

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016809.D
 Acq On : 22 Dec 2023 15:36
 Operator : SY/MD
 Sample : 05877-10
 Misc : 2.70g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:00:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

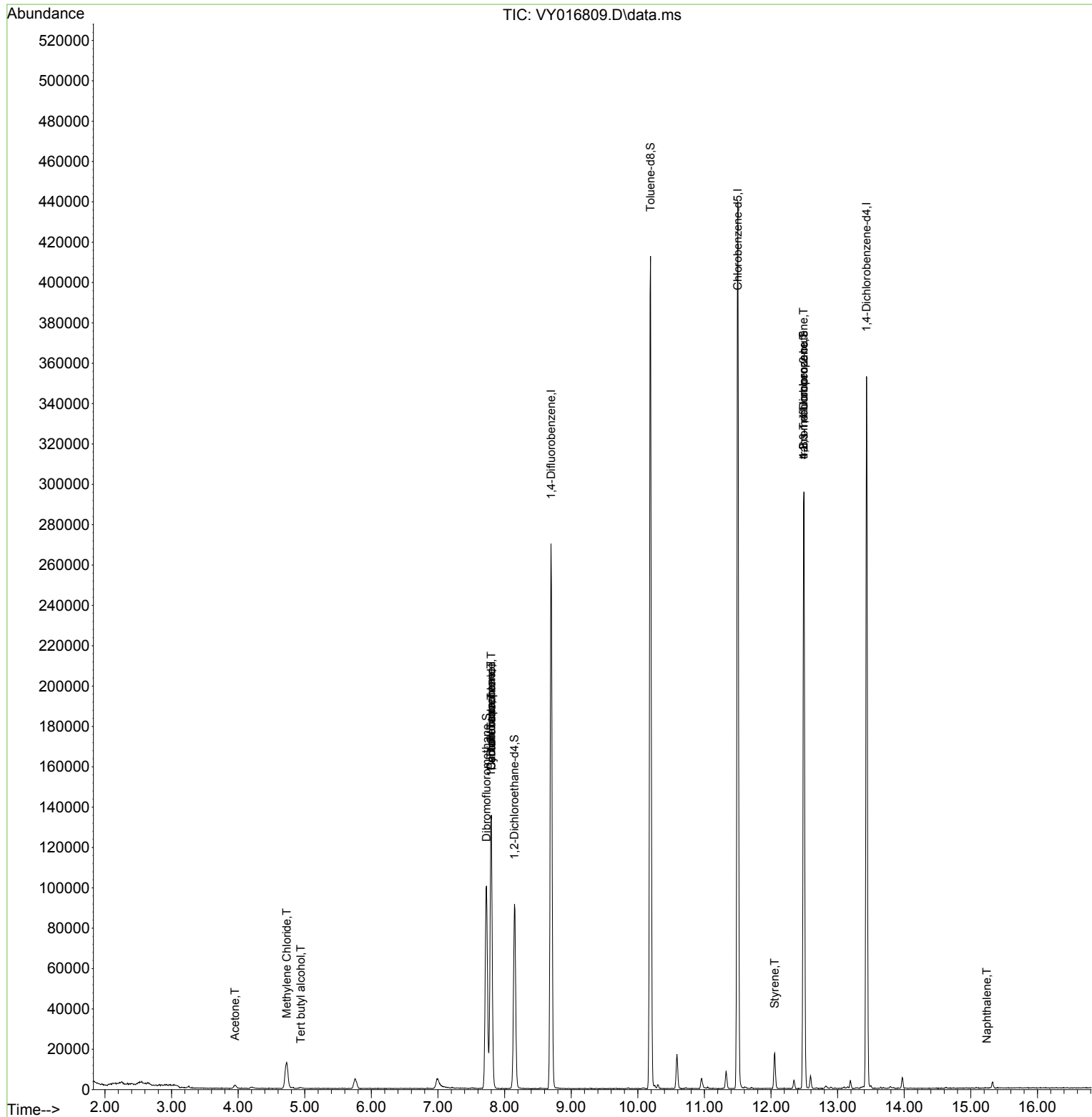
Internal Standards						
1) Pentafluorobenzene	7.801	168	102014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	228203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	232886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	86830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	70418	75.614	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 151.220%	
35) Dibromofluoromethane	7.728	113	74807	57.227	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.460%	
50) Toluene-d8	10.191	98	270923	57.492	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.980%	
62) 4-Bromofluorobenzene	12.489	95	88129	57.645	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 115.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	633	8.290	ug/l #	75
16) Acetone	3.954	43	3225	12.806	ug/l	95
20) Methylene Chloride	4.729	84	10200	5.165	ug/l	96
31) Cyclohexane	7.801	56	2479	1.389	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	9346	4.460	ug/l #	48
38) Carbon Tetrachloride	7.801	117	10419	5.024	ug/l #	17
70) Styrene	12.057	104	9007	2.133	ug/l	88
76) 1,2,3-Trichloropropane	12.489	75	47024	48.990	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	47024	115.051	ug/l #	12
95) Naphthalene	15.239	128	225	3.669	ug/l #	69

