

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016818.D
 Acq On : 22 Dec 2023 19:07
 Operator : SY/MD
 Sample : 05879-14
 Misc : 3.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:04:02 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)

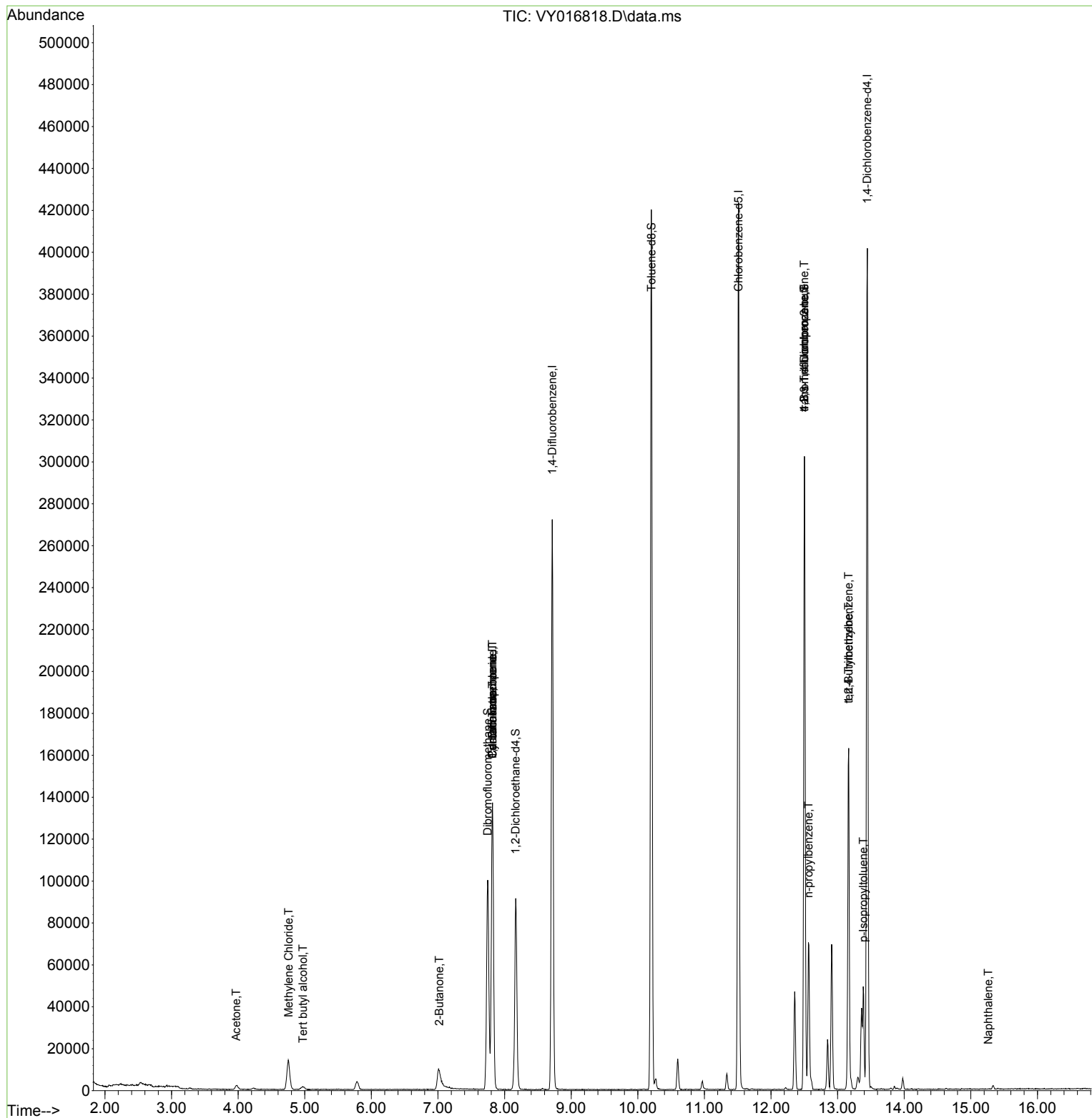
Internal Standards						
1) Pentafluorobenzene	7.819	168	104229	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	228441	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	232627	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	95612	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	68411	71.898	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.800%	
35) Dibromofluoromethane	7.746	113	73297	56.013	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.020%	
50) Toluene-d8	10.203	98	266234	56.438	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.880%	
62) 4-Bromofluorobenzene	12.501	95	89474	58.464	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 116.920%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	1954	25.047	ug/l #	75
16) Acetone	3.972	43	3806	14.792	ug/l	91
20) Methylene Chloride	4.759	84	10572	5.282	ug/l	98
25) 2-Butanone	7.021	43	841	2.374	ug/l #	48
31) Cyclohexane	7.819	56	2365	1.297	ug/l #	1
36) 1,1-Dichloropropene	7.819	75	9632	4.591	ug/l #	49
38) Carbon Tetrachloride	7.819	117	10584	5.099	ug/l #	18
76) 1,2,3-Trichloropropane	12.501	75	48170	45.575	ug/l #	100
78) n-propylbenzene	12.562	91	9225	1.023	ug/l #	55
81) trans-1,4-Dichloro-2-b...	12.501	75	48170	107.030	ug/l #	12
83) tert-Butylbenzene	13.166	119	8154	1.590	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.166	105	6783	1.167	ug/l #	56
86) p-Isopropyltoluene	13.385	119	24997	3.952	ug/l #	88
95) Naphthalene	15.263	128	50	3.609	ug/l #	69

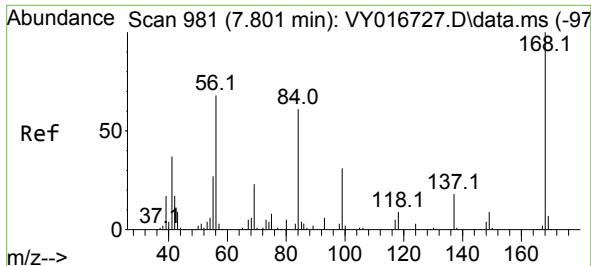
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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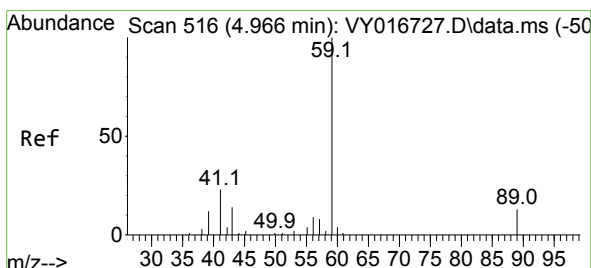
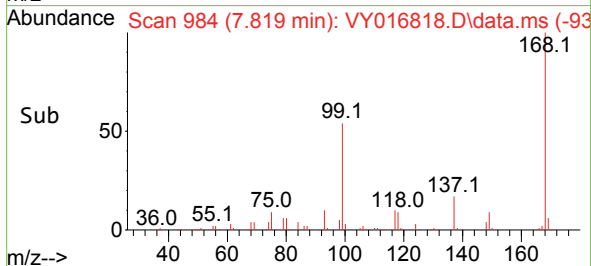
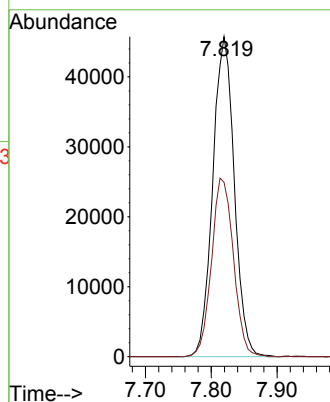
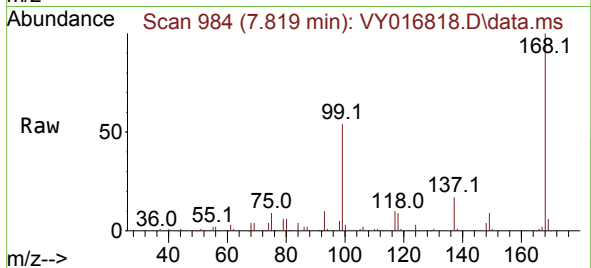




