

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016814.D
 Acq On : 22 Dec 2023 17:34
 Operator : SY/MD
 Sample : 05877-16
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:02:29 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)

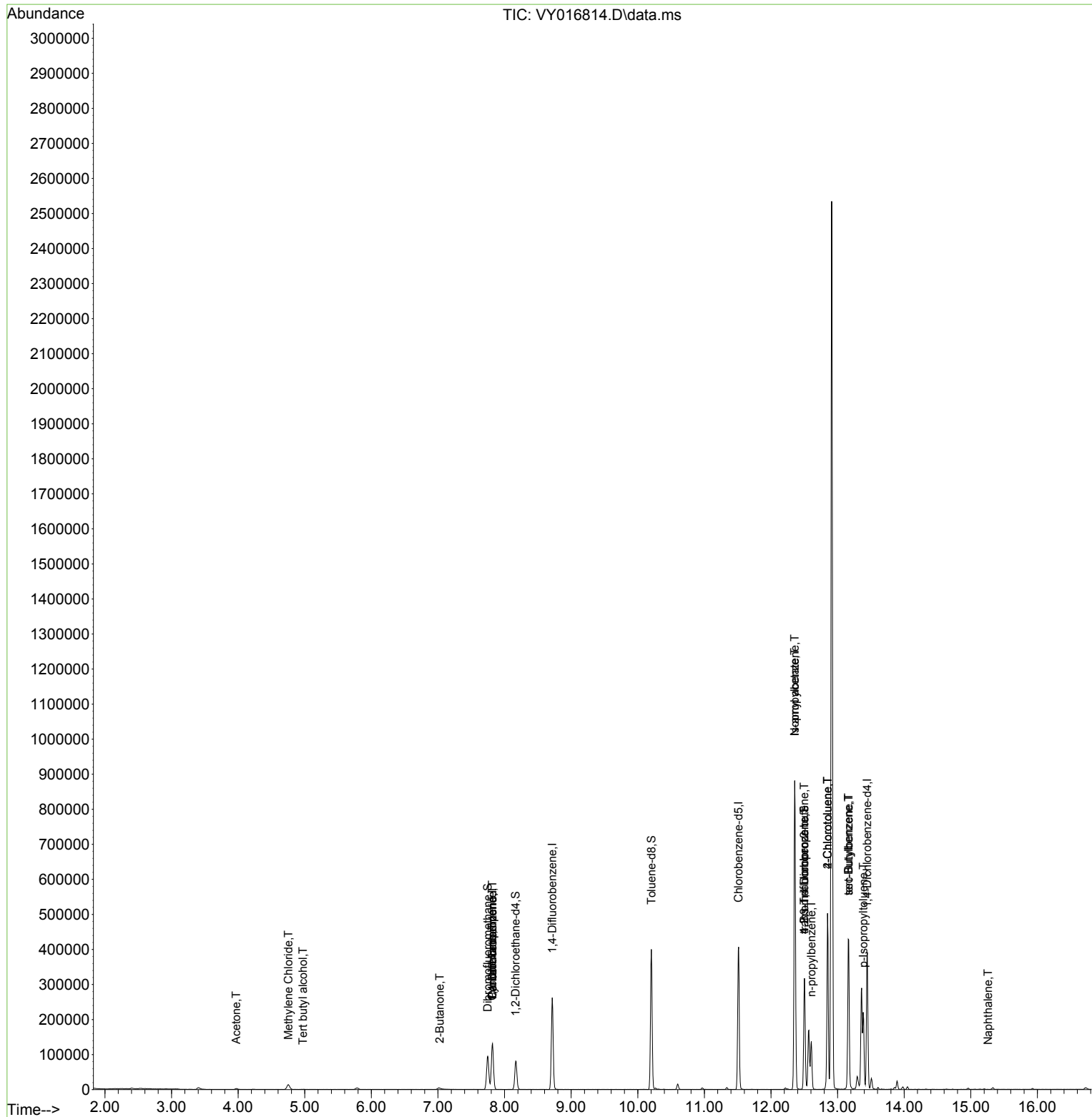
Internal Standards						
1) Pentafluorobenzene	7.819	168	97434	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	219560	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	222816	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	94378	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	64352	72.349	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 144.700%			
35) Dibromofluoromethane	7.746	113	69691	55.412	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.820%			
50) Toluene-d8	10.203	98	256541	56.583	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.160%			
62) 4-Bromofluorobenzene	12.502	95	92422	62.833	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 125.660%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.972	59	99	1.357	ug/l #	75
16) Acetone	3.973	43	4805	19.977	ug/l	96
20) Methylene Chloride	4.753	84	10743	5.998	ug/l	96
25) 2-Butanone	7.027	43	725	2.189	ug/l #	48
31) Cyclohexane	7.813	56	2256	1.324	ug/l #	1
36) 1,1-Dichloropropene	7.813	75	8842	4.385	ug/l #	50
38) Carbon Tetrachloride	7.819	117	9780	4.902	ug/l #	16
73) Isopropylbenzene	12.355	105	33846	4.605	ug/l #	66
74) N-amyl acetate	12.355	43	17365	11.257	ug/l #	16
76) 1,2,3-Trichloropropane	12.502	75	49114	47.076	ug/l #	100
78) n-propylbenzene	12.605	91	12753	1.432	ug/l #	59
79) 2-Chlorotoluene	12.849	91	40216	8.161	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.502	75	49114	110.554	ug/l #	12
82) 4-Chlorotoluene	12.849	91	40216	7.955	ug/l #	41
83) tert-Butylbenzene	13.166	119	14970	2.958	ug/l #	1
85) sec-Butylbenzene	13.166	105	18611	2.483	ug/l	98
86) p-Isopropyltoluene	13.386	119	121111	19.400	ug/l	99
95) Naphthalene	15.257	128	79	3.618	ug/l #	69

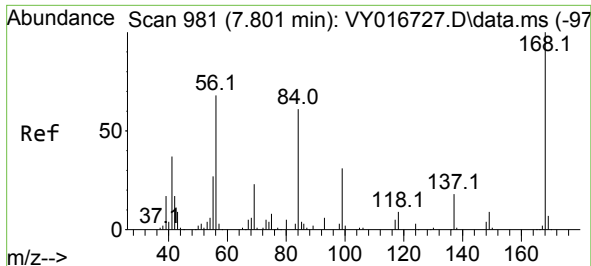
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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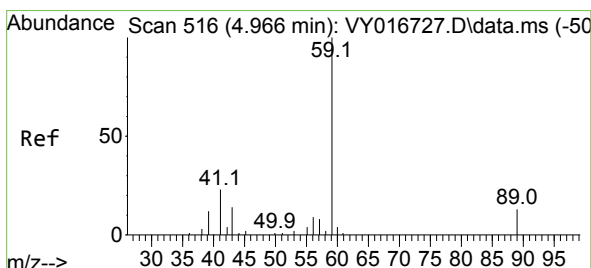
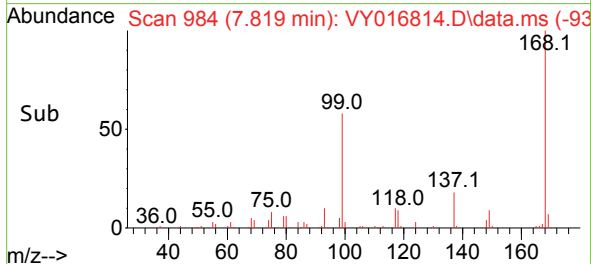
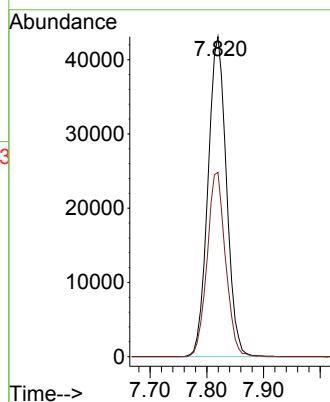
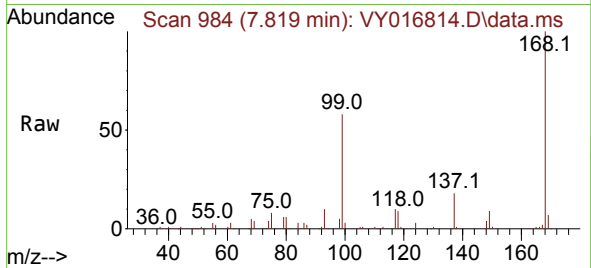




