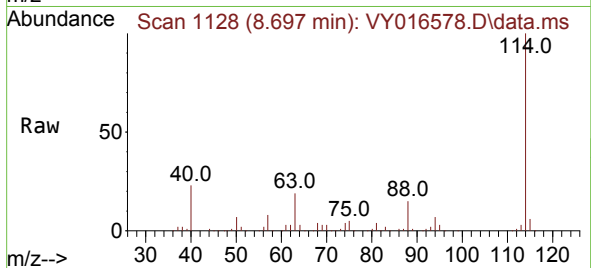
Tgt Ion:114 Resp: 228324

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.588 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY016578.D

Acq: 04 Dec 2023 15:26

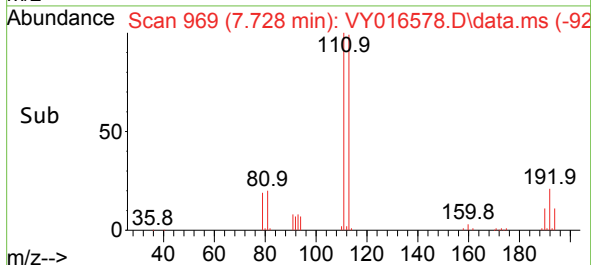
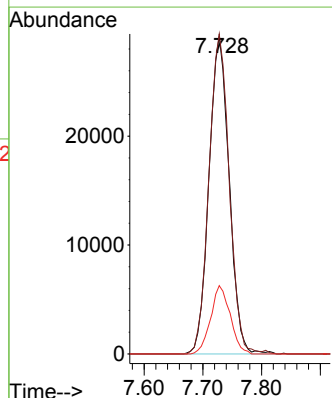
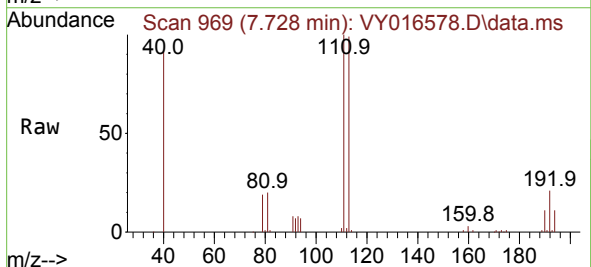
Tgt Ion:113 Resp: 69511