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016818.D
Acq: 22 Dec 2023 19:07

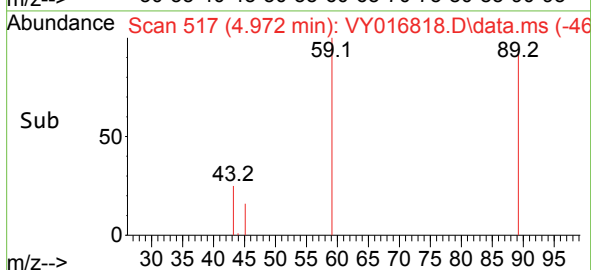
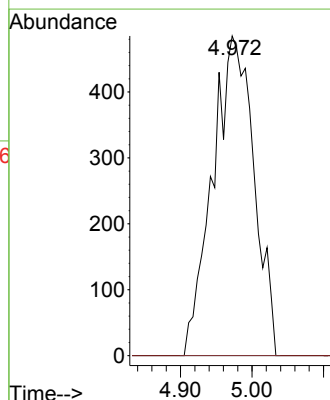
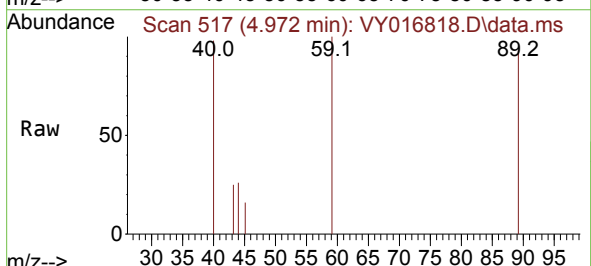
Instrument :
MSVOA_Y
ClientSampleId :

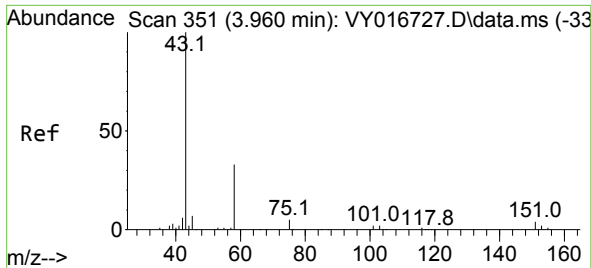
Tgt Ion:168 Resp: 104229
Ion Ratio Lower Upper
168 100
99 54.5 44.2 66.4



#11
Tert butyl alcohol
Concen: 25.047 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016818.D
Acq: 22 Dec 2023 19:07

Tgt Ion: 59 Resp: 1954
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

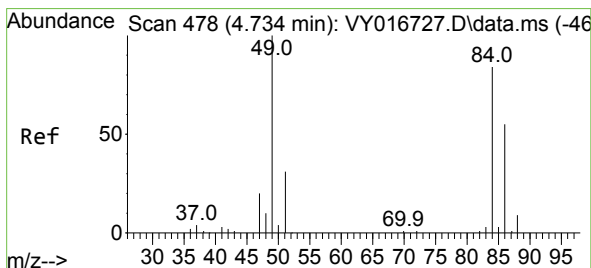
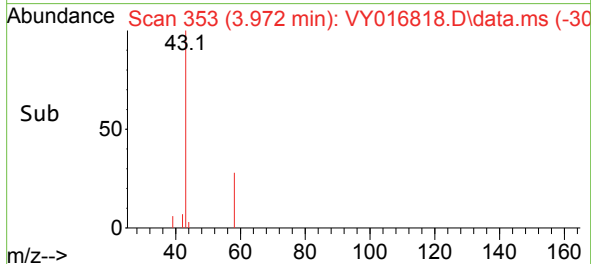
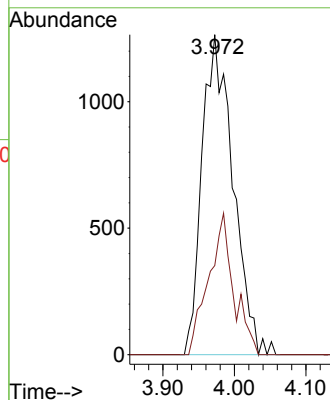
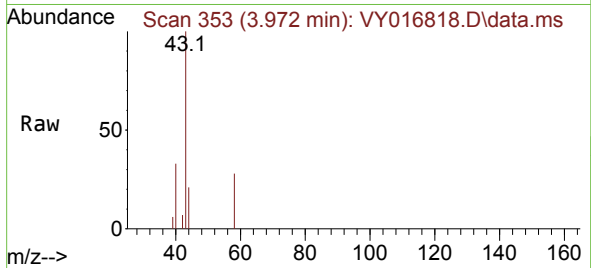




#16
Acetone
Concen: 14.792 ug/l
RT: 3.972 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY016818.D
Acq: 22 Dec 2023 19:07

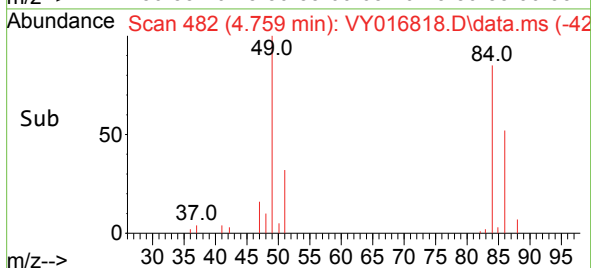
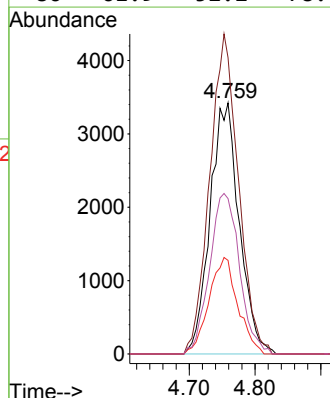
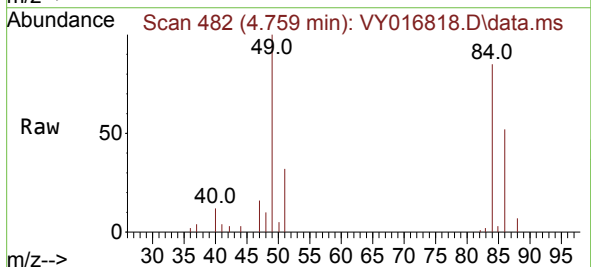
Instrument :
MSVOA_Y
ClientSampleId :