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

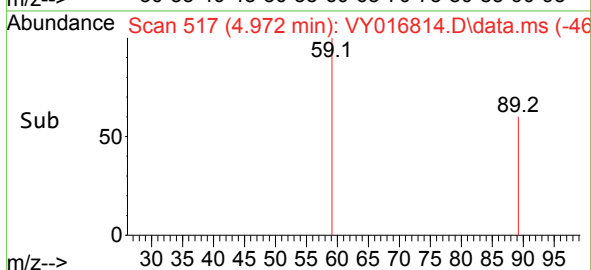
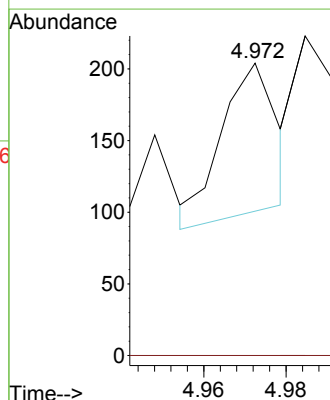
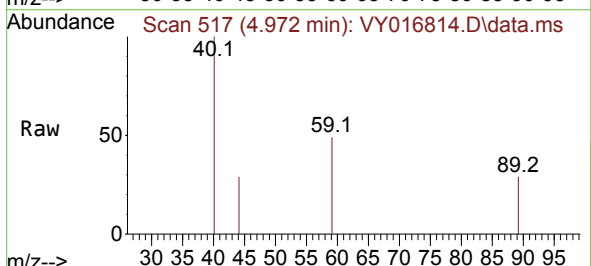
Instrument :
MSVOA_Y
ClientSampleId :

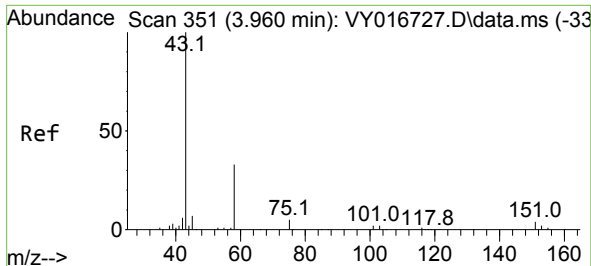
Tgt Ion:168 Resp: 97434
Ion Ratio Lower Upper
168 100
99 57.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.357 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

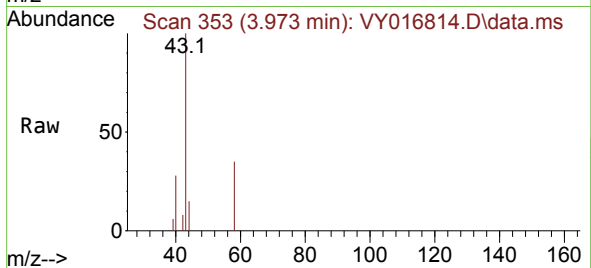
Tgt Ion: 59 Resp: 99
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



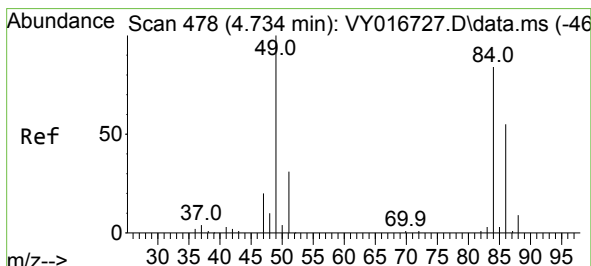
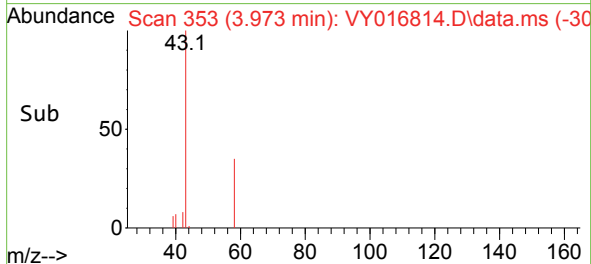
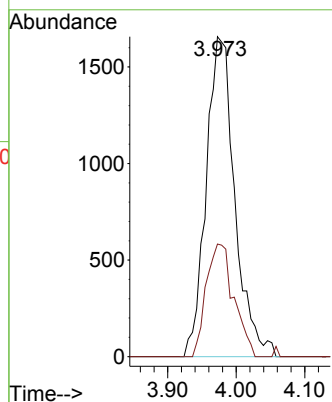


#16
Acetone
Concen: 19.977 ug/l
RT: 3.973 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

Instrument :
MSVOA_Y
ClientSampleId :

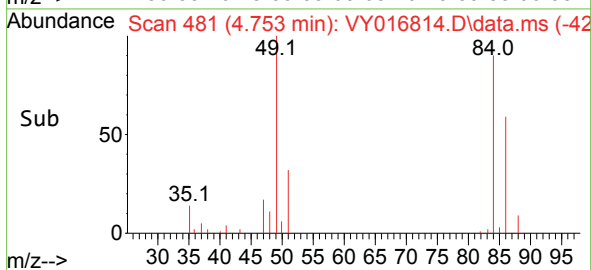
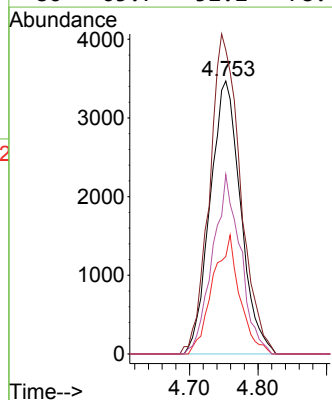
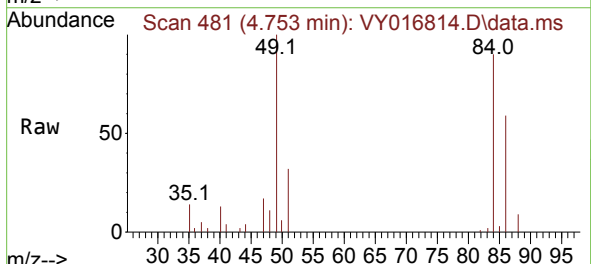


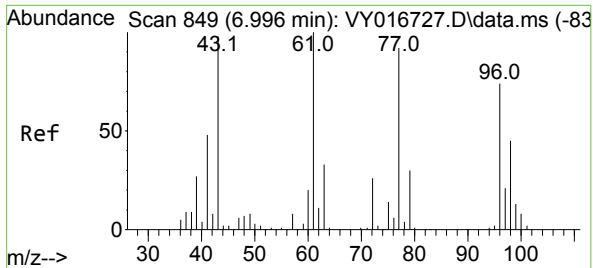
Tgt Ion: 43 Resp: 4805
Ion Ratio Lower Upper
43 100
58 35.2 26.6 39.8



#20
Methylene Chloride
Concen: 5.998 ug/l
RT: 4.753 min Scan# 481
Delta R.T. 0.019 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

Tgt Ion: 84 Resp: 10743
Ion Ratio Lower Upper
84 100
49 111.4 95.2 142.8
51 35.7 29.9 44.9
86 65.7 52.2 78.4





#25

2-Butanone

Concen: 2.189 ug/l

RT: 7.027 min Scan# 81

Delta R.T. 0.031 min

Lab File: VY016814.D

Acq: 22 Dec 2023 17:34

Instrument :

