

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016821.D
 Acq On : 22 Dec 2023 20:17
 Operator : SY/MD
 Sample : 05879-17
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:05:12 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)

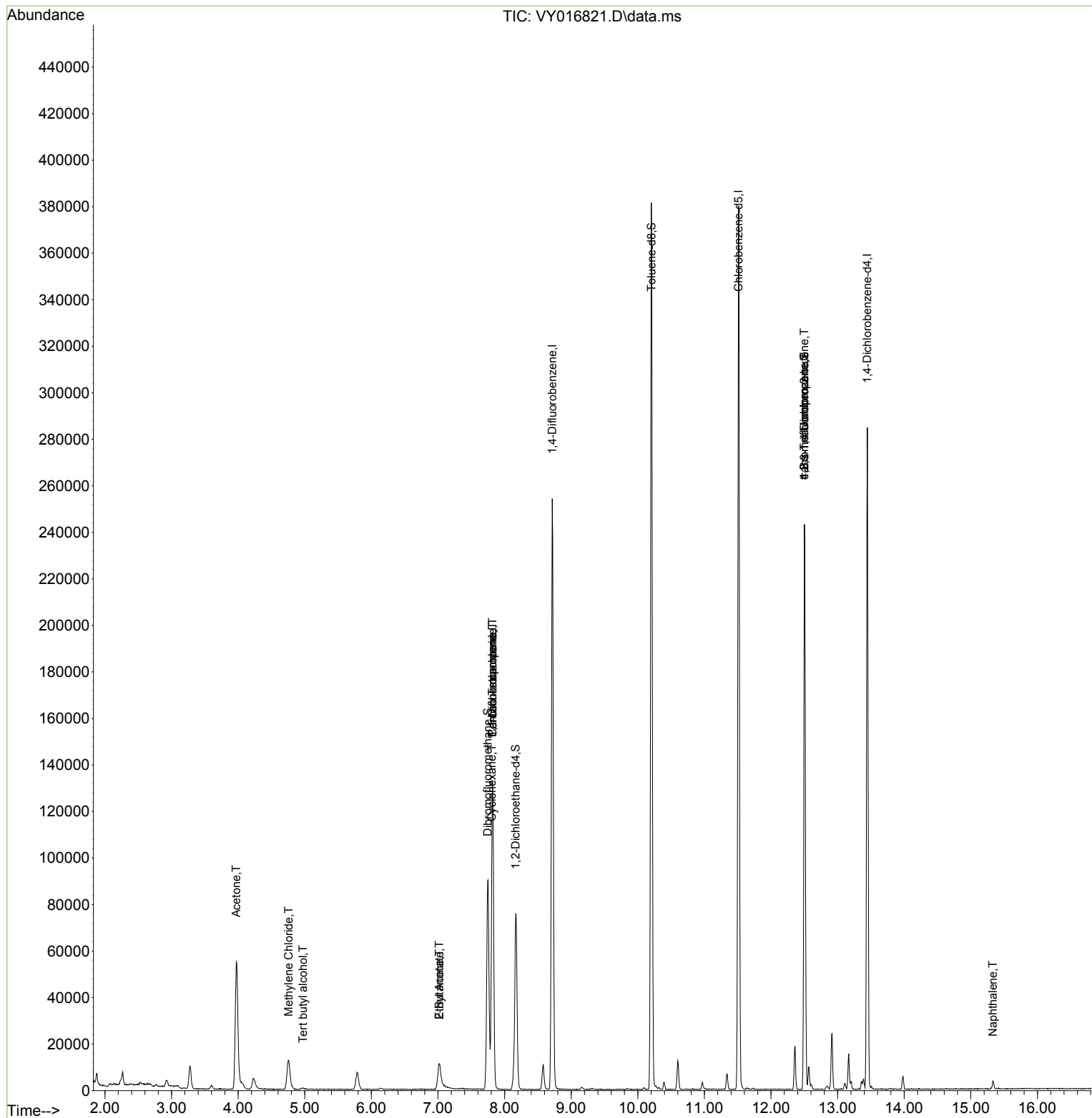
Internal Standards						
1) Pentafluorobenzene	7.819	168	99702	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	217755	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	204815	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	70207	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	57818	63.524	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.040%	
35) Dibromofluoromethane	7.746	113	66687	53.463	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.920%	
50) Toluene-d8	10.203	98	244114	54.289	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.580%	
62) 4-Bromofluorobenzene	12.502	95	70081	48.039	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	1041	13.950	ug/l #	75
16) Acetone	3.973	43	100372	407.815	ug/l	99
20) Methylene Chloride	4.759	84	9773	5.006	ug/l	94
25) 2-Butanone	7.021	43	9663	28.516	ug/l	93
31) Cyclohexane	7.807	56	2227	1.277	ug/l #	27
36) 1,1-Dichloropropene	7.819	75	9119	4.560	ug/l #	48
37) Ethyl Acetate	7.021	43	9663	11.274	ug/l #	74
38) Carbon Tetrachloride	7.819	117	10260	5.185	ug/l #	16
76) 1,2,3-Trichloropropane	12.502	75	37957	48.907	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.502	75	37957	114.856	ug/l #	12
95) Naphthalene	15.330	128	19	3.602	ug/l #	69

