

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016825.D
 Acq On : 22 Dec 2023 21:51
 Operator : SY/MD
 Sample : 05957-02
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:06:35 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)

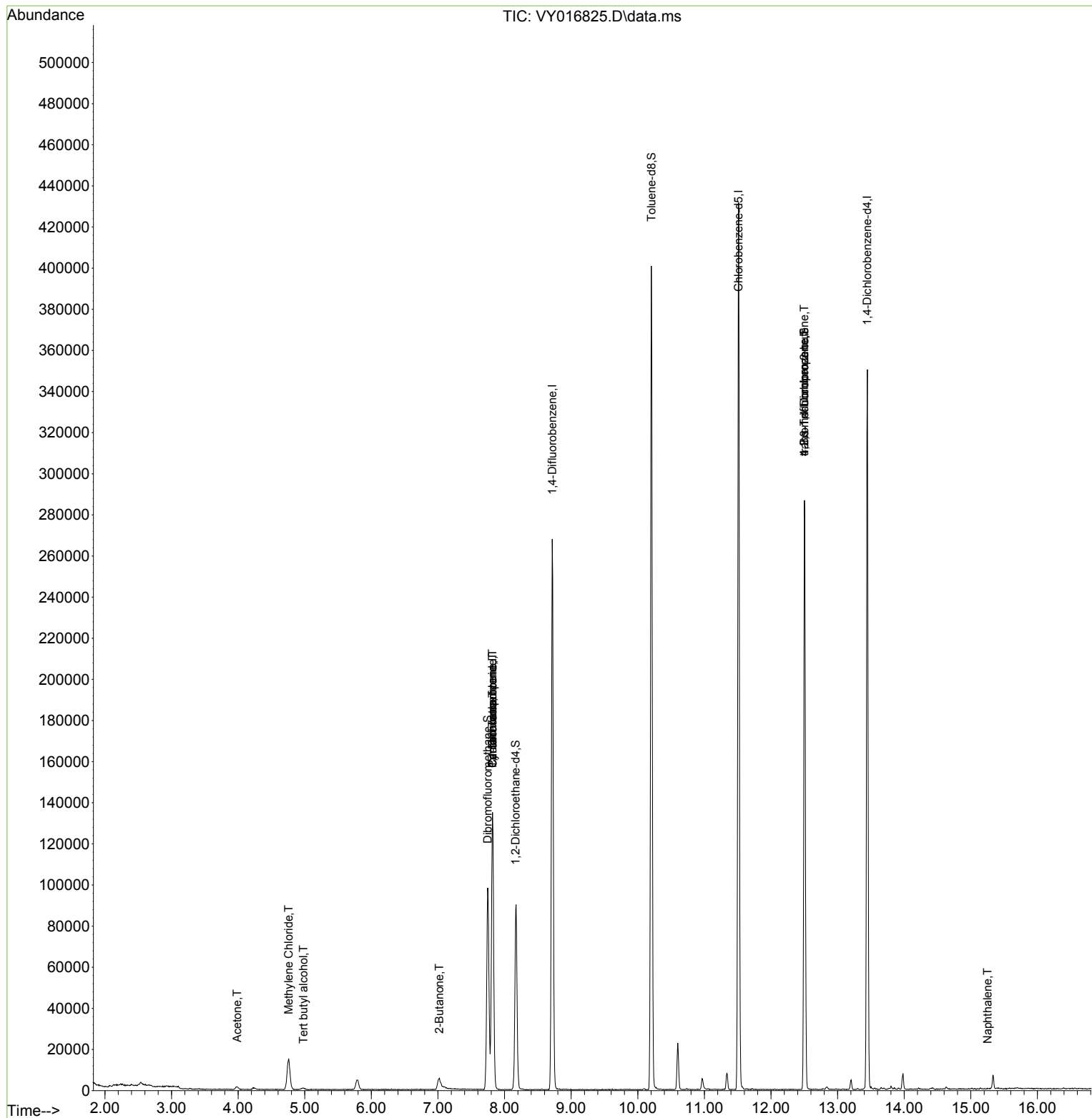
Internal Standards						
1) Pentafluorobenzene	7.820	168	101992	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	225324	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	231522	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	86454	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	68875	73.973	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.940%	
35) Dibromofluoromethane	7.746	113	71519	55.411	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.820%	
50) Toluene-d8	10.203	98	257277	55.294	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.580%	
62) 4-Bromofluorobenzene	12.502	95	84144	55.742	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.480%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.979	59	1098	14.383	ug/l #	75
16) Acetone	3.985	43	2616	10.390	ug/l	99
20) Methylene Chloride	4.759	84	11195	5.958	ug/l	96
25) 2-Butanone	7.021	43	616	1.777	ug/l #	48
31) Cyclohexane	7.820	56	2271	1.273	ug/l #	3
36) 1,1-Dichloropropene	7.820	75	9418	4.551	ug/l #	48
38) Carbon Tetrachloride	7.820	117	10663	5.208	ug/l #	16
76) 1,2,3-Trichloropropane	12.502	75	45544	47.655	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.502	75	45544	111.915	ug/l #	12
95) Naphthalene	15.251	128	82	3.621	ug/l #	69

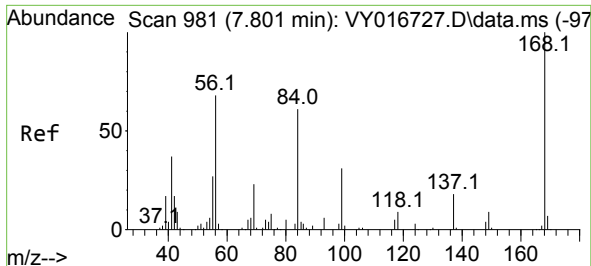
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 22 23:06:35 2023
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Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
Response via : Initial Calibration

