

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016827.D
 Acq On : 22 Dec 2023 22:38
 Operator : SY/MD
 Sample : 05957-04
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 23 00:55:49 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)

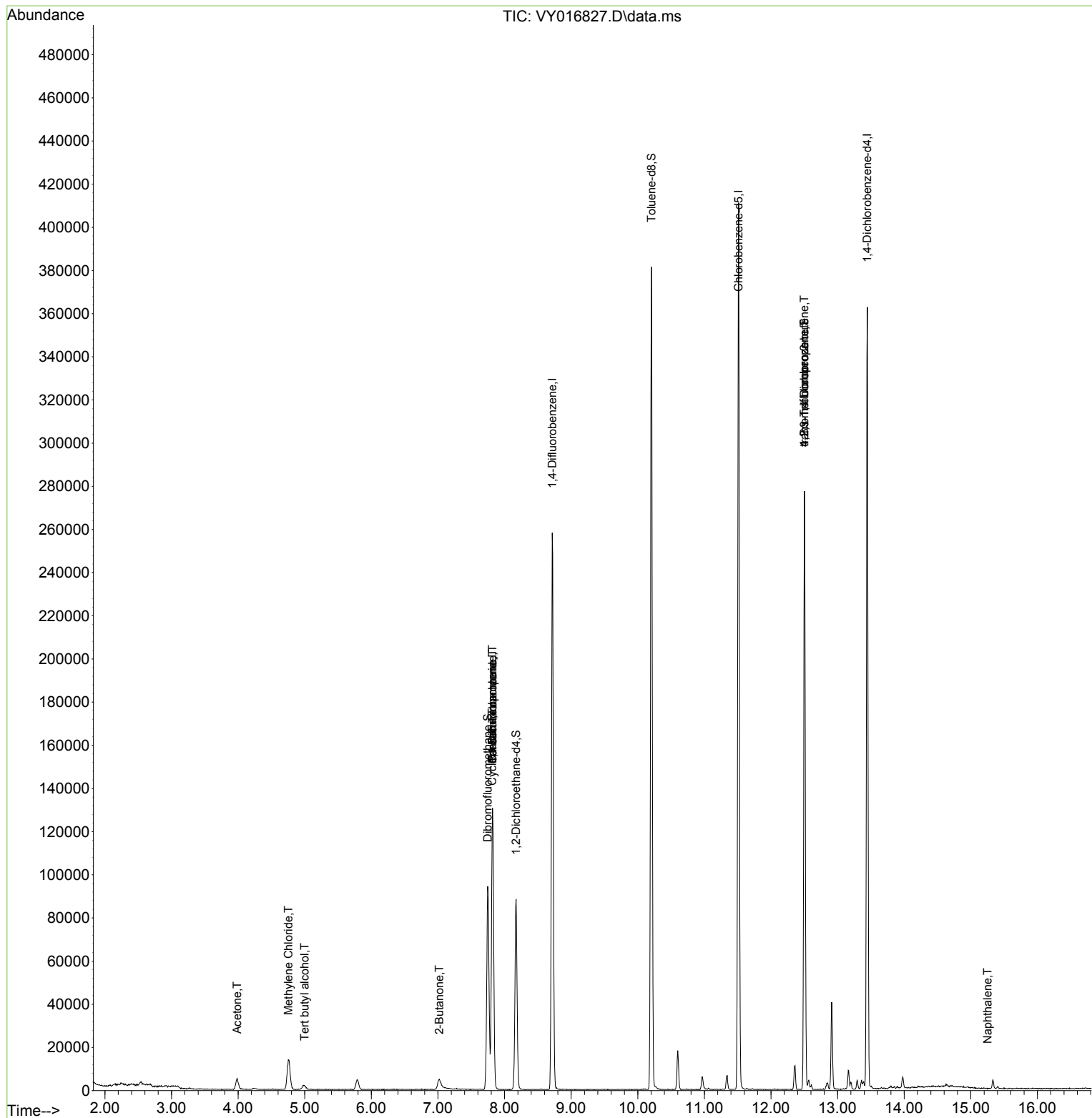
Internal Standards						
1) Pentafluorobenzene	7.820	168	99195	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	217971	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	222913	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	88679	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	65990	72.873	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.740%	
35) Dibromofluoromethane	7.746	113	68746	55.059	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.120%	
50) Toluene-d8	10.203	98	248243	55.152	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.300%	
62) 4-Bromofluorobenzene	12.502	95	82313	56.368	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.997	59	3441	46.346	ug/l #	76
16) Acetone	3.985	43	9066	37.024	ug/l	93
20) Methylene Chloride	4.753	84	10811	5.895	ug/l	98
25) 2-Butanone	7.021	43	381	1.130	ug/l #	48
31) Cyclohexane	7.813	56	2233	1.287	ug/l #	1
36) 1,1-Dichloropropene	7.820	75	9267	4.630	ug/l #	49
38) Carbon Tetrachloride	7.820	117	9894	4.995	ug/l #	17
76) 1,2,3-Trichloropropane	12.502	75	44290	45.180	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.502	75	44290	106.103	ug/l #	12
95) Naphthalene	15.251	128	27	3.603	ug/l #	69