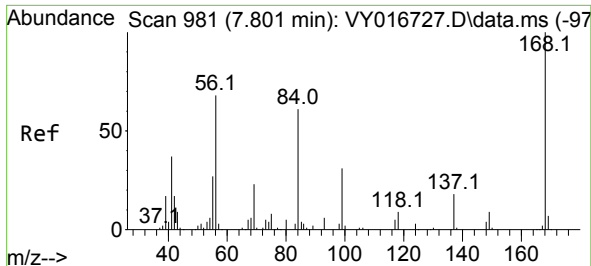
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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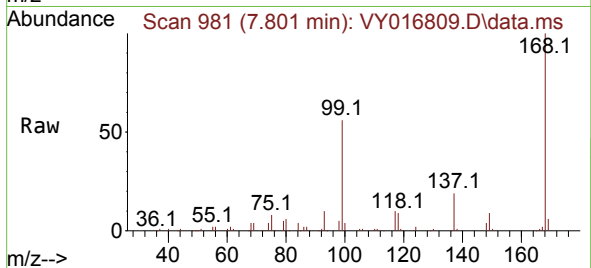
Quant Time: Dec 22 23:00:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
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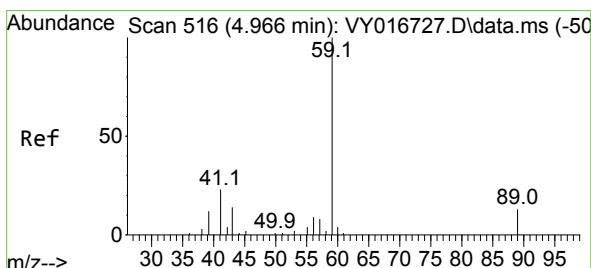
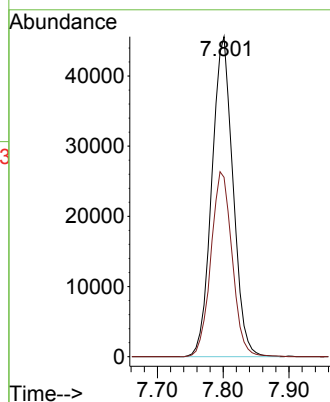
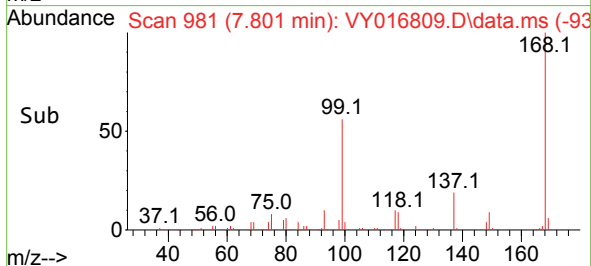


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016809.D
Acq: 22 Dec 2023 15:36

Instrument :
MSVOA_Y
ClientSampleId :

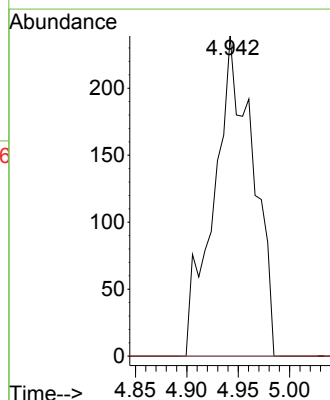
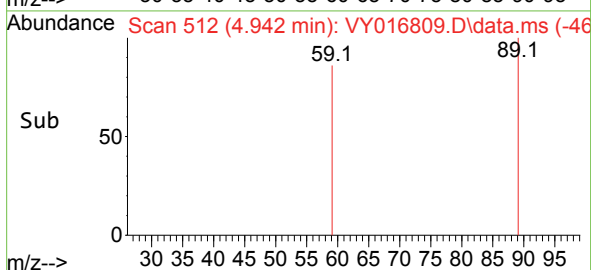
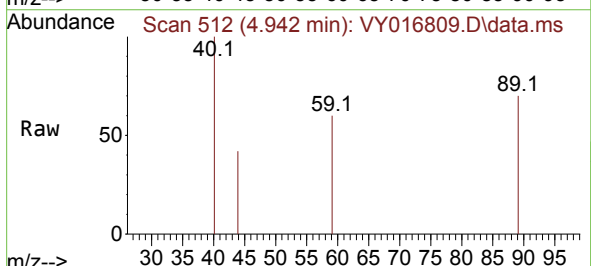


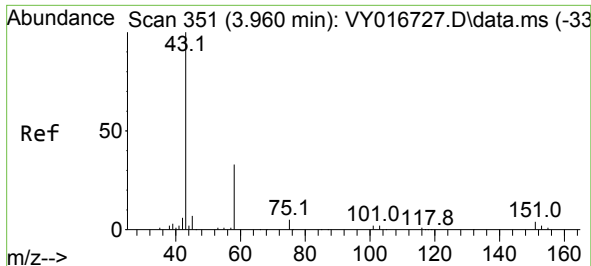
Tgt Ion:168 Resp: 102014
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 8.290 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.024 min
Lab File: VY016809.D
Acq: 22 Dec 2023 15:36

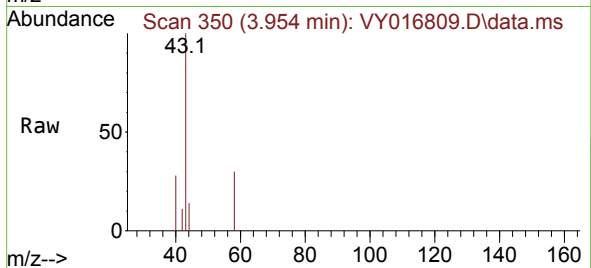
Tgt Ion: 59 Resp: 633
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