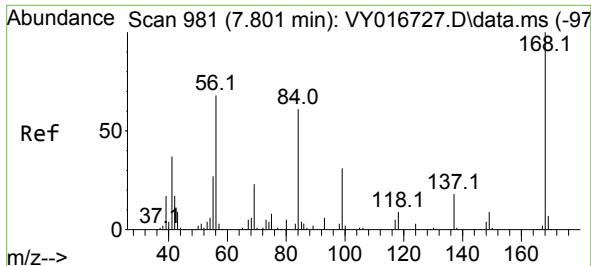
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
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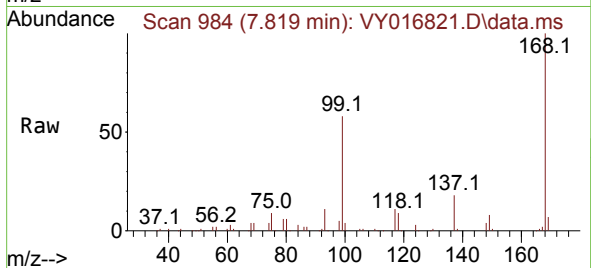
Quant Time: Dec 22 23:05:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
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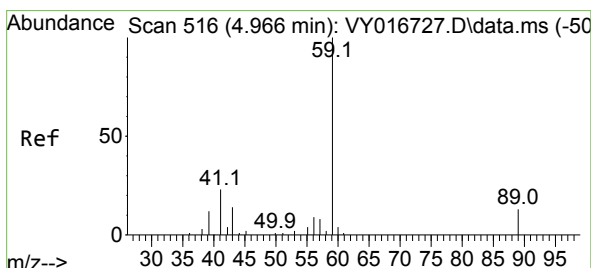
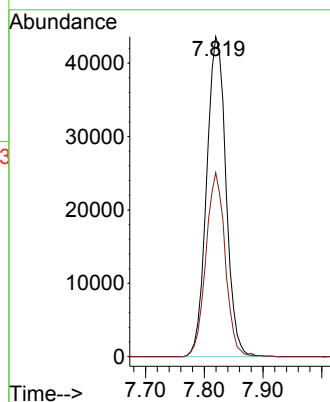
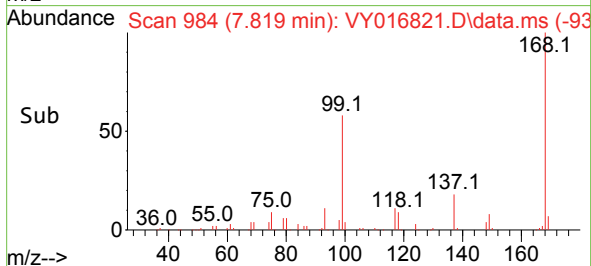


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016821.D
Acq: 22 Dec 2023 20:17

Instrument :
MSVOA_Y
ClientSampleId :

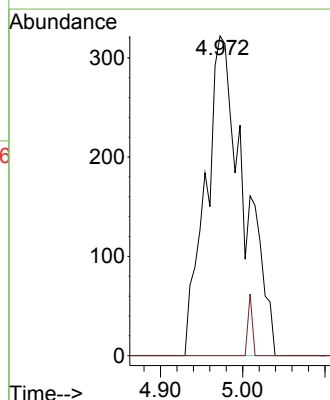
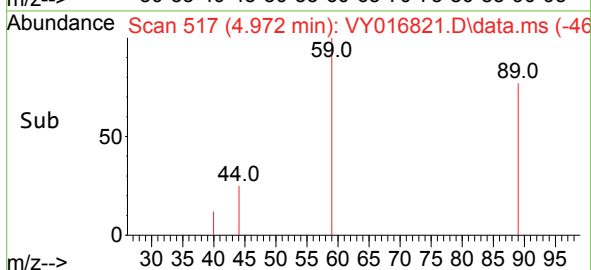
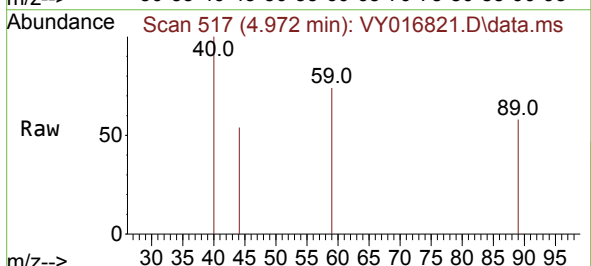


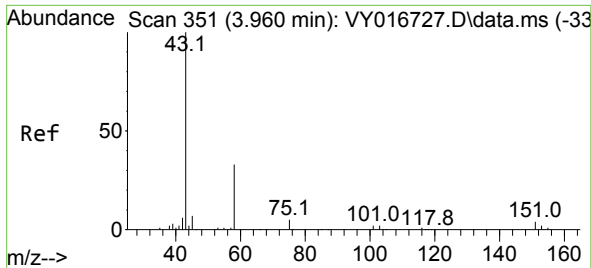
Tgt Ion:168 Resp: 99702
Ion Ratio Lower Upper
168 100
99 57.5 44.2 66.4



#11
Tert butyl alcohol
Concen: 13.950 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016821.D
Acq: 22 Dec 2023 20:17

Tgt Ion: 59 Resp: 1041
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

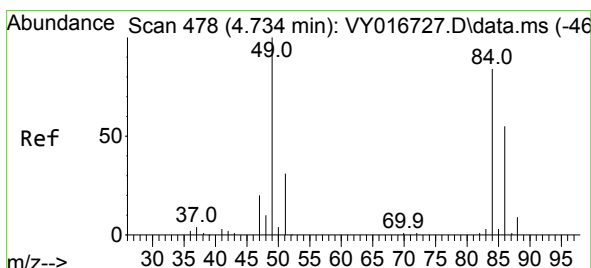
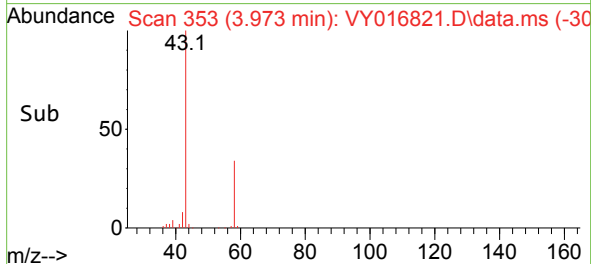
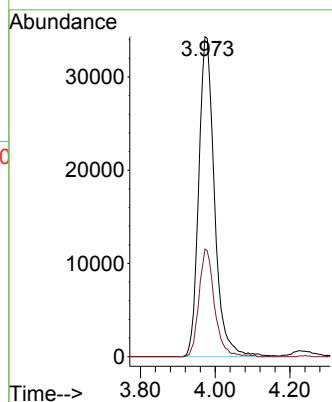
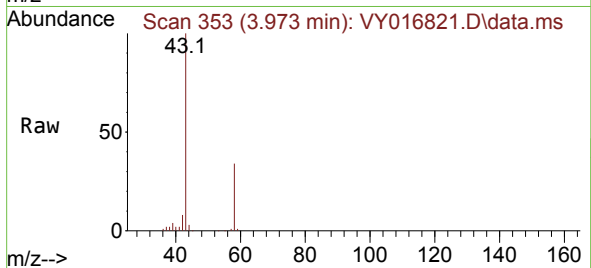