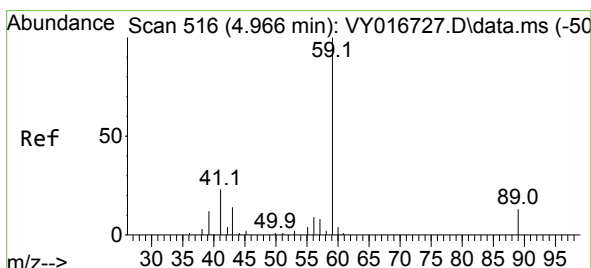
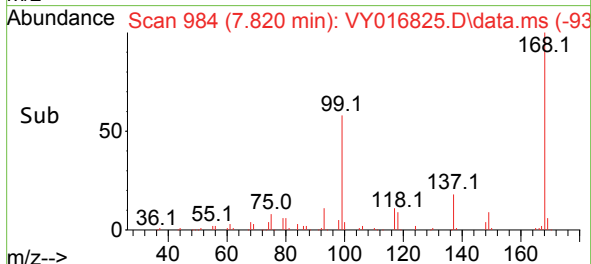
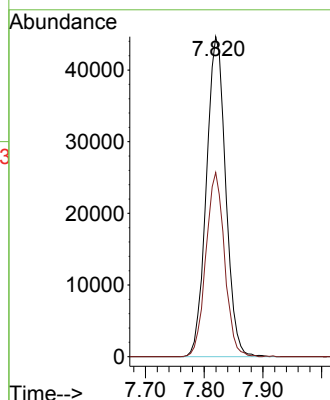
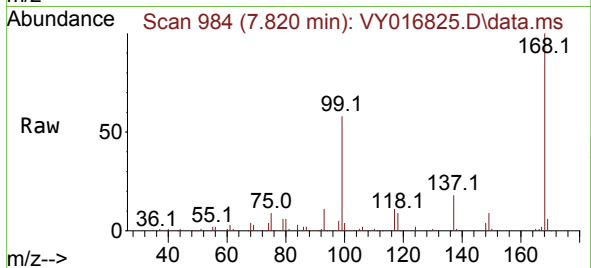




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.820 min Scan# 91
Delta R.T. 0.019 min
Lab File: VY016825.D
Acq: 22 Dec 2023 21:51

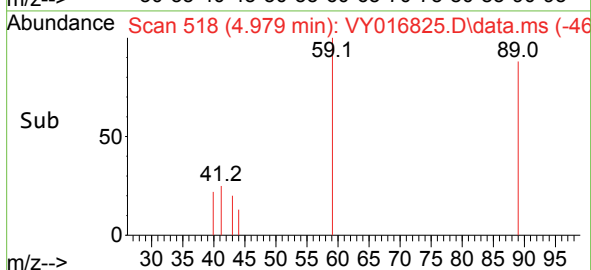
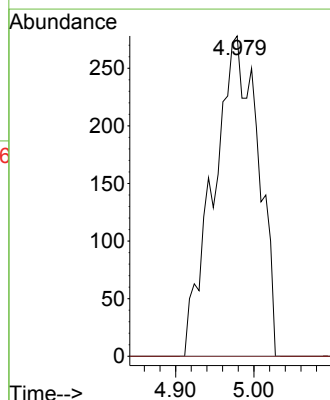
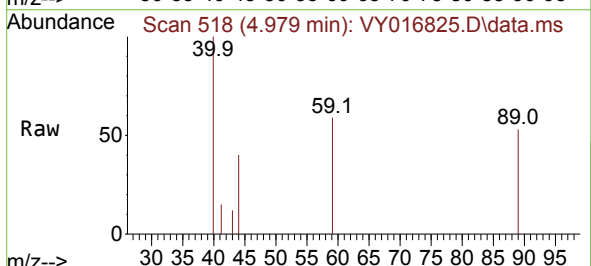
Instrument :
MSVOA_Y
ClientSampleId :

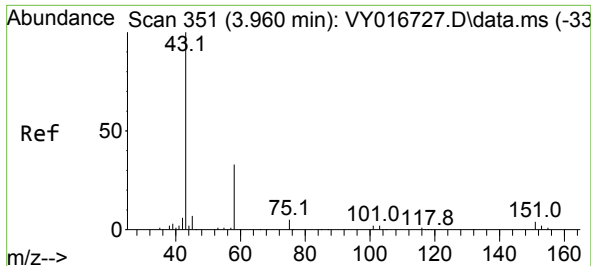
Tgt Ion:168 Resp: 101992
Ion Ratio Lower Upper
168 100
99 57.5 44.2 66.4



#11
Tert butyl alcohol
Concen: 14.383 ug/l
RT: 4.979 min Scan# 518
Delta R.T. 0.013 min
Lab File: VY016825.D
Acq: 22 Dec 2023 21:51

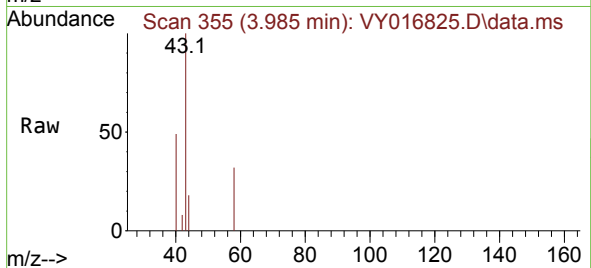
Tgt Ion: 59 Resp: 1098
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