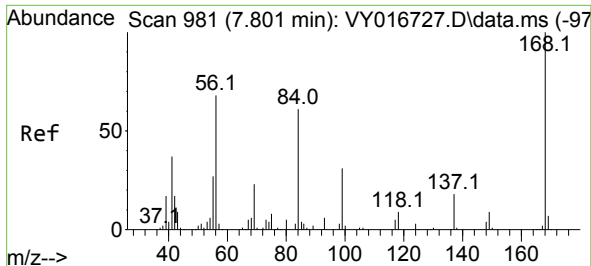
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
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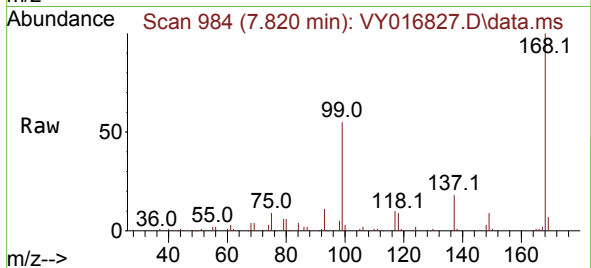
Quant Time: Dec 23 00:55:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
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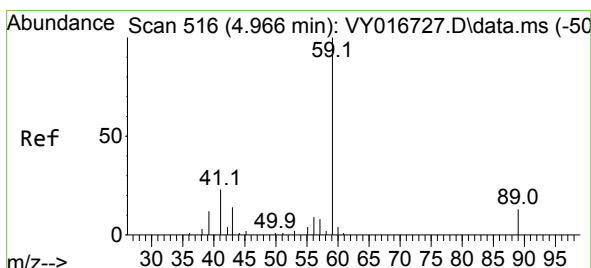
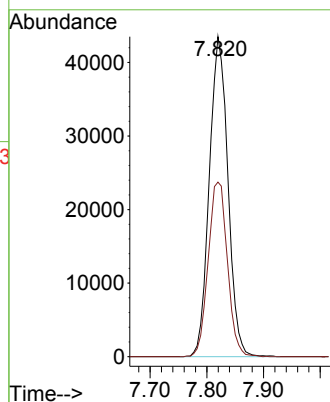
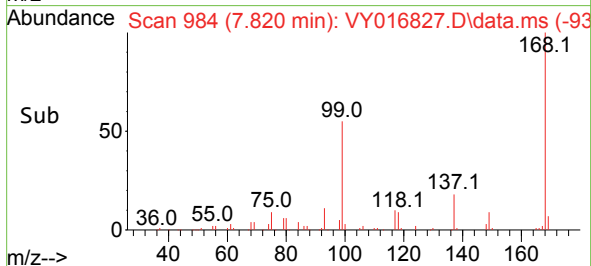


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.820 min Scan# 91
Delta R.T. 0.019 min
Lab File: VY016827.D
Acq: 22 Dec 2023 22:38

Instrument :
MSVOA_Y
ClientSampleId :

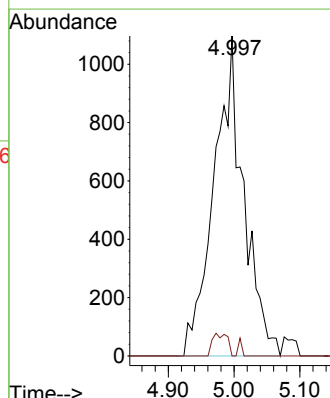
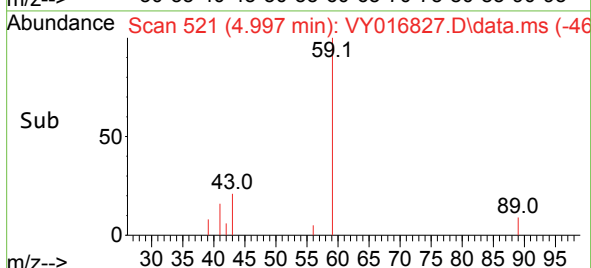
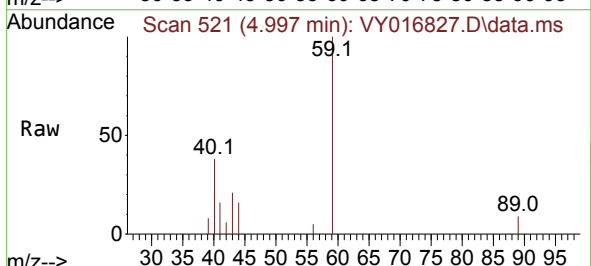


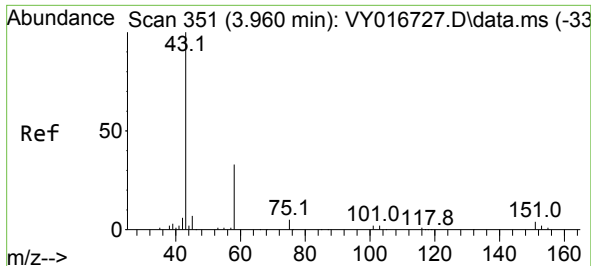
Tgt Ion:168 Resp: 99195
Ion Ratio Lower Upper
168 100
99 54.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 46.346 ug/l
RT: 4.997 min Scan# 521
Delta R.T. 0.031 min
Lab File: VY016827.D
Acq: 22 Dec 2023 22:38

Tgt Ion: 59 Resp: 3441
Ion Ratio Lower Upper
59 100
57 0.6 7.4 11.0#





#16

Acetone

Concen: 37.024 ug/l

RT: 3.985 min Scan# 3

Delta R.T. 0.025 min

Lab File: VY016827.D

Acq: 22 Dec 2023 22:38

Instrument :