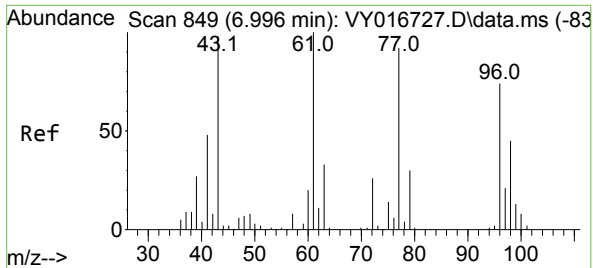
Tgt Ion: 43 Resp: 3806
Ion Ratio Lower Upper
43 100
58 27.8 26.6 39.8



#20
Methylene Chloride
Concen: 5.282 ug/l
RT: 4.759 min Scan# 482
Delta R.T. 0.025 min
Lab File: VY016818.D
Acq: 22 Dec 2023 19:07

Tgt Ion: 84 Resp: 10572
Ion Ratio Lower Upper
84 100
49 118.0 95.2 142.8
51 37.3 29.9 44.9
86 61.9 52.2 78.4

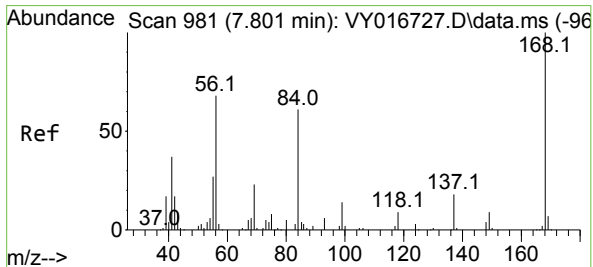
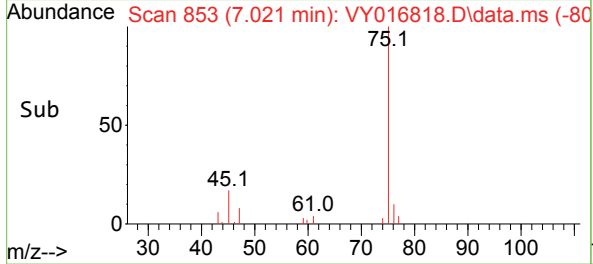
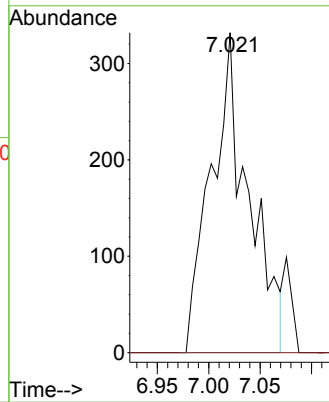
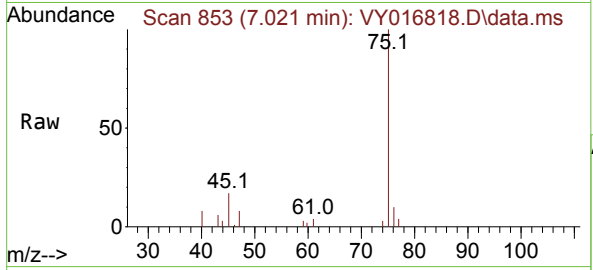




#25
2-Butanone
Concen: 2.374 ug/l
RT: 7.021 min Scan# 841
Delta R.T. 0.025 min
Lab File: VY016818.D
Acq: 22 Dec 2023 19:07

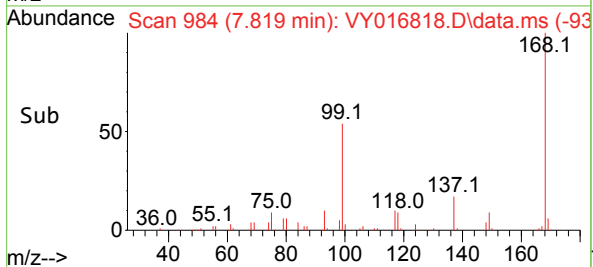
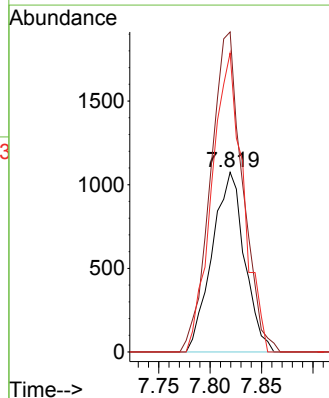
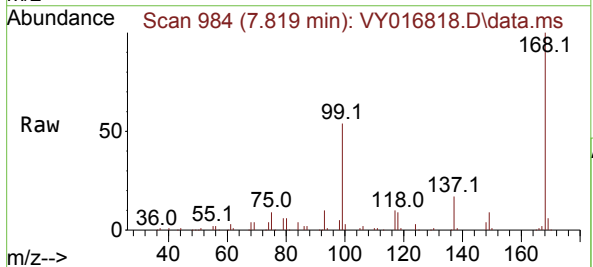
Instrument :
MSVOA_Y
ClientSampleId :

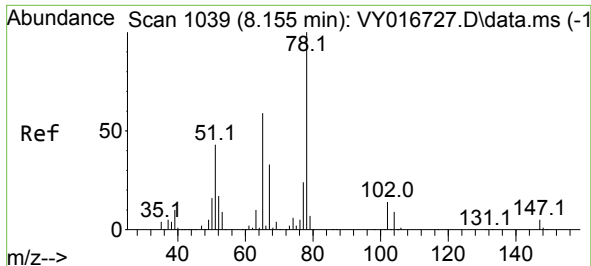
Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 1.297 ug/l
RT: 7.819 min Scan# 984
Delta R.T. 0.018 min
Lab File: VY016818.D
Acq: 22 Dec 2023 19:07

Tgt Ion: 56 Resp: 2365
Ion Ratio Lower Upper
56 100
69 178.1 27.0 40.6#
84 166.5 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 71.898 ug/l

RT: 8.167 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY016818.D

Acq: 22 Dec 2023 19:07

Instrument :

