

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016813.D
 Acq On : 22 Dec 2023 17:10
 Operator : SY/MD
 Sample : 05877-15
 Misc : 3.37g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:02:03 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	7.813	168	100174	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	221207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	223638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.447	152	83855	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	64595	70.636	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	141.280%
35) Dibromofluoromethane	7.746	113	70459	55.605	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.220%
50) Toluene-d8	10.203	98	258304	56.548	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	113.100%
62) 4-Bromofluorobenzene	12.502	95	82118	55.412	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.820%

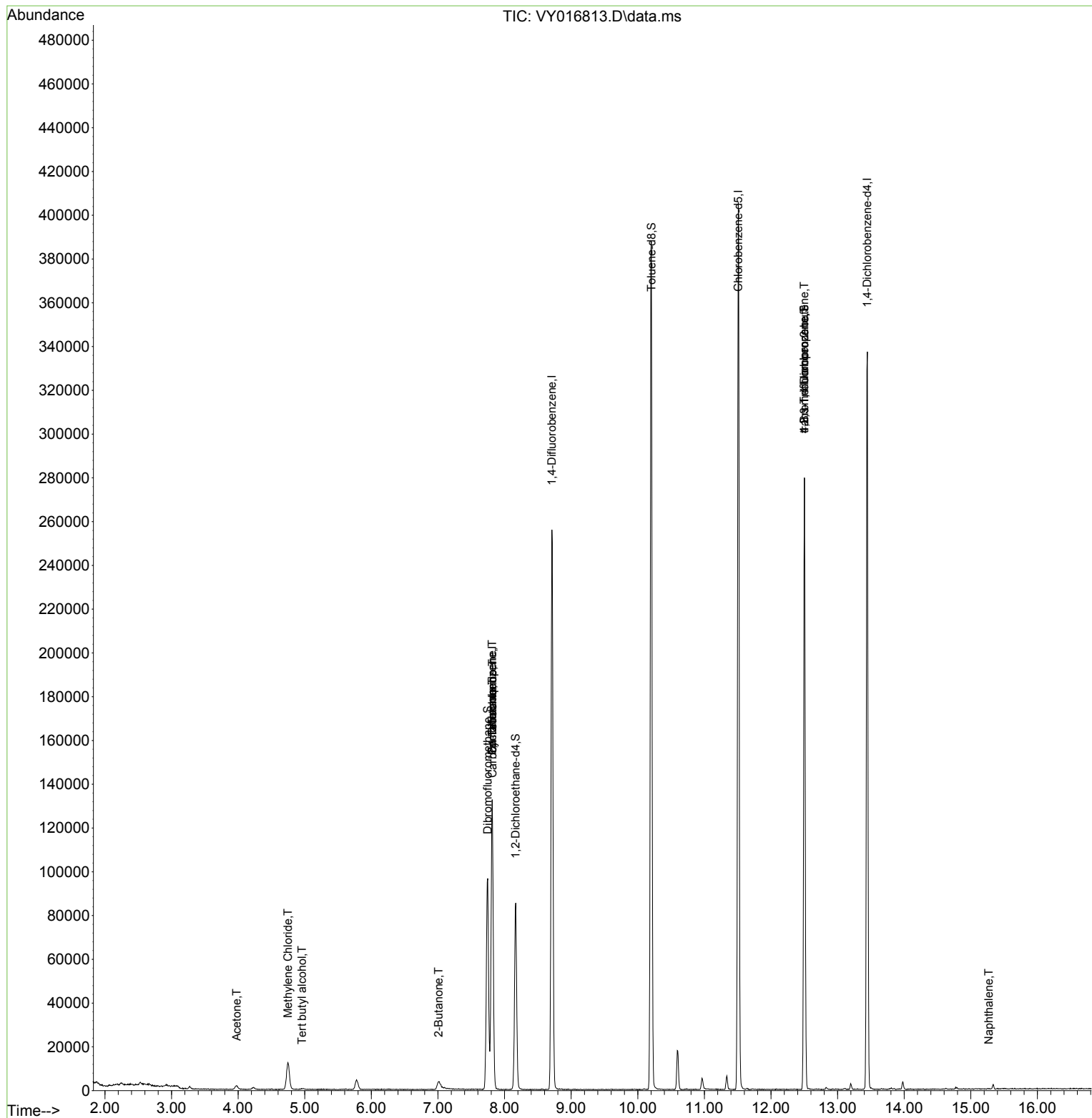
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	380	5.068	ug/l #	75
16) Acetone	3.979	43	3555	14.376	ug/l	91
20) Methylene Chloride	4.747	84	9811	4.999	ug/l	91
25) 2-Butanone	7.009	43	831	2.441	ug/l	92
31) Cyclohexane	7.813	56	2295	1.310	ug/l #	1
36) 1,1-Dichloropropene	7.813	75	8895	4.379	ug/l #	49
38) Carbon Tetrachloride	7.819	117	10135	5.042	ug/l #	17
76) 1,2,3-Trichloropropane	12.502	75	44677	48.197	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.502	75	44677	113.187	ug/l #	12
95) Naphthalene	15.269	128	147	3.644	ug/l #	69