MSVOA_Y

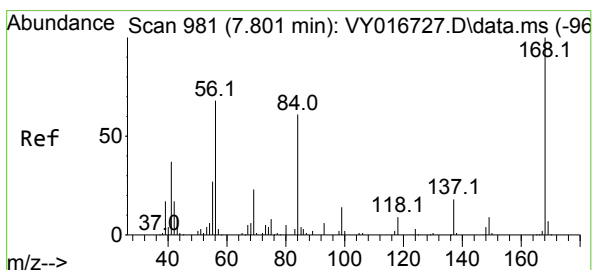
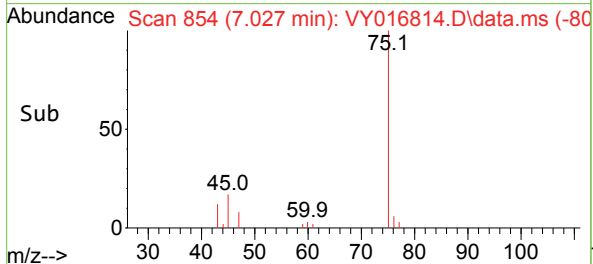
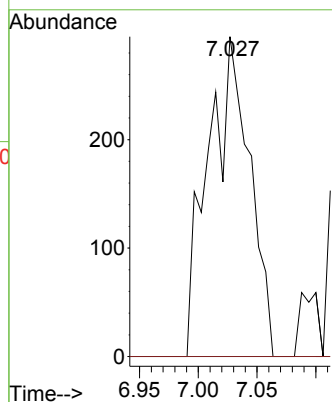
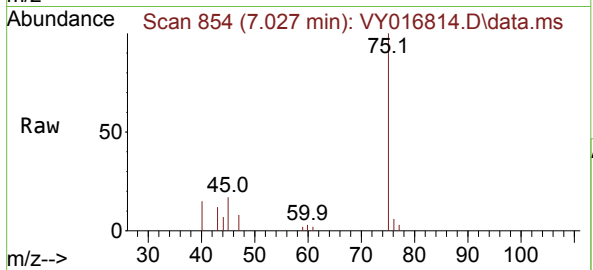
ClientSampleId :

Tgt Ion: 43 Resp: 725

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.324 ug/l

RT: 7.813 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY016814.D

Acq: 22 Dec 2023 17:34

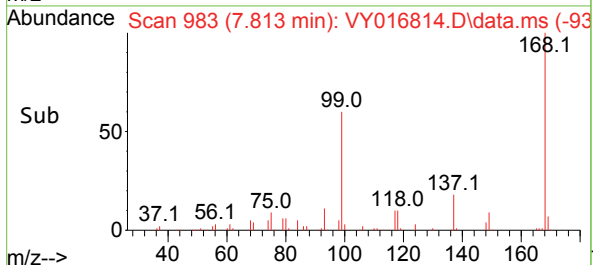
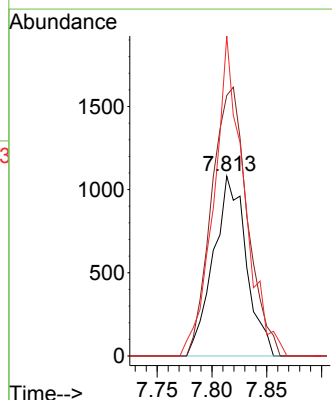
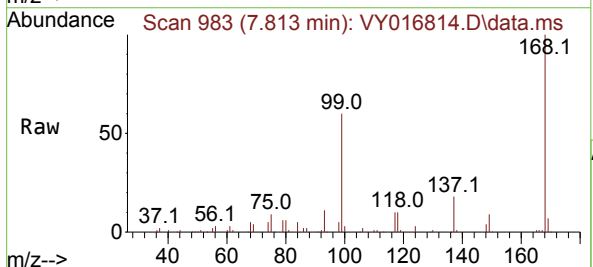
Tgt Ion: 56 Resp: 2256

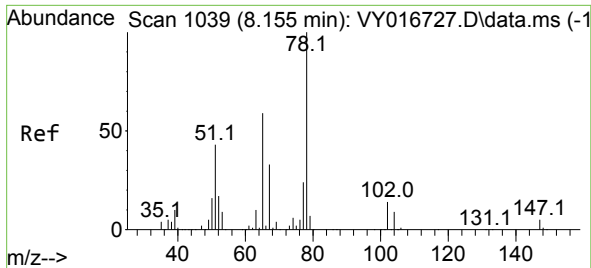
Ion Ratio Lower Upper

56 100

69 144.9 27.0 40.6#

84 178.0 71.8 107.6#

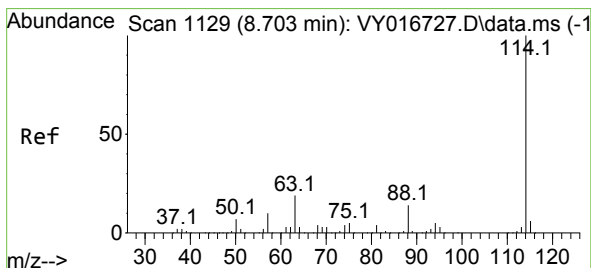
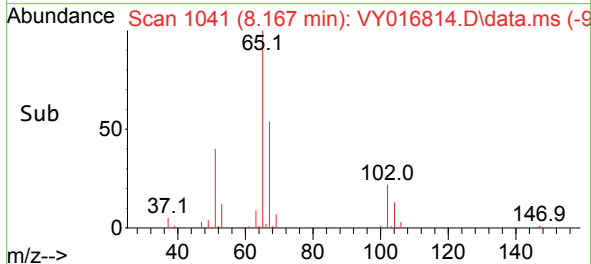
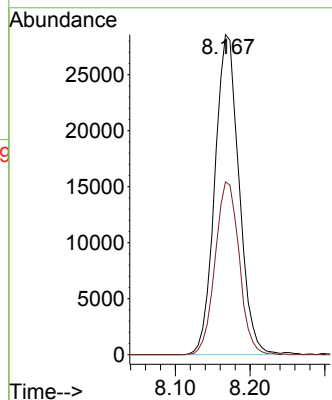
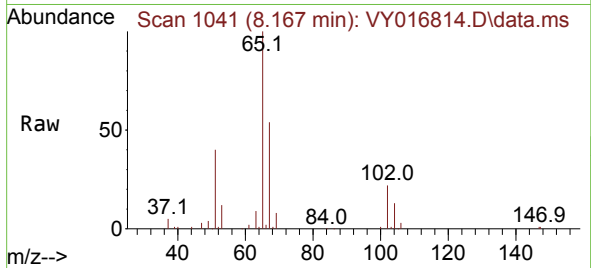




#33
 1,2-Dichloroethane-d4
 Concen: 72.349 ug/l
 RT: 8.167 min Scan# 110
 Delta R.T. 0.012 min
 Lab File: VY016814.D
 Acq: 22 Dec 2023 17:34

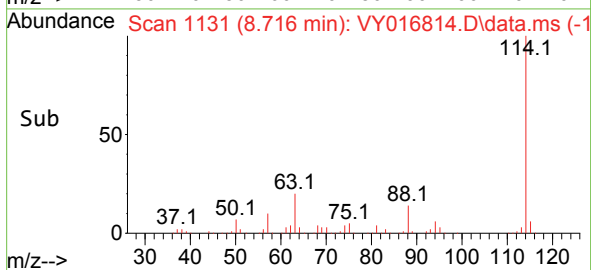
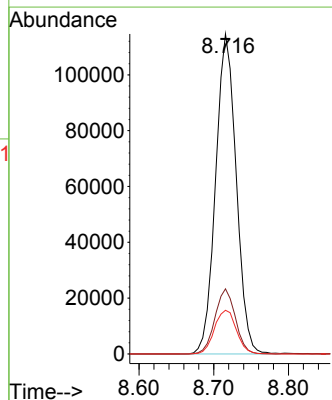
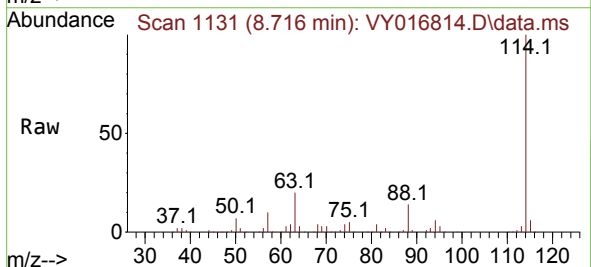
Instrument :
 MSVOA_Y
 ClientSampleId :