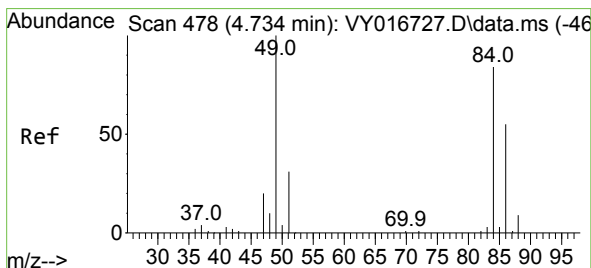
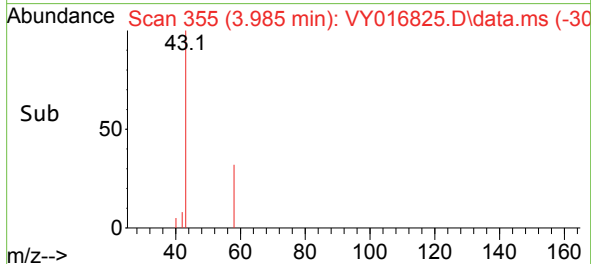
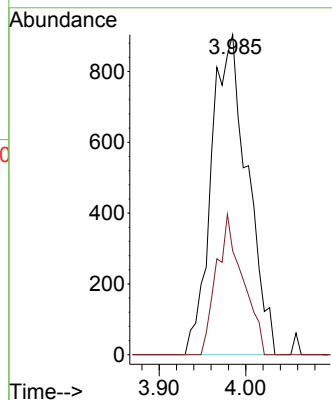


#16
Acetone
Concen: 10.390 ug/l
RT: 3.985 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY016825.D
Acq: 22 Dec 2023 21:51

Instrument :
MSVOA_Y
ClientSampleId :

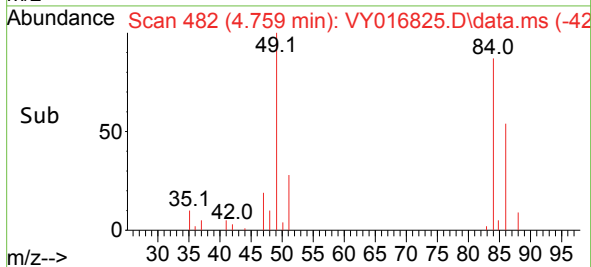
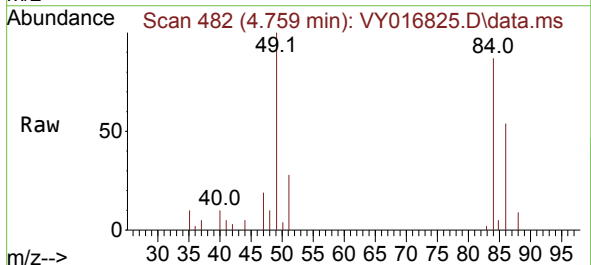
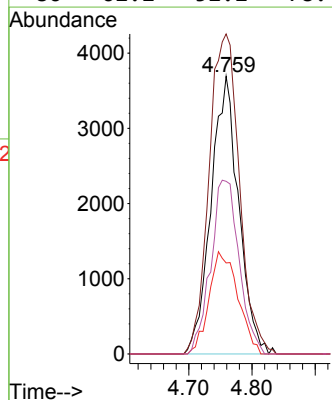


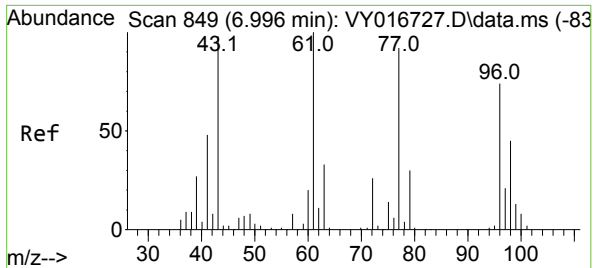
Tgt Ion: 43 Resp: 2616
Ion Ratio Lower Upper
43 100
58 32.4 26.6 39.8



#20
Methylene Chloride
Concen: 5.958 ug/l
RT: 4.759 min Scan# 482
Delta R.T. 0.025 min
Lab File: VY016825.D
Acq: 22 Dec 2023 21:51

Tgt Ion: 84 Resp: 11195
Ion Ratio Lower Upper
84 100
49 115.3 95.2 142.8
51 32.8 29.9 44.9
86 62.2 52.2 78.4





#25

2-Butanone

Concen: 1.777 ug/l

RT: 7.021 min Scan# 8

Delta R.T. 0.025 min

Lab File: VY016825.D

Acq: 22 Dec 2023 21:51

Instrument :

MSVOA_Y

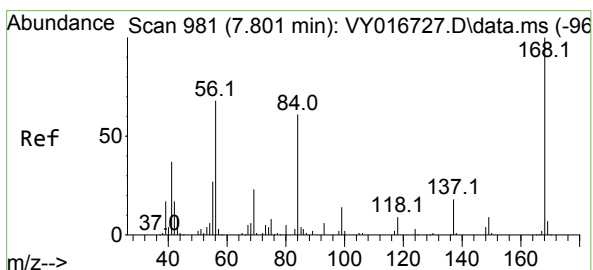
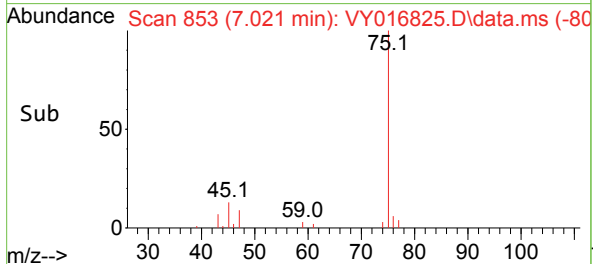
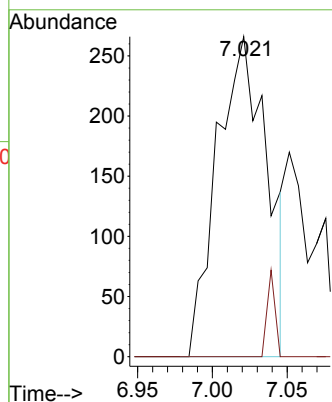
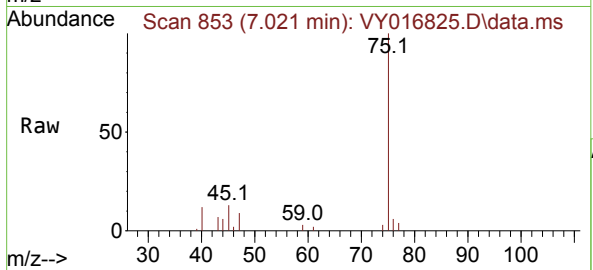
ClientSampleId :