MSVOA_Y

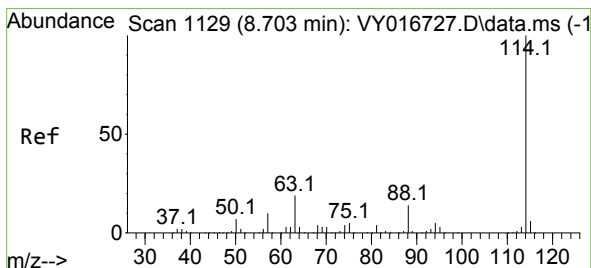
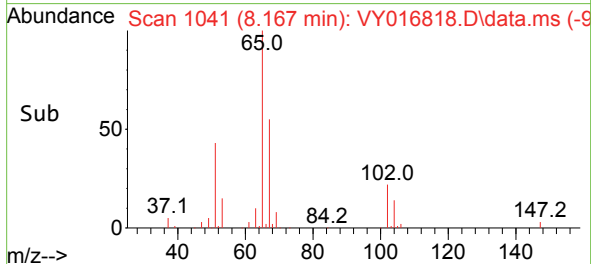
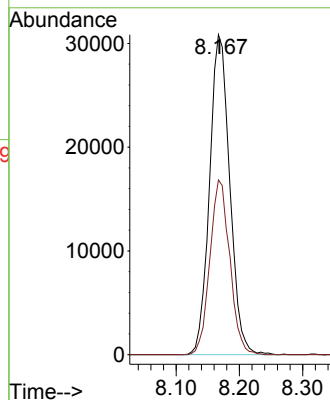
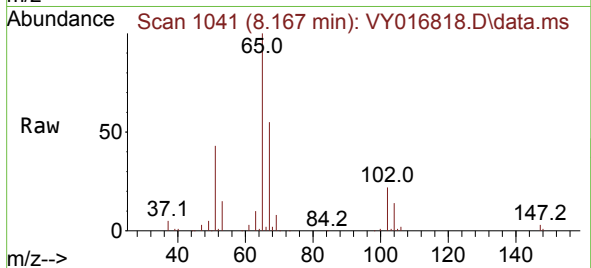
ClientSampleId :

Tgt Ion: 65 Resp: 68411

Ion Ratio Lower Upper

65 100

67 53.7 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: VY016818.D

Acq: 22 Dec 2023 19:07

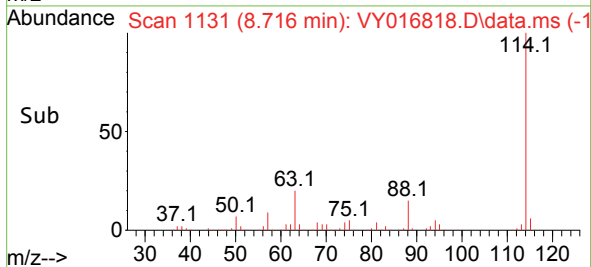
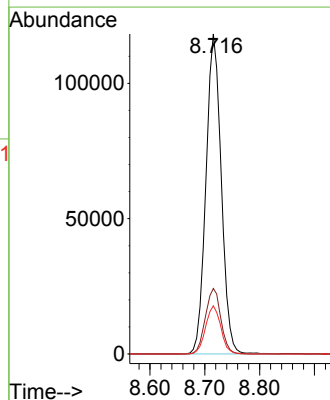
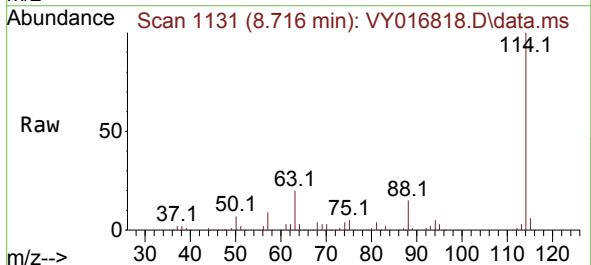
Tgt Ion:114 Resp: 228441

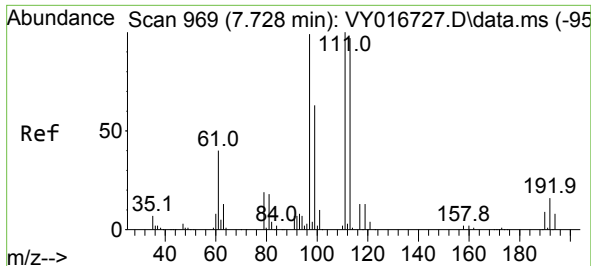
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

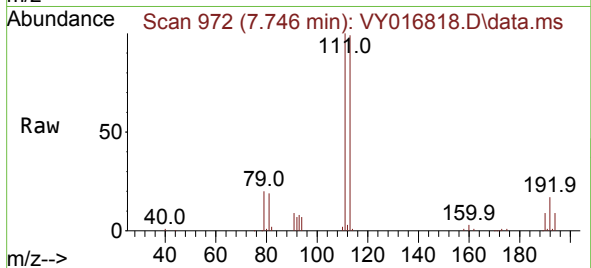
88 15.0 0.0 29.0



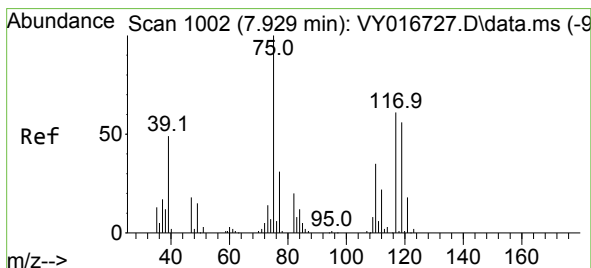
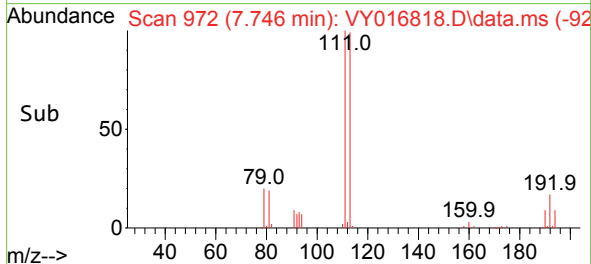
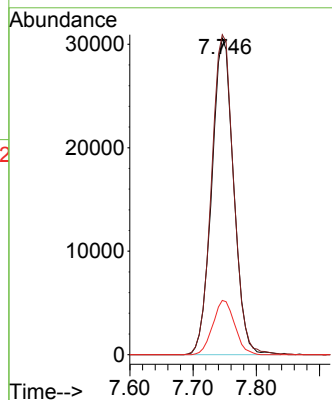


#35
Dibromofluoromethane
Concen: 56.013 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016818.D
Acq: 22 Dec 2023 19:07

Instrument :
MSVOA_Y
ClientSampleId :

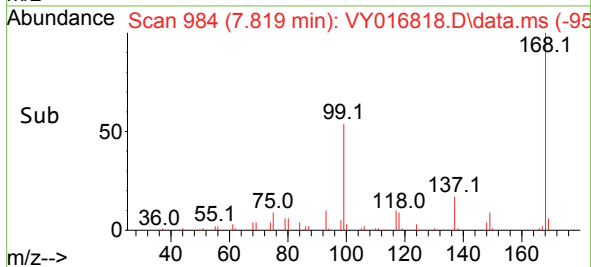
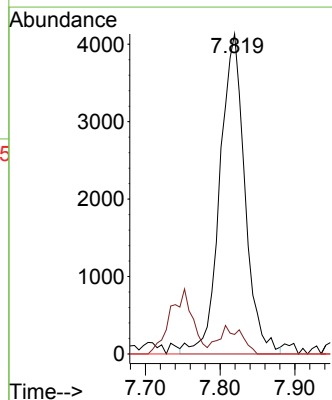
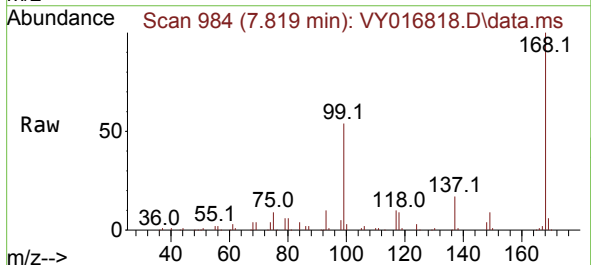