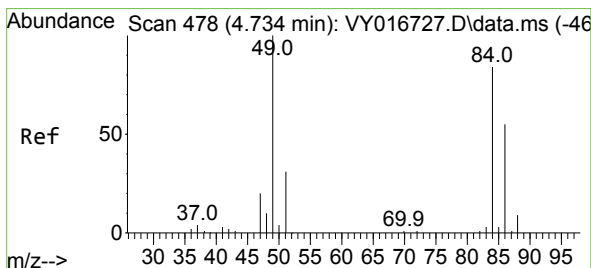
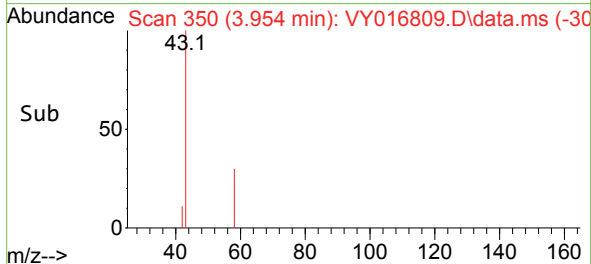
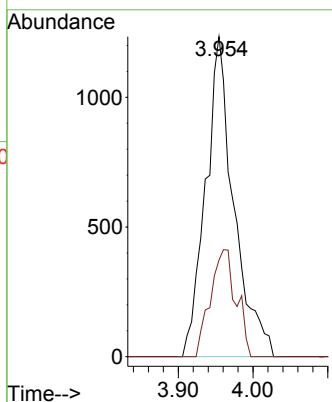


#16
Acetone
Concen: 12.806 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY016809.D
Acq: 22 Dec 2023 15:36

Instrument :
MSVOA_Y
ClientSampleId :

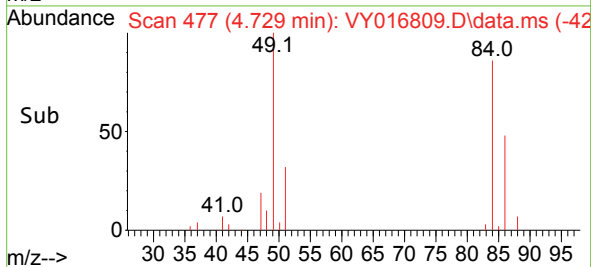
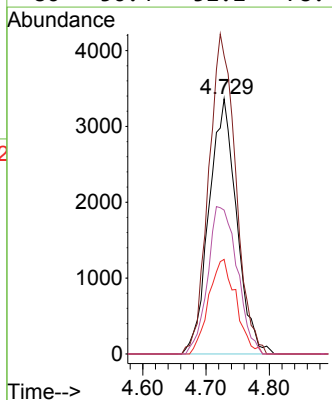
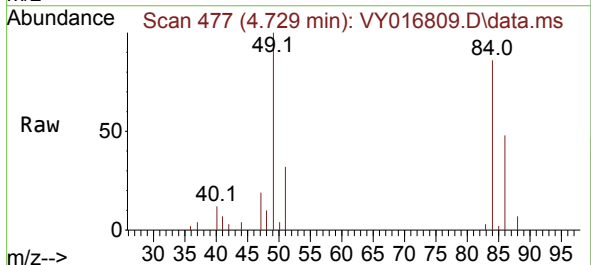


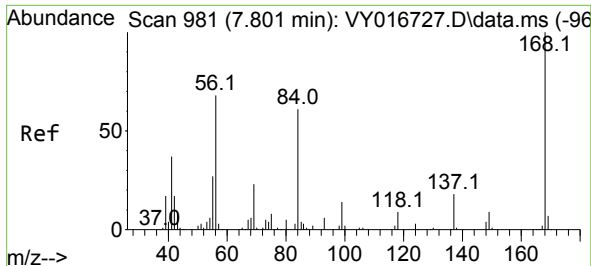
Tgt Ion: 43 Resp: 3225
Ion Ratio Lower Upper
43 100
58 30.2 26.6 39.8



#20
Methylene Chloride
Concen: 5.165 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.005 min
Lab File: VY016809.D
Acq: 22 Dec 2023 15:36

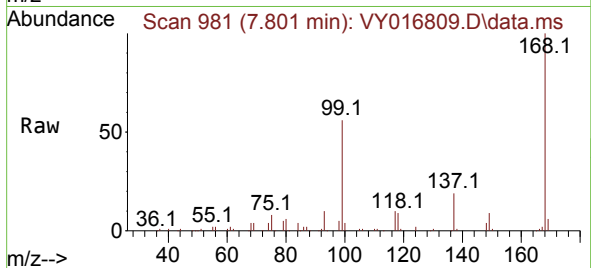
Tgt Ion: 84 Resp: 10200
Ion Ratio Lower Upper
84 100
49 116.8 95.2 142.8
51 37.1 29.9 44.9
86 56.4 52.2 78.4



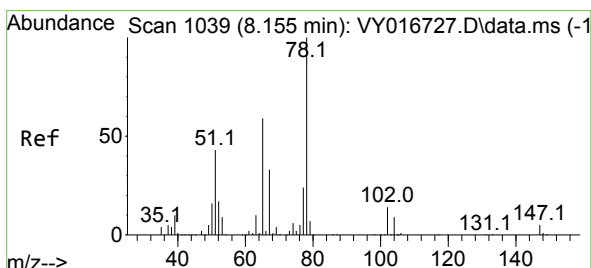
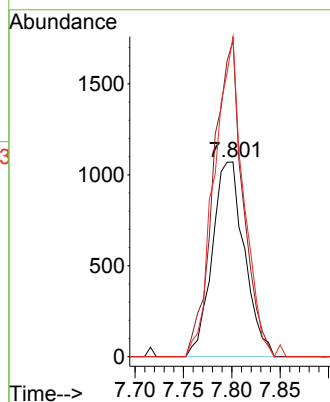
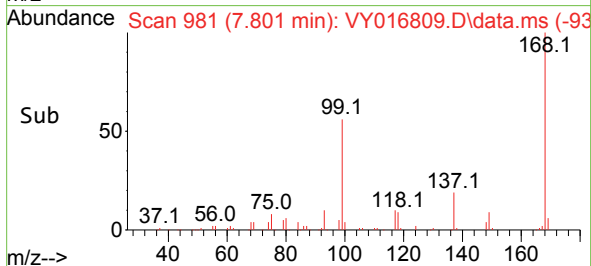


#31
Cyclohexane
Concen: 1.389 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016809.D
Acq: 22 Dec 2023 15:36