MSVOA_Y

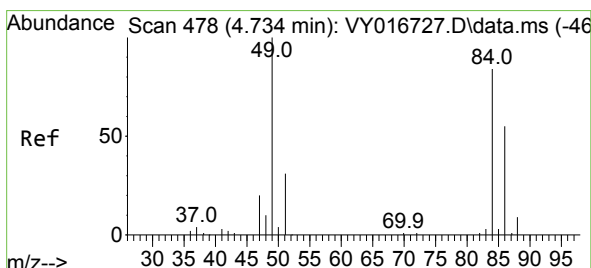
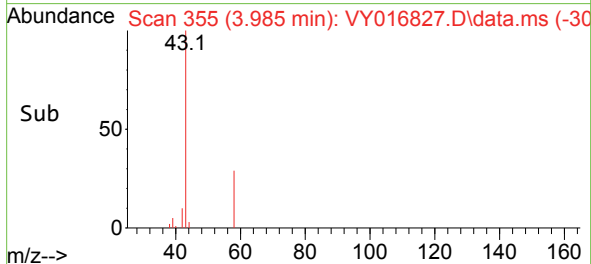
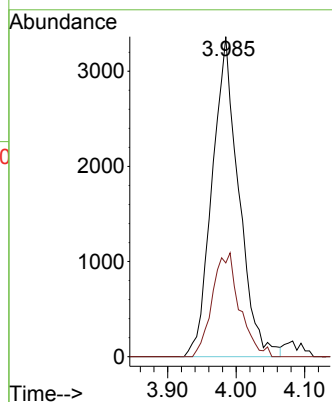
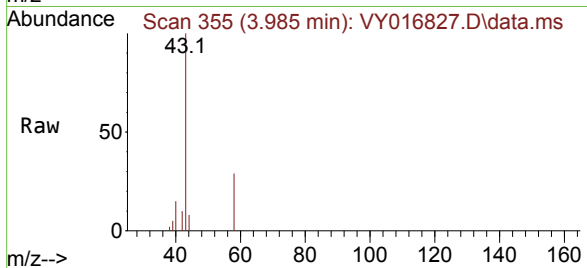
ClientSampleId :

Tgt Ion: 43 Resp: 9066

Ion Ratio Lower Upper

43 100

58 29.3 26.6 39.8



#20

Methylene Chloride

Concen: 5.895 ug/l

RT: 4.753 min Scan# 481

Delta R.T. 0.019 min

Lab File: VY016827.D

Acq: 22 Dec 2023 22:38

Tgt Ion: 84 Resp: 10811

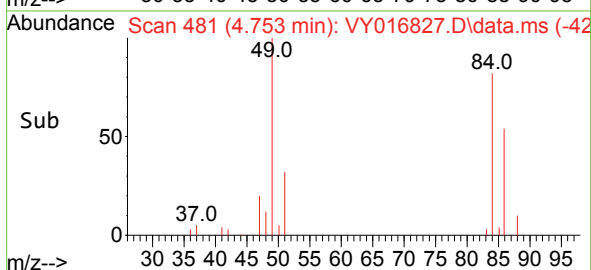
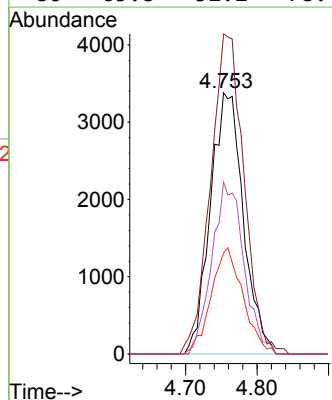
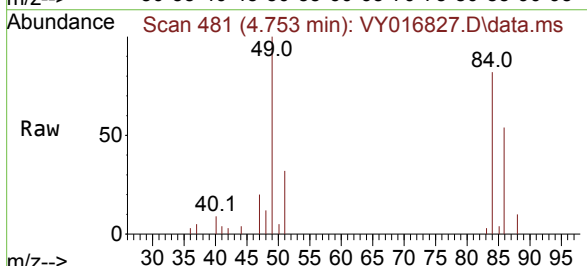
Ion Ratio Lower Upper

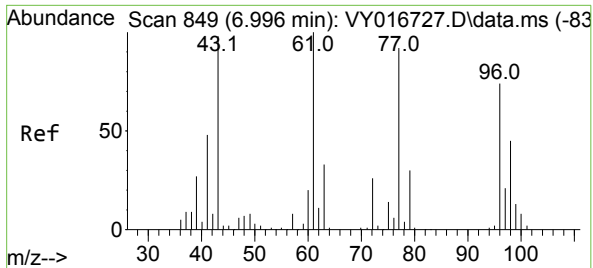
84 100

49 122.5 95.2 142.8

51 38.7 29.9 44.9

86 65.8 52.2 78.4





#25

2-Butanone

Concen: 1.130 ug/l

RT: 7.021 min Scan# 8

Delta R.T. 0.025 min

Lab File: VY016827.D

Acq: 22 Dec 2023 22:38

Instrument :

MSVOA_Y

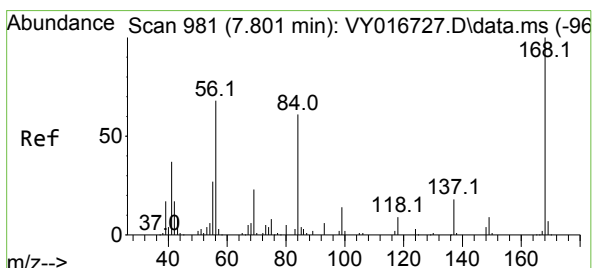
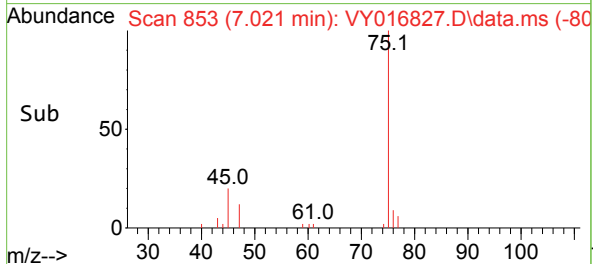
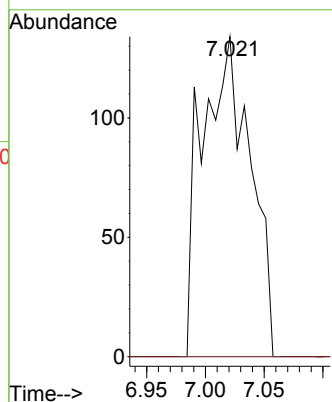
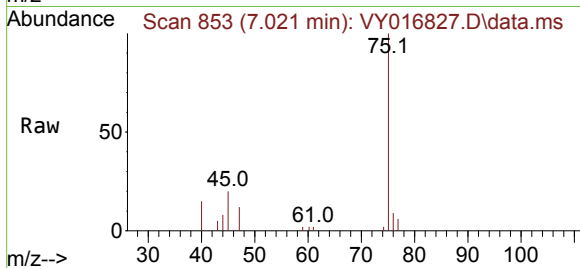
ClientSampleId :