#16
Acetone
Concen: 407.815 ug/l
RT: 3.973 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY016821.D
Acq: 22 Dec 2023 20:17

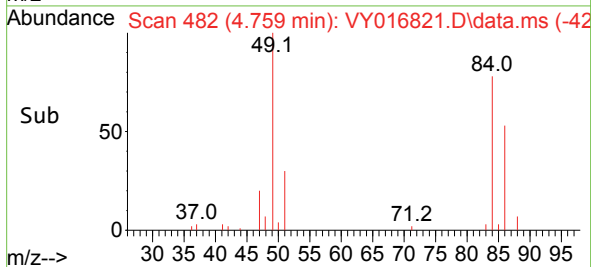
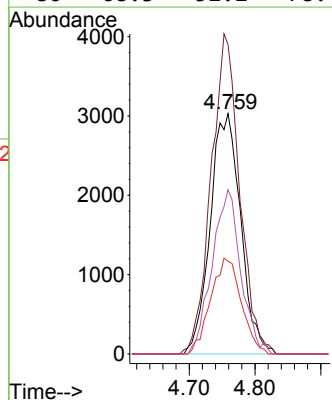
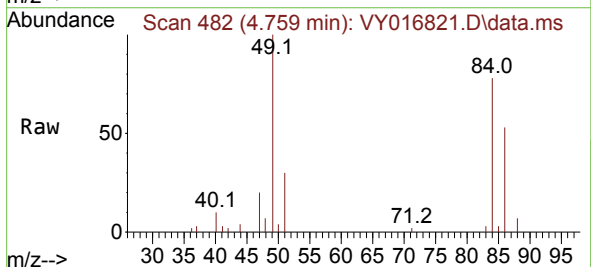
Instrument :
MSVOA_Y
ClientSampleId :

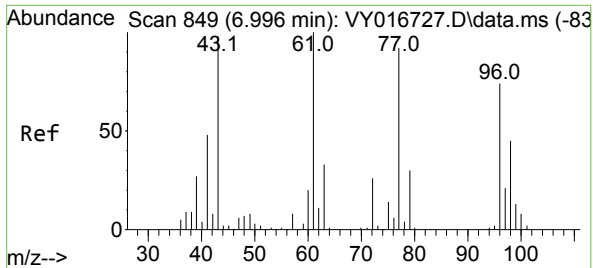
Tgt Ion: 43 Resp: 100372
Ion Ratio Lower Upper
43 100
58 33.7 26.6 39.8



#20
Methylene Chloride
Concen: 5.006 ug/l
RT: 4.759 min Scan# 482
Delta R.T. 0.025 min
Lab File: VY016821.D
Acq: 22 Dec 2023 20:17

Tgt Ion: 84 Resp: 9773
Ion Ratio Lower Upper
84 100
49 128.7 95.2 142.8
51 38.6 29.9 44.9
86 68.3 52.2 78.4





#25

2-Butanone

Concen: 28.516 ug/l

RT: 7.021 min Scan# 8

Delta R.T. 0.025 min

Lab File: VY016821.D

Acq: 22 Dec 2023 20:17

Instrument :

MSVOA_Y

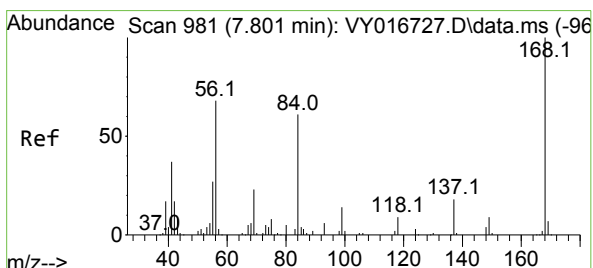
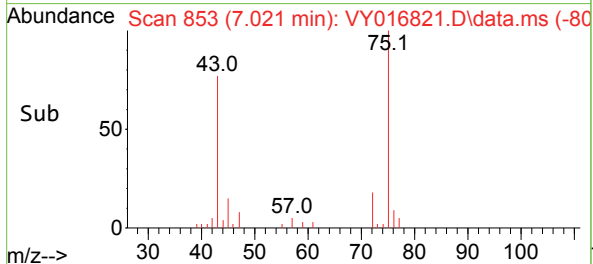
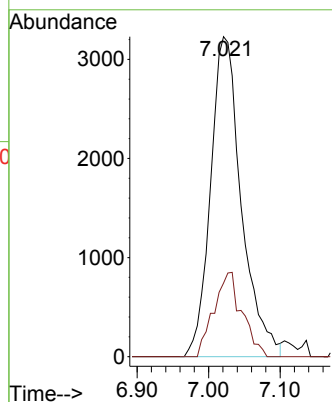
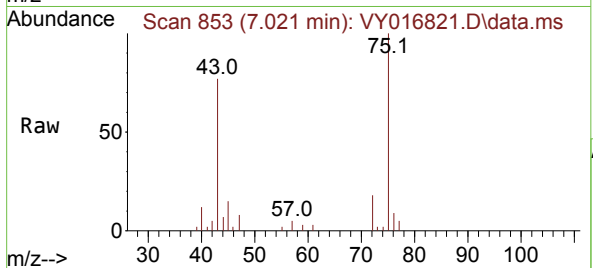
ClientSampleId :