Instrument :
MSVOA_Y
ClientSampleId :

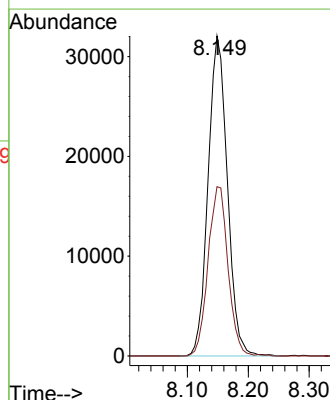
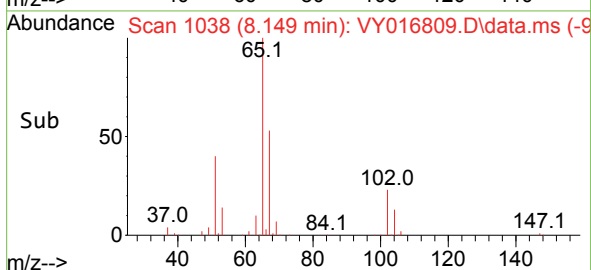
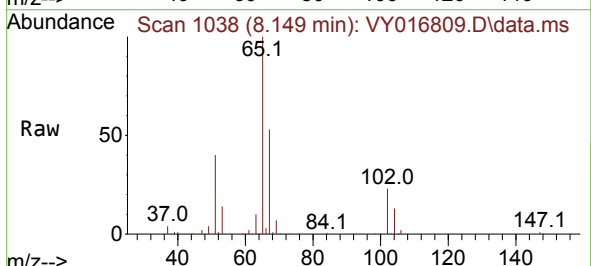


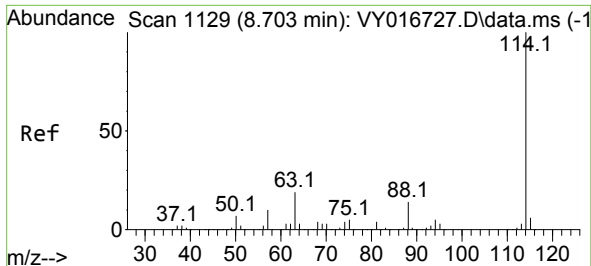
Tgt Ion: 56 Resp: 2479
Ion Ratio Lower Upper
56 100
69 162.2 27.0 40.6#
84 164.3 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 75.614 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY016809.D
Acq: 22 Dec 2023 15:36

Tgt Ion: 65 Resp: 70418
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016809.D

Acq: 22 Dec 2023 15:36

Instrument :

MSVOA_Y

ClientSampleId :

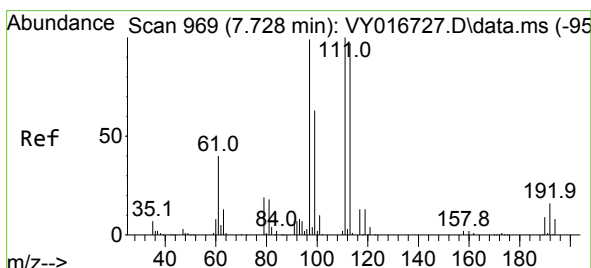
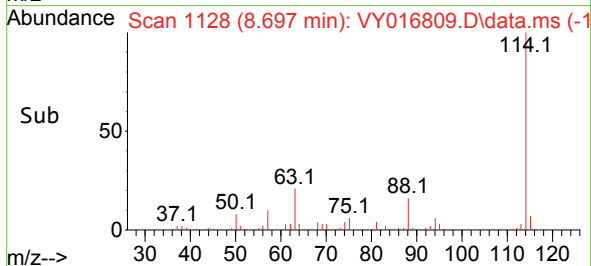
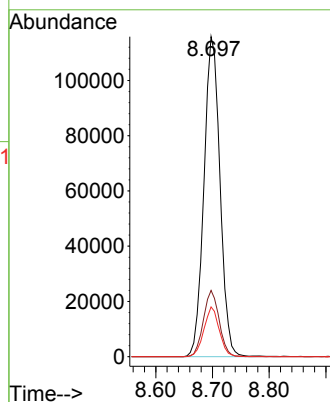
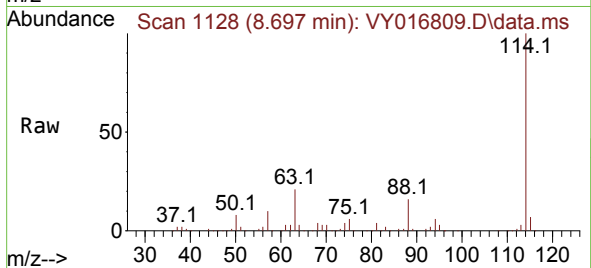
Tgt Ion:114 Resp: 228203

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

88 15.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 57.227 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY016809.D

Acq: 22 Dec 2023 15:36

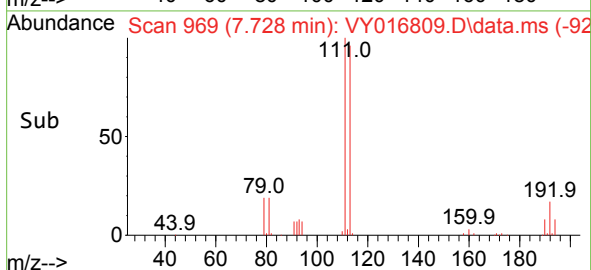
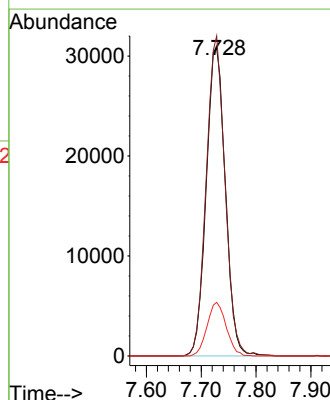
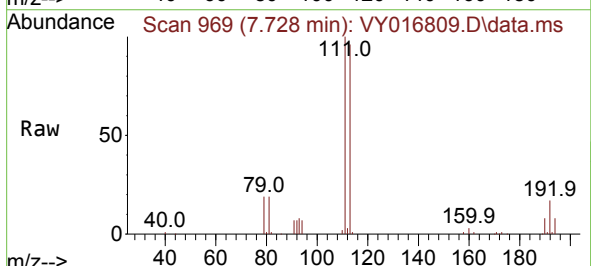
Tgt Ion:113 Resp: 74807