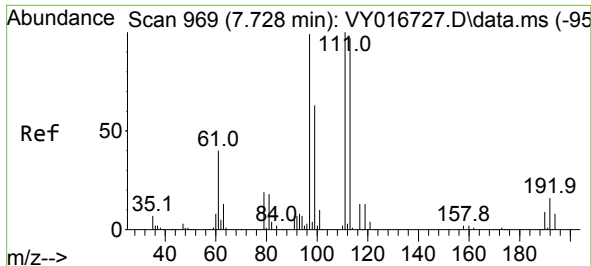
Tgt Ion: 65 Resp: 64352
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.716 min Scan# 1131
 Delta R.T. 0.013 min
 Lab File: VY016814.D
 Acq: 22 Dec 2023 17:34

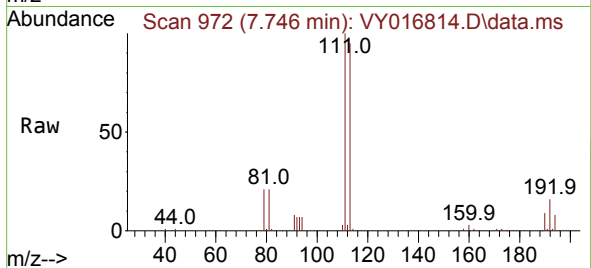
Tgt Ion: 114 Resp: 219560
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 37.4
 88 13.6 0.0 29.0



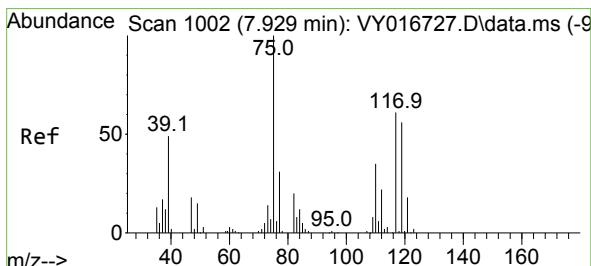
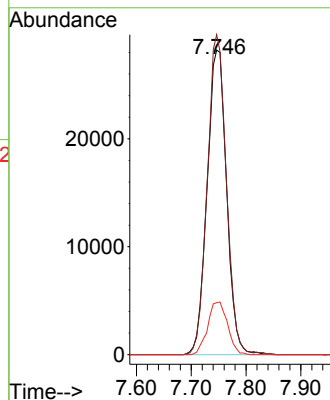
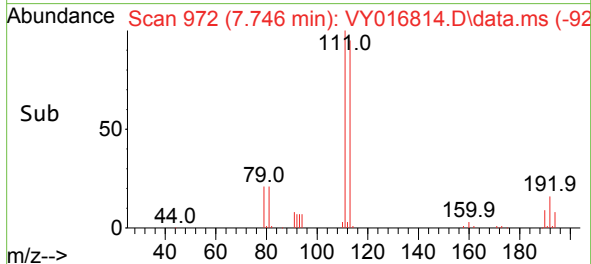


#35
Dibromofluoromethane
Concen: 55.412 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.019 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

Instrument :
MSVOA_Y
ClientSampleId :

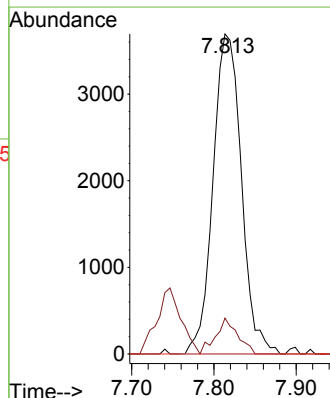
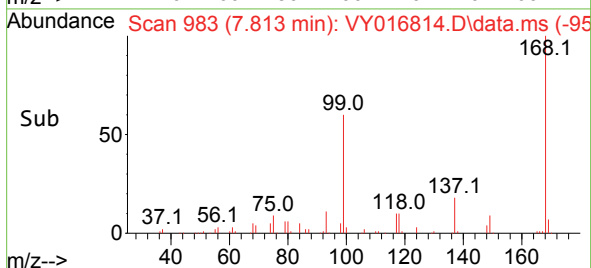
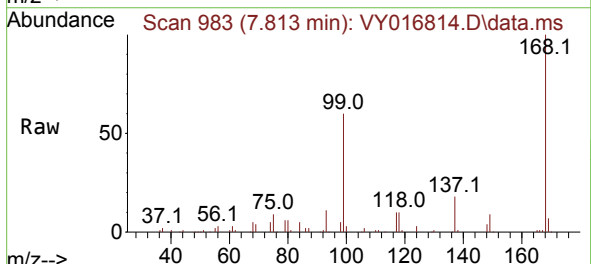


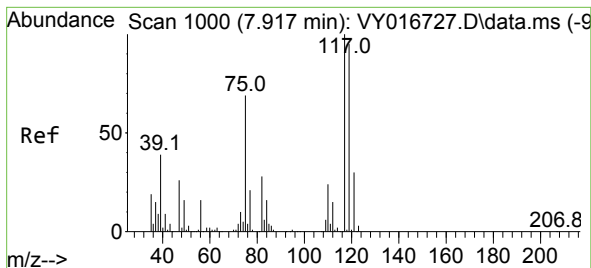
Tgt Ion:113 Resp: 69691
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.6
192 17.6 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.385 ug/l
RT: 7.813 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

Tgt Ion: 75 Resp: 8842
Ion Ratio Lower Upper
75 100
110 8.6 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.902 ug/l

RT: 7.819 min Scan# 91

Delta R.T. -0.097 min

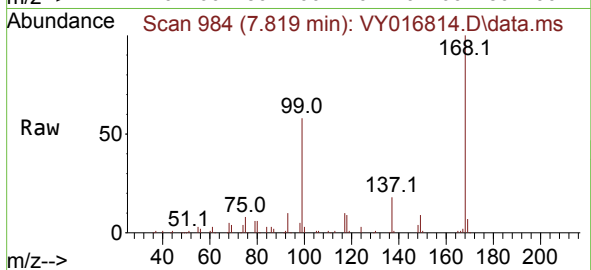
Lab File: VY016814.D

Acq: 22 Dec 2023 17:34

Instrument :

MSVOA_Y

ClientSampleId :



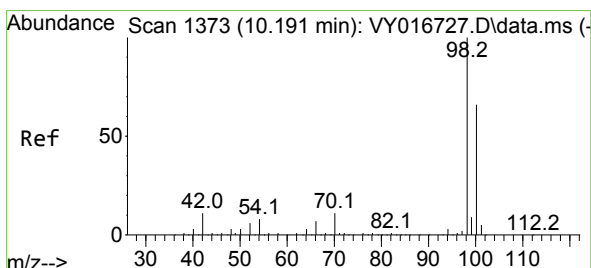
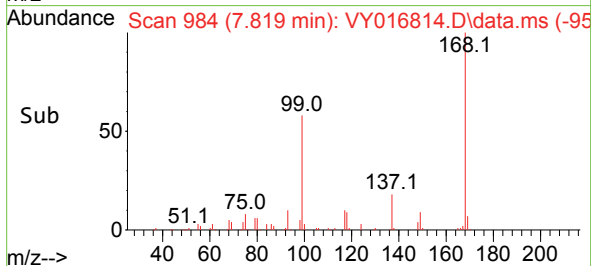
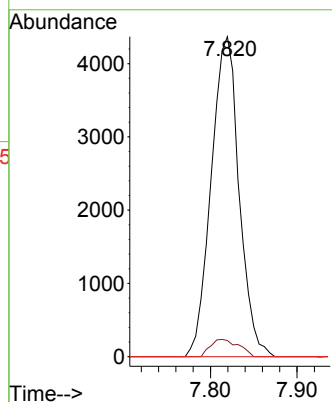
Tgt Ion:117 Resp: 9780

Ion Ratio Lower Upper

117 100

119 5.0 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 56.583 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.012 min