Tgt Ion: 43 Resp: 9663

Ion Ratio Lower Upper

43 100

72 23.0 21.4 32.2



#31

Cyclohexane

Concen: 1.277 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY016821.D

Acq: 22 Dec 2023 20:17

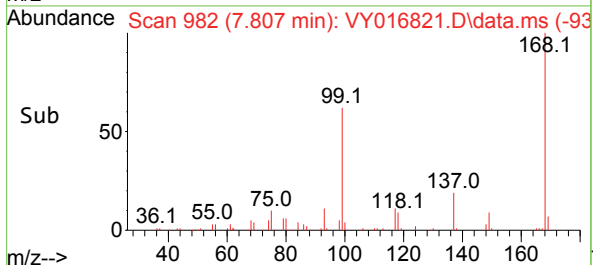
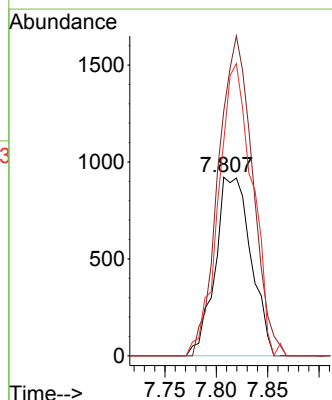
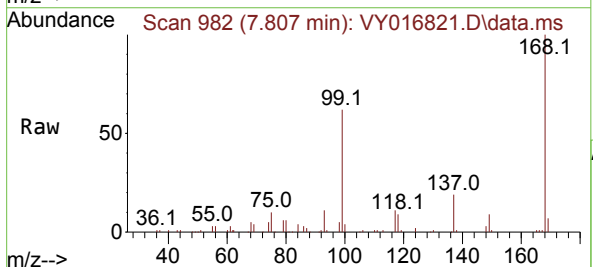
Tgt Ion: 56 Resp: 2227

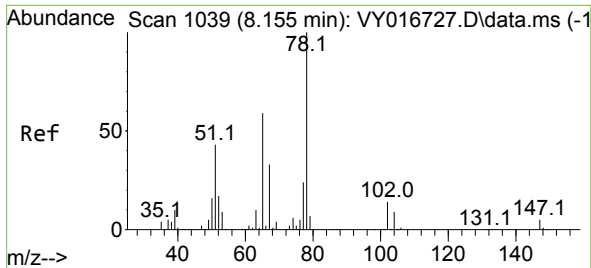
Ion Ratio Lower Upper

56 100

69 137.0 27.0 40.6#

84 120.0 71.8 107.6#

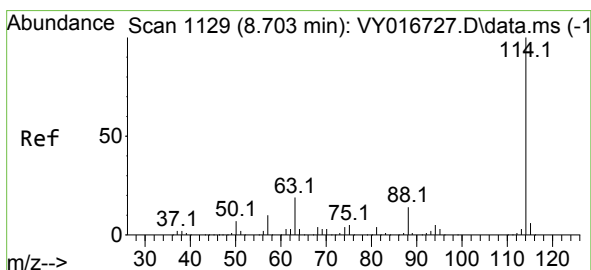
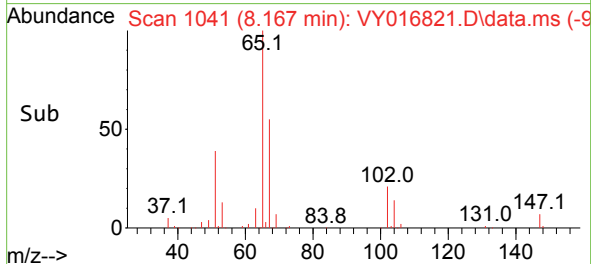
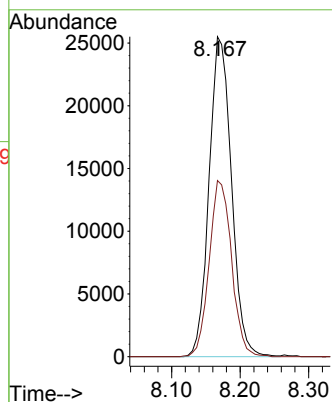
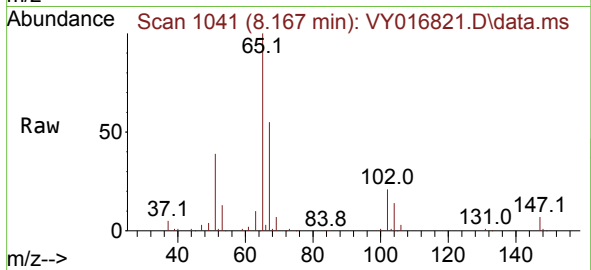




#33
 1,2-Dichloroethane-d4
 Concen: 63.524 ug/l
 RT: 8.167 min Scan# 1103
 Delta R.T. 0.012 min
 Lab File: VY016821.D
 Acq: 22 Dec 2023 20:17

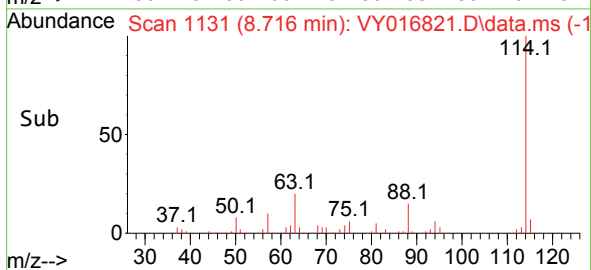
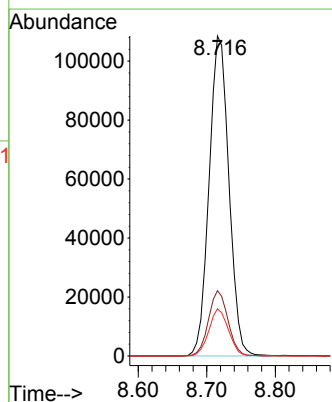
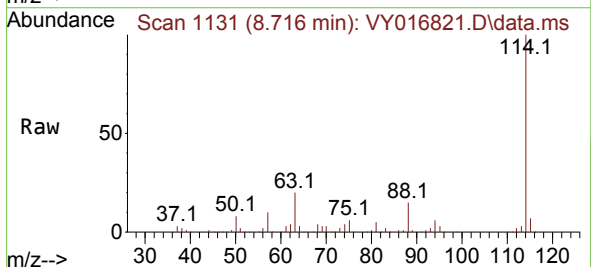
Instrument :
 MSVOA_Y
 ClientSampleId :

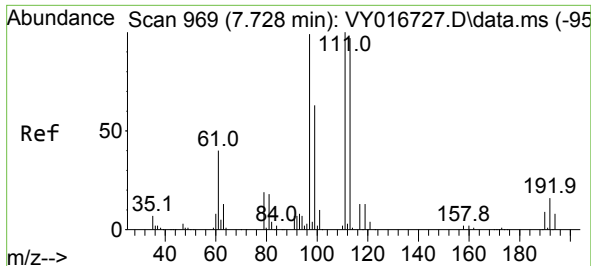
Tgt Ion: 65 Resp: 57818
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.716 min Scan# 1131
 Delta R.T. 0.013 min
 Lab File: VY016821.D
 Acq: 22 Dec 2023 20:17