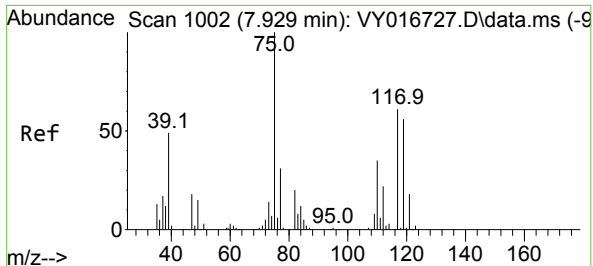
Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 17.4 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.460 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.134 min

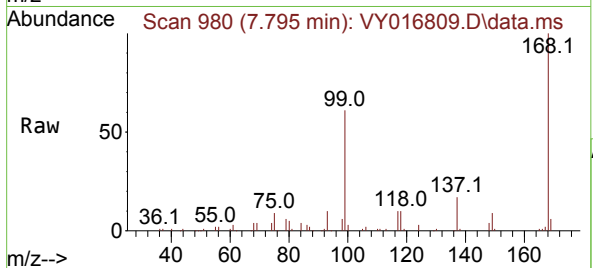
Lab File: VY016809.D

Acq: 22 Dec 2023 15:36

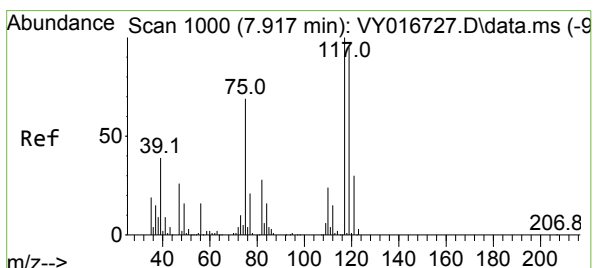
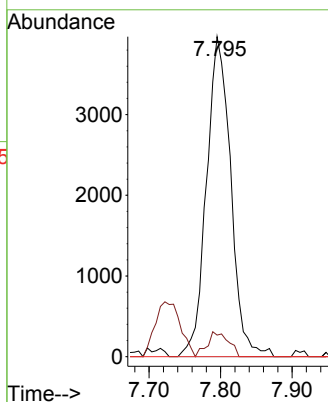
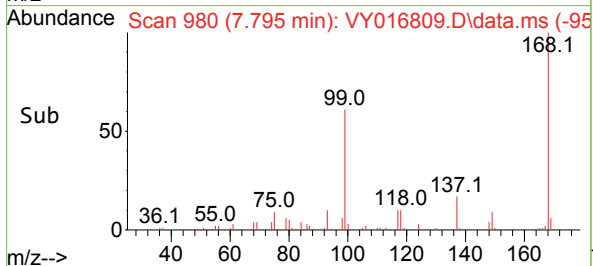
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 9346
Ion Ratio	Lower Upper
75	100
110	6.7 17.4 52.3#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.024 ug/l

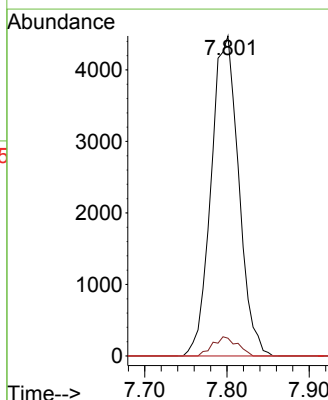
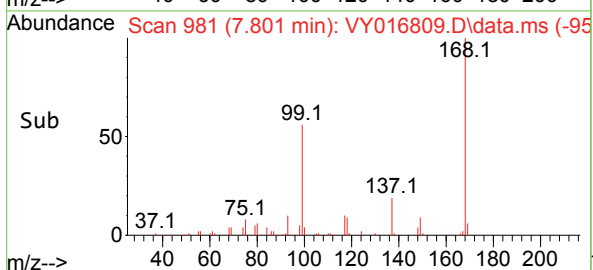
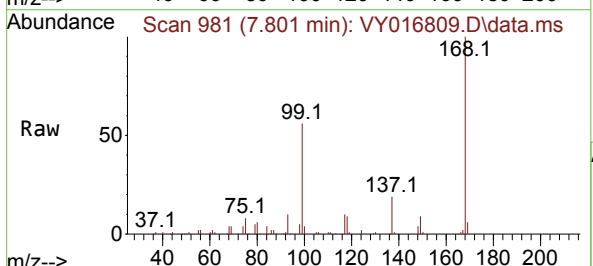
RT: 7.801 min Scan# 981

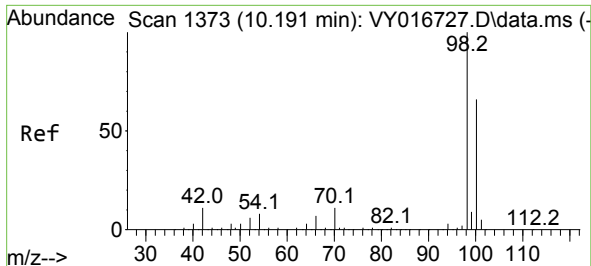
Delta R.T. -0.116 min

Lab File: VY016809.D

Acq: 22 Dec 2023 15:36

Tgt Ion: 117	Resp: 10419
Ion Ratio	Lower Upper
117	100
119	5.6 76.0 114.0#
121	0.0 24.2 36.2#