Tgt Ion: 43 Resp: 381

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.287 ug/l

RT: 7.813 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY016827.D

Acq: 22 Dec 2023 22:38

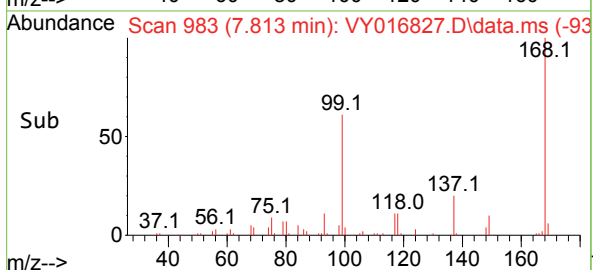
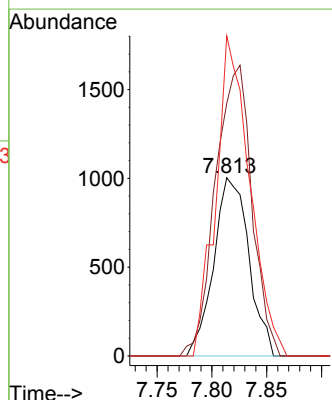
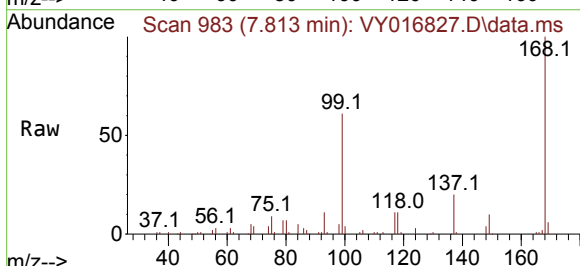
Tgt Ion: 56 Resp: 2233

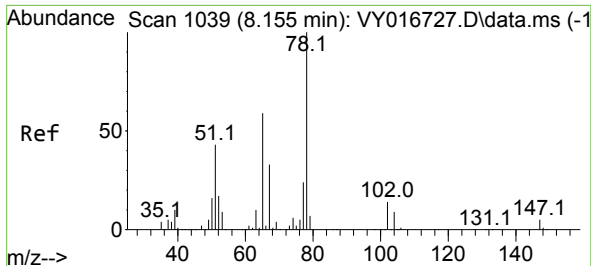
Ion Ratio Lower Upper

56 100

69 141.7 27.0 40.6#

84 179.5 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 72.873 ug/l

RT: 8.173 min Scan# 110

Delta R.T. 0.019 min

Lab File: VY016827.D

Acq: 22 Dec 2023 22:38

Instrument :

MSVOA_Y

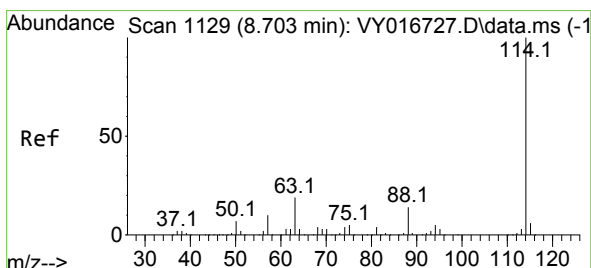
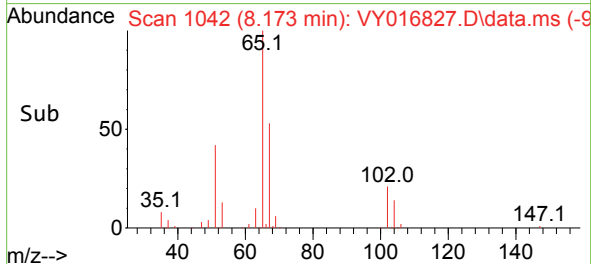
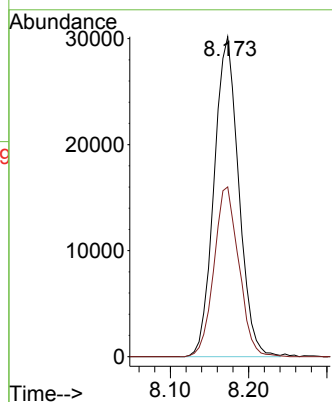
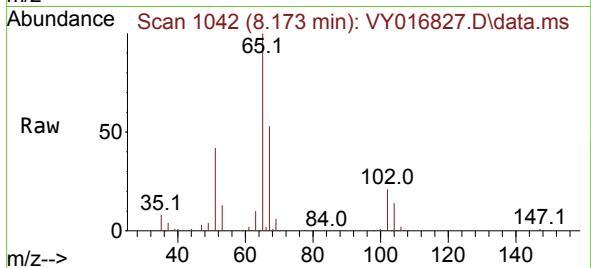
ClientSampleId :