Tgt Ion:114 Resp: 217755
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 37.4
 88 14.8 0.0 29.0

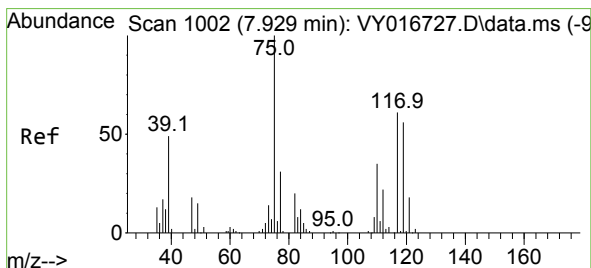
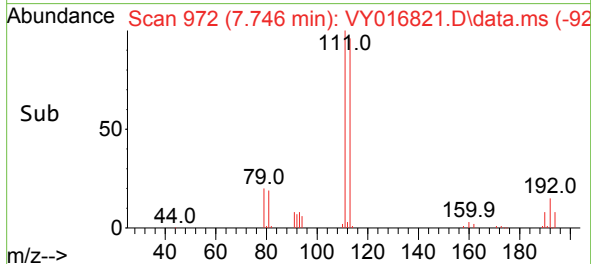
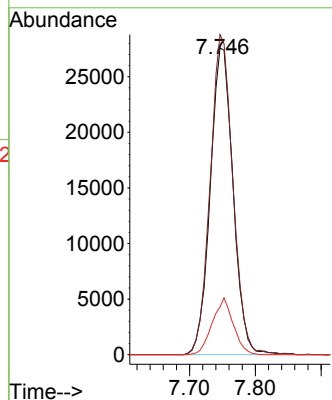
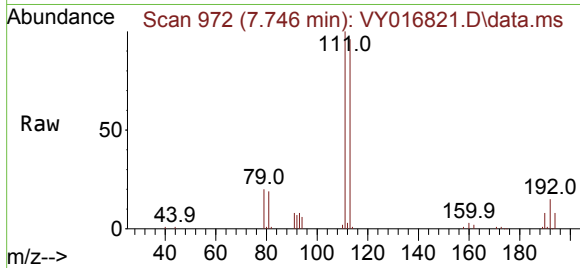




#35
Dibromofluoromethane
Concen: 53.463 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016821.D
Acq: 22 Dec 2023 20:17

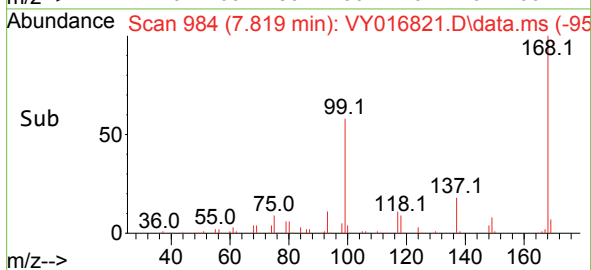
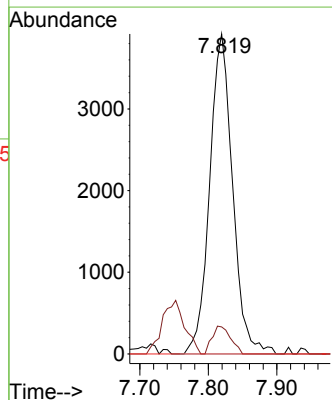
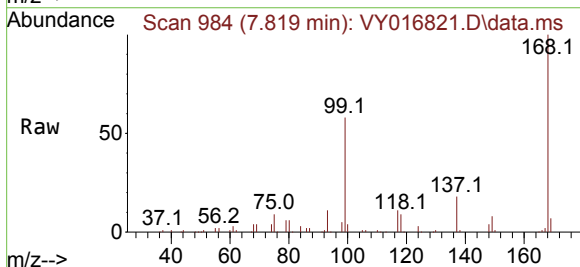
Instrument :
MSVOA_Y
ClientSampleId :

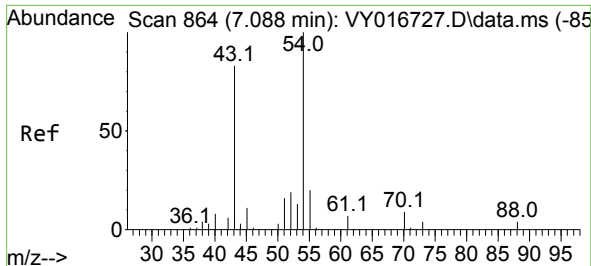
Tgt Ion:113 Resp: 66687
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.6
192 17.0 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.560 ug/l
RT: 7.819 min Scan# 984
Delta R.T. -0.110 min
Lab File: VY016821.D
Acq: 22 Dec 2023 20:17

Tgt Ion: 75 Resp: 9119
Ion Ratio Lower Upper
75 100
110 7.0 17.4 52.3#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 11.274 ug/l

RT: 7.021 min Scan# 81

Delta R.T. -0.067 min

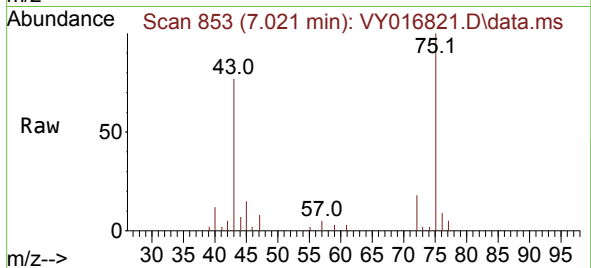
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Acq: 22 Dec 2023 20:17

Instrument :

MSVOA_Y

ClientSampleId :