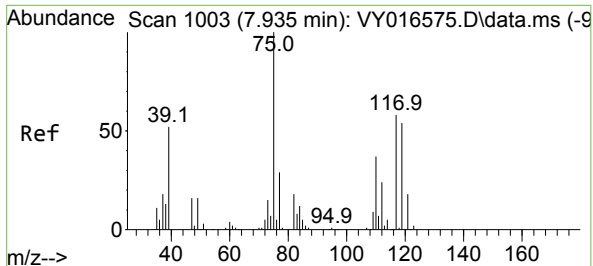
Ion Ratio Lower Upper

113 100

111 101.5 81.3 121.9

192 20.9 16.9 25.3

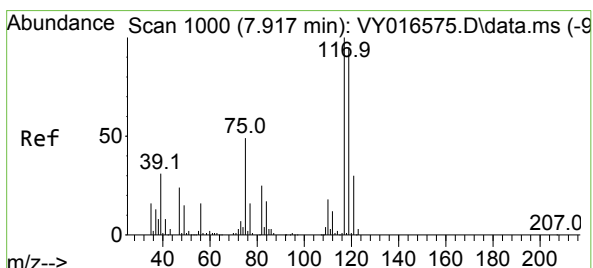
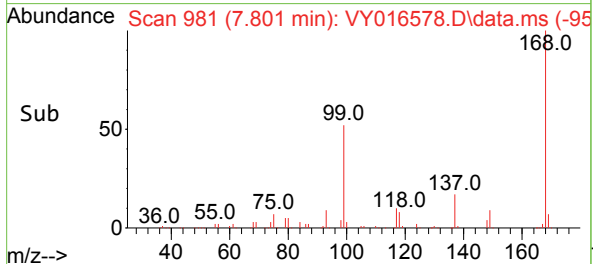
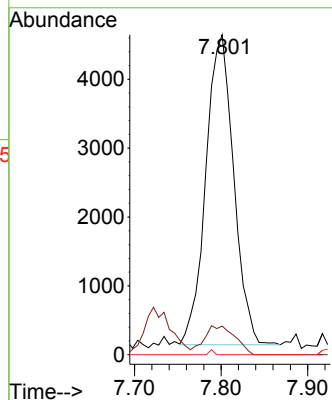
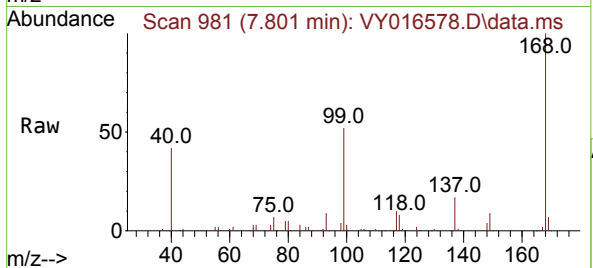




#36
1,1-Dichloropropene
Concen: 4.824 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

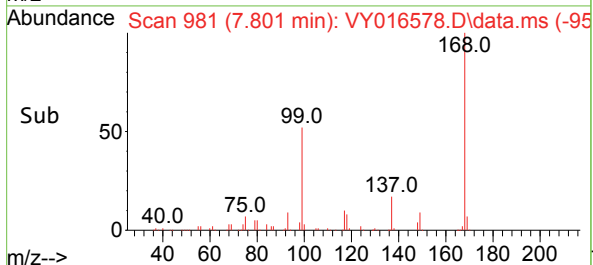
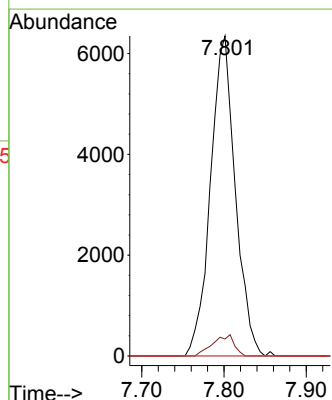
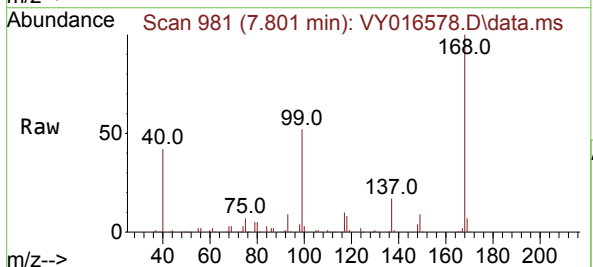
Instrument :
MSVOA_Y
ClientSampleId :

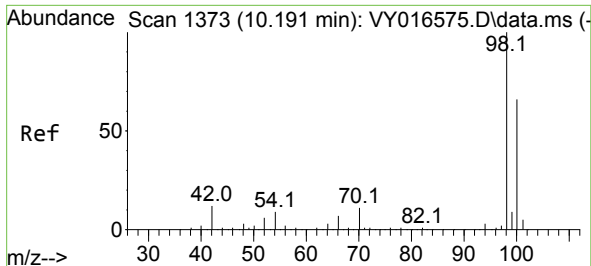
Tgt Ion: 75 Resp: 10076
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.3 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.515 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

Tgt Ion: 117 Resp: 13335
Ion Ratio Lower Upper
117 100
119 5.3 76.4 114.6#
121 0.0 25.8 38.6#