Tgt Ion: 43 Resp: 616

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.273 ug/l

RT: 7.820 min Scan# 984

Delta R.T. 0.019 min

Lab File: VY016825.D

Acq: 22 Dec 2023 21:51

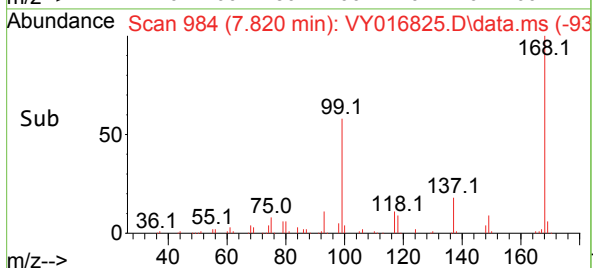
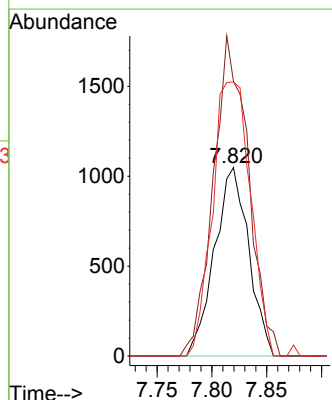
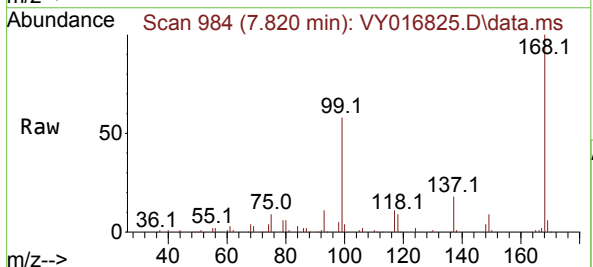
Tgt Ion: 56 Resp: 2271

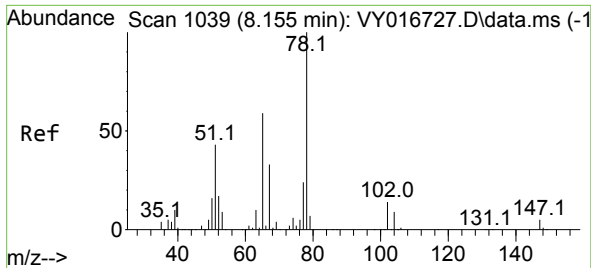
Ion Ratio Lower Upper

56 100

69 145.6 27.0 40.6#

84 145.4 71.8 107.6#

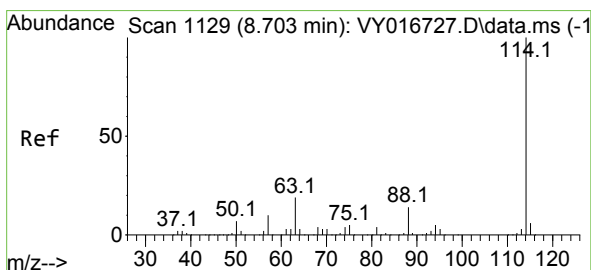
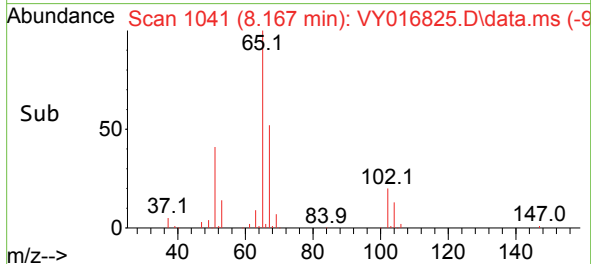
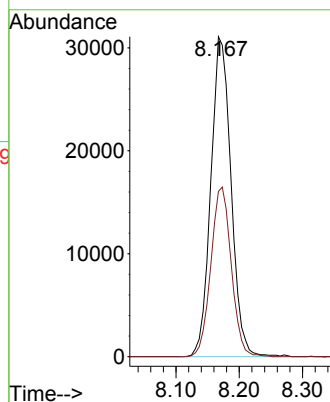
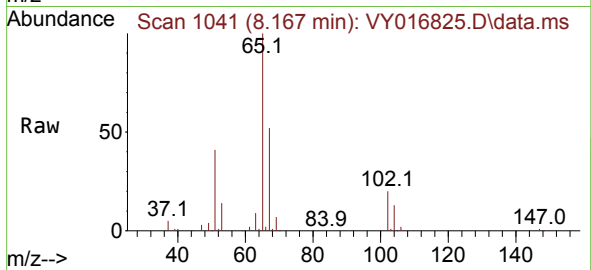




#33
1,2-Dichloroethane-d4
Concen: 73.973 ug/l
RT: 8.167 min Scan# 110
Delta R.T. 0.013 min
Lab File: VY016825.D
Acq: 22 Dec 2023 21:51

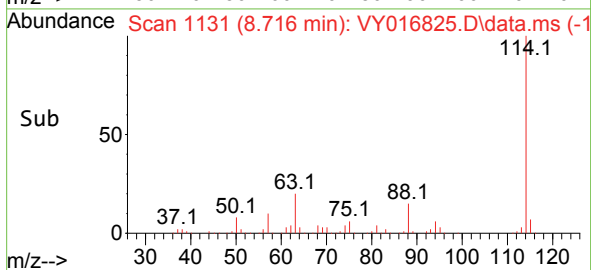
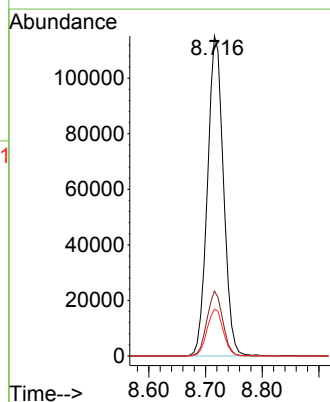
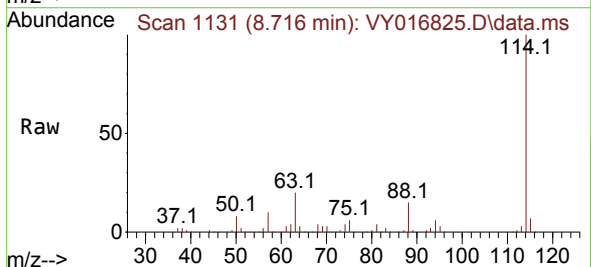
Instrument :
MSVOA_Y
ClientSampleId :