Lab File: VY016814.D

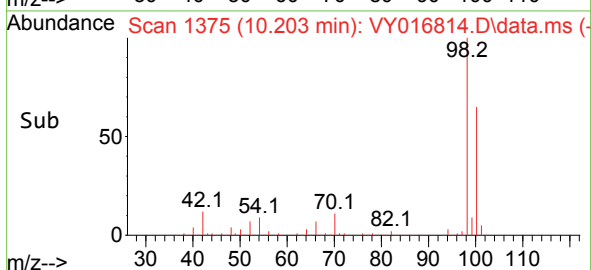
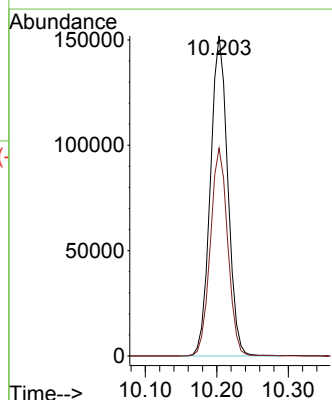
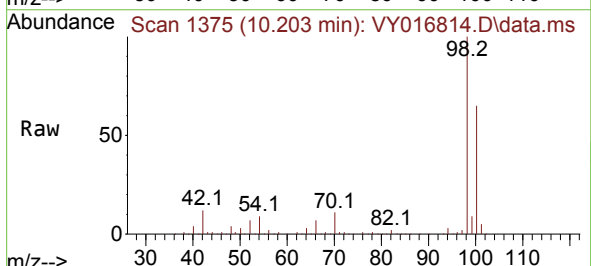
Acq: 22 Dec 2023 17:34

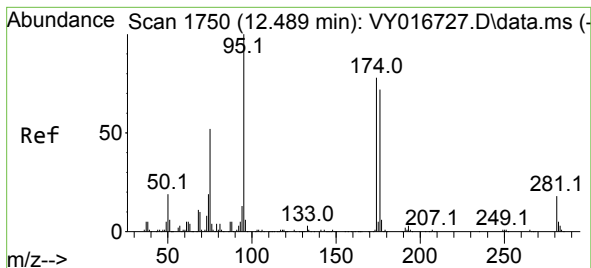
Tgt Ion: 98 Resp: 256541

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5

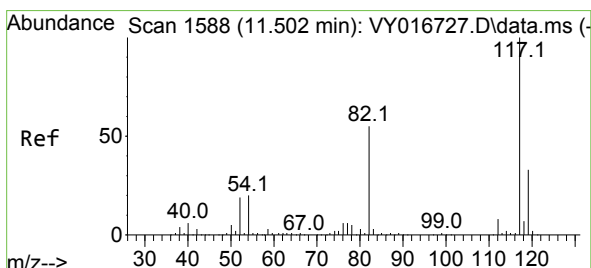
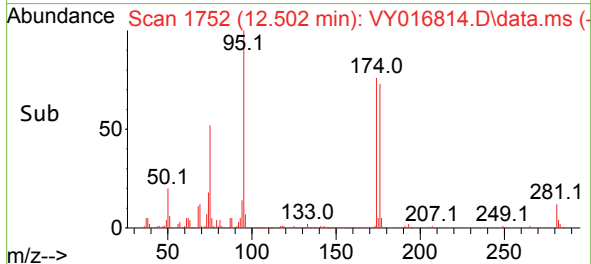
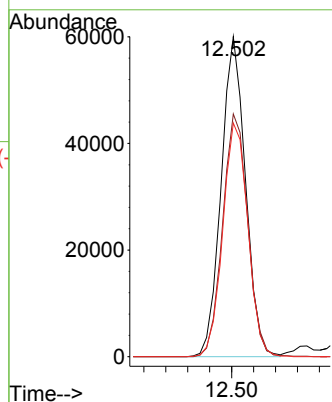
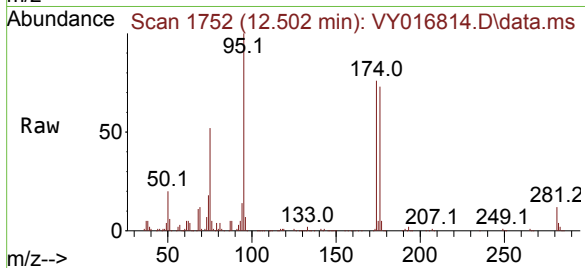




#62
4-Bromofluorobenzene
Concen: 62.833 ug/l
RT: 12.502 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

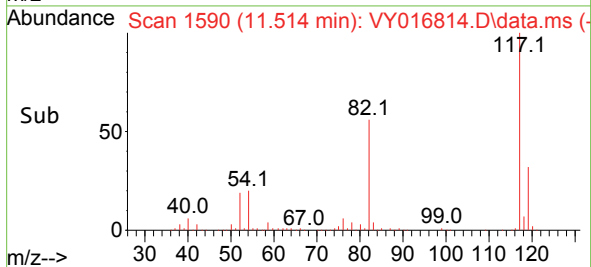
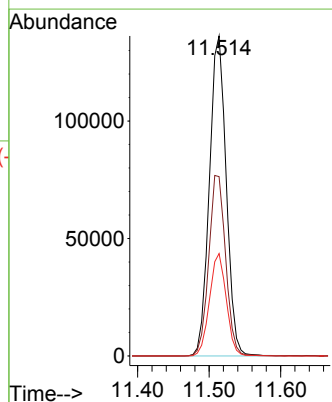
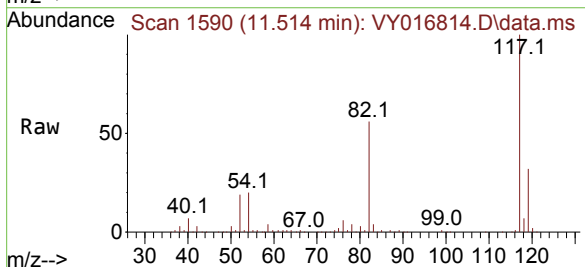
Instrument :
MSVOA_Y
ClientSampleId :

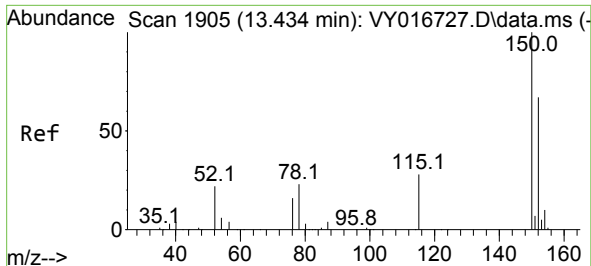
Tgt Ion: 95 Resp: 92422
Ion Ratio Lower Upper
95 100
174 78.1 0.0 160.0
176 75.3 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

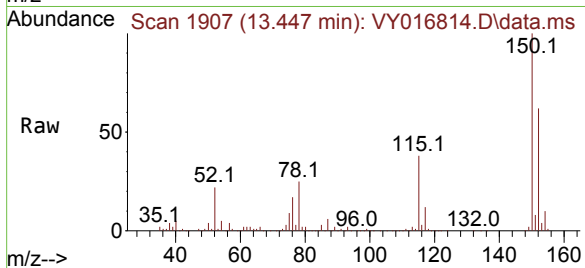
Tgt Ion: 117 Resp: 222816
Ion Ratio Lower Upper
117 100
82 56.1 43.8 65.8
119 32.0 26.5 39.7



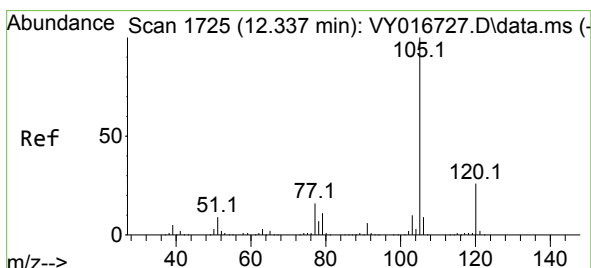
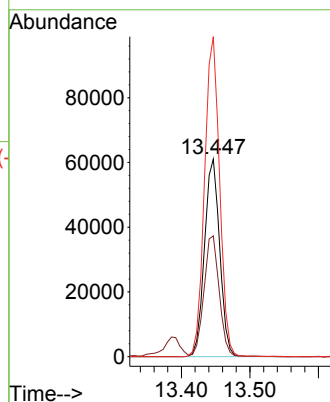
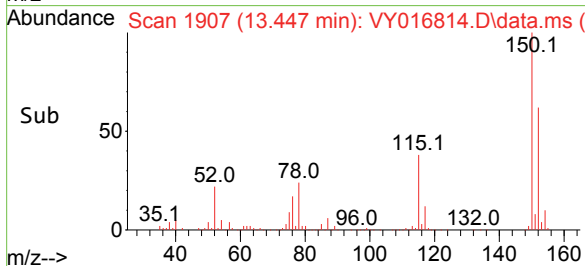


