

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016823.D
 Acq On : 22 Dec 2023 21:04
 Operator : SY/MD
 Sample : 05879-20
 Misc : 4.53g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:05:53 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)

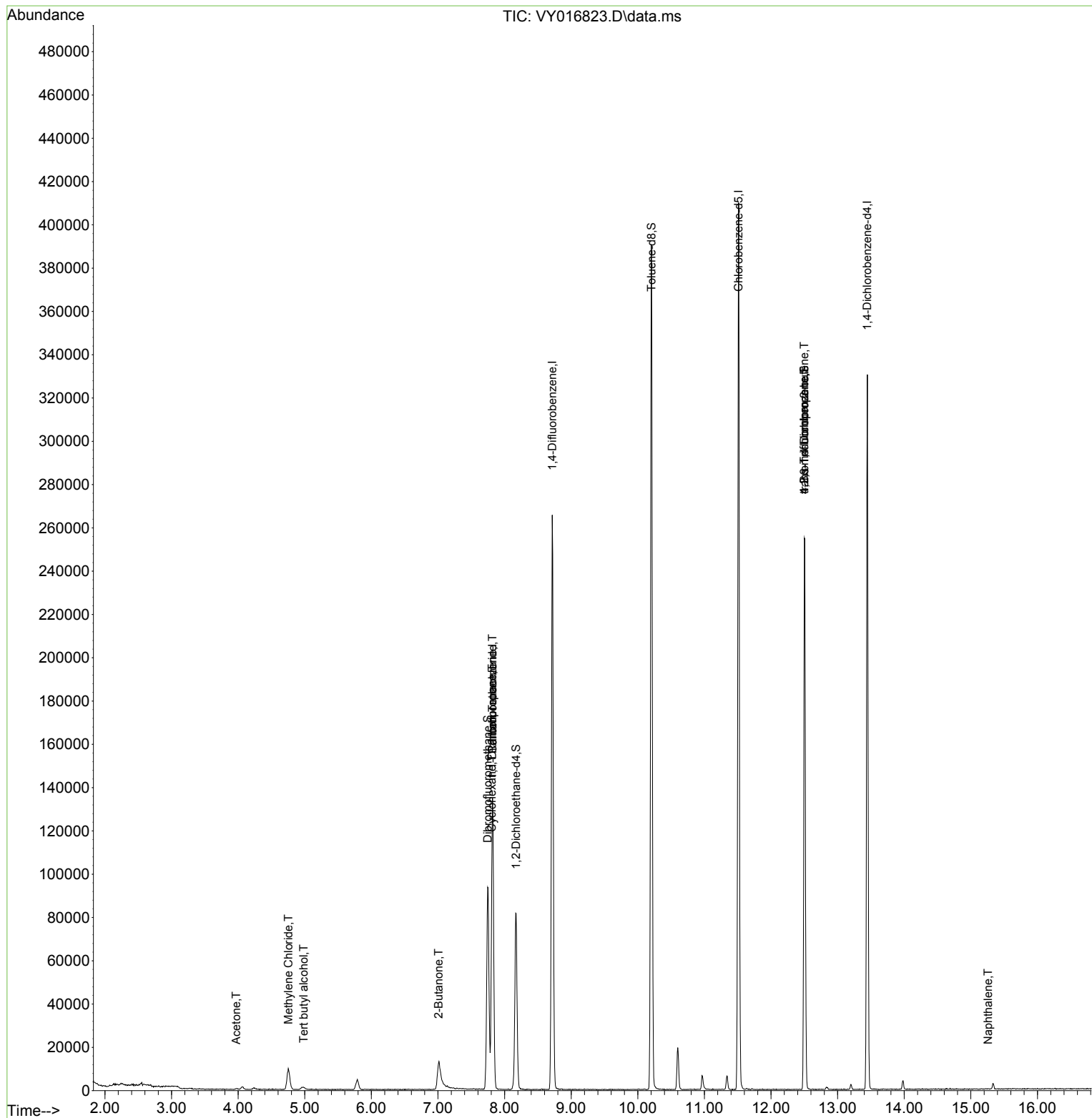
Internal Standards						
1) Pentafluorobenzene	7.819	168	100894	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.715	114	220262	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	217842	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	79369	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	63321	68.748	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.500%	
35) Dibromofluoromethane	7.746	113	68633	54.397	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.800%	
50) Toluene-d8	10.203	98	252918	55.607	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.220%	
62) 4-Bromofluorobenzene	12.501	95	78228	53.014	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.984	59	1088	14.407	ug/l #	75
16) Acetone	3.972	43	654	2.626	ug/l	98
20) Methylene Chloride	4.753	84	7206	2.858	ug/l #	83
25) 2-Butanone	7.008	43	760	2.216	ug/l #	48
31) Cyclohexane	7.807	56	2341	1.327	ug/l #	28
36) 1,1-Dichloropropene	7.813	75	9095	4.496	ug/l #	50
38) Carbon Tetrachloride	7.819	117	10444	5.218	ug/l #	17
76) 1,2,3-Trichloropropane	12.501	75	41509	47.310	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	41509	111.105	ug/l #	12
95) Naphthalene	15.257	128	100	3.630	ug/l #	69