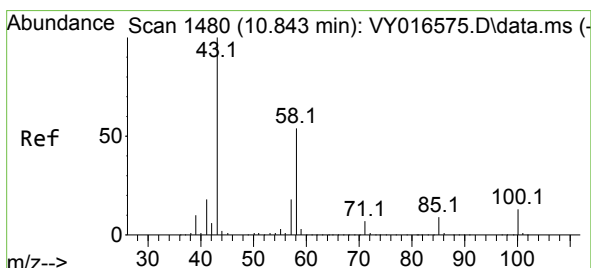
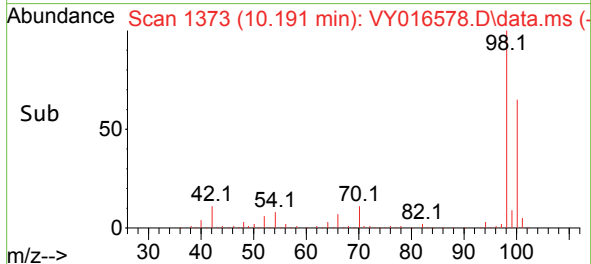
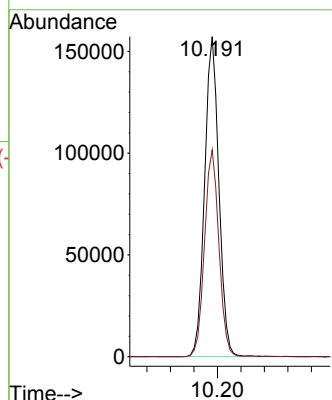
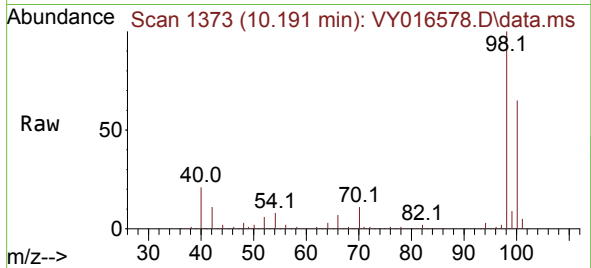




#50
Toluene-d8
Concen: 50.867 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

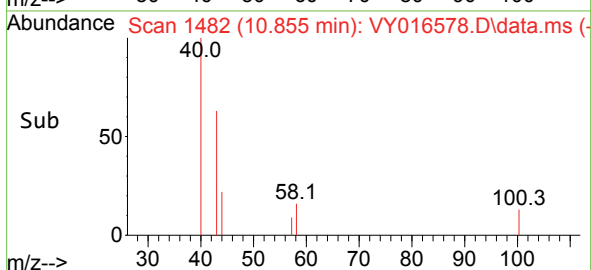
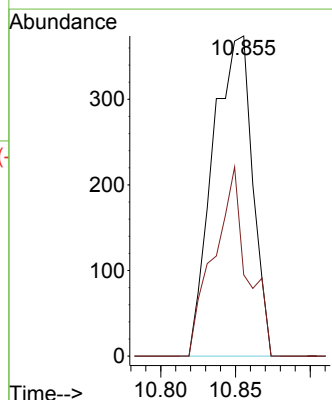
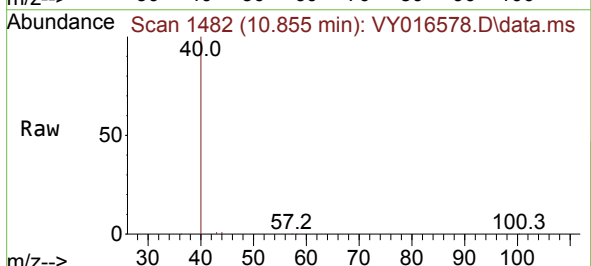
Instrument :
MSVOA_Y
ClientSampleId :

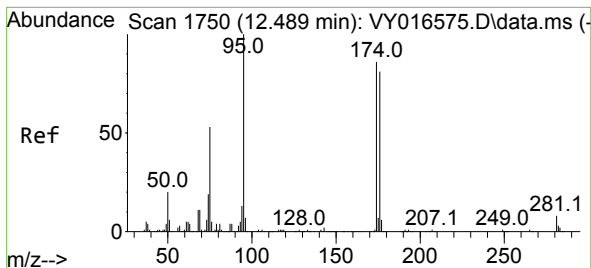
Tgt Ion: 98 Resp: 264377
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