Tgt Ion: 65 Resp: 65990

Ion Ratio Lower Upper

65 100

67 53.5 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: VY016827.D

Acq: 22 Dec 2023 22:38

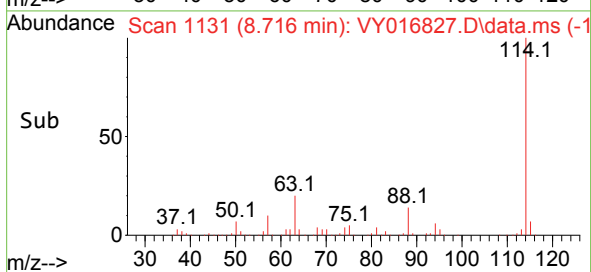
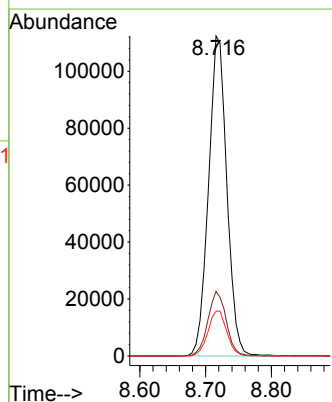
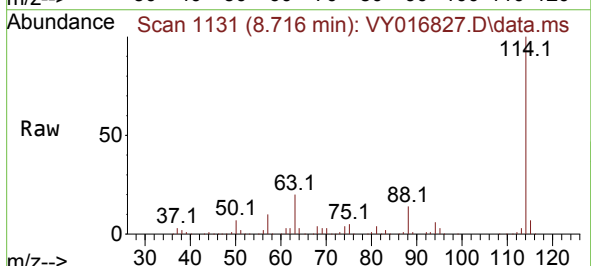
Tgt Ion: 114 Resp: 217971

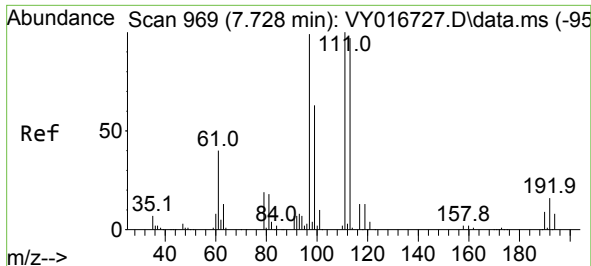
Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

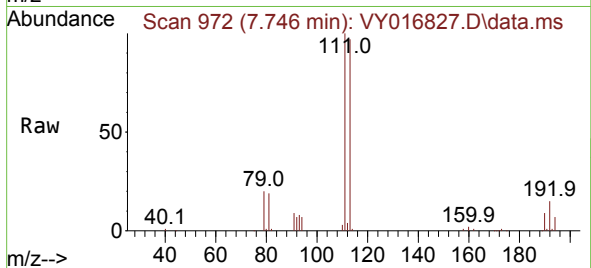
88 14.0 0.0 29.0



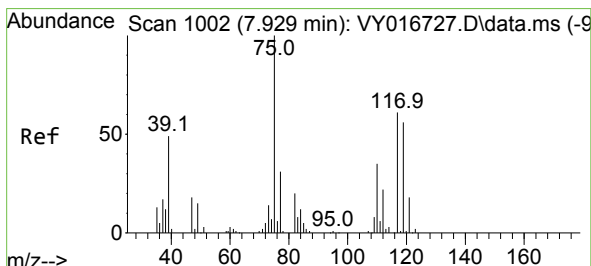
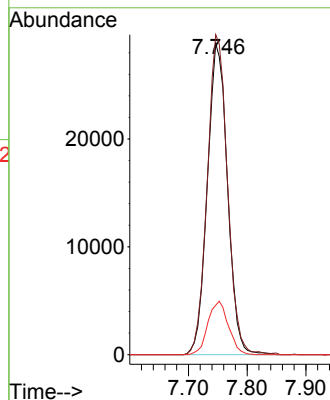
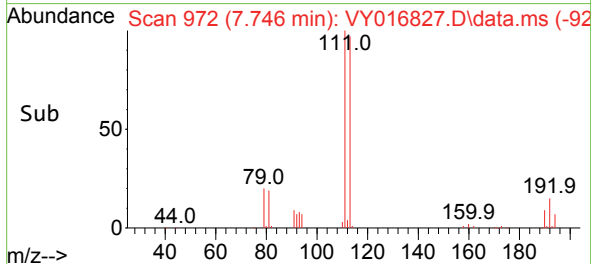


#35
Dibromofluoromethane
Concen: 55.059 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.019 min
Lab File: VY016827.D
Acq: 22 Dec 2023 22:38

Instrument :
MSVOA_Y
ClientSampleId :

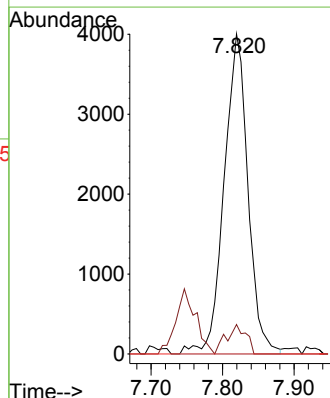
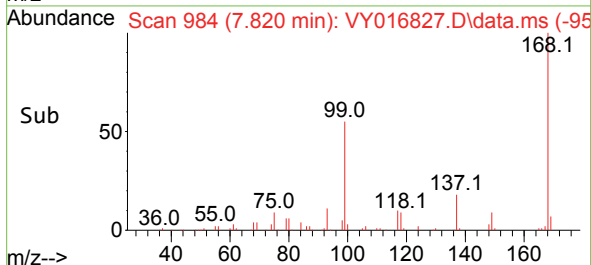
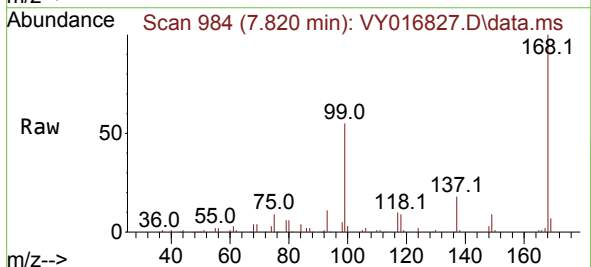