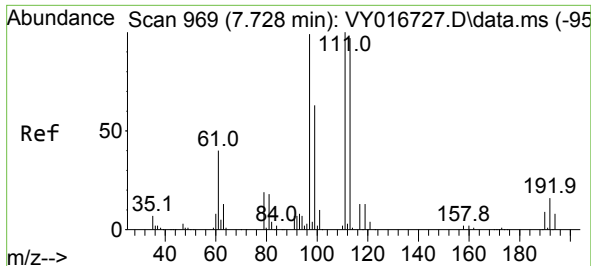
Tgt Ion: 65 Resp: 68875
Ion Ratio Lower Upper
65 100
67 53.5 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.716 min Scan# 1131
Delta R.T. 0.013 min
Lab File: VY016825.D
Acq: 22 Dec 2023 21:51

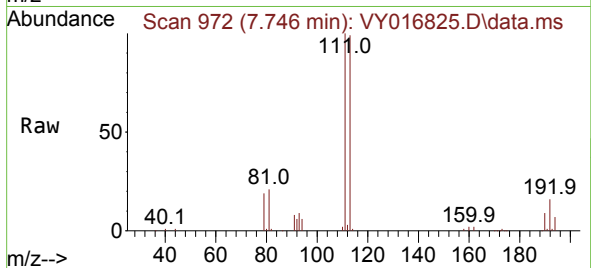
Tgt Ion:114 Resp: 225324
Ion Ratio Lower Upper
114 100
63 20.3 0.0 37.4
88 14.6 0.0 29.0



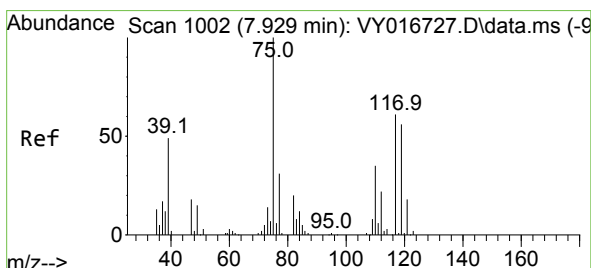
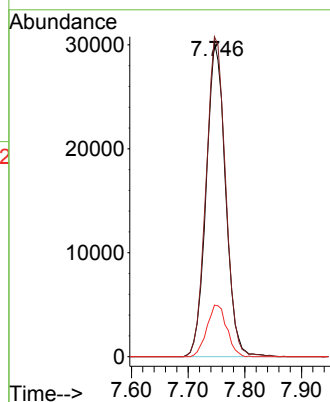
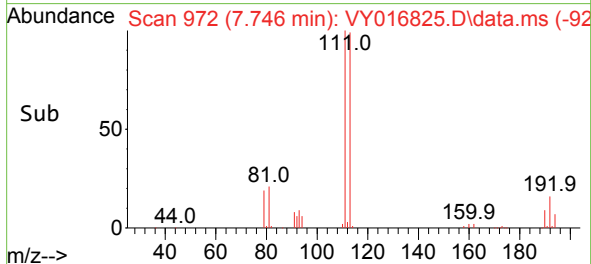


#35
Dibromofluoromethane
Concen: 55.411 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.019 min
Lab File: VY016825.D
Acq: 22 Dec 2023 21:51

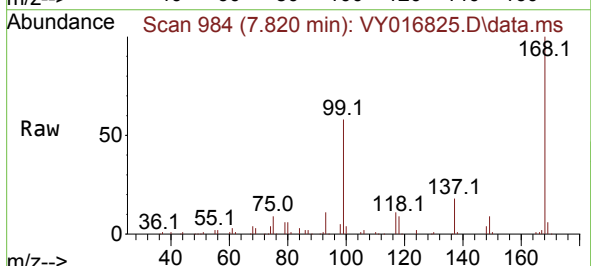
Instrument :
MSVOA_Y
ClientSampleId :



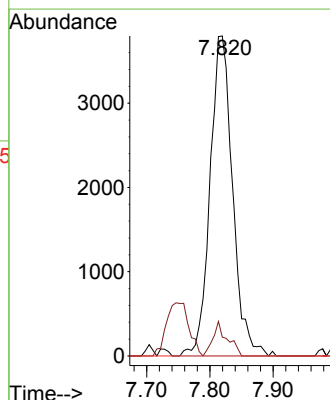
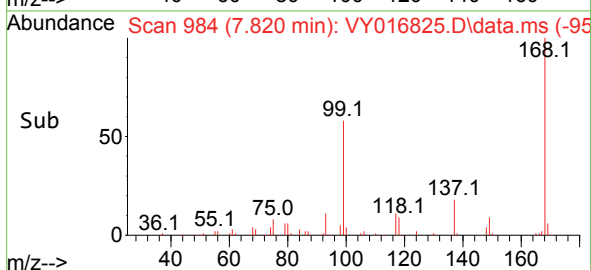
Tgt Ion:113 Resp: 71519
Ion Ratio Lower Upper
113 100
111 102.9 83.8 125.6
192 16.9 14.5 21.7