#59
2-Hexanone
Concen: 1.038 ug/l
RT: 10.855 min Scan# 1482
Delta R.T. 0.012 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

Tgt Ion: 43 Resp: 688
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.3

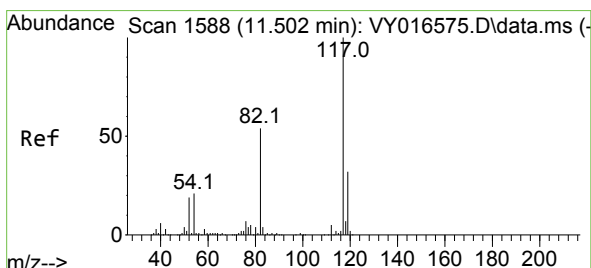
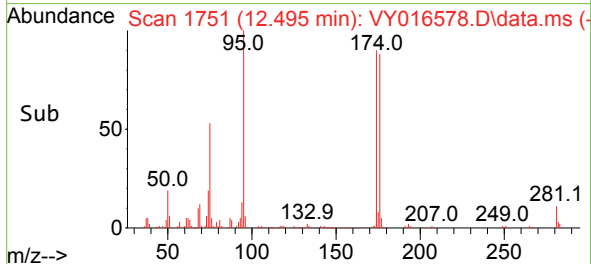
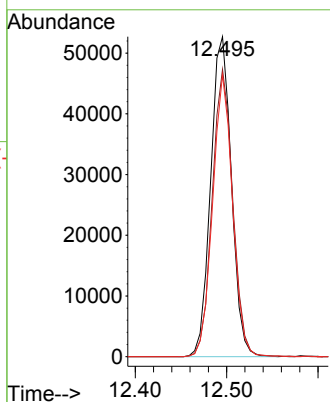
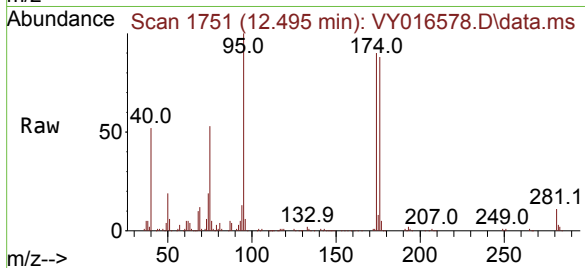




#62
4-Bromofluorobenzene
Concen: 48.535 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

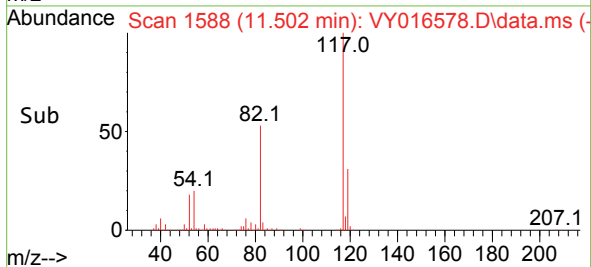
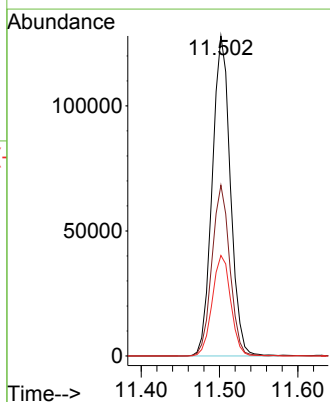
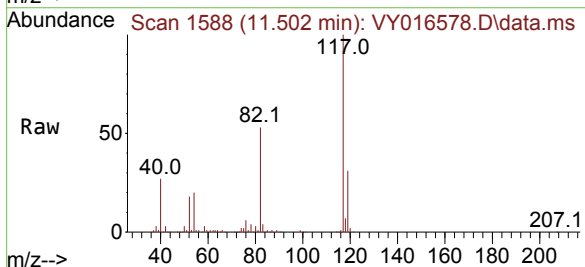
Instrument :
MSVOA_Y
ClientSampleId :