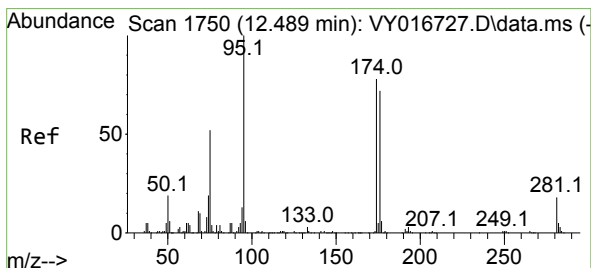
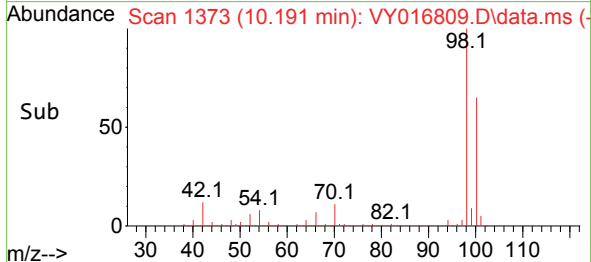
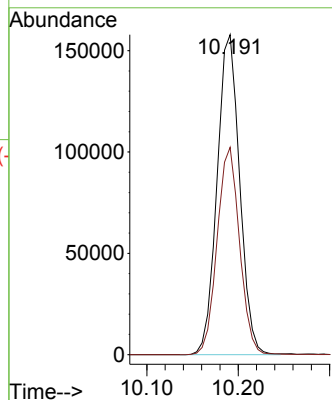
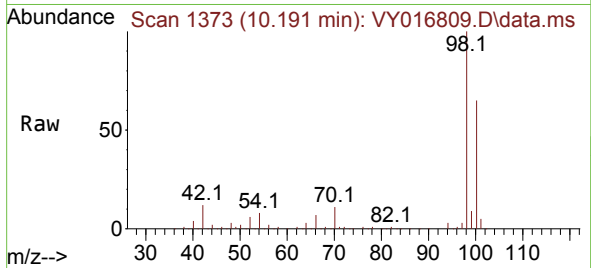




#50
Toluene-d8
Concen: 57.492 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016809.D
Acq: 22 Dec 2023 15:36

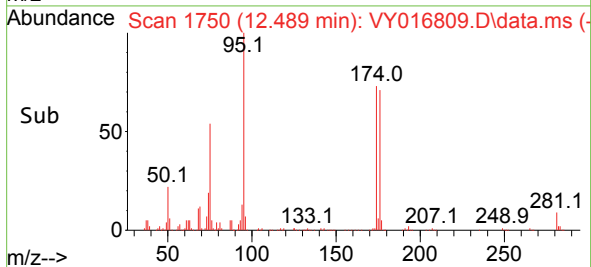
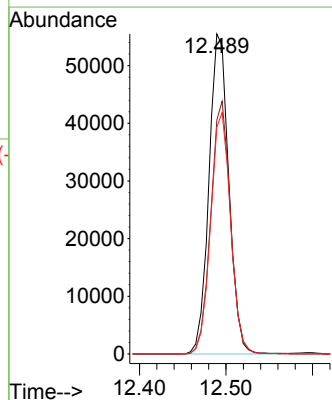
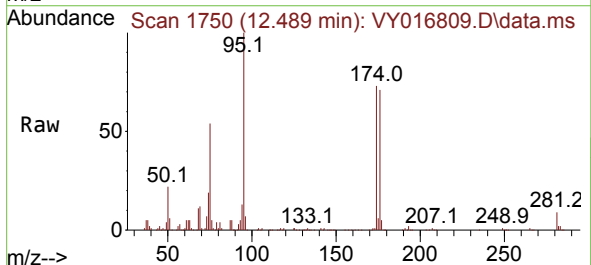
Instrument :
MSVOA_Y
ClientSampleId :

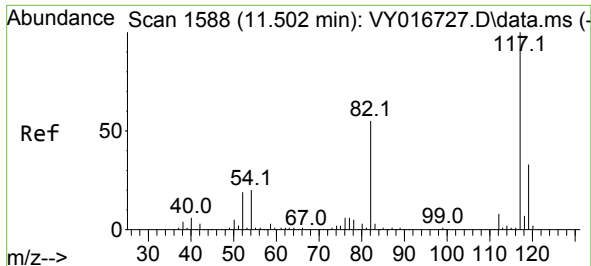
Tgt Ion: 98 Resp: 270923
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 57.645 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016809.D
Acq: 22 Dec 2023 15:36

Tgt Ion: 95 Resp: 88129
Ion Ratio Lower Upper
95 100
174 78.7 0.0 160.0
176 75.6 0.0 151.8