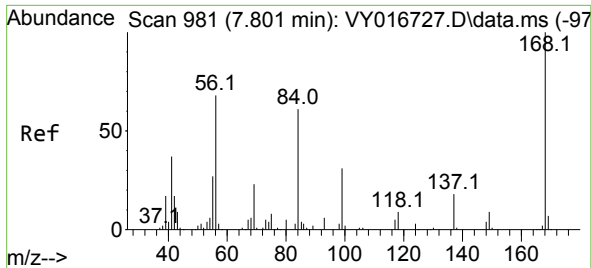
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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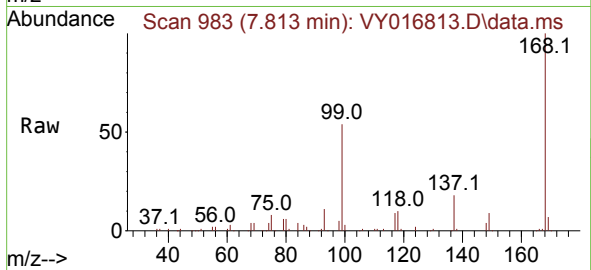
Quant Time: Dec 22 23:02:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
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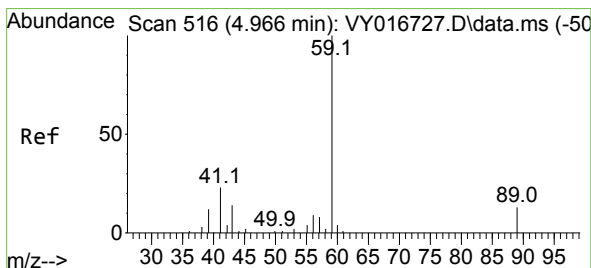
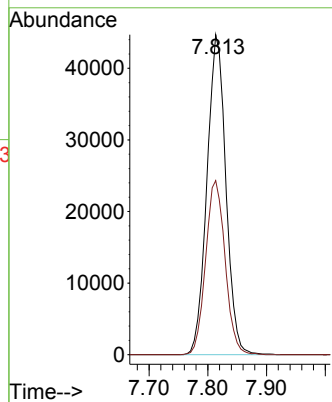
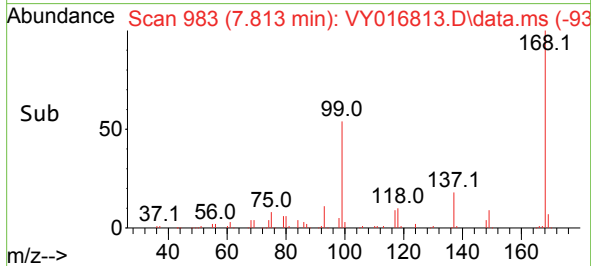


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016813.D
Acq: 22 Dec 2023 17:10

Instrument :
MSVOA_Y
ClientSampleId :

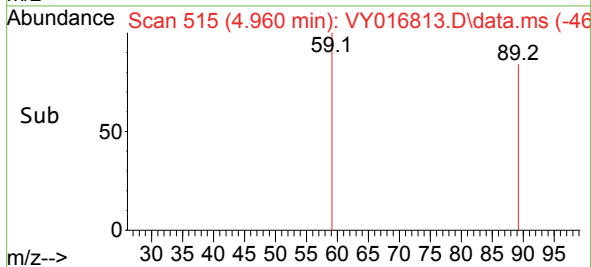
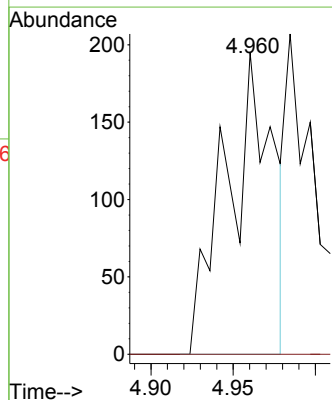
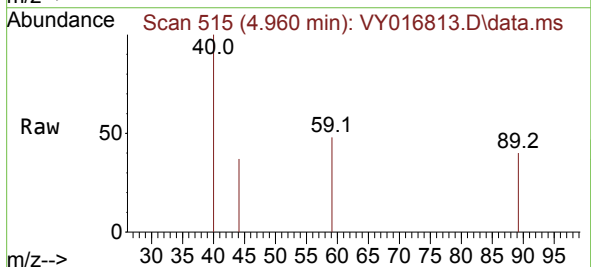


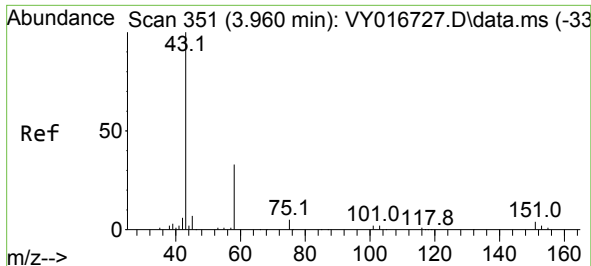
Tgt Ion:168 Resp: 100174
Ion Ratio Lower Upper
168 100
99 54.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 5.068 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY016813.D
Acq: 22 Dec 2023 17:10

Tgt Ion: 59 Resp: 380
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

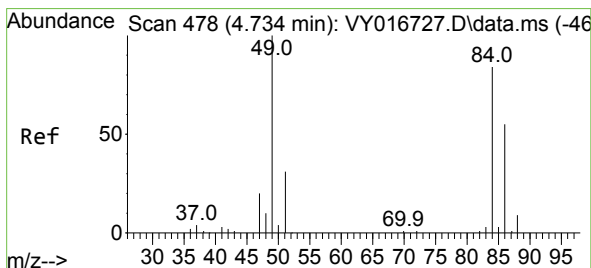
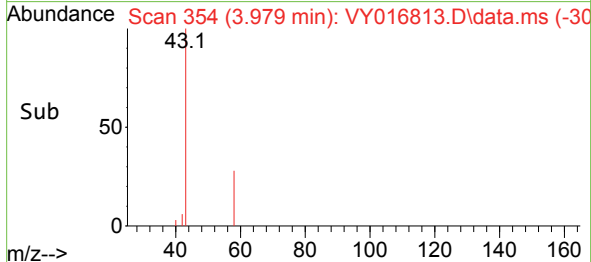
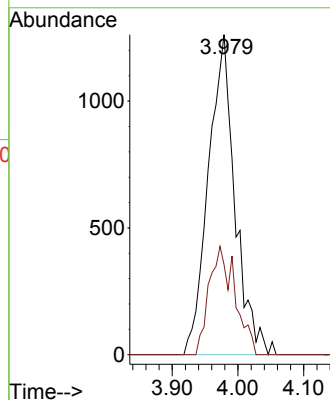
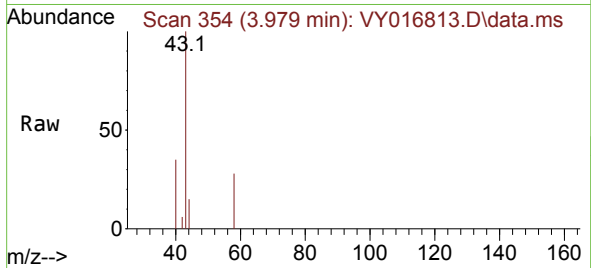