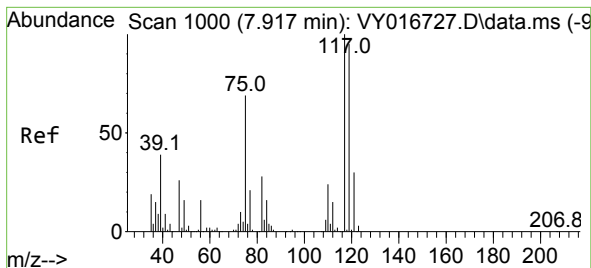


#36
1,1-Dichloropropene
Concen: 4.551 ug/l
RT: 7.820 min Scan# 984
Delta R.T. -0.109 min
Lab File: VY016825.D
Acq: 22 Dec 2023 21:51



Tgt Ion: 75 Resp: 9418
Ion Ratio Lower Upper
75 100
110 6.8 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.208 ug/l

RT: 7.820 min Scan# 91

Delta R.T. -0.097 min

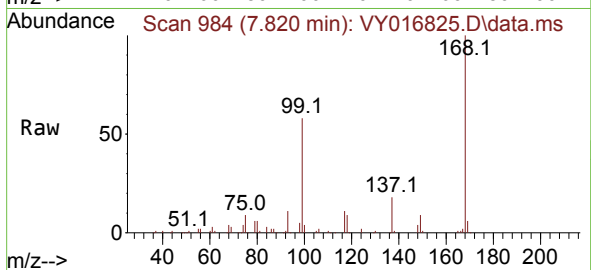
Lab File: VY016825.D

Acq: 22 Dec 2023 21:51

Instrument :

MSVOA_Y

ClientSampleId :



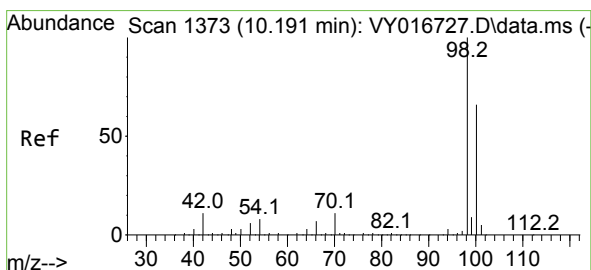
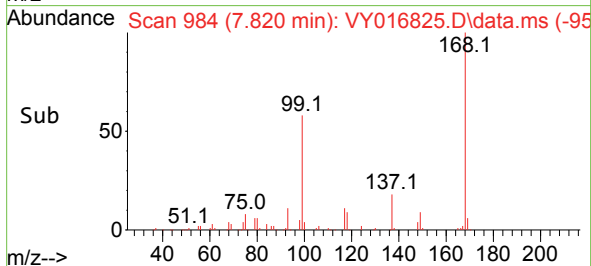
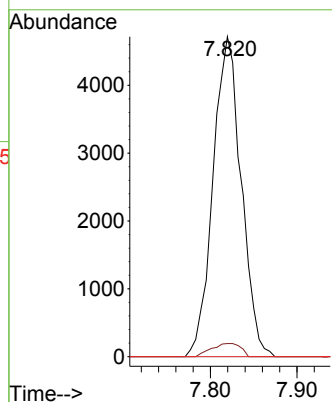
Tgt Ion:117 Resp: 10663

Ion Ratio Lower Upper

117 100

119 4.1 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 55.294 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.013 min

Lab File: VY016825.D

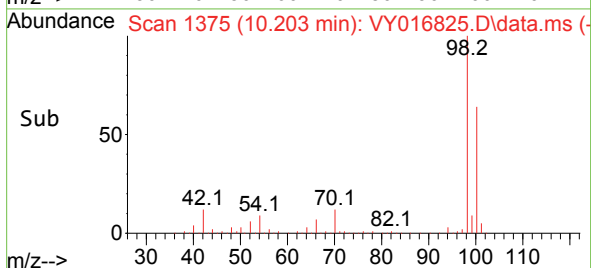
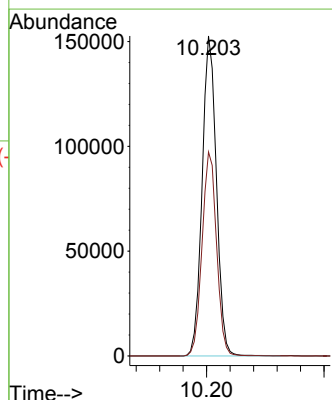
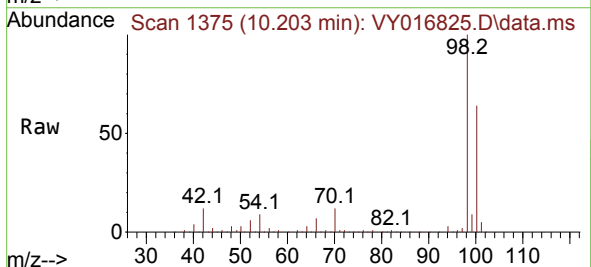
Acq: 22 Dec 2023 21:51