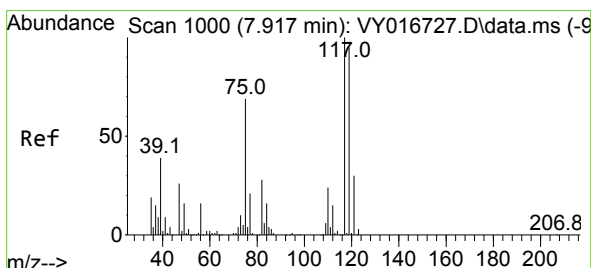
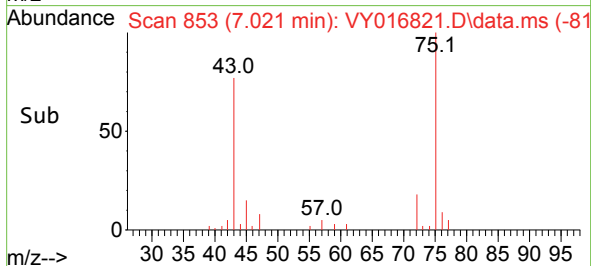
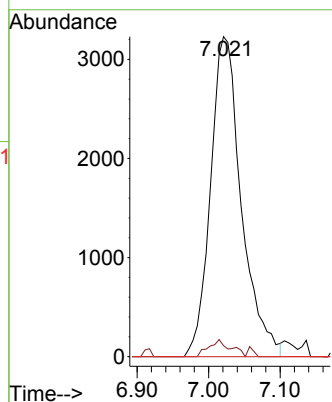
Tgt Ion: 43 Resp: 9663

Ion Ratio Lower Upper

43 100

61 3.7 11.0 16.6#

70 0.0 8.1 12.1#



#38

Carbon Tetrachloride

Concen: 5.185 ug/l

RT: 7.819 min Scan# 984

Delta R.T. -0.097 min

Lab File: VY016821.D

Acq: 22 Dec 2023 20:17

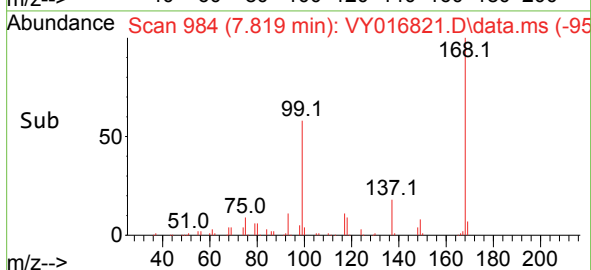
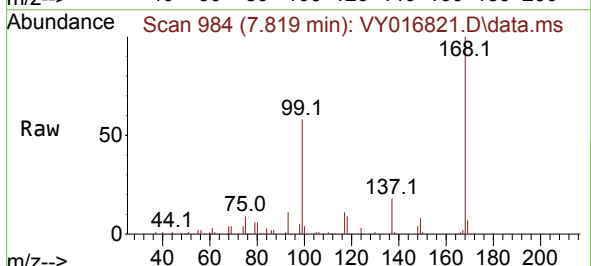
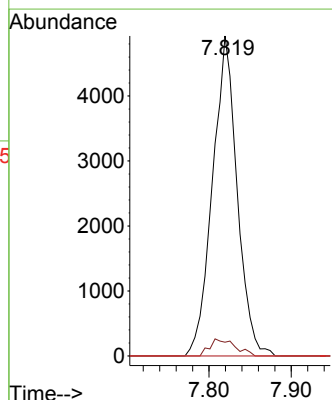
Tgt Ion: 117 Resp: 10260

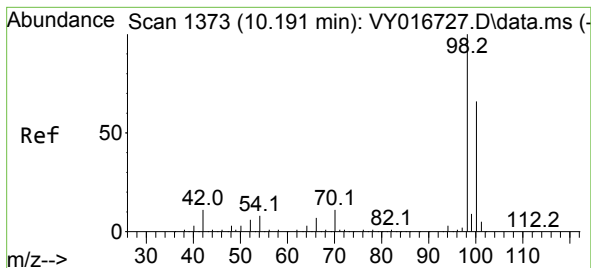
Ion Ratio Lower Upper

117 100

119 4.3 76.0 114.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 54.289 ug/l

RT: 10.203 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016821.D

Acq: 22 Dec 2023 20:17

Instrument :

MSVOA_Y

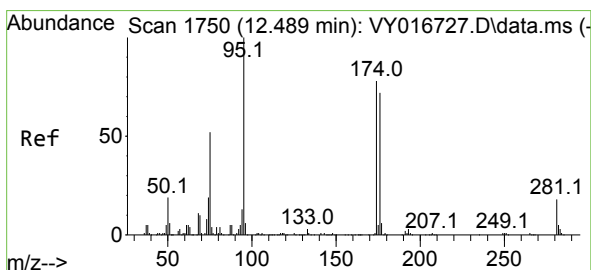
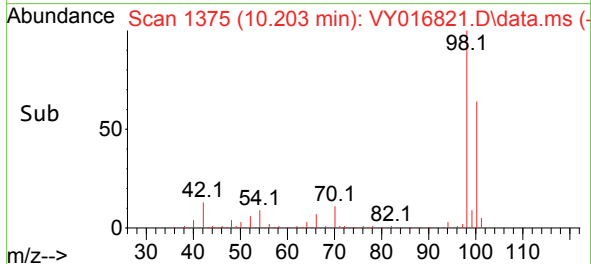
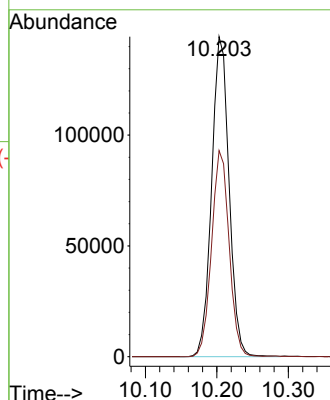
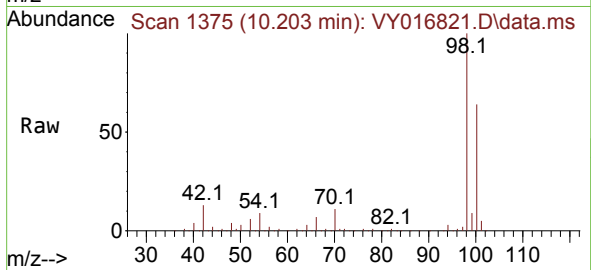
ClientSampleId :

Tgt Ion: 98 Resp: 244114

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 48.039 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY016821.D