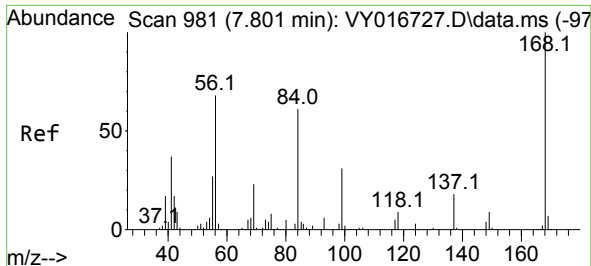
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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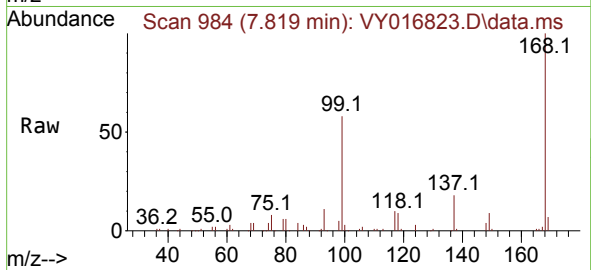
Quant Time: Dec 22 23:05:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
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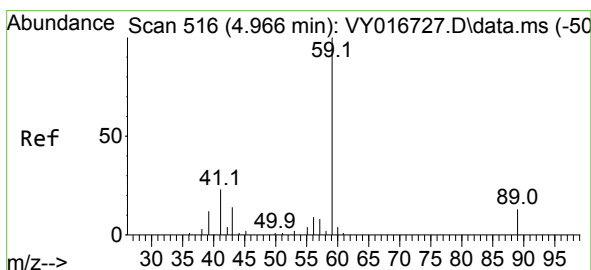
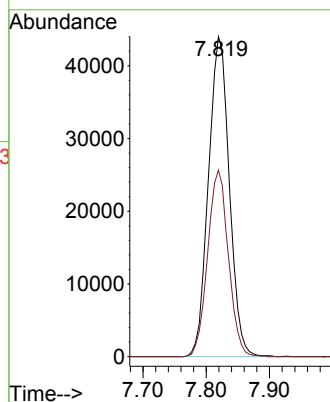
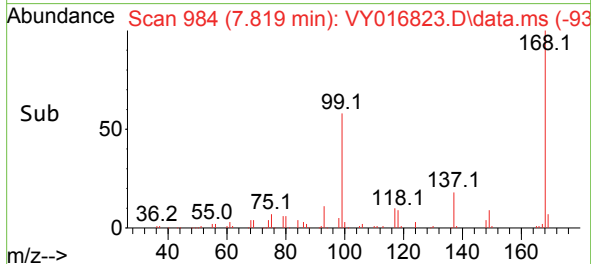


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016823.D
Acq: 22 Dec 2023 21:04

Instrument :
MSVOA_Y
ClientSampleId :

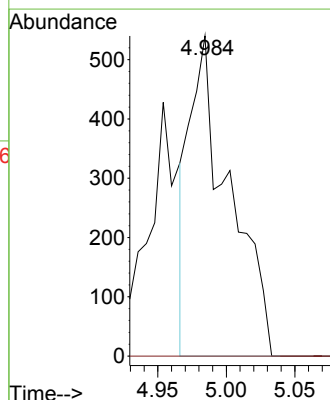
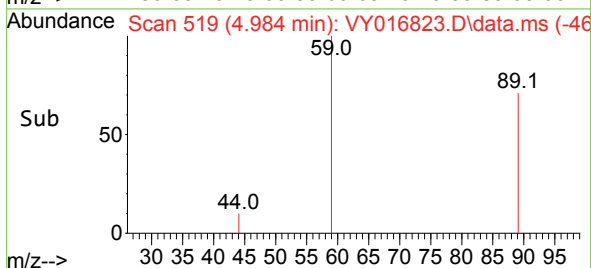
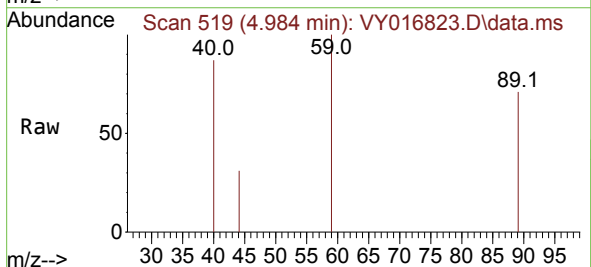


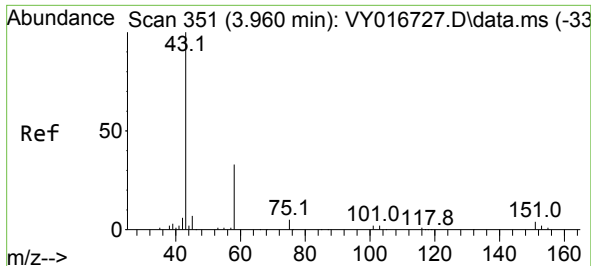
Tgt Ion:168 Resp: 100894
Ion Ratio Lower Upper
168 100
99 58.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 14.407 ug/l
RT: 4.984 min Scan# 519
Delta R.T. 0.018 min
Lab File: VY016823.D
Acq: 22 Dec 2023 21:04

Tgt Ion: 59 Resp: 1088
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

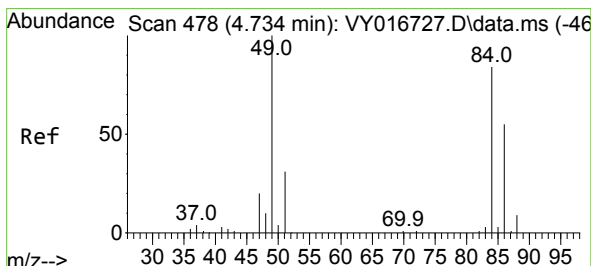
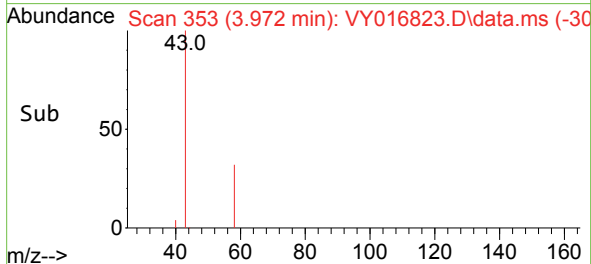
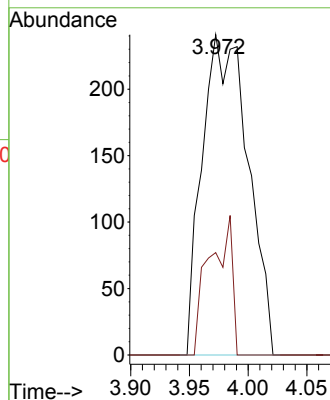
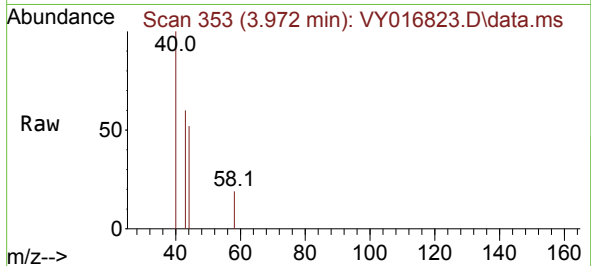