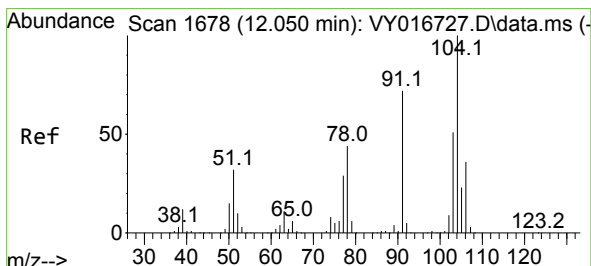
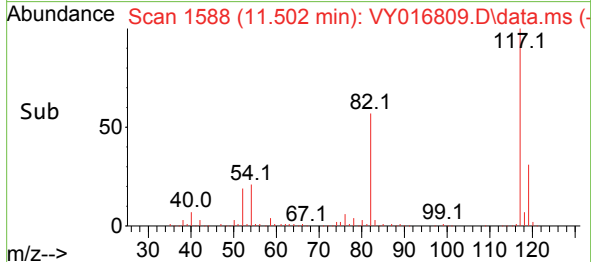
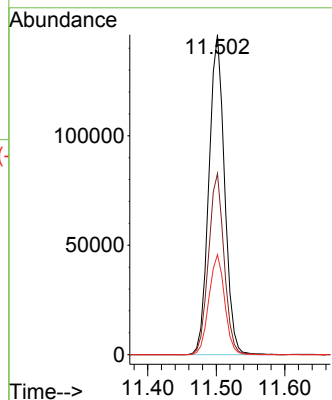
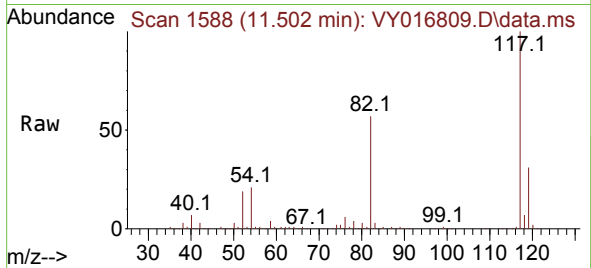




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016809.D
Acq: 22 Dec 2023 15:36

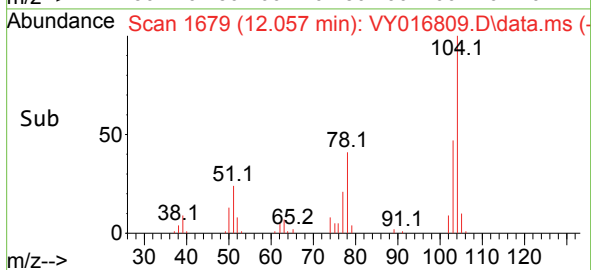
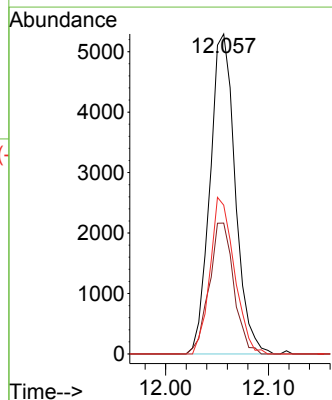
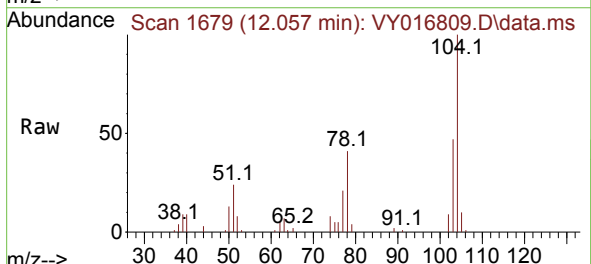
Instrument :
MSVOA_Y
ClientSampleId :

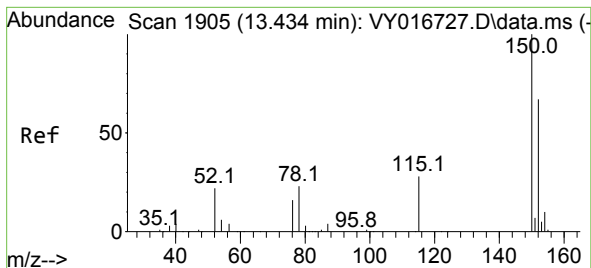
Tgt Ion:117 Resp: 232886
Ion Ratio Lower Upper
117 100
82 56.6 43.8 65.8
119 31.3 26.5 39.7



#70
Styrene
Concen: 2.133 ug/l
RT: 12.057 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY016809.D
Acq: 22 Dec 2023 15:36

Tgt Ion:104 Resp: 9007
Ion Ratio Lower Upper
104 100
78 39.9 39.2 58.8
103 47.2 43.8 65.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY016809.D

Acq: 22 Dec 2023 15:36

Instrument :

MSVOA_Y

ClientSampleId :

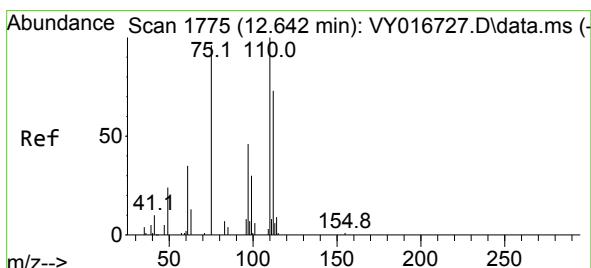
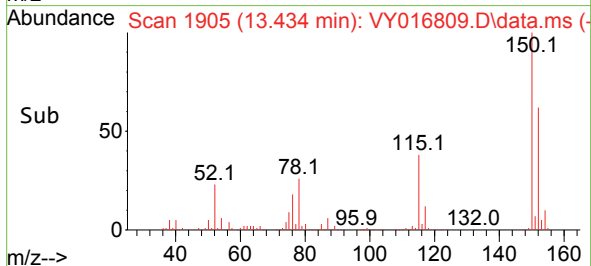
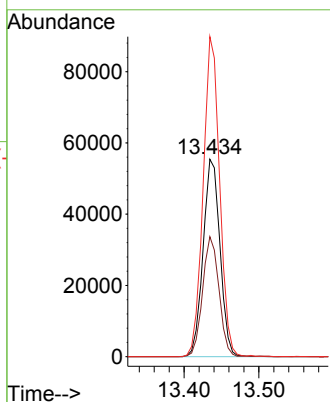
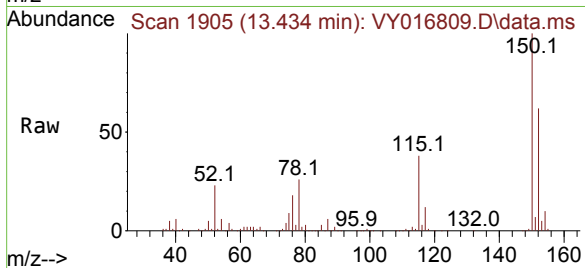
Tgt Ion:152 Resp: 86830