Acq: 22 Dec 2023 20:17

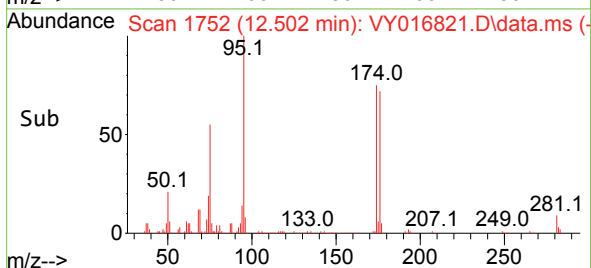
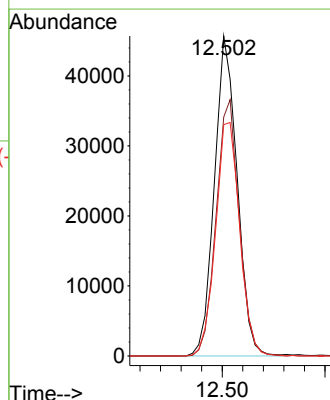
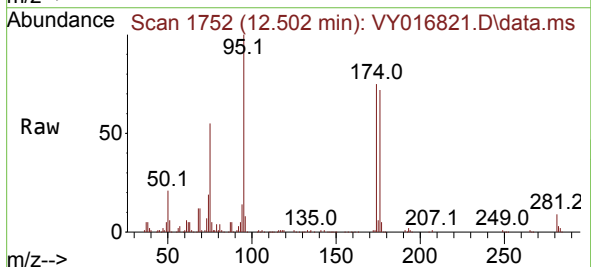
Tgt Ion: 95 Resp: 70081

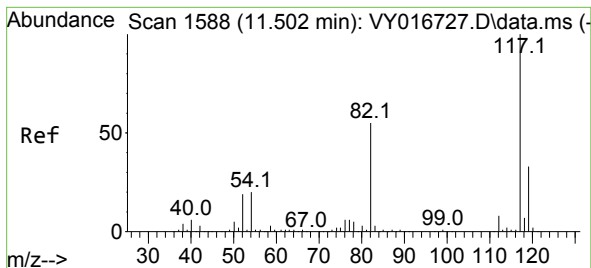
Ion Ratio Lower Upper

95 100

174 81.4 0.0 160.0

176 77.6 0.0 151.8

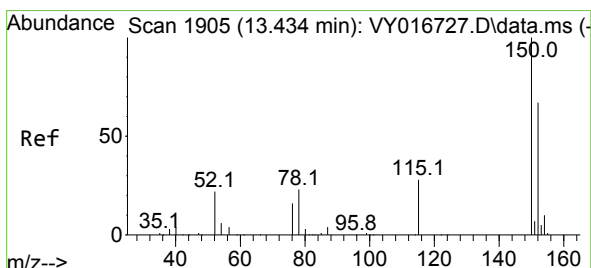
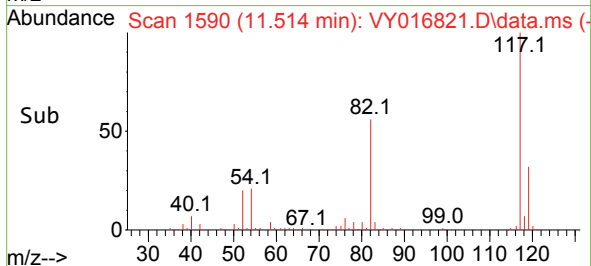
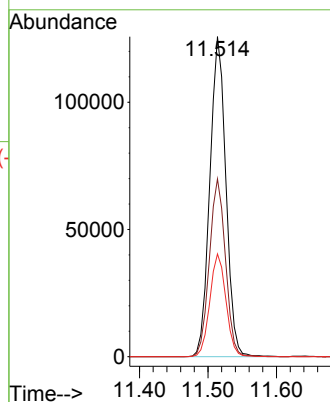
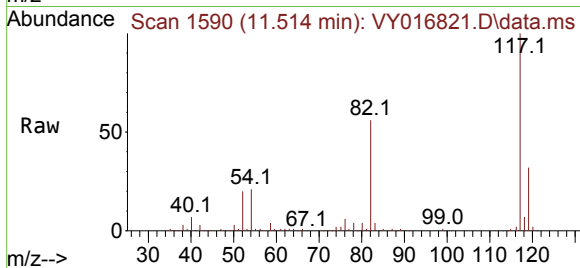




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016821.D
Acq: 22 Dec 2023 20:17

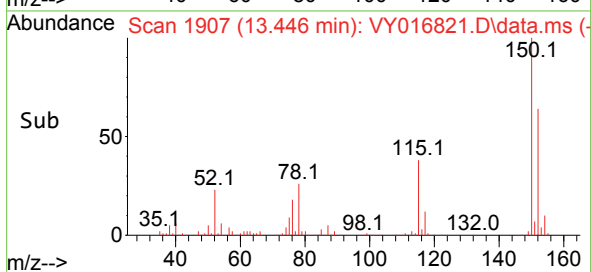
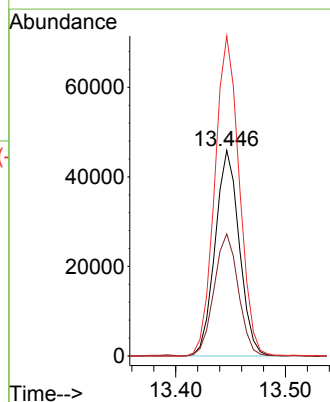
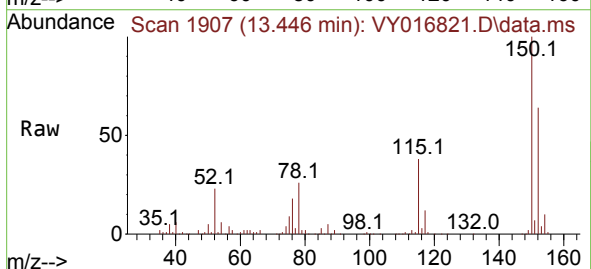
Instrument :
MSVOA_Y
ClientSampleId :