#16
Acetone
Concen: 14.376 ug/l
RT: 3.979 min Scan# 351
Delta R.T. 0.019 min
Lab File: VY016813.D
Acq: 22 Dec 2023 17:10

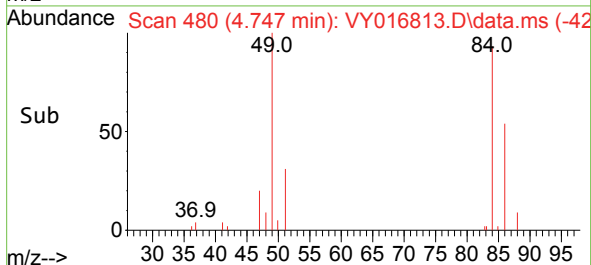
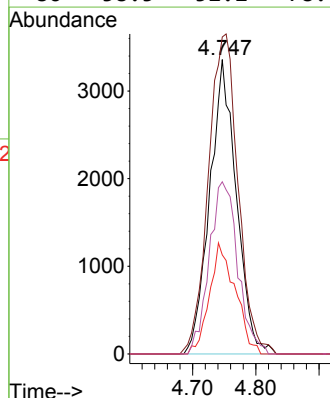
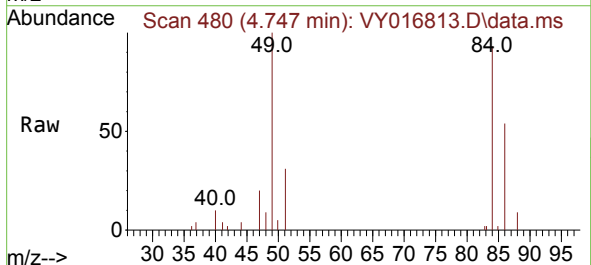
Instrument :
MSVOA_Y
ClientSampleId :

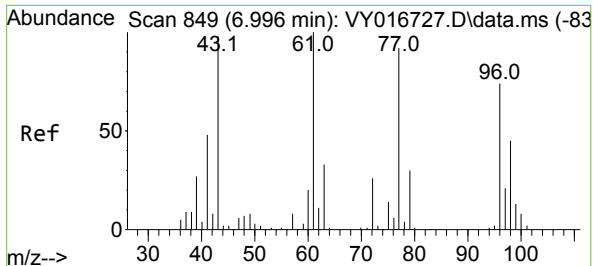
Tgt Ion: 43 Resp: 3555
Ion Ratio Lower Upper
43 100
58 28.1 26.6 39.8



#20
Methylene Chloride
Concen: 4.999 ug/l
RT: 4.747 min Scan# 480
Delta R.T. 0.013 min
Lab File: VY016813.D
Acq: 22 Dec 2023 17:10

Tgt Ion: 84 Resp: 9811
Ion Ratio Lower Upper
84 100
49 107.7 95.2 142.8
51 33.6 29.9 44.9
86 58.5 52.2 78.4





#25

2-Butanone

Concen: 2.441 ug/l

RT: 7.009 min Scan# 81

Delta R.T. 0.013 min

Lab File: VY016813.D

Acq: 22 Dec 2023 17:10

Instrument :

MSVOA_Y

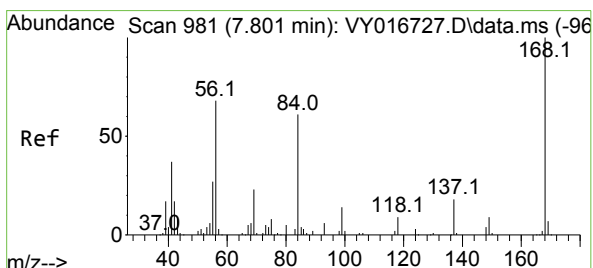
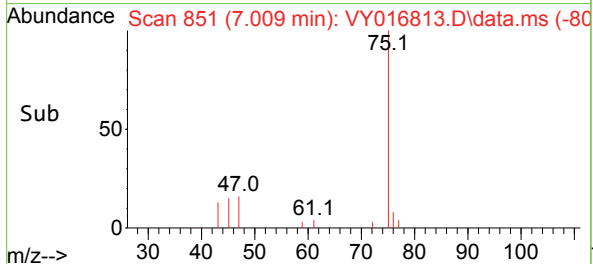
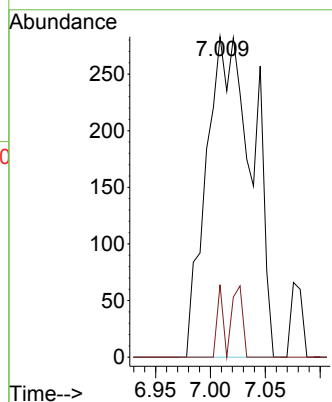
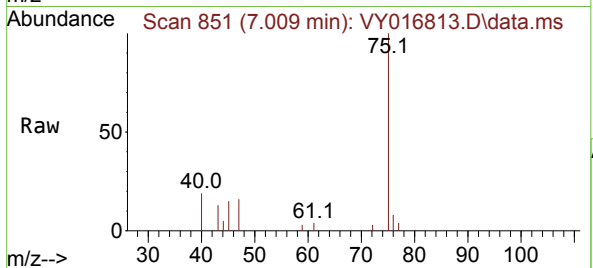
ClientSampleId :