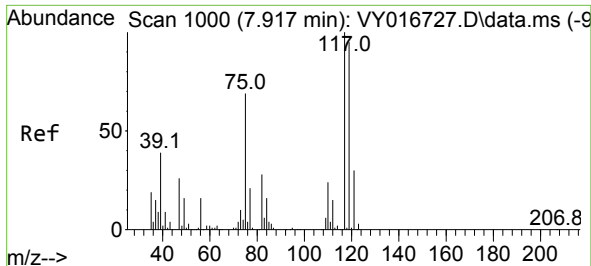
Tgt Ion:113 Resp: 68746
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 17.5 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.630 ug/l
RT: 7.820 min Scan# 984
Delta R.T. -0.109 min
Lab File: VY016827.D
Acq: 22 Dec 2023 22:38

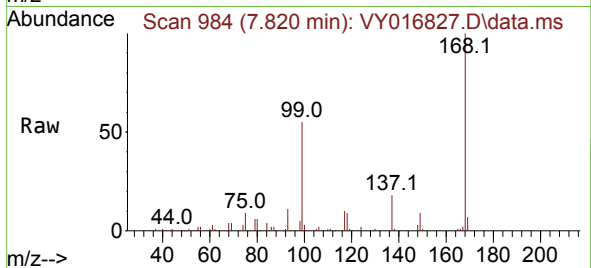
Tgt Ion: 75 Resp: 9267
Ion Ratio Lower Upper
75 100
110 7.5 17.4 52.3#
77 0.0 24.7 37.1#



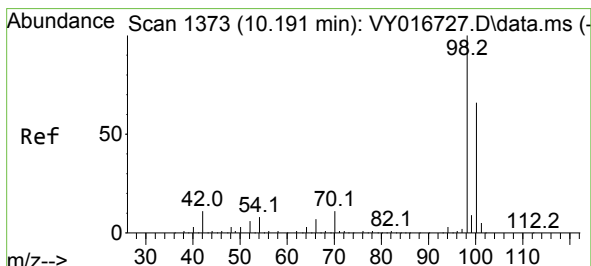
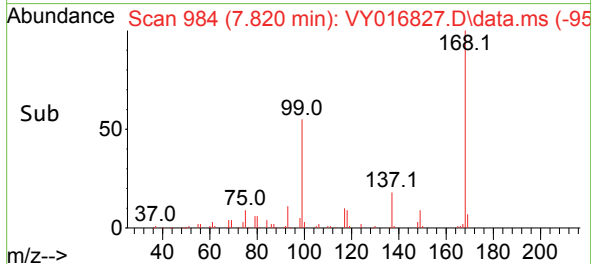
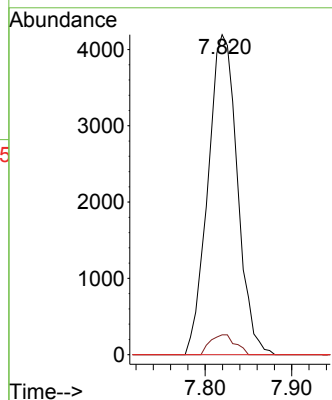


#38
Carbon Tetrachloride
Concen: 4.995 ug/l
RT: 7.820 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY016827.D
Acq: 22 Dec 2023 22:38

Instrument :
MSVOA_Y
ClientSampleId :

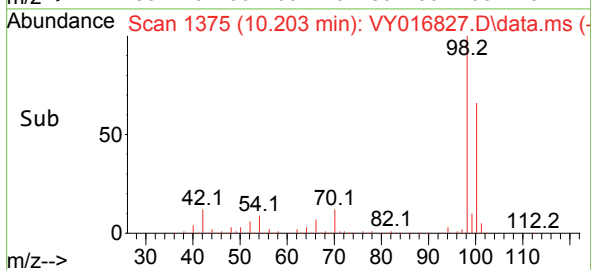
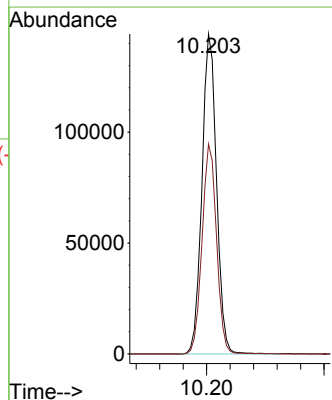
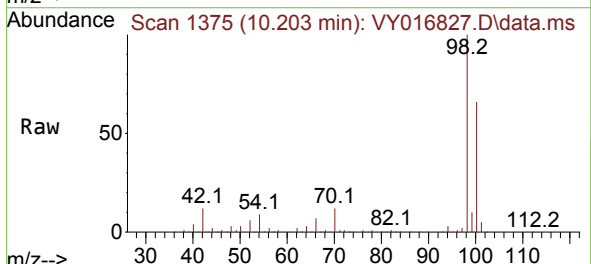


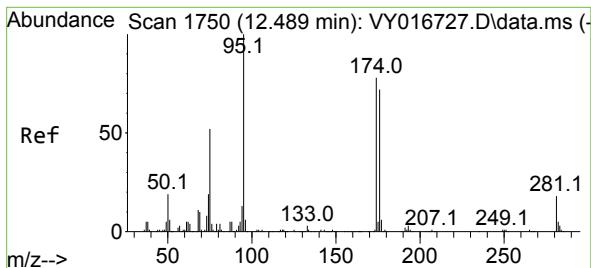
Tgt Ion:117 Resp: 9894
Ion Ratio Lower Upper
117 100
119 6.2 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 55.152 ug/l
RT: 10.203 min Scan# 1375
Delta R.T. 0.012 min
Lab File: VY016827.D
Acq: 22 Dec 2023 22:38

Tgt Ion: 98 Resp: 248243
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 56.368 ug/l

RT: 12.502 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY016827.D

Acq: 22 Dec 2023 22:38

Instrument :

MSVOA_Y

ClientSampleId :