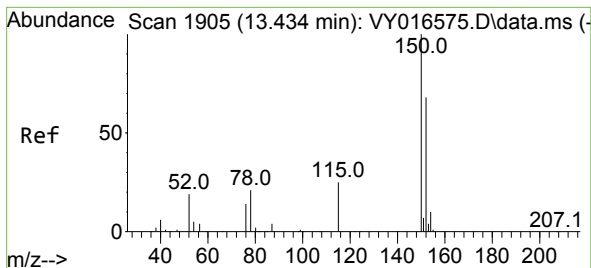
Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	178.2
176	85.0	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.4	65.0
119	31.4	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

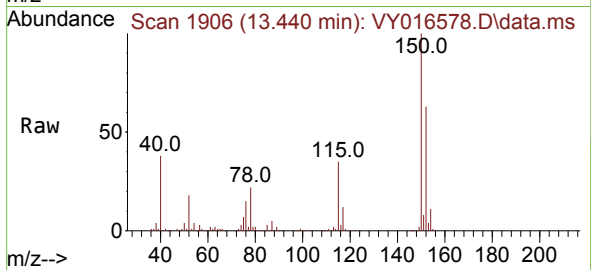
Lab File: VY016578.D

Acq: 04 Dec 2023 15:26

Instrument :

MSVOA_Y

ClientSampleId :



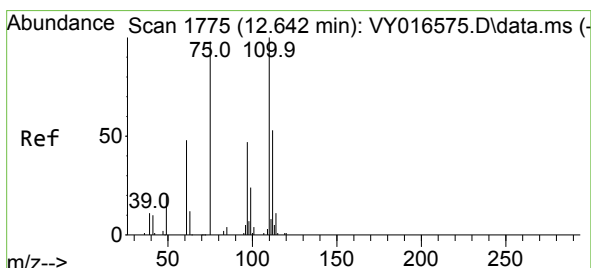
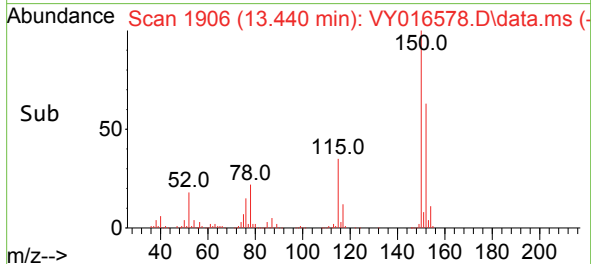
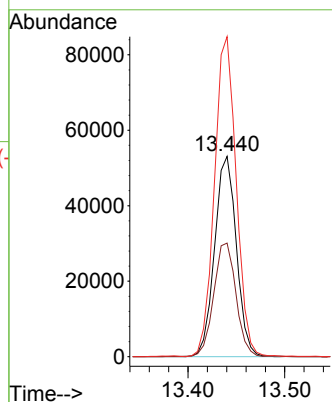
Tgt Ion:152 Resp: 82985

Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.5

150 159.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 57.652 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY016578.D