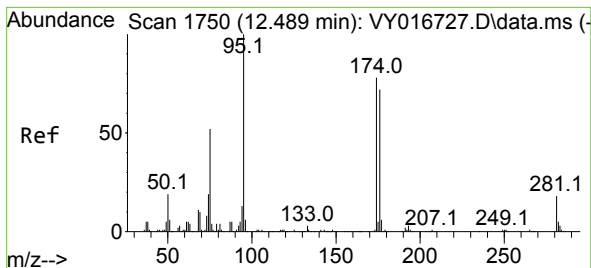
Tgt Ion: 98 Resp: 257277

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5

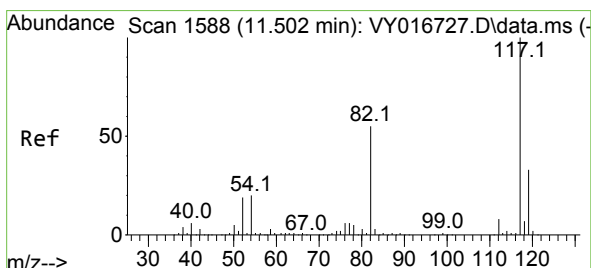
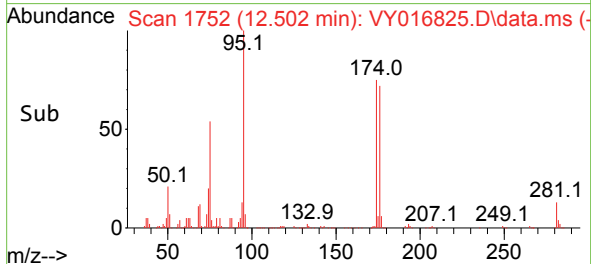
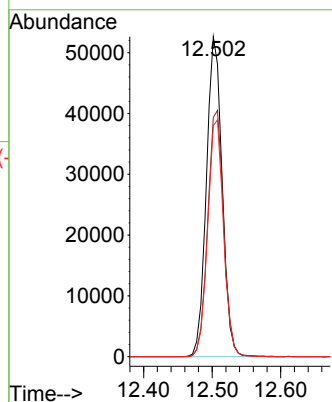
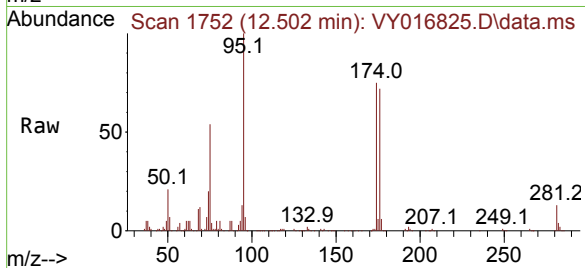




#62
4-Bromofluorobenzene
Concen: 55.742 ug/l
RT: 12.502 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY016825.D
Acq: 22 Dec 2023 21:51

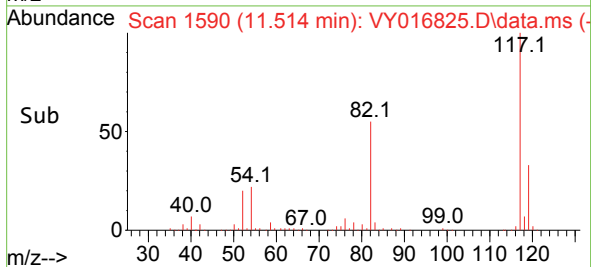
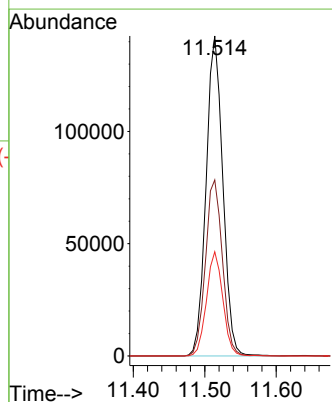
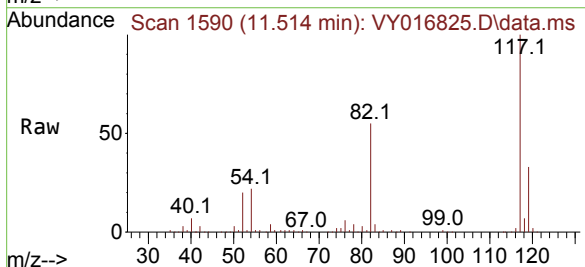
Instrument :
MSVOA_Y
ClientSampleId :

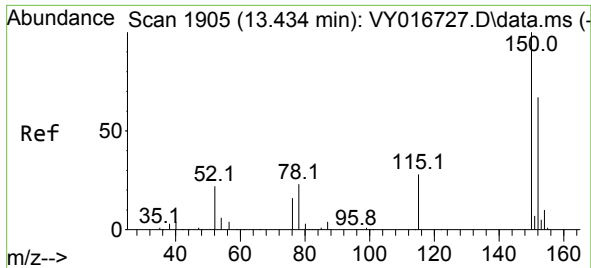
Tgt Ion: 95 Resp: 84144
Ion Ratio Lower Upper
95 100
174 78.1 0.0 160.0
176 74.0 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.013 min
Lab File: VY016825.D
Acq: 22 Dec 2023 21:51

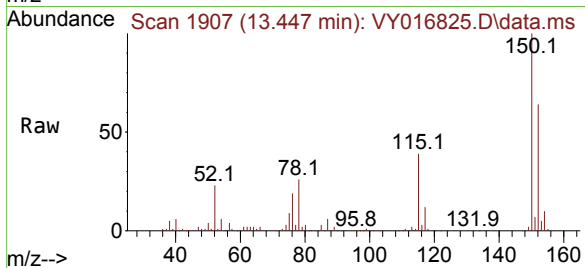
Tgt Ion: 117 Resp: 231522
Ion Ratio Lower Upper
117 100
82 55.0 43.8 65.8
119 32.6 26.5 39.7



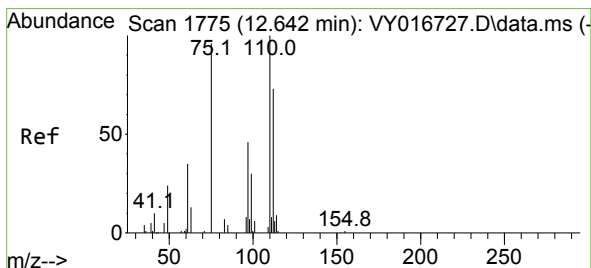
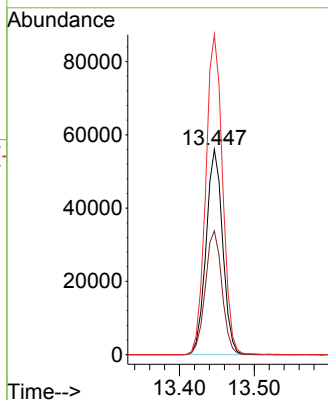
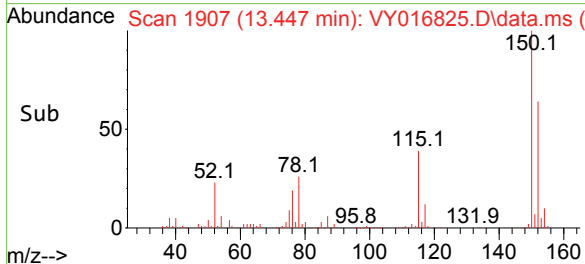