#16
Acetone
Concen: 2.626 ug/l
RT: 3.972 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY016823.D
Acq: 22 Dec 2023 21:04

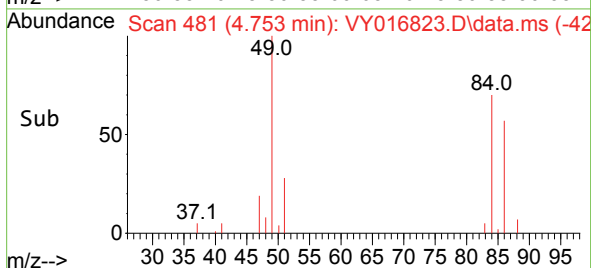
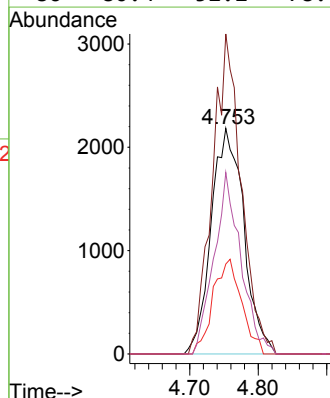
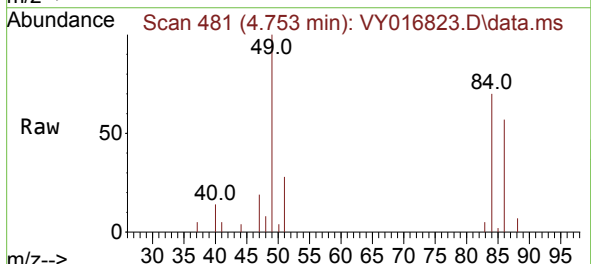
Instrument :
MSVOA_Y
ClientSampleId :

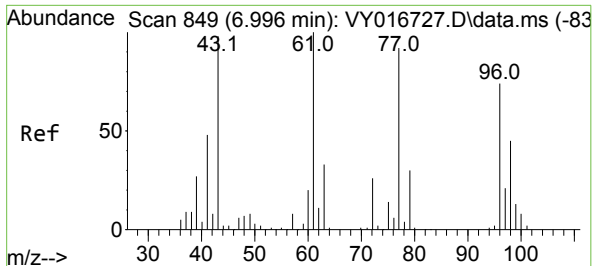
Tgt Ion: 43 Resp: 654
Ion Ratio Lower Upper
43 100
58 32.0 26.6 39.8



#20
Methylene Chloride
Concen: 2.858 ug/l
RT: 4.753 min Scan# 481
Delta R.T. 0.019 min
Lab File: VY016823.D
Acq: 22 Dec 2023 21:04

Tgt Ion: 84 Resp: 7206
Ion Ratio Lower Upper
84 100
49 141.9 95.2 142.8
51 39.9 29.9 44.9
86 80.4 52.2 78.4#





#25

2-Butanone

Concen: 2.216 ug/l

RT: 7.008 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY016823.D

Acq: 22 Dec 2023 21:04

Instrument :

MSVOA_Y

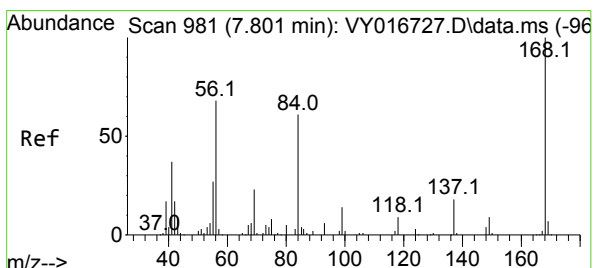
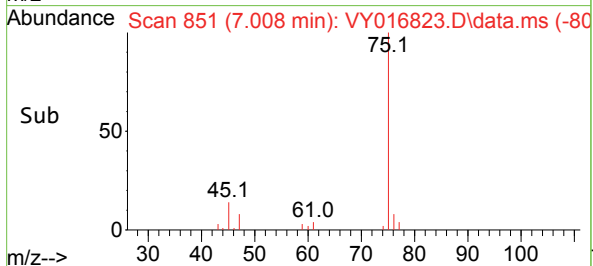
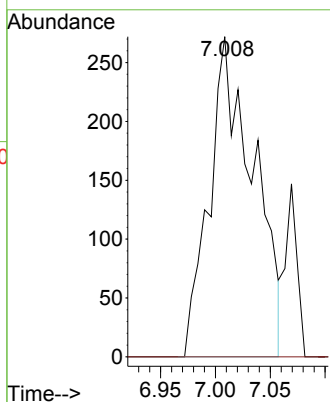
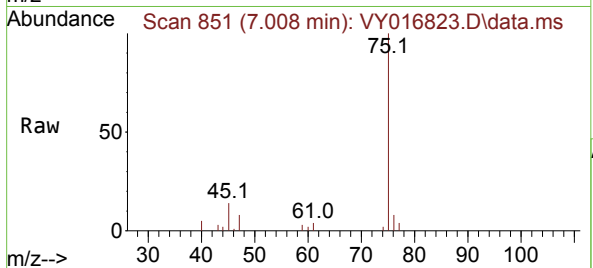
ClientSampleId :

Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.327 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY016823.D

Acq: 22 Dec 2023 21:04

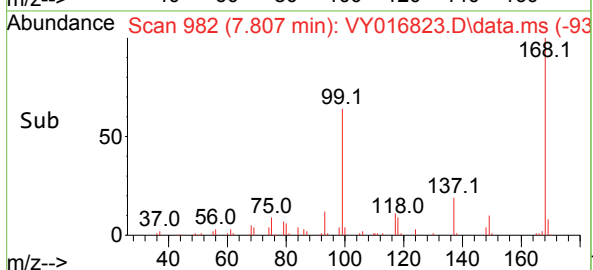
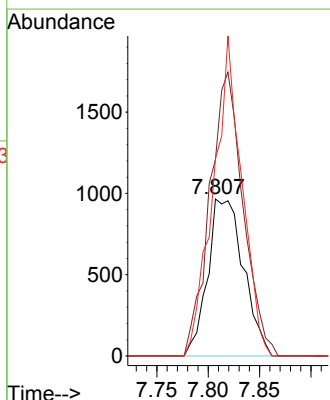
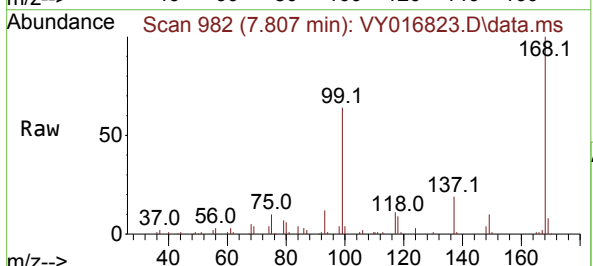
Tgt Ion: 56 Resp: 2341

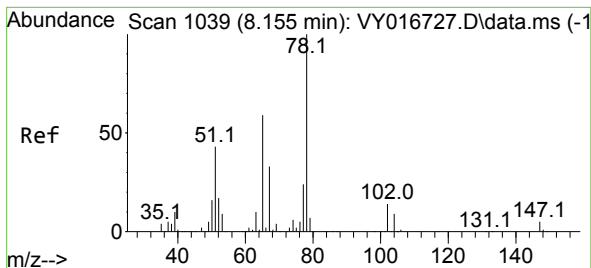
Ion Ratio Lower Upper

56 100

69 125.2 27.0 40.6#

84 125.9 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 68.748 ug/l

RT: 8.173 min Scan# 1103

Delta R.T. 0.018 min

Lab File: VY016823.D

Acq: 22 Dec 2023 21:04

Instrument :

MSVOA_Y

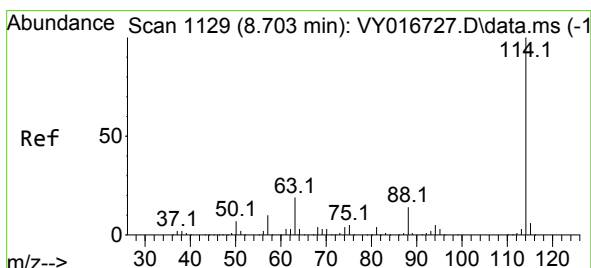
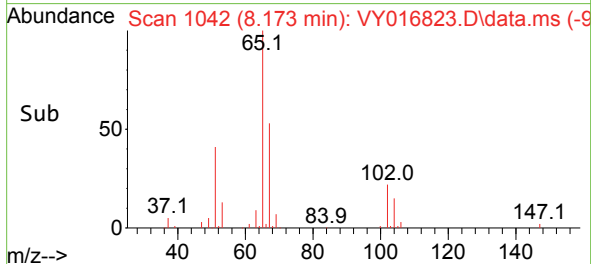
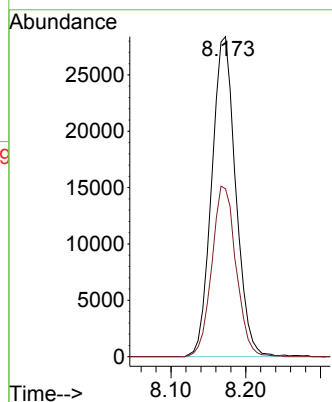
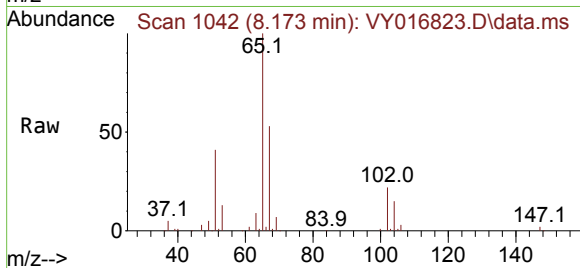
ClientSampleId :