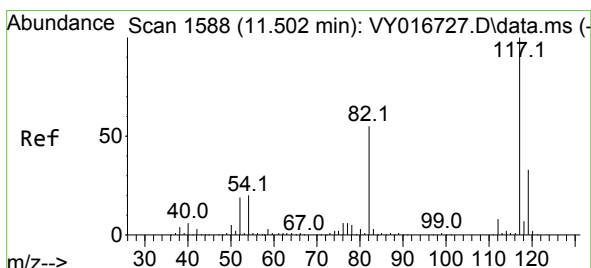
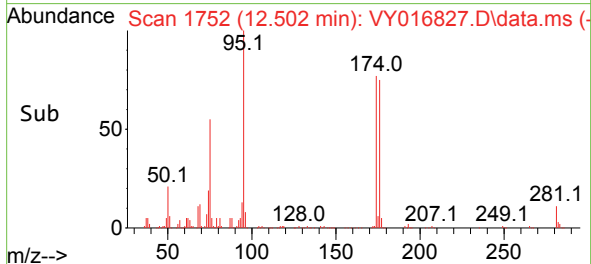
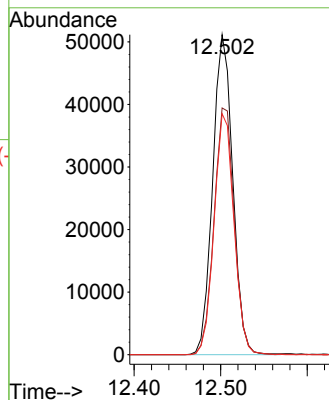
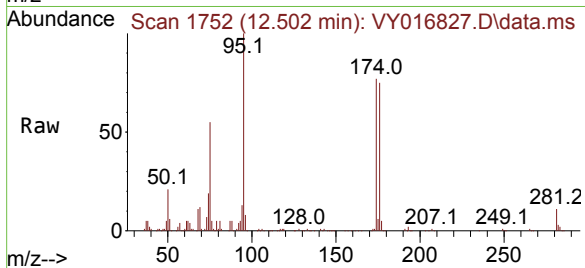
Tgt Ion: 95 Resp: 82313

Ion Ratio Lower Upper

95 100

174 78.1 0.0 160.0

176 74.7 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: VY016827.D

Acq: 22 Dec 2023 22:38

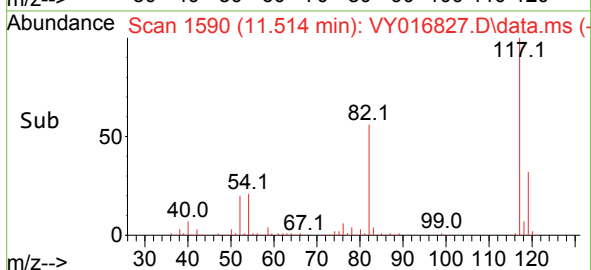
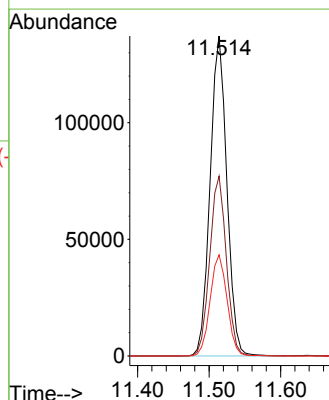
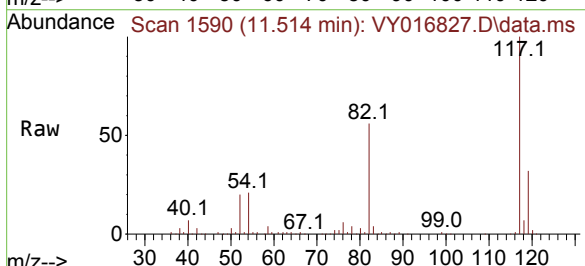
Tgt Ion: 117 Resp: 222913

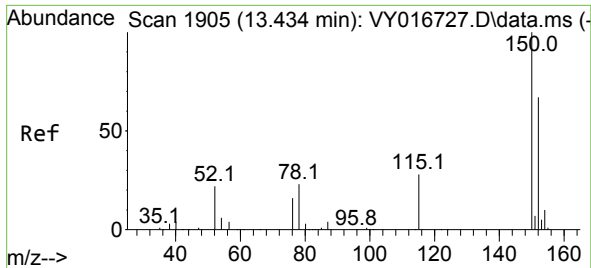
Ion Ratio Lower Upper

117 100

82 56.2 43.8 65.8

119 31.6 26.5 39.7

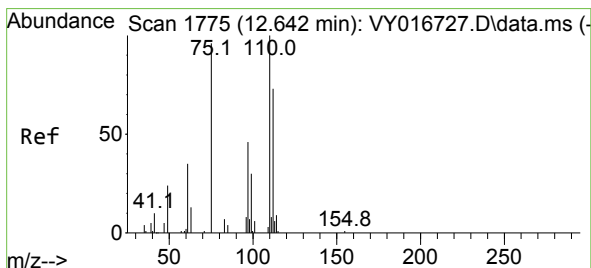
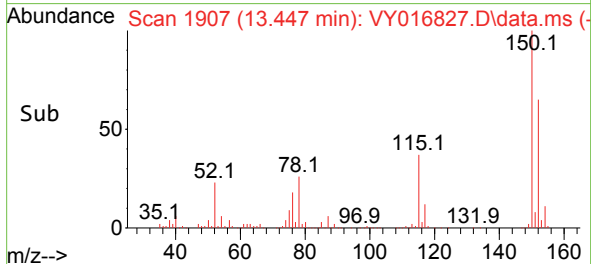
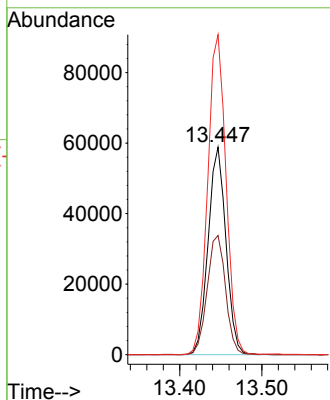
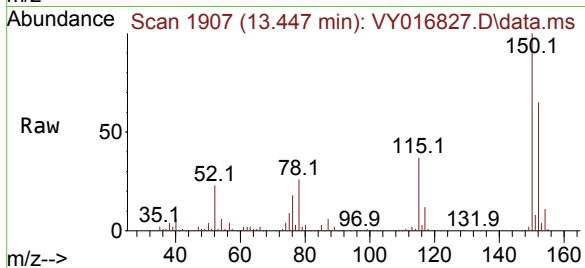