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 157.8 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 48.990 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY016809.D

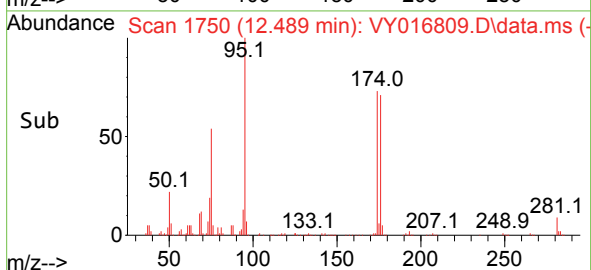
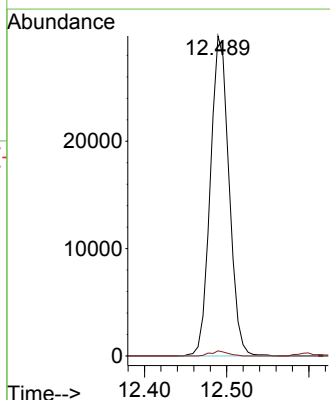
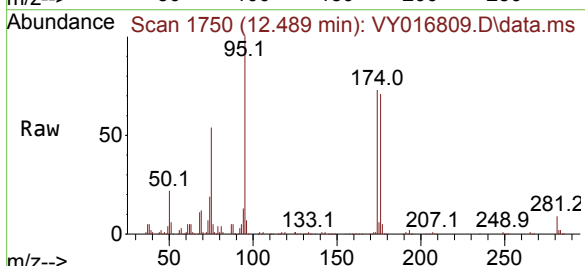
Acq: 22 Dec 2023 15:36

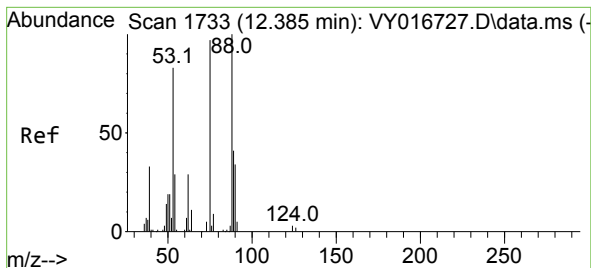
Tgt Ion: 75 Resp: 47024

Ion Ratio Lower Upper

75 100

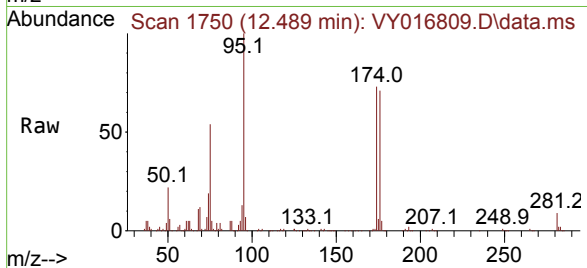
77 1.4 0.0 0.0#



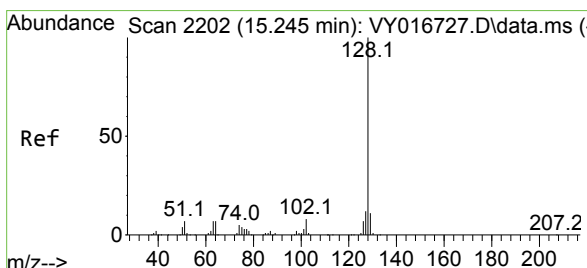
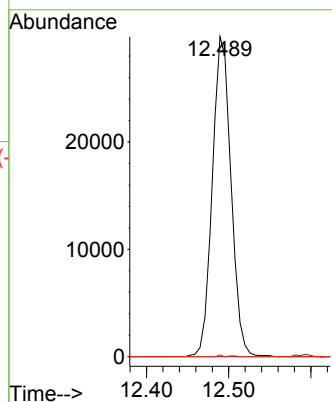
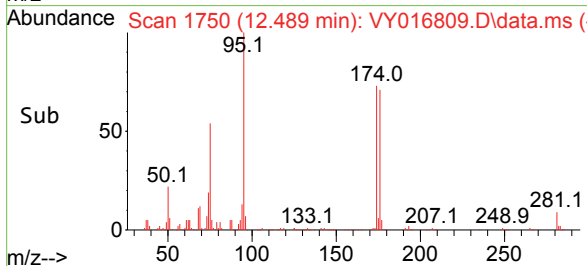


#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.051 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. 0.104 min
 Lab File: VY016809.D
 Acq: 22 Dec 2023 15:36

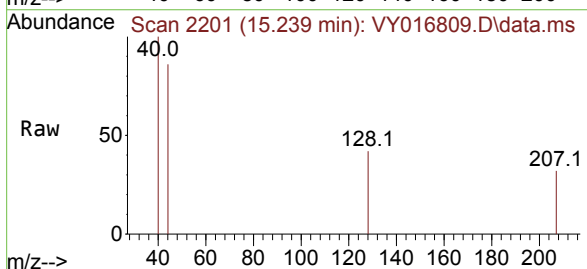
Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 47024
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.2 36.5 54.7#



#95
 Naphthalene
 Concen: 3.669 ug/l
 RT: 15.239 min Scan# 2201
 Delta R.T. -0.006 min
 Lab File: VY016809.D
 Acq: 22 Dec 2023 15:36



Tgt Ion: 128 Resp: 225
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 0.0 8.6 12.8#