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.447 min Scan# 1905
 Delta R.T. 0.012 min
 Lab File: VY016814.D
 Acq: 22 Dec 2023 17:34

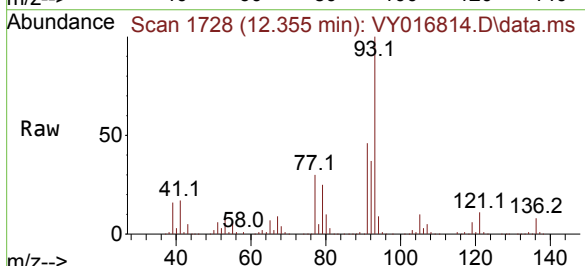
Instrument :
 MSVOA_Y
 ClientSampleId :



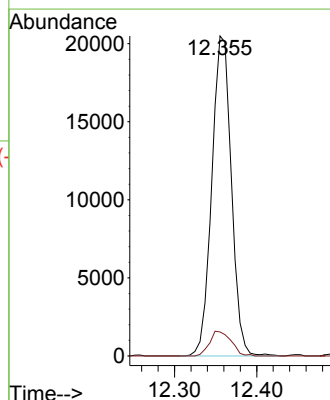
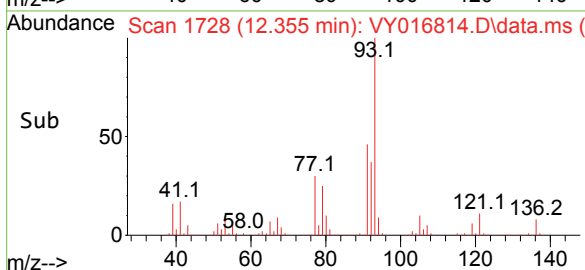
Tgt Ion:152 Resp: 94378
 Ion Ratio Lower Upper
 152 100
 115 60.9 30.0 90.0
 150 160.3 0.0 344.6

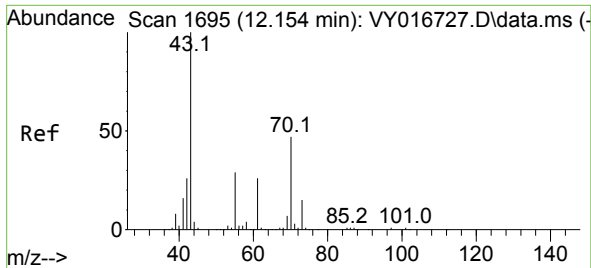


#73
 Isopropylbenzene
 Concen: 4.605 ug/l
 RT: 12.355 min Scan# 1728
 Delta R.T. 0.019 min
 Lab File: VY016814.D
 Acq: 22 Dec 2023 17:34



Tgt Ion:105 Resp: 33846
 Ion Ratio Lower Upper
 105 100
 120 8.5 13.0 39.0#

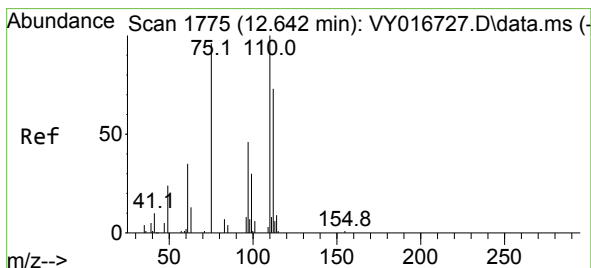
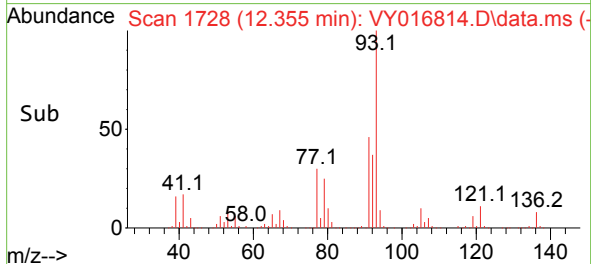
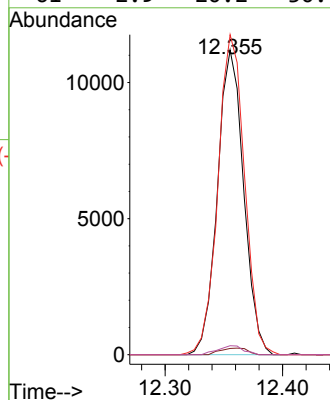
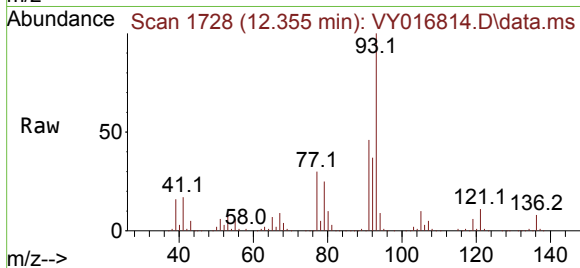




#74
N-amy1 acetate
Concen: 11.257 ug/l
RT: 12.355 min Scan# 17365
Delta R.T. 0.201 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

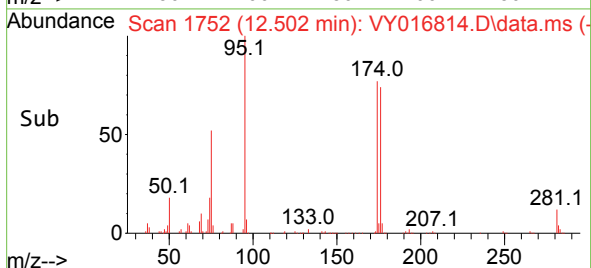
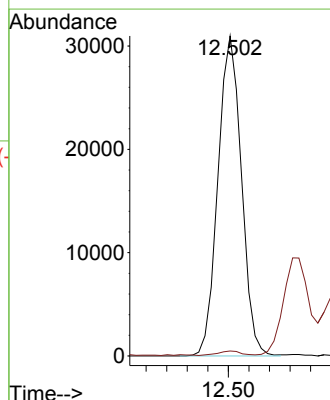
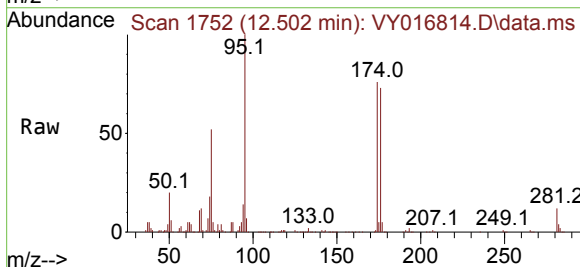
Instrument :
MSVOA_Y
ClientSampleId :

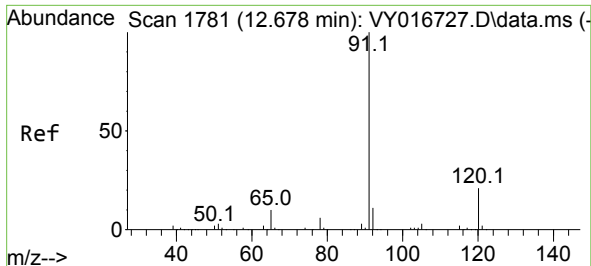
Tgt Ion: 43	Resp: 17365
Ion Ratio	Lower Upper
43 100	
70 2.2	36.6 55.0#
55 106.7	22.2 33.4#
61 2.9	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 47.076 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. -0.140 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

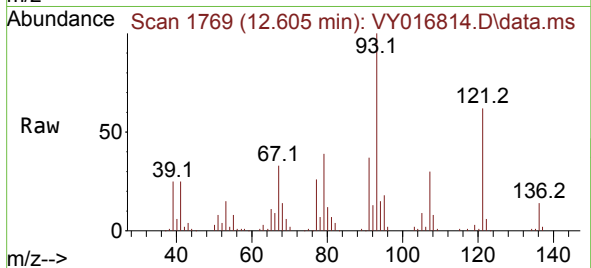
Tgt Ion: 75	Resp: 49114
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0