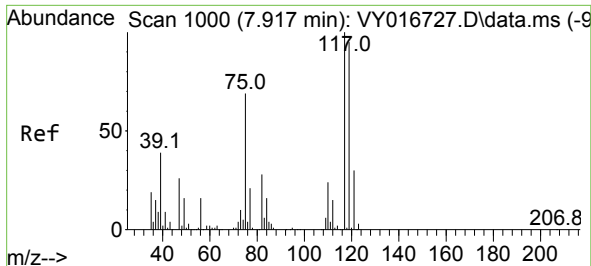
Tgt Ion:113 Resp: 73297
Ion Ratio Lower Upper
113 100
111 102.5 83.8 125.6
192 17.2 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.591 ug/l
RT: 7.819 min Scan# 984
Delta R.T. -0.110 min
Lab File: VY016818.D
Acq: 22 Dec 2023 19:07

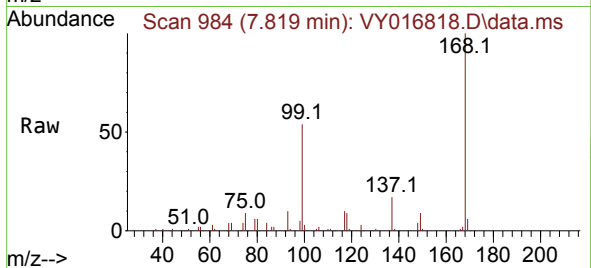
Tgt Ion: 75 Resp: 9632
Ion Ratio Lower Upper
75 100
110 8.0 17.4 52.3#
77 0.0 24.7 37.1#



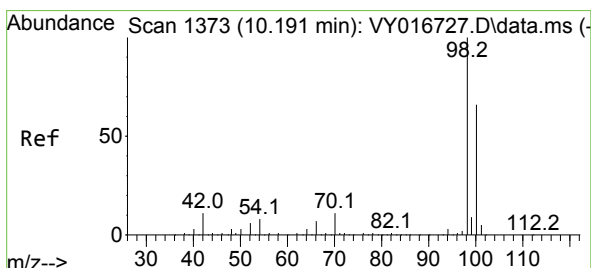
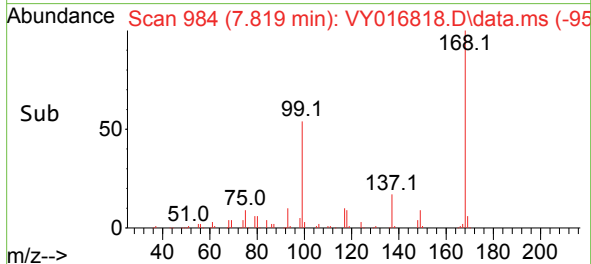
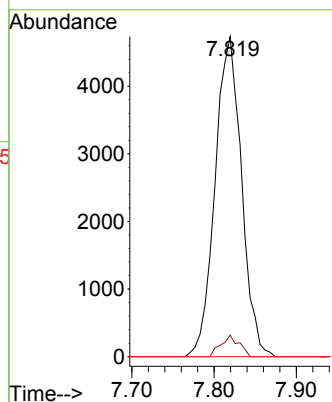


#38
Carbon Tetrachloride
Concen: 5.099 ug/l
RT: 7.819 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY016818.D
Acq: 22 Dec 2023 19:07

Instrument :
MSVOA_Y
ClientSampleId :

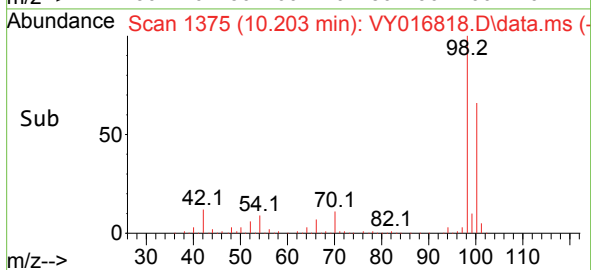
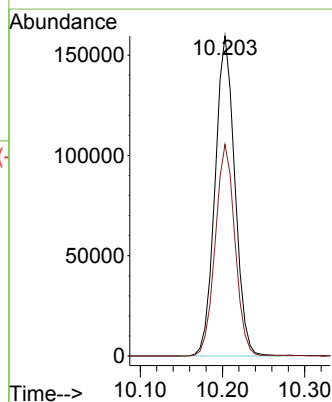
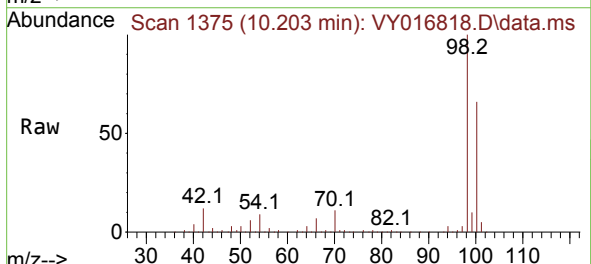


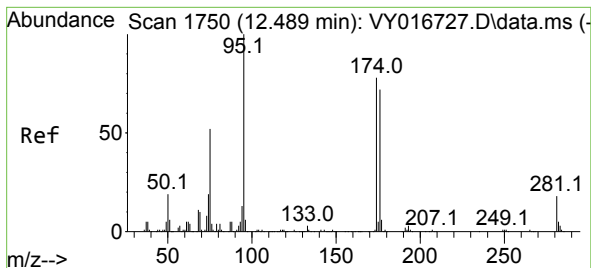
Tgt Ion:117 Resp: 10584
Ion Ratio Lower Upper
117 100
119 6.7 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 56.438 ug/l
RT: 10.203 min Scan# 1375
Delta R.T. 0.012 min
Lab File: VY016818.D
Acq: 22 Dec 2023 19:07