Tgt Ion: 65 Resp: 63321

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.715 min Scan# 1131

Delta R.T. 0.012 min

Lab File: VY016823.D

Acq: 22 Dec 2023 21:04

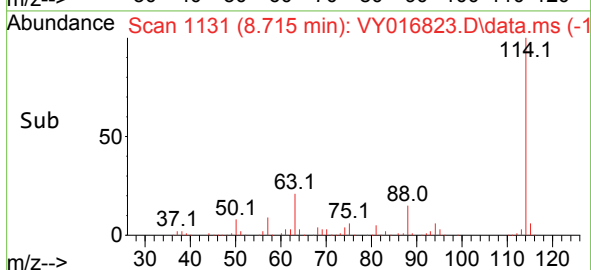
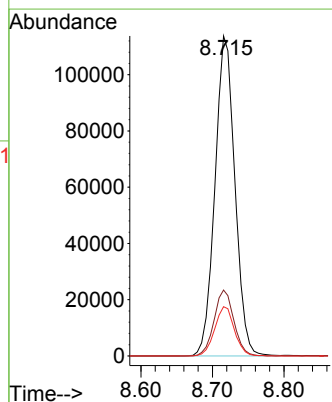
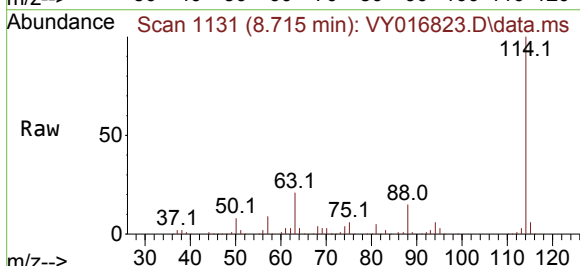
Tgt Ion: 114 Resp: 220262

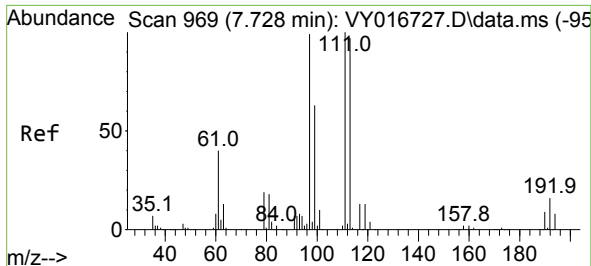
Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

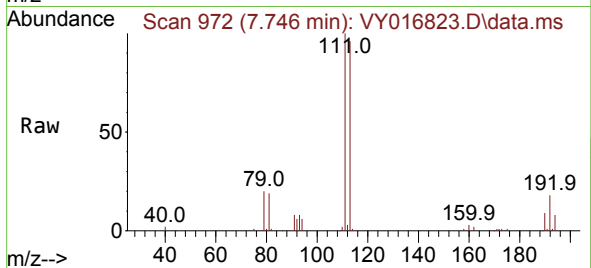
88 15.4 0.0 29.0



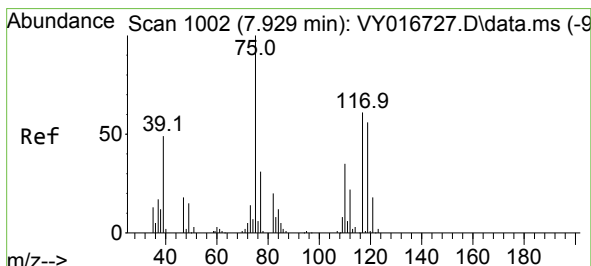
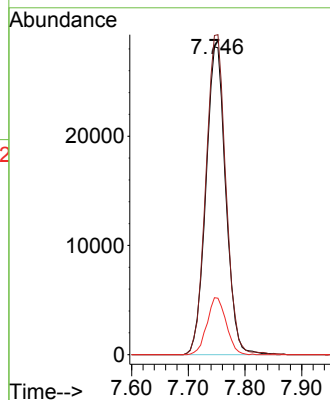
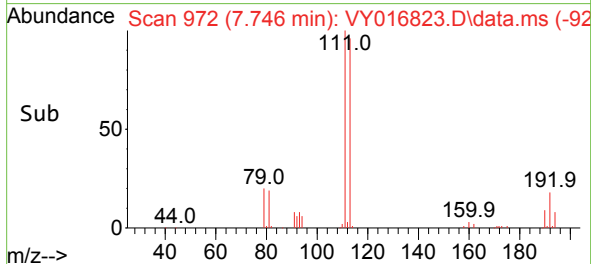


#35
Dibromofluoromethane
Concen: 54.397 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016823.D
Acq: 22 Dec 2023 21:04

Instrument :
MSVOA_Y
ClientSampleId :

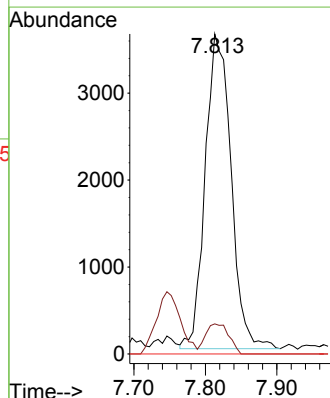
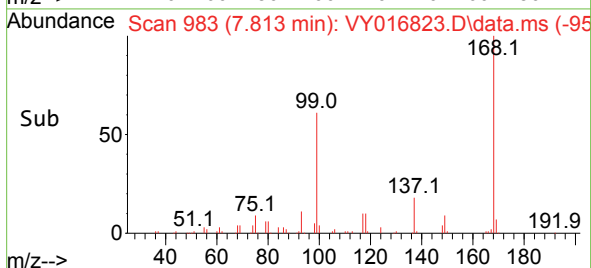
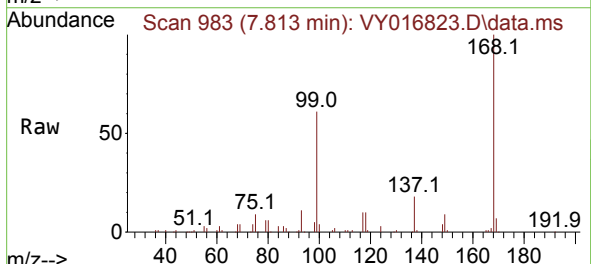


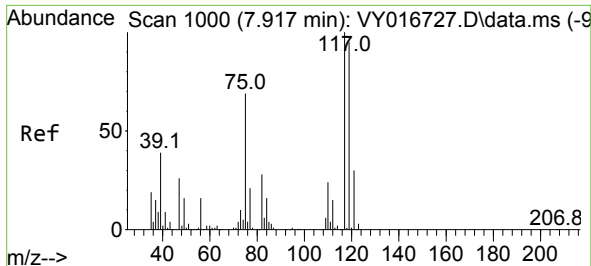
Tgt Ion:113 Resp: 68633
Ion Ratio Lower Upper
113 100
111 104.6 83.8 125.6
192 18.0 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.496 ug/l
RT: 7.813 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY016823.D
Acq: 22 Dec 2023 21:04