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.447 min Scan# 1905
 Delta R.T. 0.013 min
 Lab File: VY016825.D
 Acq: 22 Dec 2023 21:51

Instrument :
 MSVOA_Y
 ClientSampleId :

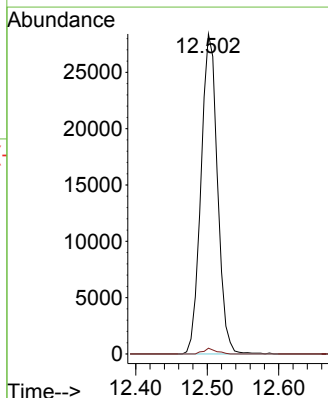
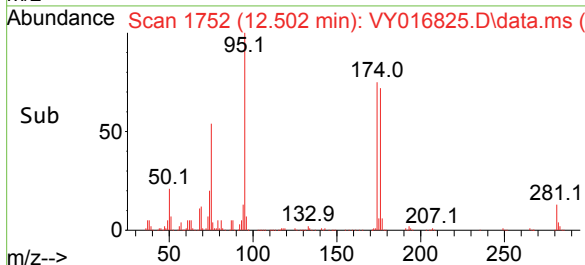
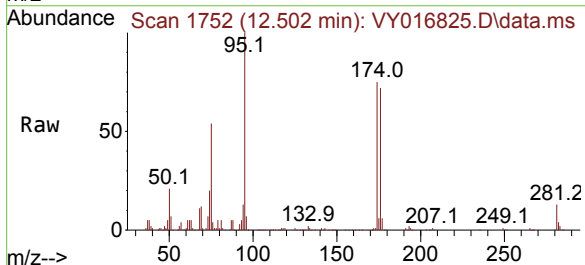


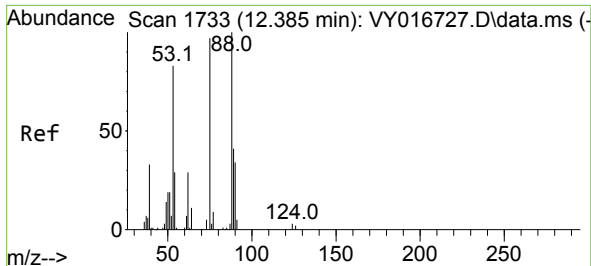
Tgt Ion:152 Resp: 86454
 Ion Ratio Lower Upper
 152 100
 115 60.7 30.0 90.0
 150 157.8 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 47.655 ug/l
 RT: 12.502 min Scan# 1752
 Delta R.T. -0.140 min
 Lab File: VY016825.D
 Acq: 22 Dec 2023 21:51

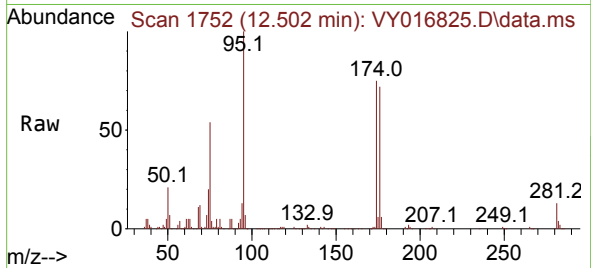
Tgt Ion: 75 Resp: 45544
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



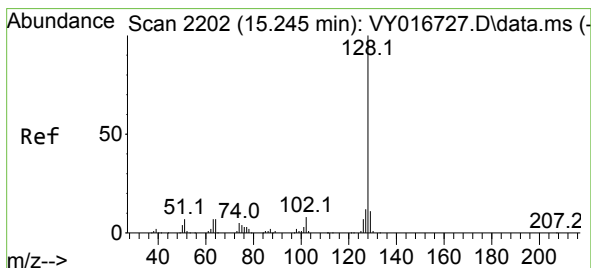
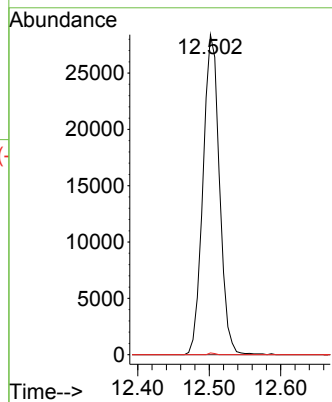
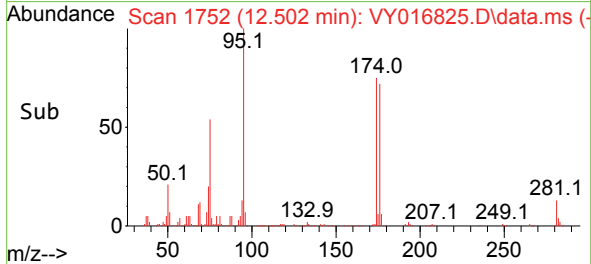


#81
trans-1,4-Dichloro-2-butene
Concen: 111.915 ug/l
RT: 12.502 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016825.D
Acq: 22 Dec 2023 21:51

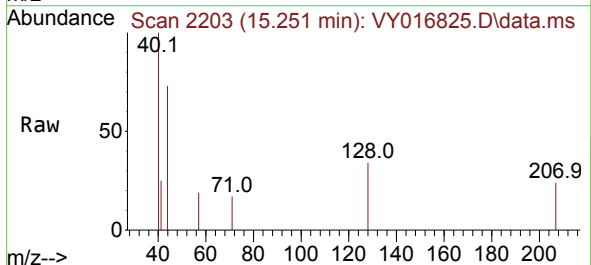
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 45544
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.2 36.5 54.7#



#95
Naphthalene
Concen: 3.621 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY016825.D
Acq: 22 Dec 2023 21:51



Tgt Ion: 128 Resp: 82
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