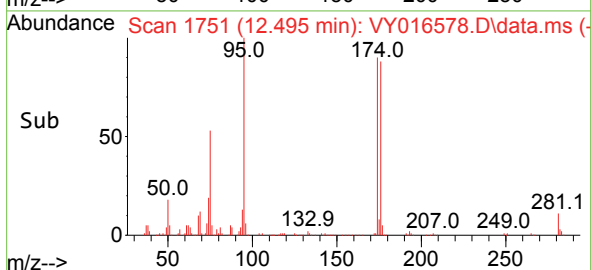
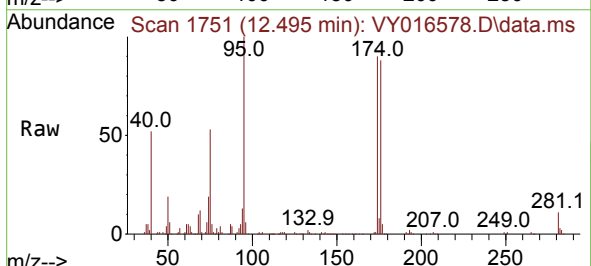
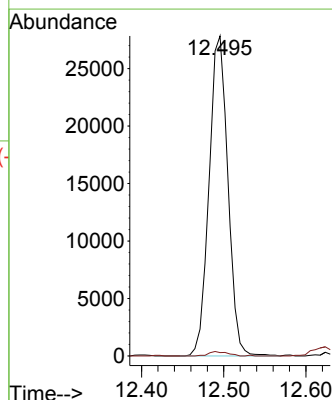
Acq: 04 Dec 2023 15:26

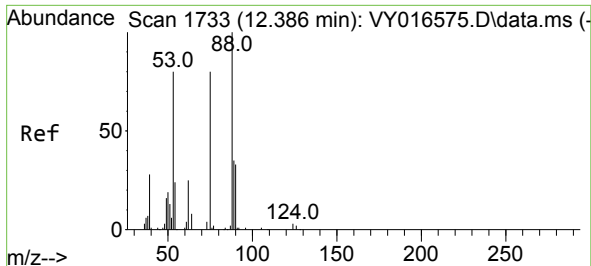
Tgt Ion: 75 Resp: 44296

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

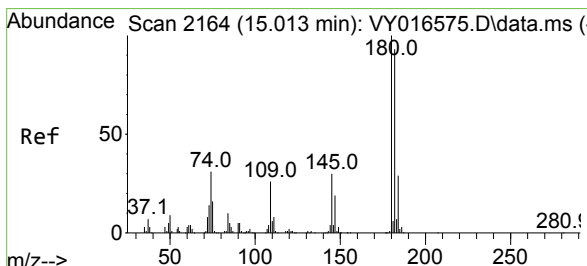
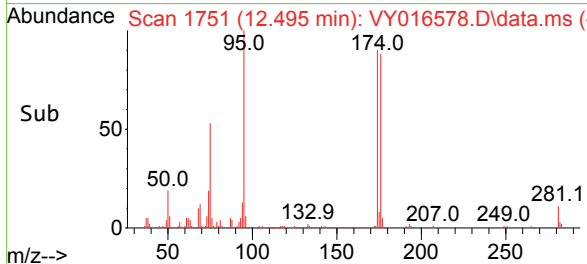
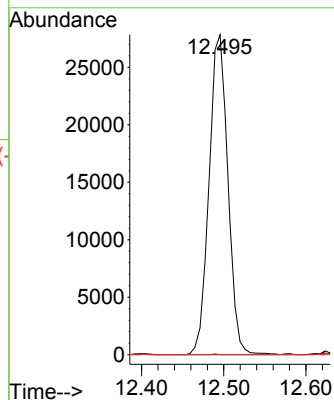
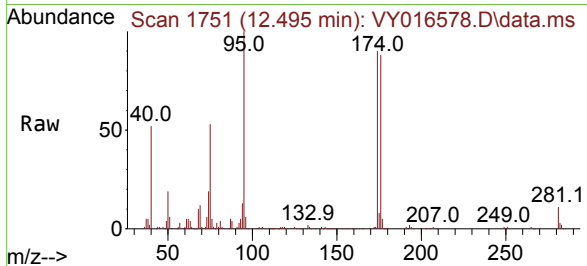




#81
trans-1,4-Dichloro-2-butene
Concen: 133.297 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