Tgt Ion: 43 Resp: 831

Ion Ratio Lower Upper

43 100

72 22.6 21.4 32.2



#31

Cyclohexane

Concen: 1.310 ug/l

RT: 7.813 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY016813.D

Acq: 22 Dec 2023 17:10

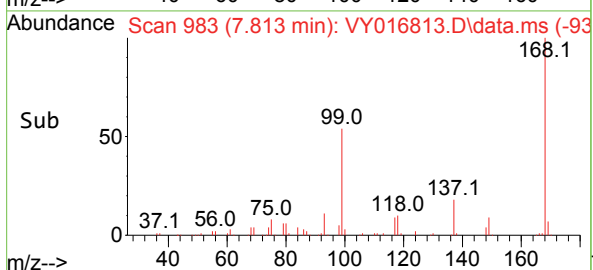
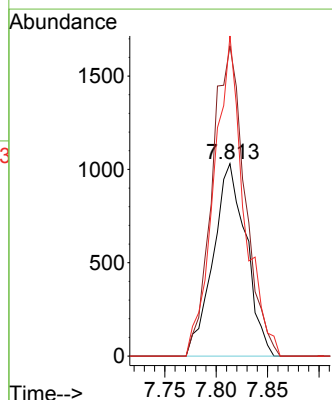
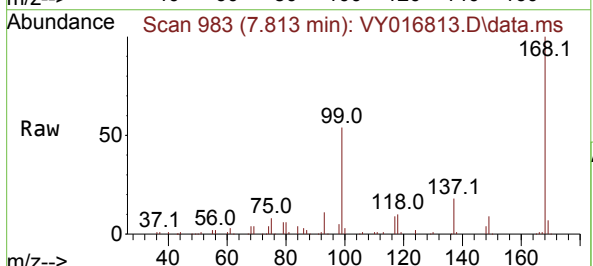
Tgt Ion: 56 Resp: 2295

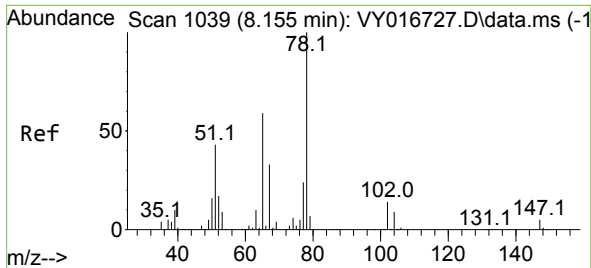
Ion Ratio Lower Upper

56 100

69 161.1 27.0 40.6#

84 166.3 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 70.636 ug/l

RT: 8.167 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY016813.D

Acq: 22 Dec 2023 17:10

Instrument :

MSVOA_Y

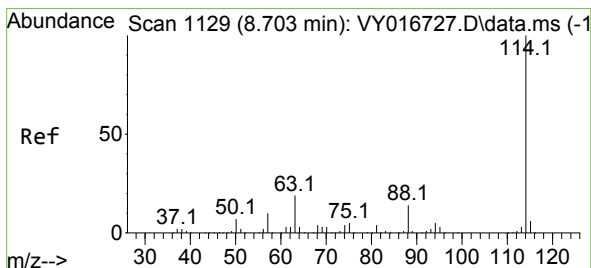
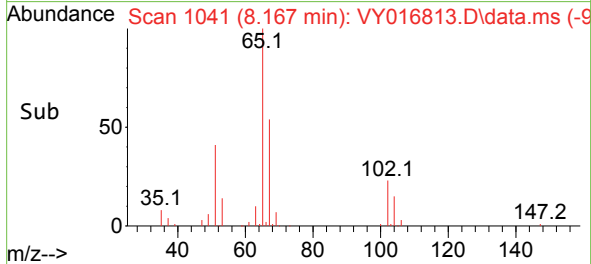
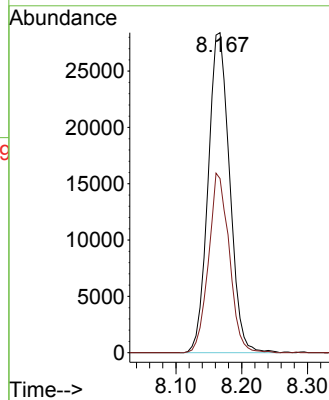
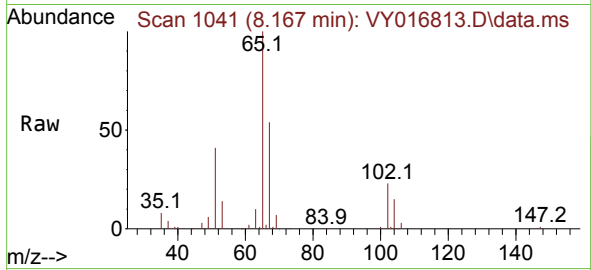
ClientSampleId :