Tgt Ion: 98 Resp: 266234
Ion Ratio Lower Upper
98 100
100 66.0 52.3 78.5

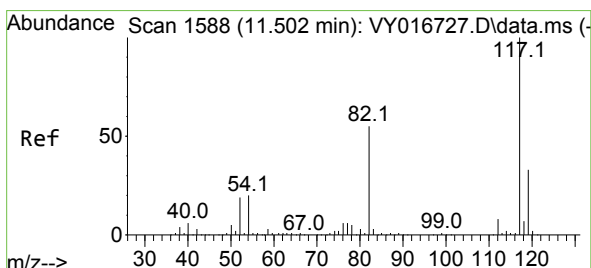
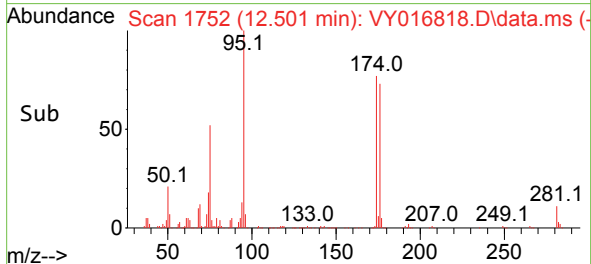
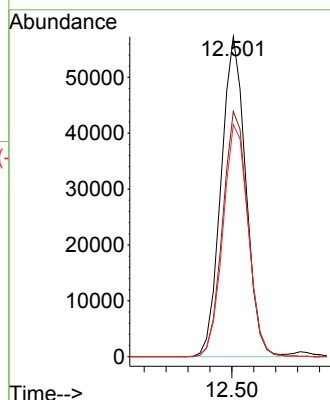
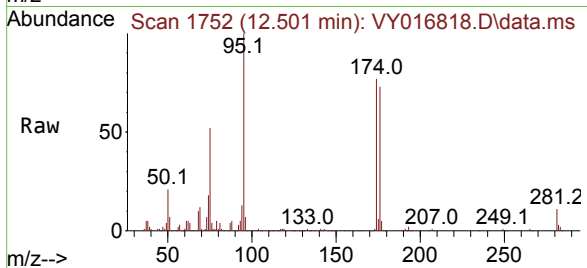




#62
4-Bromofluorobenzene
Concen: 58.464 ug/l
RT: 12.501 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016818.D
Acq: 22 Dec 2023 19:07

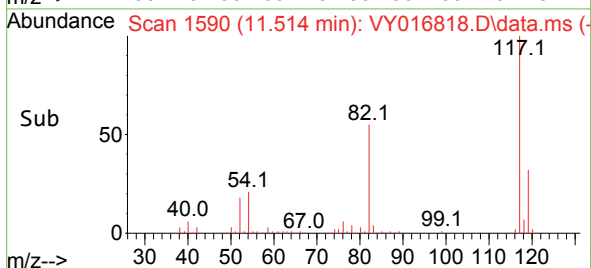
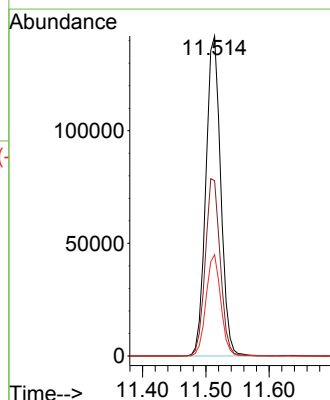
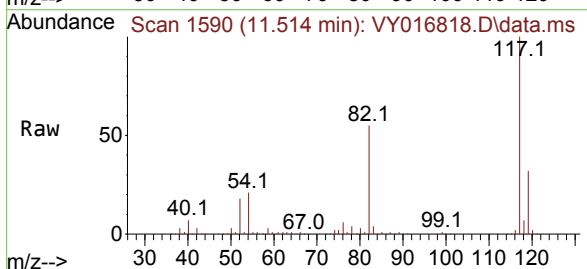
Instrument :
MSVOA_Y
ClientSampleId :

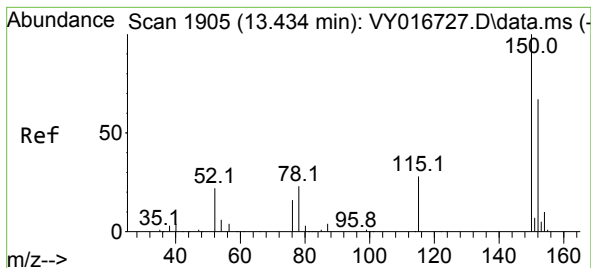
Tgt Ion: 95 Resp: 89474
Ion Ratio Lower Upper
95 100
174 78.3 0.0 160.0
176 74.4 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016818.D
Acq: 22 Dec 2023 19:07

Tgt Ion: 117 Resp: 232627
Ion Ratio Lower Upper
117 100
82 54.8 43.8 65.8
119 31.6 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY016818.D

Acq: 22 Dec 2023 19:07

Instrument :

MSVOA_Y

ClientSampleId :

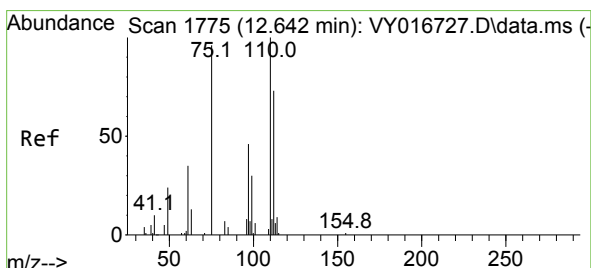
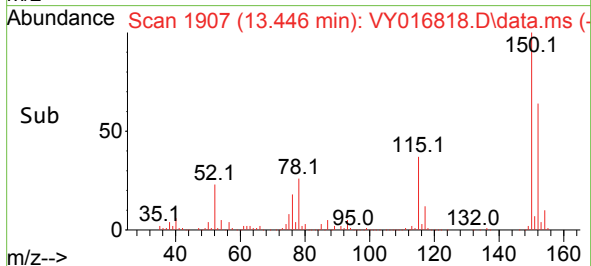
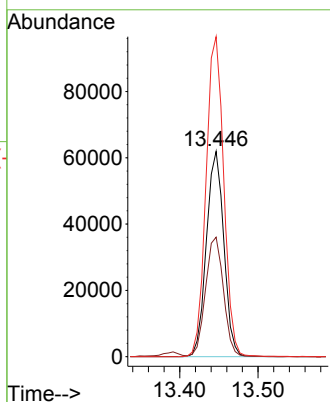
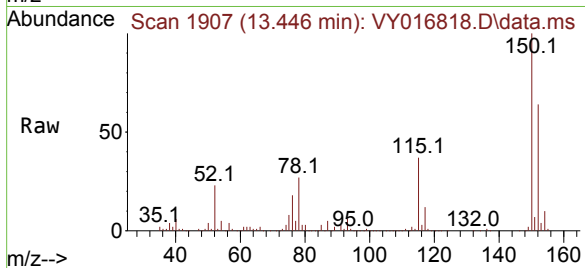
Tgt Ion:152 Resp: 95612

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

150 158.2 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 45.575 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.140 min