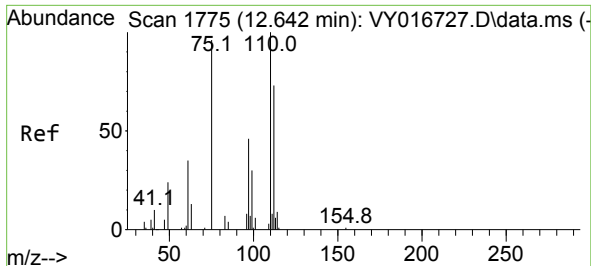
Tgt Ion:117 Resp: 204815
Ion Ratio Lower Upper
117 100
82 55.6 43.8 65.8
119 32.1 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.012 min
Lab File: VY016821.D
Acq: 22 Dec 2023 20:17

Tgt Ion:152 Resp: 70207
Ion Ratio Lower Upper
152 100
115 59.8 30.0 90.0
150 158.7 0.0 344.6

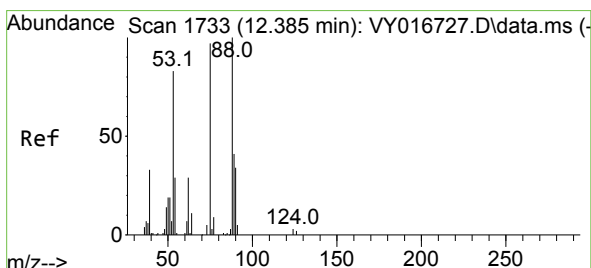
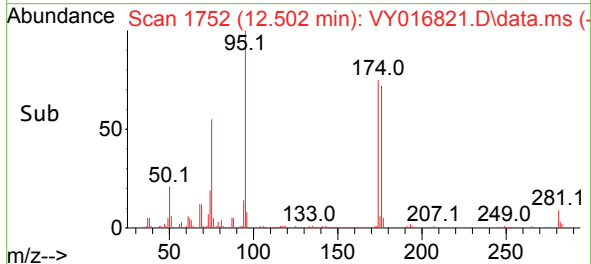
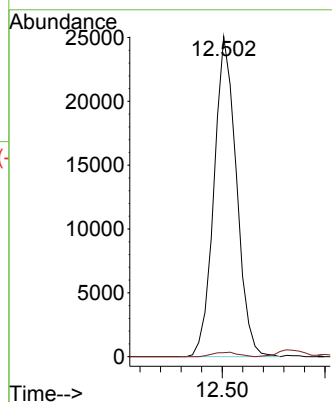
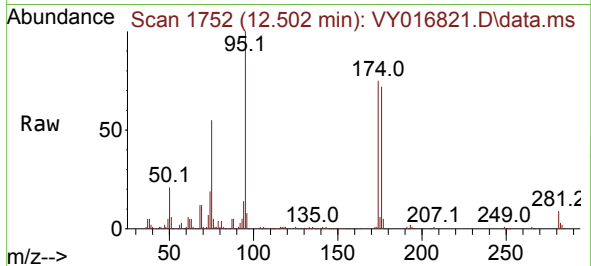




#76
1,2,3-Trichloropropane
Concen: 48.907 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. -0.140 min
Lab File: VY016821.D
Acq: 22 Dec 2023 20:17

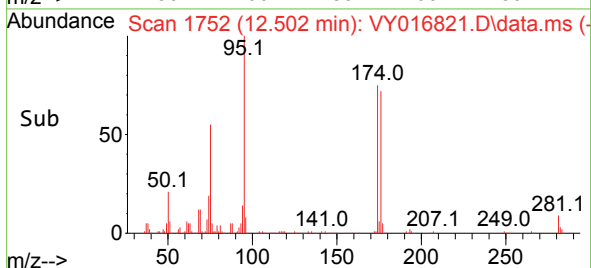
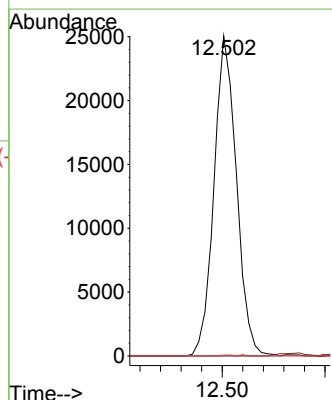
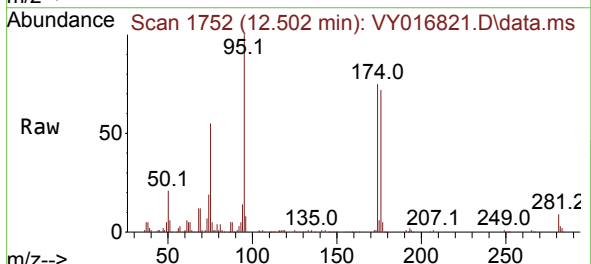
Instrument :
MSVOA_Y
ClientSampleId :

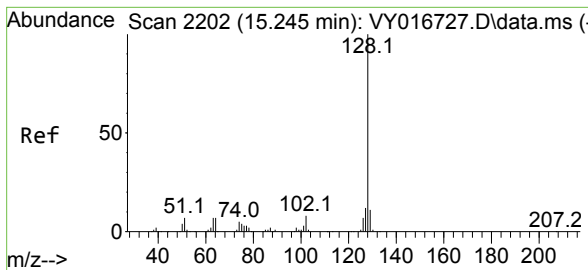
Tgt Ion: 75 Resp: 37957
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.856 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016821.D
Acq: 22 Dec 2023 20:17

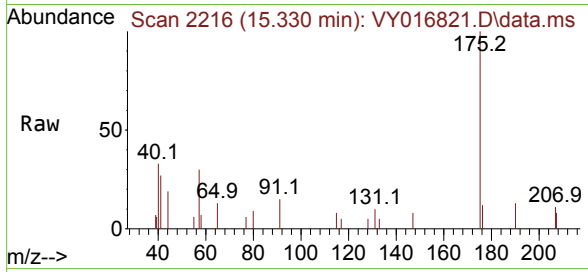
Tgt Ion: 75 Resp: 37957
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#





#95
 Naphthalene
 Concen: 3.602 ug/l
 RT: 15.330 min Scan# 21
 Delta R.T. 0.085 min
 Lab File: VY016821.D
 Acq: 22 Dec 2023 20:17

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	19
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.6	12.8#