Tgt Ion: 65 Resp: 64595

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1130

Delta R.T. 0.007 min

Lab File: VY016813.D

Acq: 22 Dec 2023 17:10

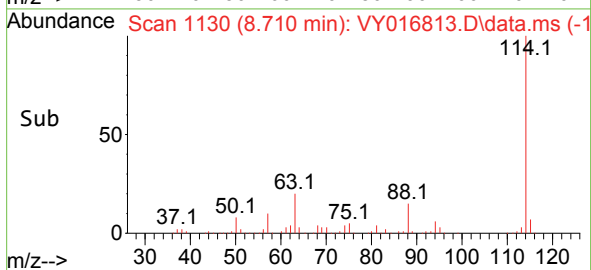
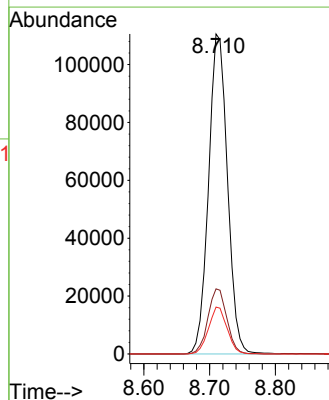
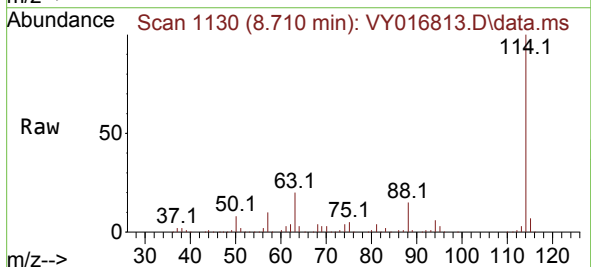
Tgt Ion: 114 Resp: 221207

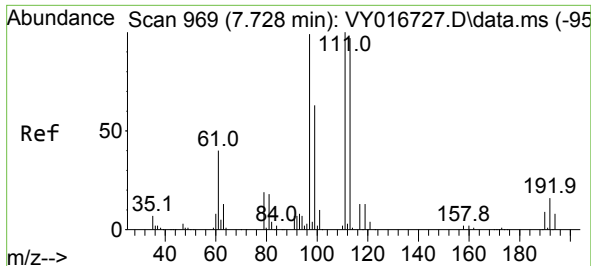
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

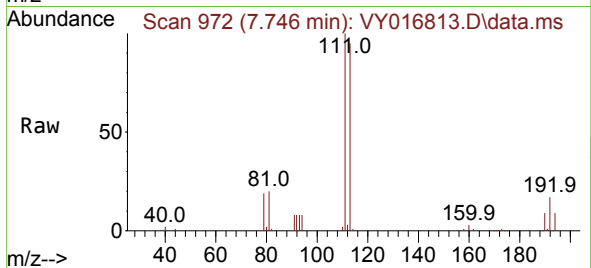
88 14.7 0.0 29.0



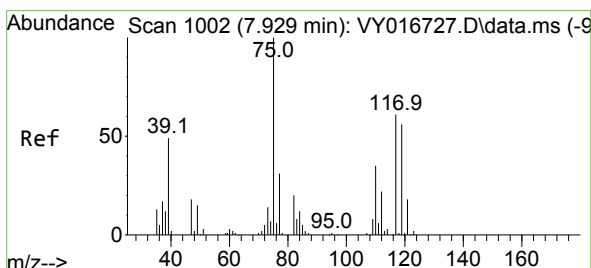
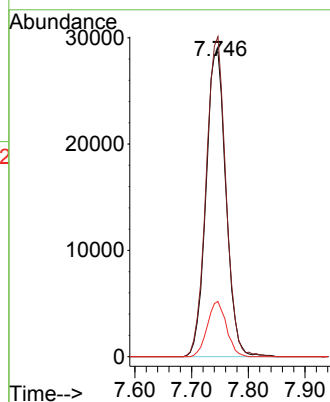
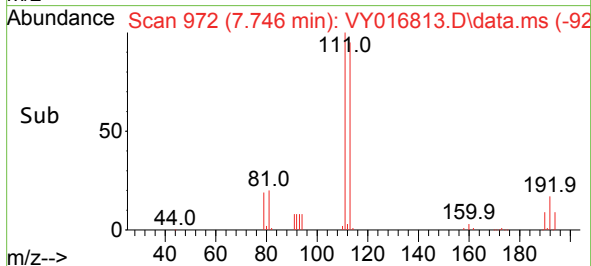


#35
Dibromofluoromethane
Concen: 55.605 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.019 min
Lab File: VY016813.D
Acq: 22 Dec 2023 17:10

Instrument :
MSVOA_Y
ClientSampleId :

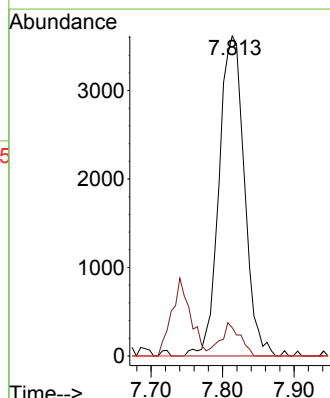
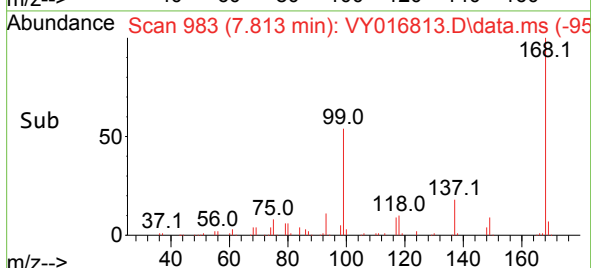
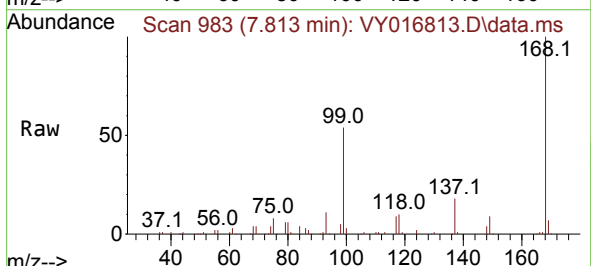


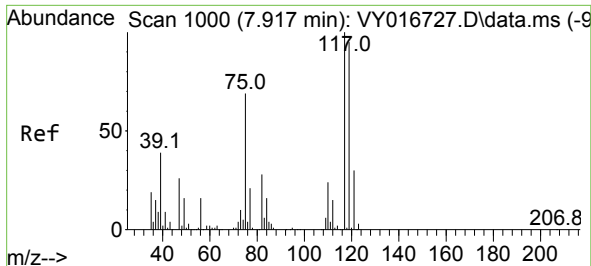
Tgt Ion:113 Resp: 70459
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.6
192 17.3 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.379 ug/l
RT: 7.813 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY016813.D
Acq: 22 Dec 2023 17:10