Lab File: VY016818.D

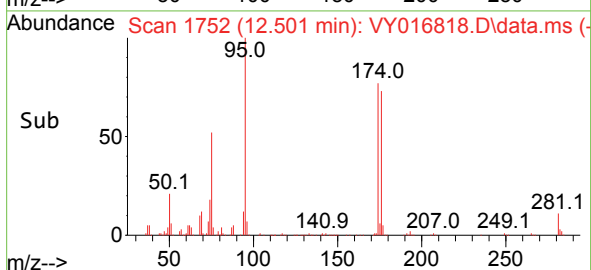
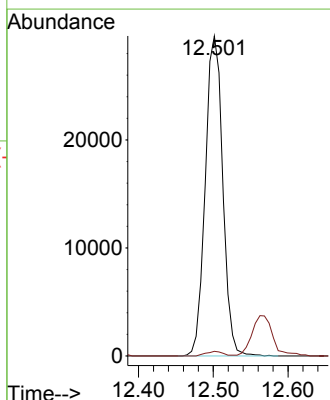
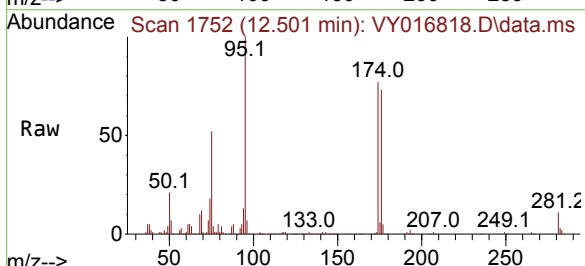
Acq: 22 Dec 2023 19:07

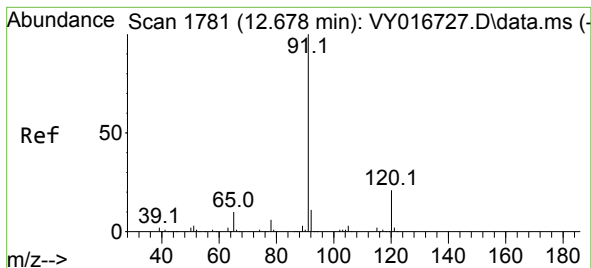
Tgt Ion: 75 Resp: 48170

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#78

n-propylbenzene

Concen: 1.023 ug/l

RT: 12.562 min Scan# 1752

Delta R.T. -0.116 min

Lab File: VY016818.D

Acq: 22 Dec 2023 19:07

Instrument :

MSVOA_Y

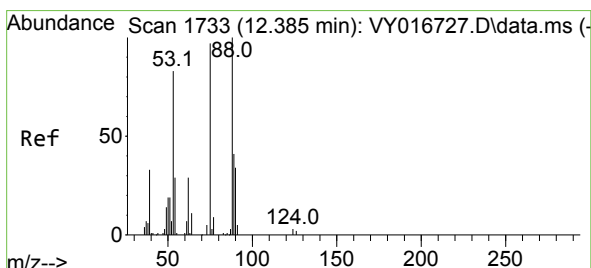
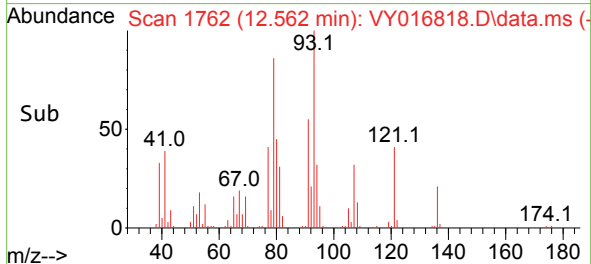
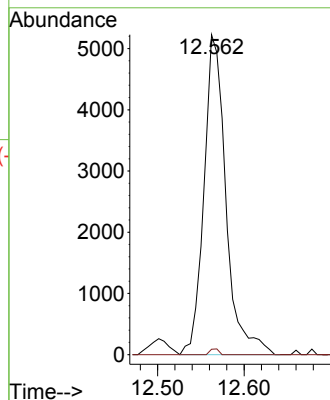
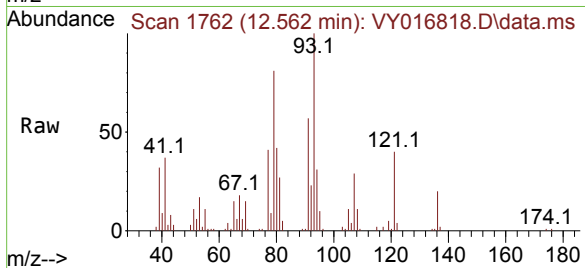
ClientSampleId :

Tgt Ion: 91 Resp: 9225

Ion Ratio Lower Upper

91 100

120 0.7 11.0 33.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.030 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. 0.116 min

Lab File: VY016818.D

Acq: 22 Dec 2023 19:07

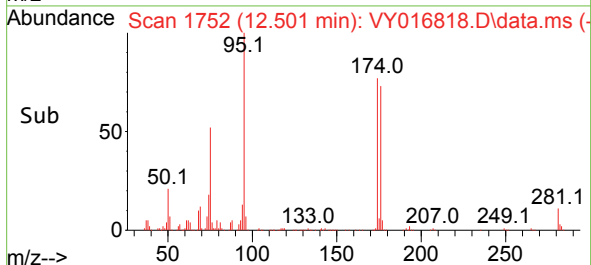
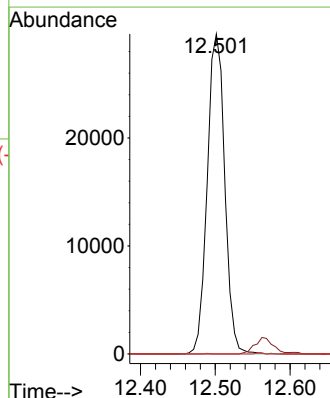
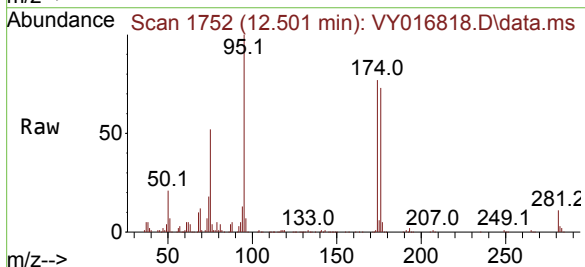
Tgt Ion: 75 Resp: 48170

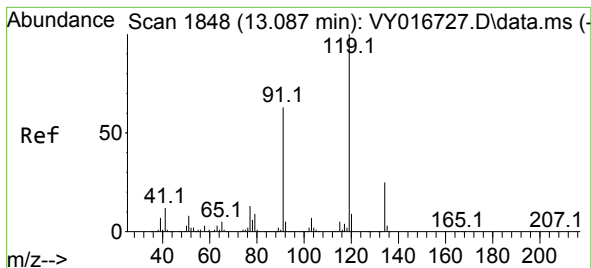
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#