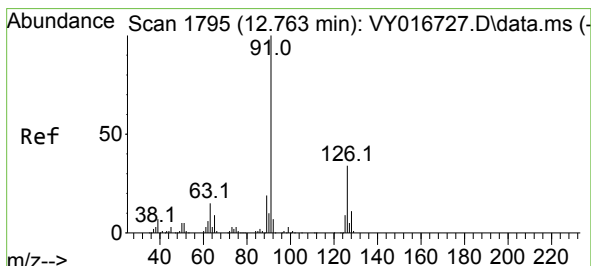
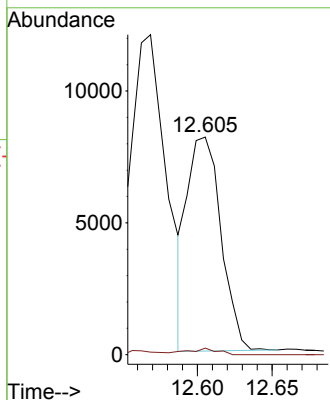
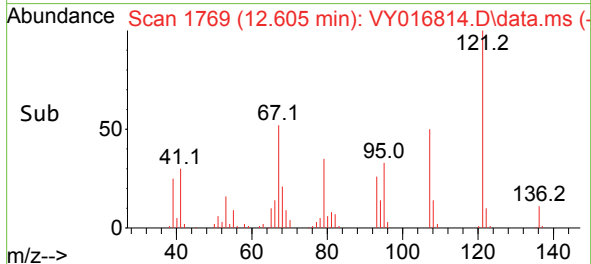


#78
n-propylbenzene
Concen: 1.432 ug/l
RT: 12.605 min Scan# 11
Delta R.T. -0.073 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

Instrument :
MSVOA_Y
ClientSampleId :

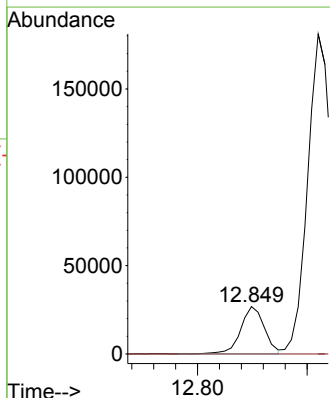
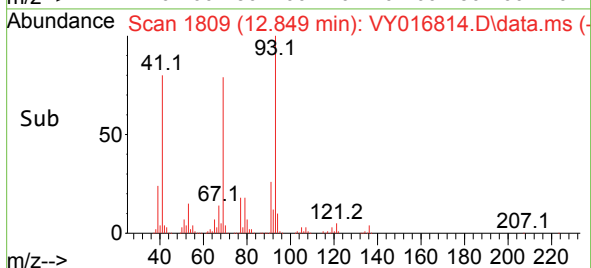
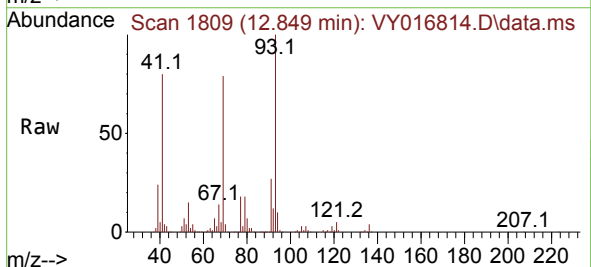


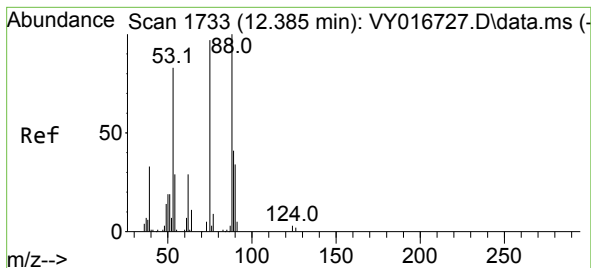
Tgt Ion: 91 Resp: 12753
Ion Ratio Lower Upper
91 100
120 2.6 11.0 33.0#



#79
2-Chlorotoluene
Concen: 8.161 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. 0.086 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

Tgt Ion: 91 Resp: 40216
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#

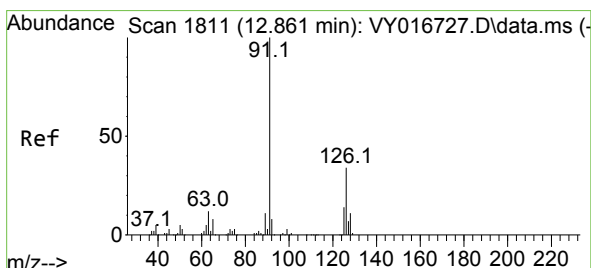
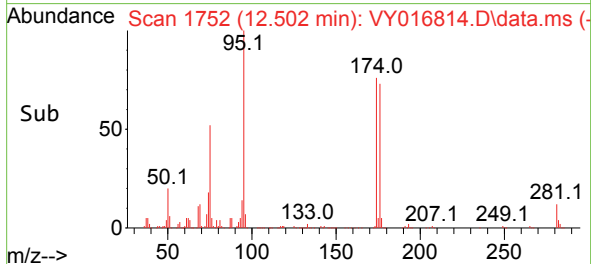
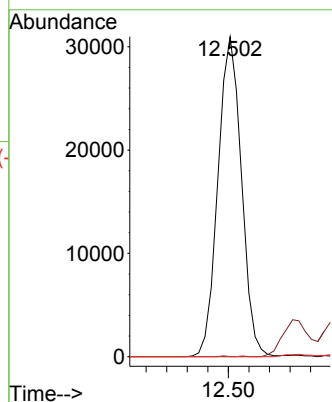
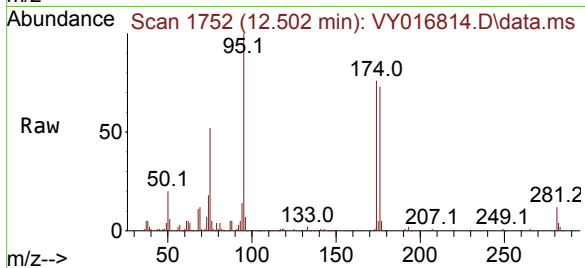




#81
trans-1,4-Dichloro-2-butene
Concen: 110.554 ug/l
RT: 12.502 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

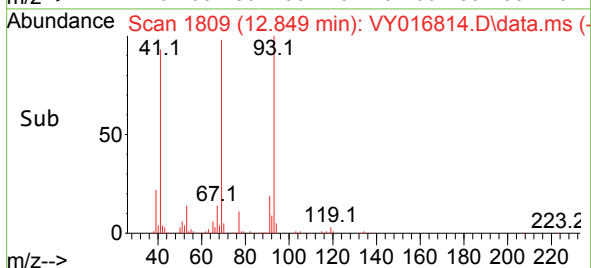
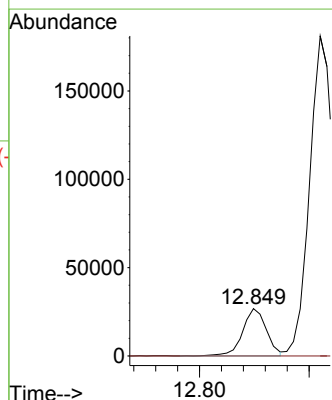
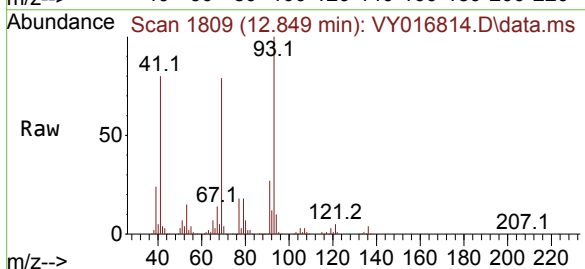
Instrument :
MSVOA_Y
ClientSampleId :