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.447 min Scan# 1905
 Delta R.T. 0.012 min
 Lab File: VY016827.D
 Acq: 22 Dec 2023 22:38

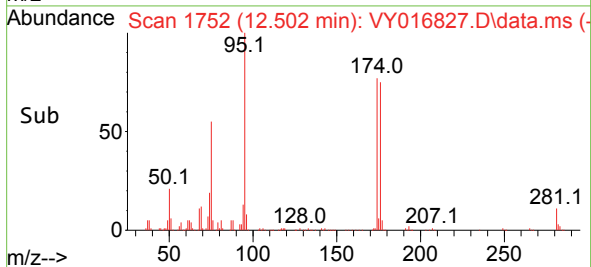
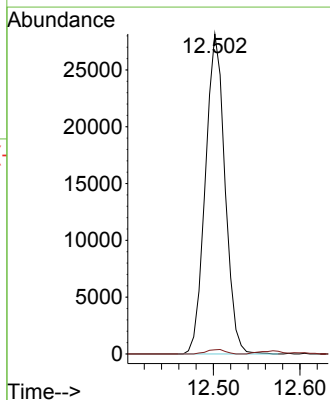
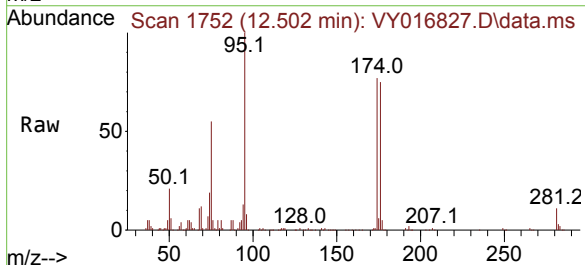
Instrument :
 MSVOA_Y
 ClientSampleId :

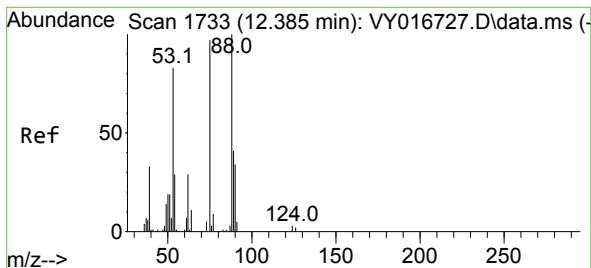
Tgt Ion:152 Resp: 88679
 Ion Ratio Lower Upper
 152 100
 115 59.3 30.0 90.0
 150 158.0 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 45.180 ug/l
 RT: 12.502 min Scan# 1752
 Delta R.T. -0.140 min
 Lab File: VY016827.D
 Acq: 22 Dec 2023 22:38

Tgt Ion: 75 Resp: 44290
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

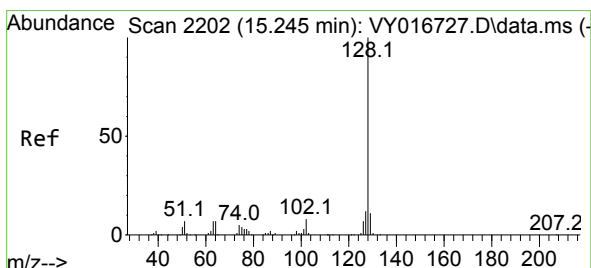
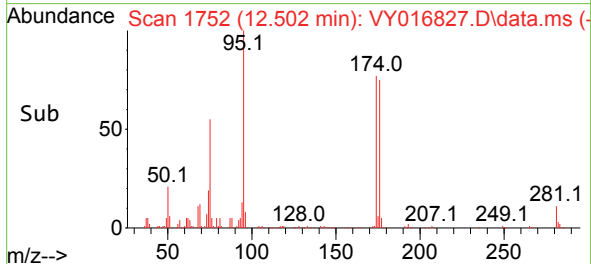
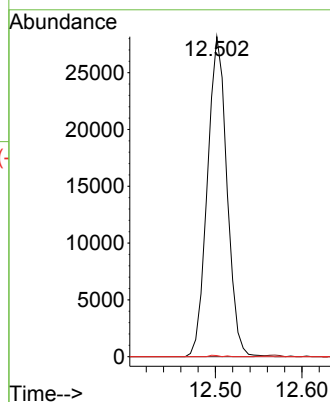
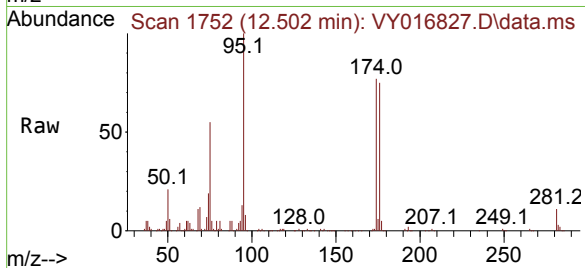




#81
trans-1,4-Dichloro-2-butene
Concen: 106.103 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016827.D
Acq: 22 Dec 2023 22:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 44290
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.2 36.5 54.7#



#95
Naphthalene
Concen: 3.603 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY016827.D
Acq: 22 Dec 2023 22:38

Tgt Ion:128 Resp: 27
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