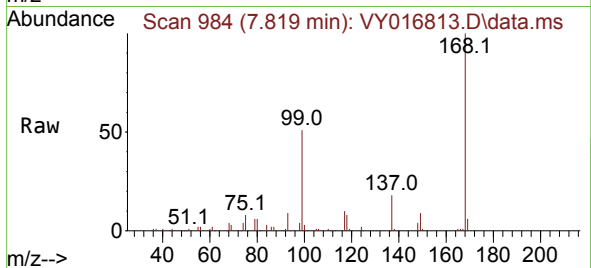
Tgt Ion: 75 Resp: 8895
Ion Ratio Lower Upper
75 100
110 8.0 17.4 52.3#
77 0.0 24.7 37.1#



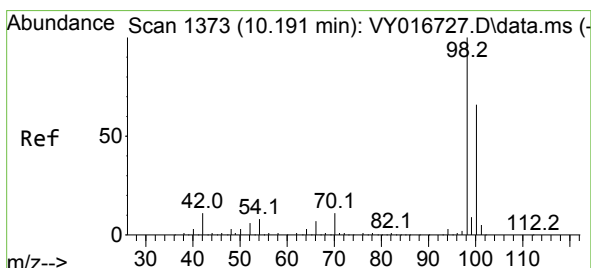
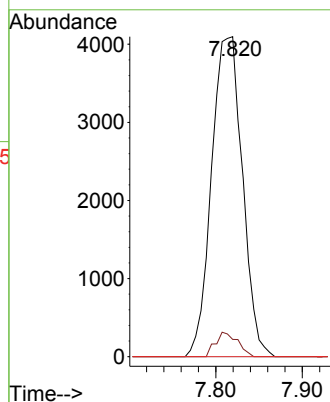
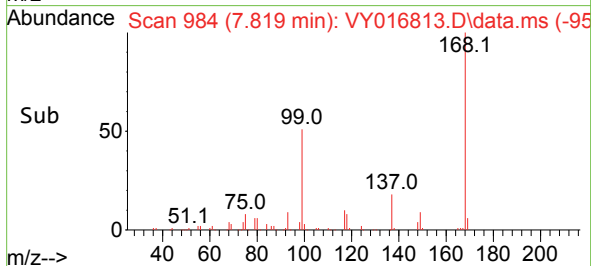


#38
Carbon Tetrachloride
Concen: 5.042 ug/l
RT: 7.819 min Scan# 984
Delta R.T. -0.097 min
Lab File: VY016813.D
Acq: 22 Dec 2023 17:10

Instrument :
MSVOA_Y
ClientSampleId :

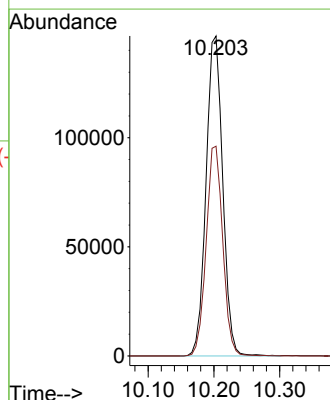
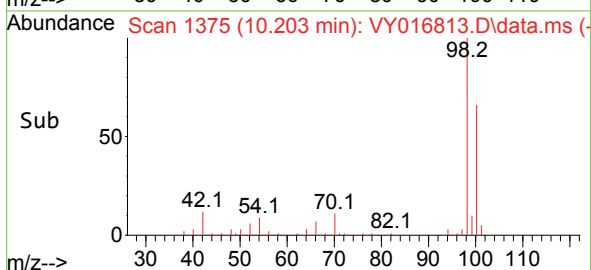
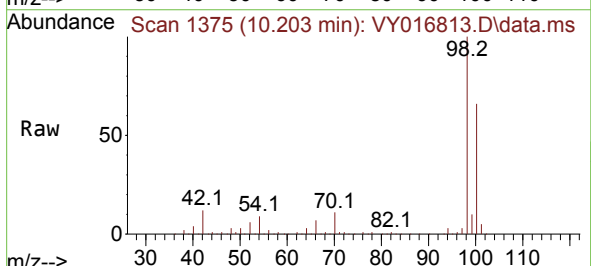


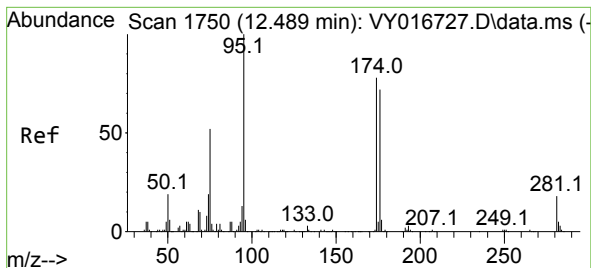
Tgt Ion:117 Resp: 10135
Ion Ratio Lower Upper
117 100
119 5.4 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 56.548 ug/l
RT: 10.203 min Scan# 1375
Delta R.T. 0.012 min
Lab File: VY016813.D
Acq: 22 Dec 2023 17:10