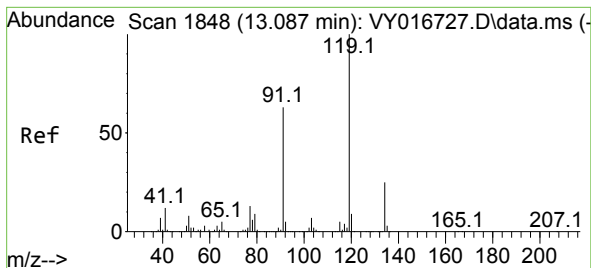
Tgt Ion: 75 Resp: 49114
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#82
4-Chlorotoluene
Concen: 7.955 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.012 min
Lab File: VY016814.D
Acq: 22 Dec 2023 17:34

Tgt Ion: 91 Resp: 40216
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#





#83

tert-Butylbenzene

Concen: 2.958 ug/l

RT: 13.166 min Scan# 1861

Delta R.T. 0.080 min

Lab File: VY016814.D

Acq: 22 Dec 2023 17:34

Instrument :

MSVOA_Y

ClientSampleId :

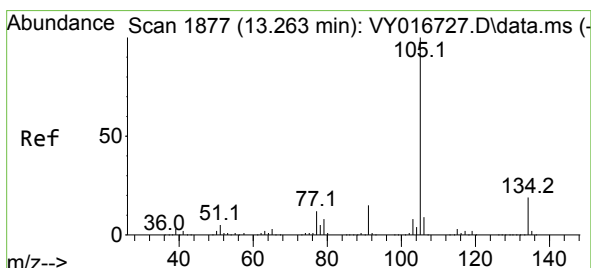
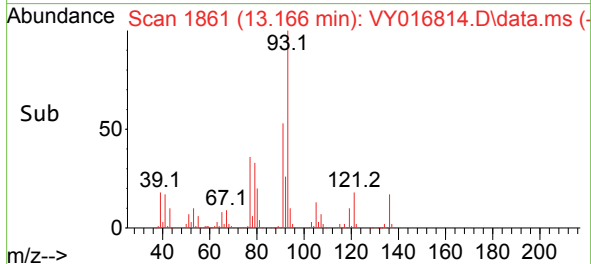
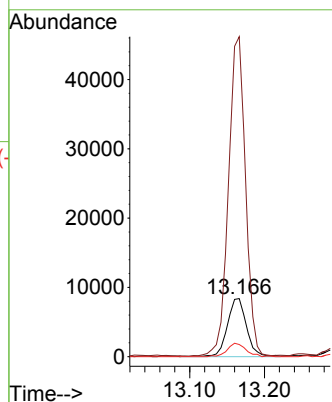
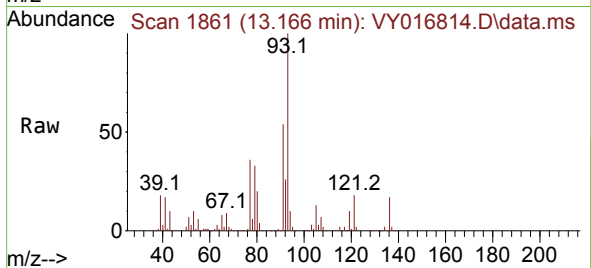
Tgt Ion:119 Resp: 14970

Ion Ratio Lower Upper

119 100

91 490.8 31.5 94.5#

134 22.8 13.1 39.3



#85

sec-Butylbenzene

Concen: 2.483 ug/l

RT: 13.166 min Scan# 1861

Delta R.T. -0.097 min

Lab File: VY016814.D

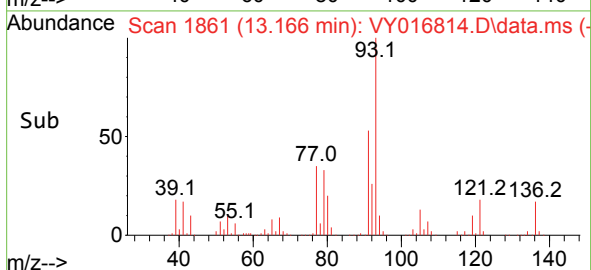
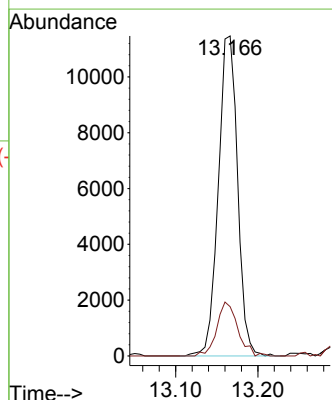
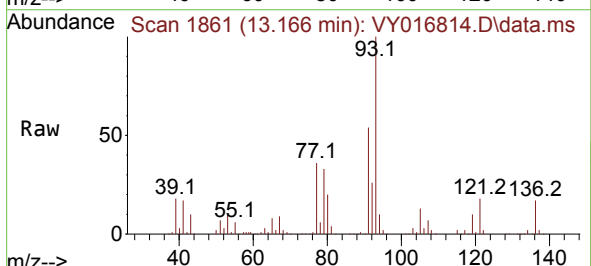
Acq: 22 Dec 2023 17:34

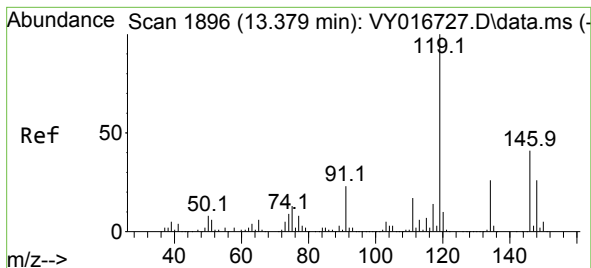
Tgt Ion:105 Resp: 18611

Ion Ratio Lower Upper

105 100

134 18.3 9.7 28.9





#86

p-Isopropyltoluene

Concen: 19.400 ug/l

RT: 13.386 min Scan# 119

Delta R.T. 0.006 min

Lab File: VY016814.D

Acq: 22 Dec 2023 17:34

Instrument :

MSVOA_Y

ClientSampleId :

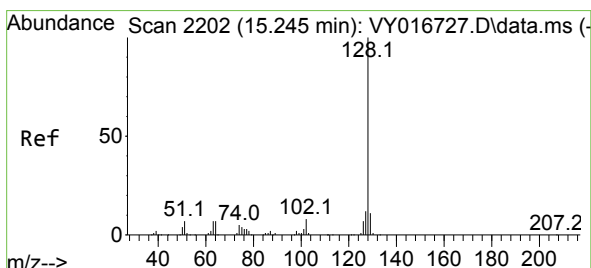
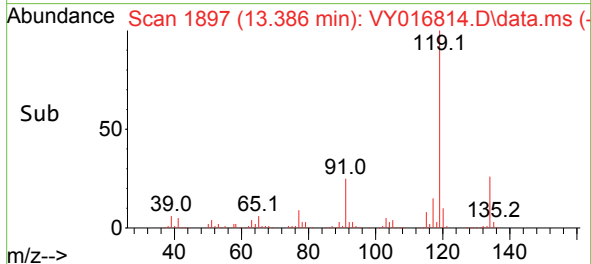
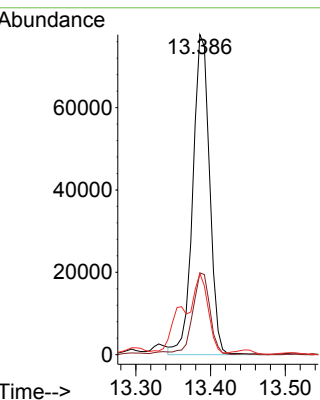
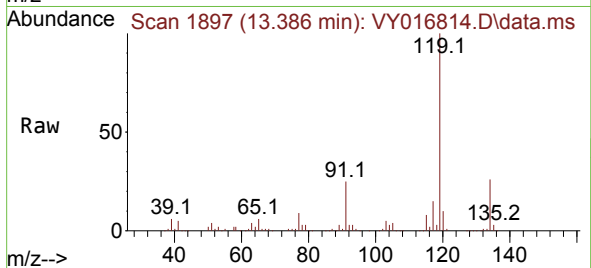
Tgt Ion:119 Resp: 121111

Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.1

91 23.4 11.7 35.0



#95

Naphthalene

Concen: 3.618 ug/l

RT: 15.257 min Scan# 2204

Delta R.T. 0.012 min

Lab File: VY016814.D

Acq: 22 Dec 2023 17:34

Tgt Ion:128 Resp: 79

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#