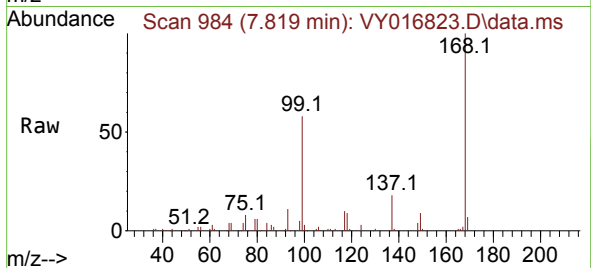
Tgt Ion: 75 Resp: 9095
Ion Ratio Lower Upper
75 100
110 8.6 17.4 52.3#
77 0.0 24.7 37.1#



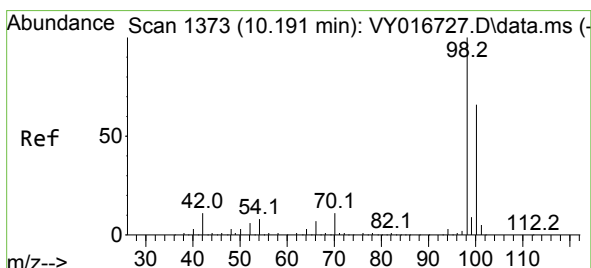
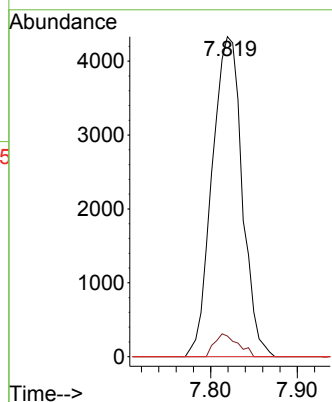
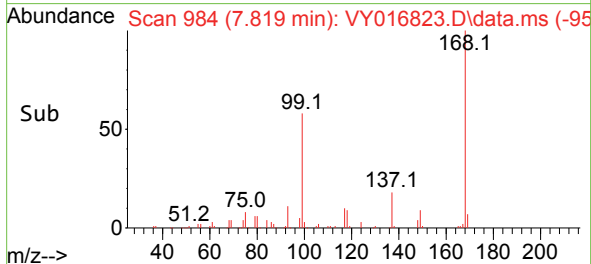


#38
Carbon Tetrachloride
Concen: 5.218 ug/l
RT: 7.819 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY016823.D
Acq: 22 Dec 2023 21:04

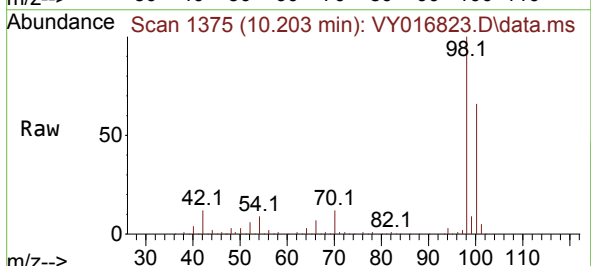
Instrument :
MSVOA_Y
ClientSampleId :



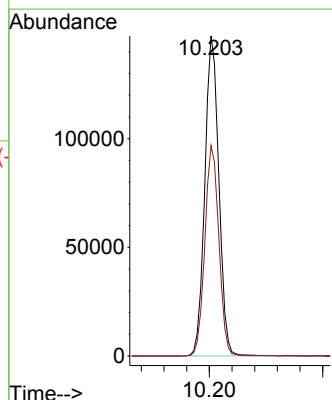
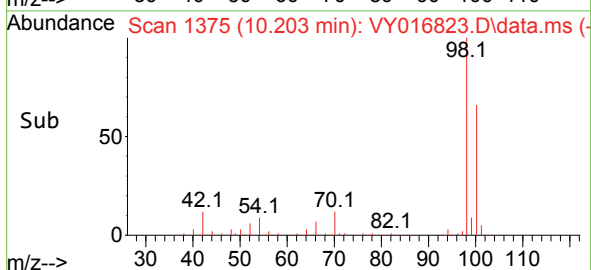
Tgt Ion:117 Resp: 10444
Ion Ratio Lower Upper
117 100
119 6.4 76.0 114.0#
121 0.0 24.2 36.2#

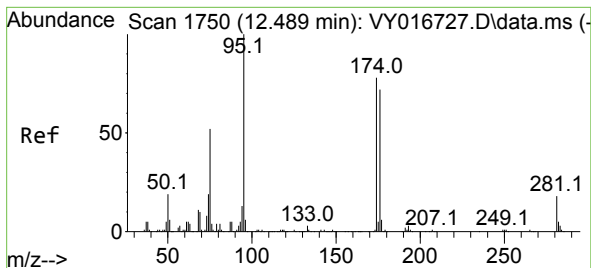


#50
Toluene-d8
Concen: 55.607 ug/l
RT: 10.203 min Scan# 1375
Delta R.T. 0.012 min
Lab File: VY016823.D
Acq: 22 Dec 2023 21:04