Tgt Ion: 98 Resp: 258304
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5

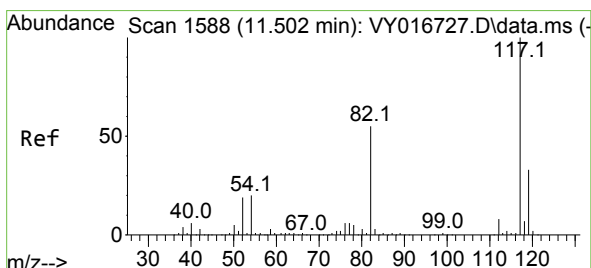
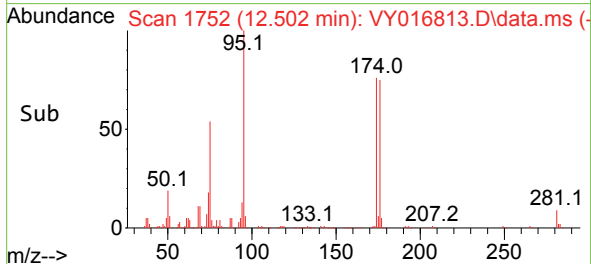
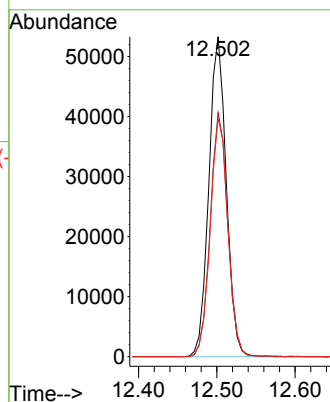
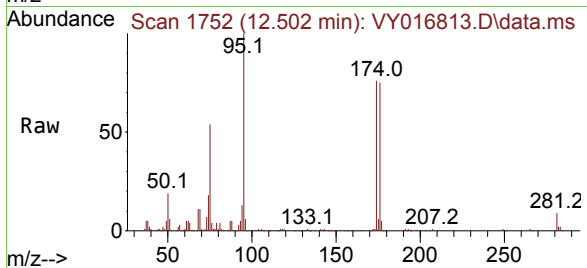




#62
4-Bromofluorobenzene
Concen: 55.412 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.012 min
Lab File: VY016813.D
Acq: 22 Dec 2023 17:10

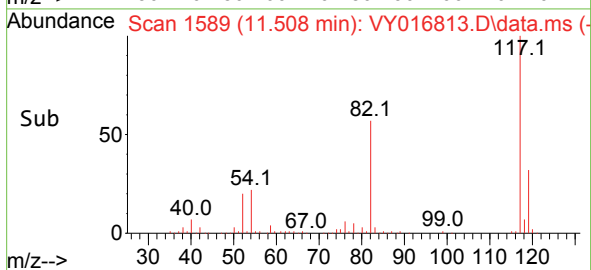
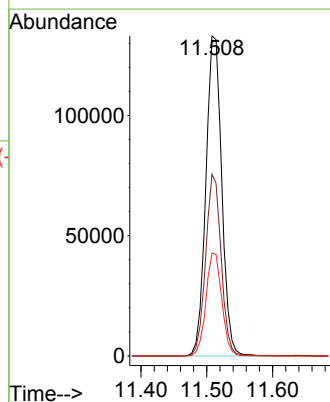
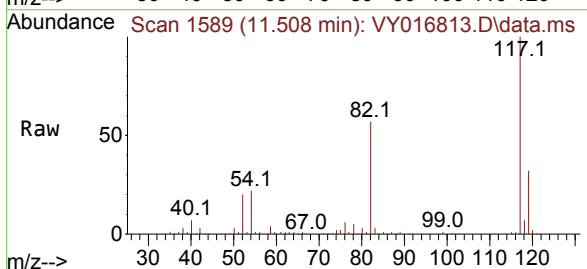
Instrument :
MSVOA_Y
ClientSampleId :

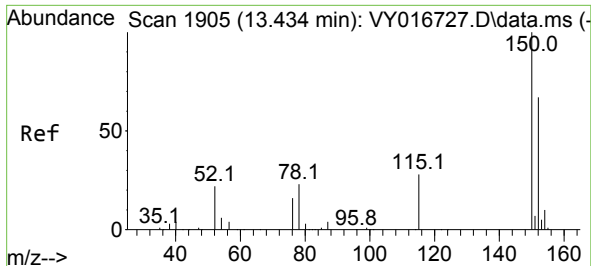
Tgt Ion: 95 Resp: 82118
Ion Ratio Lower Upper
95 100
174 76.9 0.0 160.0
176 75.1 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY016813.D
Acq: 22 Dec 2023 17:10

Tgt Ion: 117 Resp: 223638
Ion Ratio Lower Upper
117 100
82 56.8 43.8 65.8
119 32.2 26.5 39.7

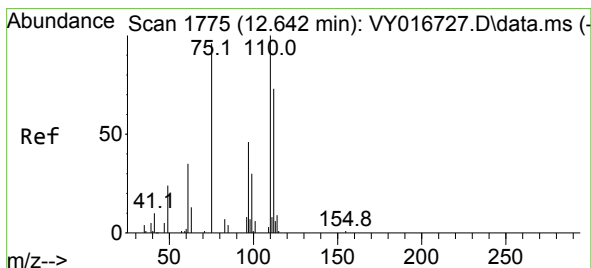
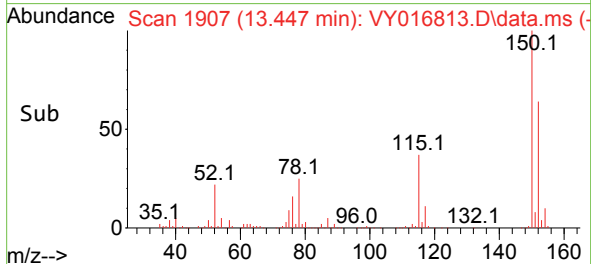
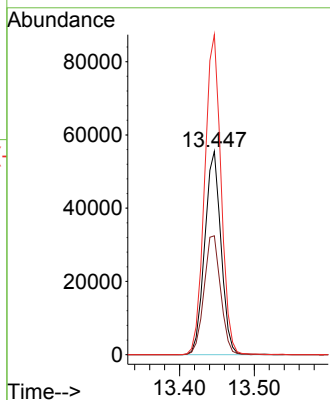
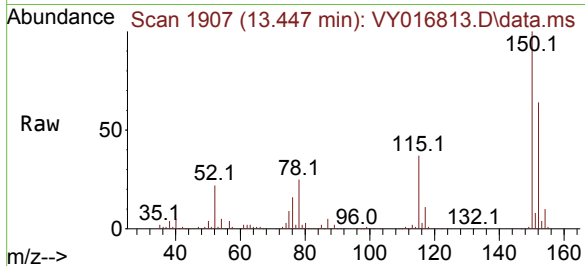