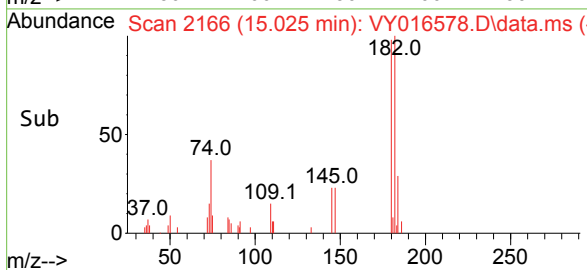
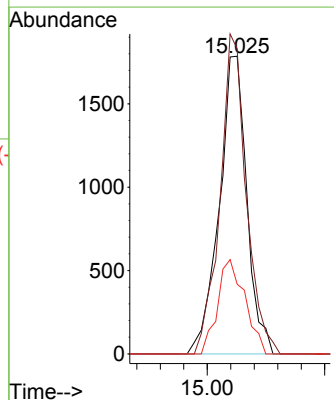
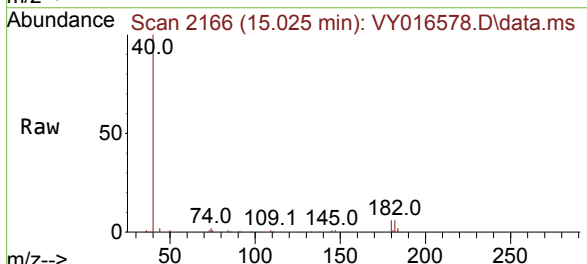
Instrument :
MSVOA_Y
ClientSampleId :

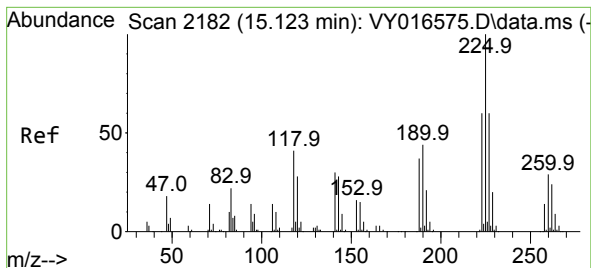
Tgt Ion: 75 Resp: 44296
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#93
1,2,4-Trichlorobenzene
Concen: 2.175 ug/l
RT: 15.025 min Scan# 2166
Delta R.T. 0.012 min
Lab File: VY016578.D
Acq: 04 Dec 2023 15:26

Tgt Ion: 180 Resp: 2913
Ion Ratio Lower Upper
180 100
182 102.0 47.0 141.2
145 31.3 14.5 43.5





#94

Hexachlorobutadiene

Concen: 1.348 ug/l

RT: 15.129 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY016578.D

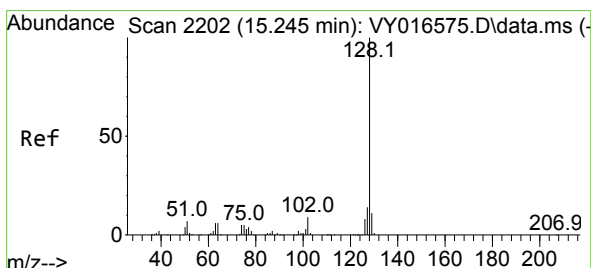
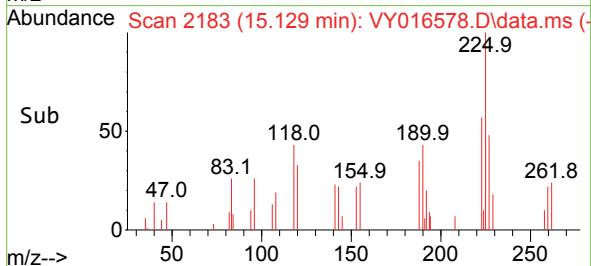
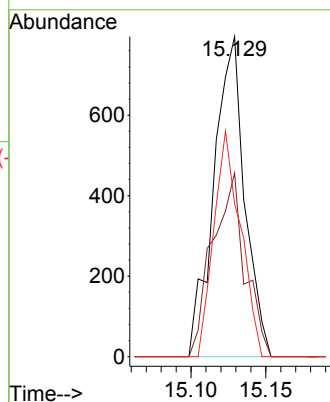
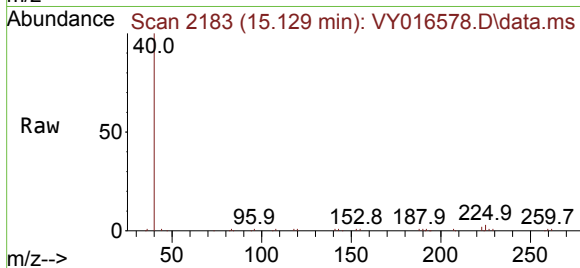
Acq: 04 Dec 2023 15:26