Tgt Ion: 98 Resp: 252918
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5

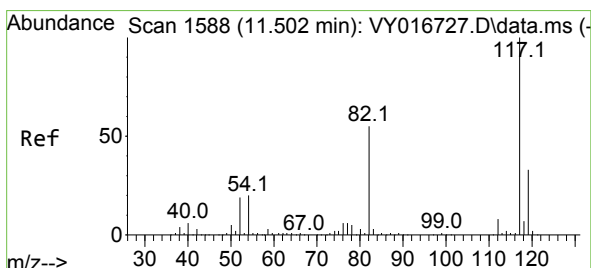
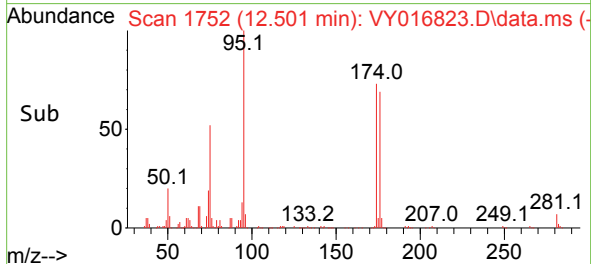
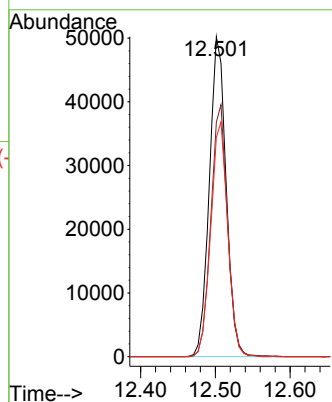
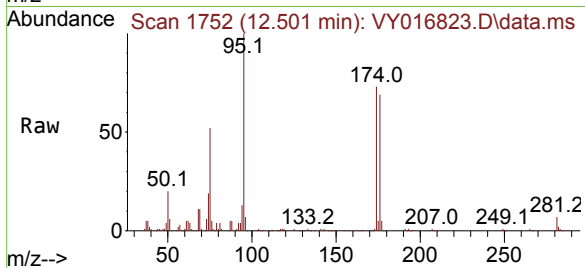




#62
4-Bromofluorobenzene
Concen: 53.014 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.012 min
Lab File: VY016823.D
Acq: 22 Dec 2023 21:04

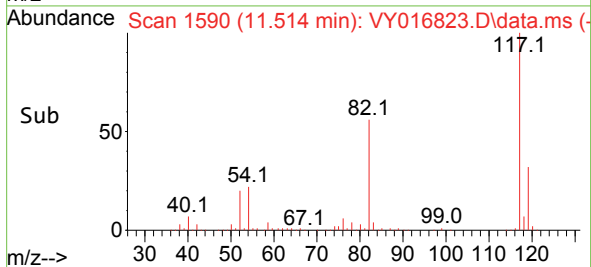
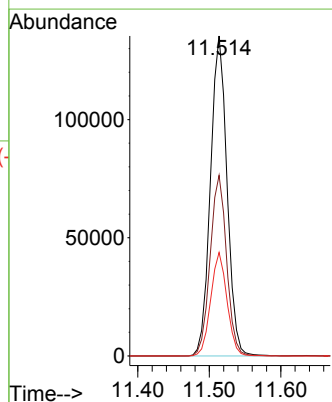
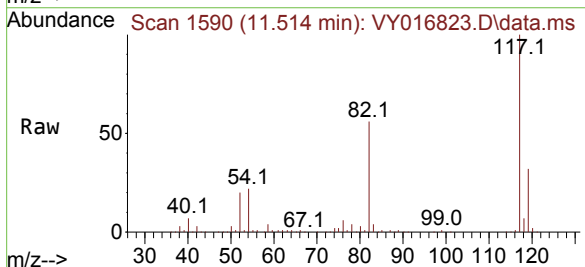
Instrument :
MSVOA_Y
ClientSampleId :

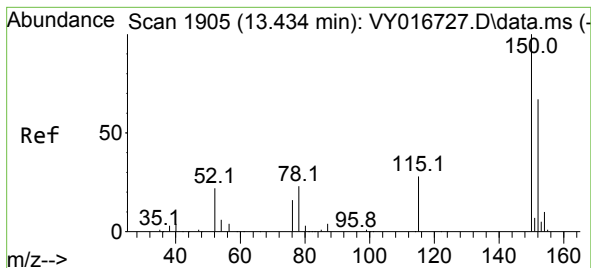
Tgt Ion: 95 Resp: 78228
Ion Ratio Lower Upper
95 100
174 78.4 0.0 160.0
176 74.1 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016823.D
Acq: 22 Dec 2023 21:04

Tgt Ion: 117 Resp: 217842
Ion Ratio Lower Upper
117 100
82 56.5 43.8 65.8
119 32.4 26.5 39.7

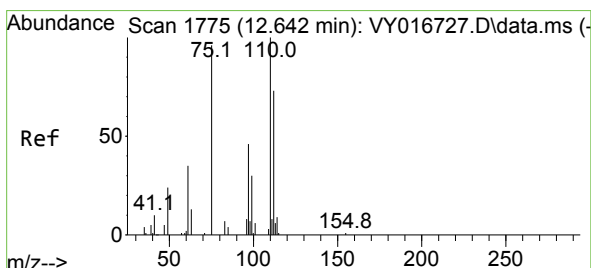
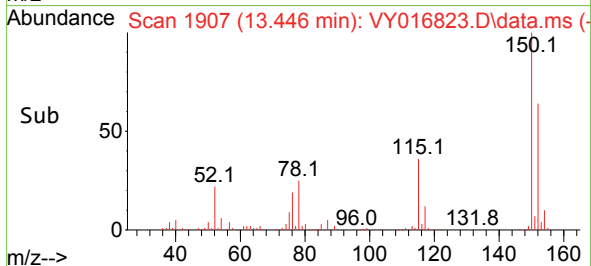
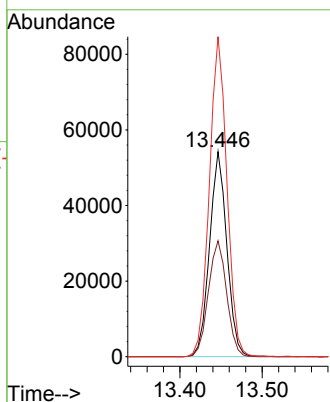
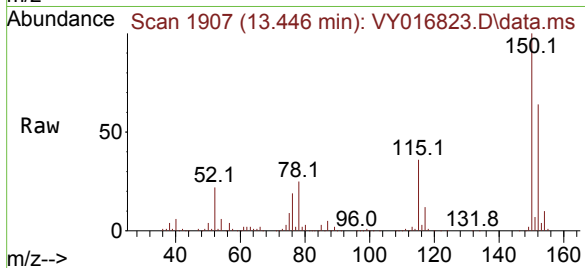