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.447 min Scan# 1905
 Delta R.T. 0.012 min
 Lab File: VY016813.D
 Acq: 22 Dec 2023 17:10

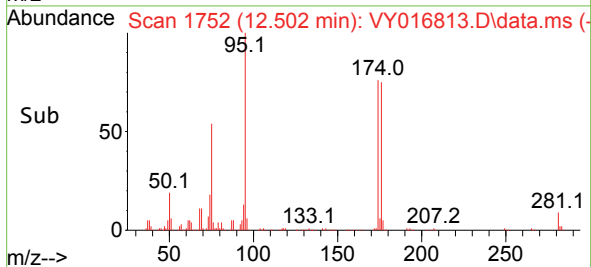
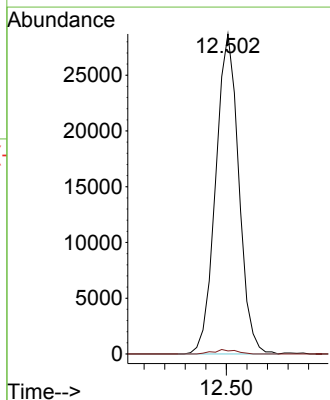
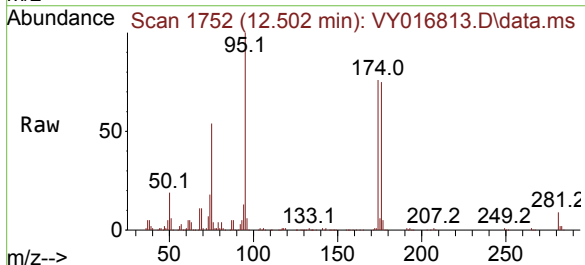
Instrument :
 MSVOA_Y
 ClientSampleId :

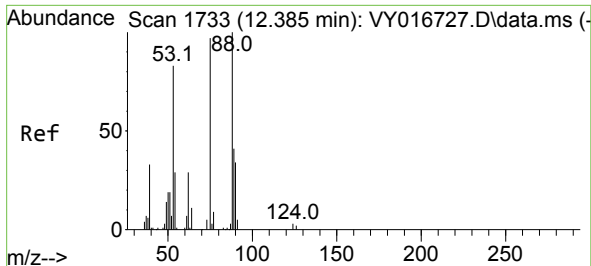
Tgt Ion:152 Resp: 83855
 Ion Ratio Lower Upper
 152 100
 115 59.7 30.0 90.0
 150 158.4 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 48.197 ug/l
 RT: 12.502 min Scan# 1752
 Delta R.T. -0.140 min
 Lab File: VY016813.D
 Acq: 22 Dec 2023 17:10

Tgt Ion: 75 Resp: 44677
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

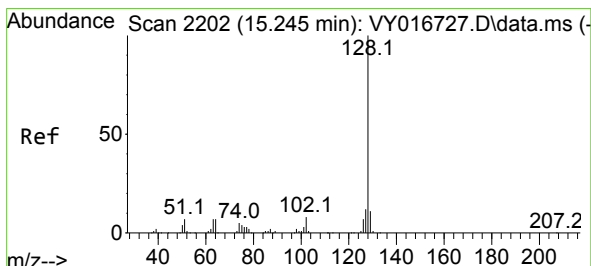
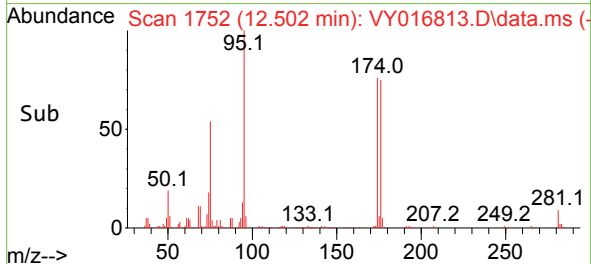
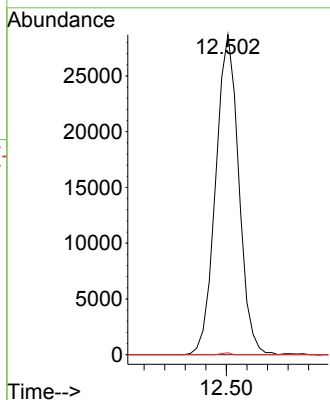
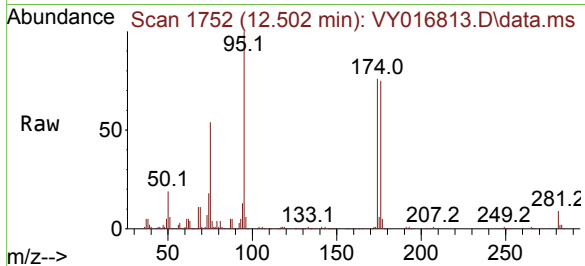




#81
trans-1,4-Dichloro-2-butene
Concen: 113.187 ug/l
RT: 12.502 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016813.D
Acq: 22 Dec 2023 17:10

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 44677
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.2 36.5 54.7#



#95
Naphthalene
Concen: 3.644 ug/l
RT: 15.269 min Scan# 2206
Delta R.T. 0.024 min
Lab File: VY016813.D
Acq: 22 Dec 2023 17:10

Tgt Ion:128 Resp: 147
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