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	225	Resp:	1141
Ion Ratio	Lower	Upper	
225	100		
223	60.5	31.9	95.9
227	60.8	33.0	98.9



#95

Naphthalene

Concen: 1.490 ug/l

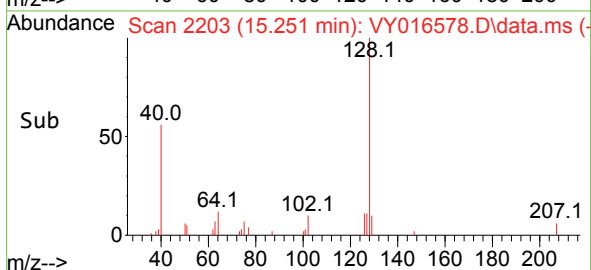
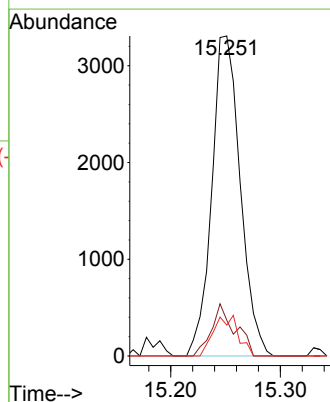
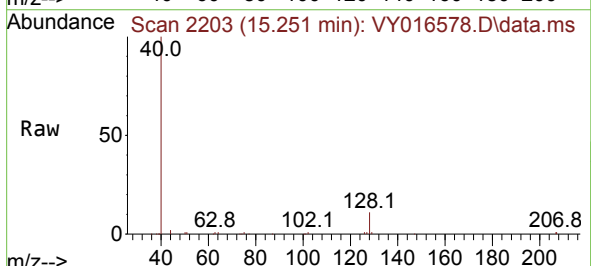
RT: 15.251 min Scan# 2203

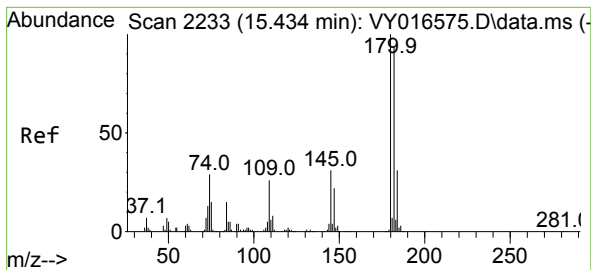
Delta R.T. 0.006 min

Lab File: VY016578.D

Acq: 04 Dec 2023 15:26

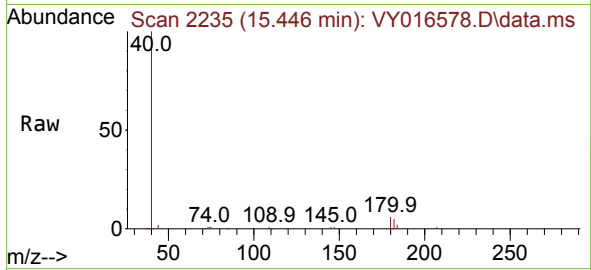
Tgt Ion:	128	Resp:	5970
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	10.9	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.010 ug/l
 RT: 15.446 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VY016578.D
 Acq: 04 Dec 2023 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	3001
Ion	Ratio	Lower	Upper
180	100		
182	101.1	47.3	141.8
145	33.9	15.4	46.2