#83

tert-Butylbenzene

Concen: 1.590 ug/l

RT: 13.166 min Scan# 1861

Delta R.T. 0.079 min

Lab File: VY016818.D

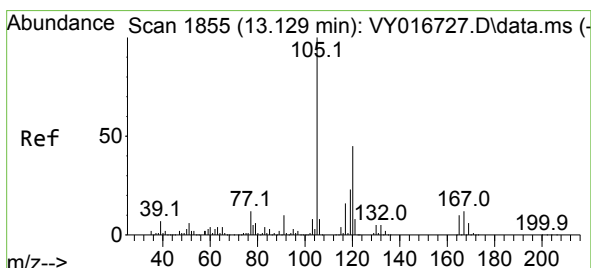
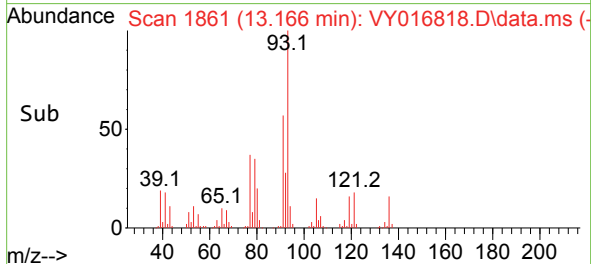
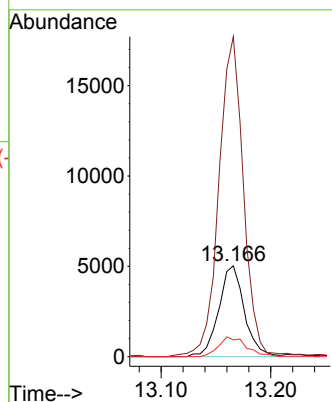
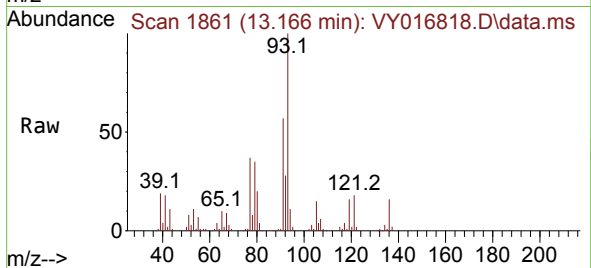
Acq: 22 Dec 2023 19:07

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:119	Resp:	8154
Ion Ratio	Lower	Upper
119	100	
91	341.6	31.5 94.5#
134	23.7	13.1 39.3



#84

1,2,4-Trimethylbenzene

Concen: 1.167 ug/l

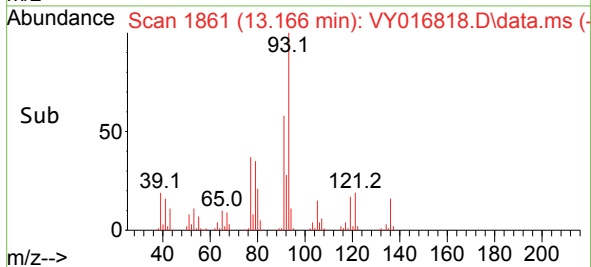
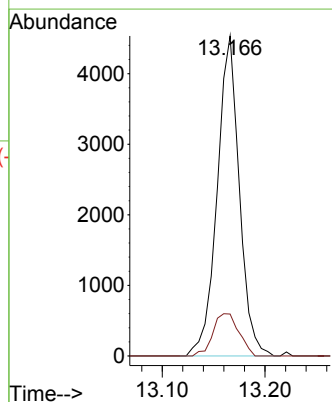
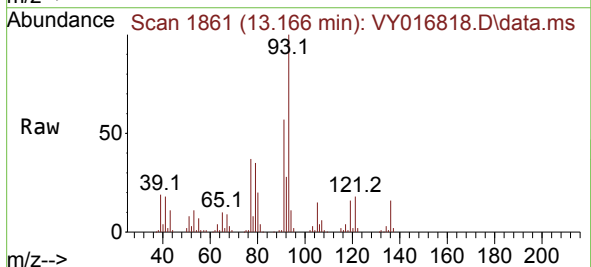
RT: 13.166 min Scan# 1861

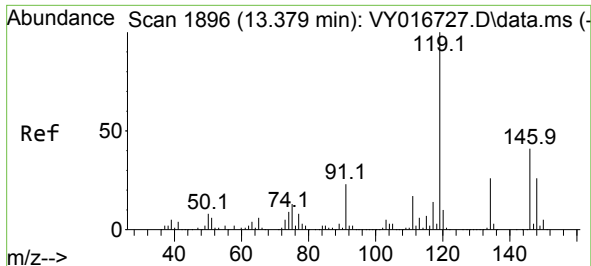
Delta R.T. 0.037 min

Lab File: VY016818.D

Acq: 22 Dec 2023 19:07

Tgt Ion:105	Resp:	6783
Ion Ratio	Lower	Upper
105	100	
120	15.5	22.1 66.3#

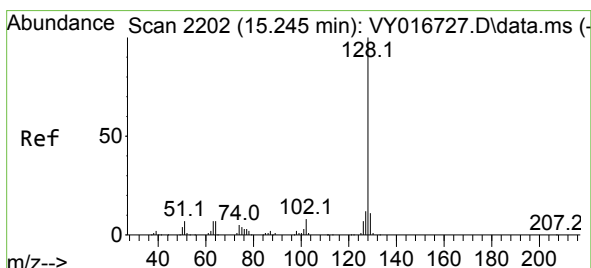
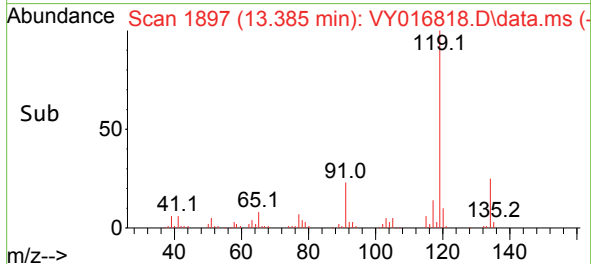
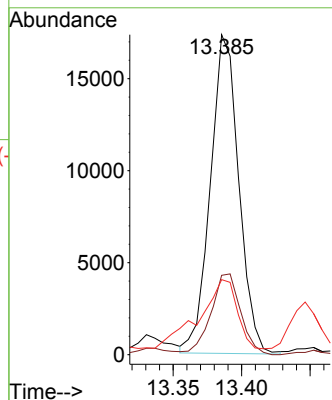
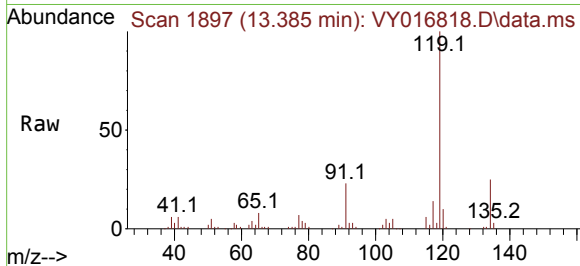




#86
p-Isopropyltoluene
Concen: 3.952 ug/l
RT: 13.385 min Scan# 119
Delta R.T. 0.006 min
Lab File: VY016818.D
Acq: 22 Dec 2023 19:07

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:119 Resp: 24997
Ion Ratio Lower Upper
119 100
134 26.4 13.1 39.1
91 35.2 11.7 35.0#



#95
Naphthalene
Concen: 3.609 ug/l
RT: 15.263 min Scan# 2205
Delta R.T. 0.018 min
Lab File: VY016818.D
Acq: 22 Dec 2023 19:07

Tgt Ion:128 Resp: 50
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