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.446 min Scan# 1905
 Delta R.T. 0.012 min
 Lab File: VY016823.D
 Acq: 22 Dec 2023 21:04

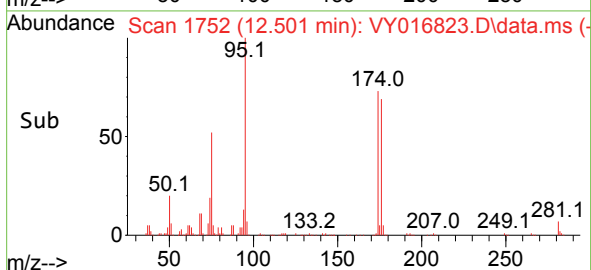
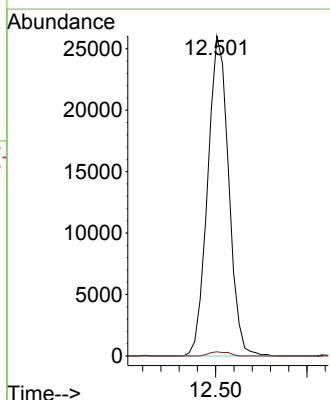
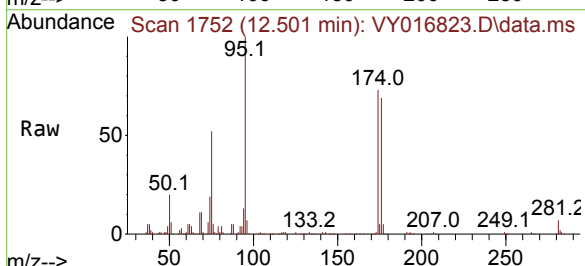
Instrument :
 MSVOA_Y
 ClientSampleId :

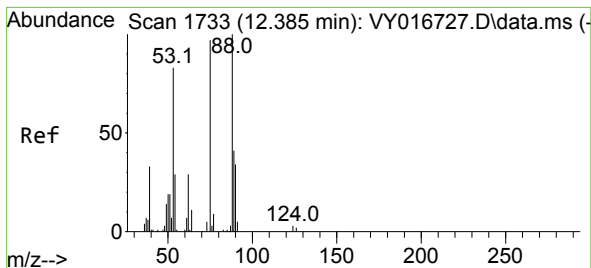
Tgt Ion:152 Resp: 79369
 Ion Ratio Lower Upper
 152 100
 115 59.7 30.0 90.0
 150 158.3 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 47.310 ug/l
 RT: 12.501 min Scan# 1752
 Delta R.T. -0.140 min
 Lab File: VY016823.D
 Acq: 22 Dec 2023 21:04

Tgt Ion: 75 Resp: 41509
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

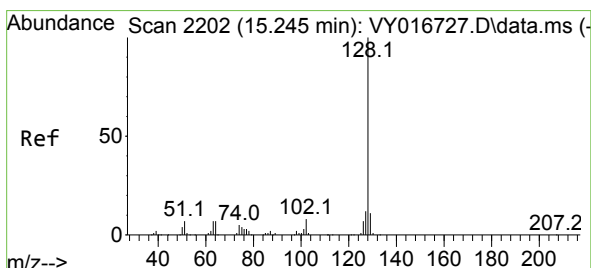
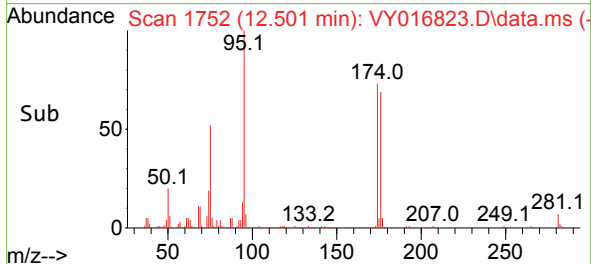
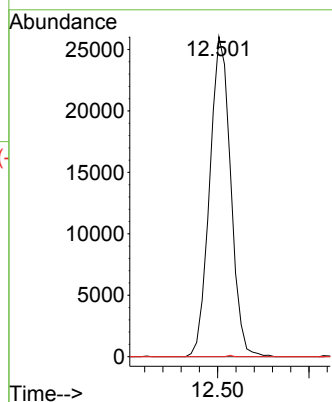
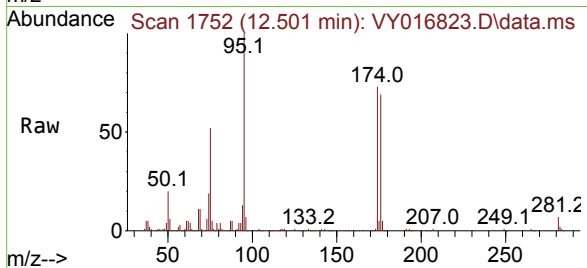




#81
trans-1,4-Dichloro-2-butene
Concen: 111.105 ug/l
RT: 12.501 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016823.D
Acq: 22 Dec 2023 21:04

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 41509
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#



#95
Naphthalene
Concen: 3.630 ug/l
RT: 15.257 min Scan# 2204
Delta R.T. 0.012 min
Lab File: VY016823.D
Acq: 22 Dec 2023 21:04

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

