

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016826.D
 Acq On : 22 Dec 2023 22:14
 Operator : SY/MD
 Sample : 05957-03
 Misc : 5.65g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:06:54 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)

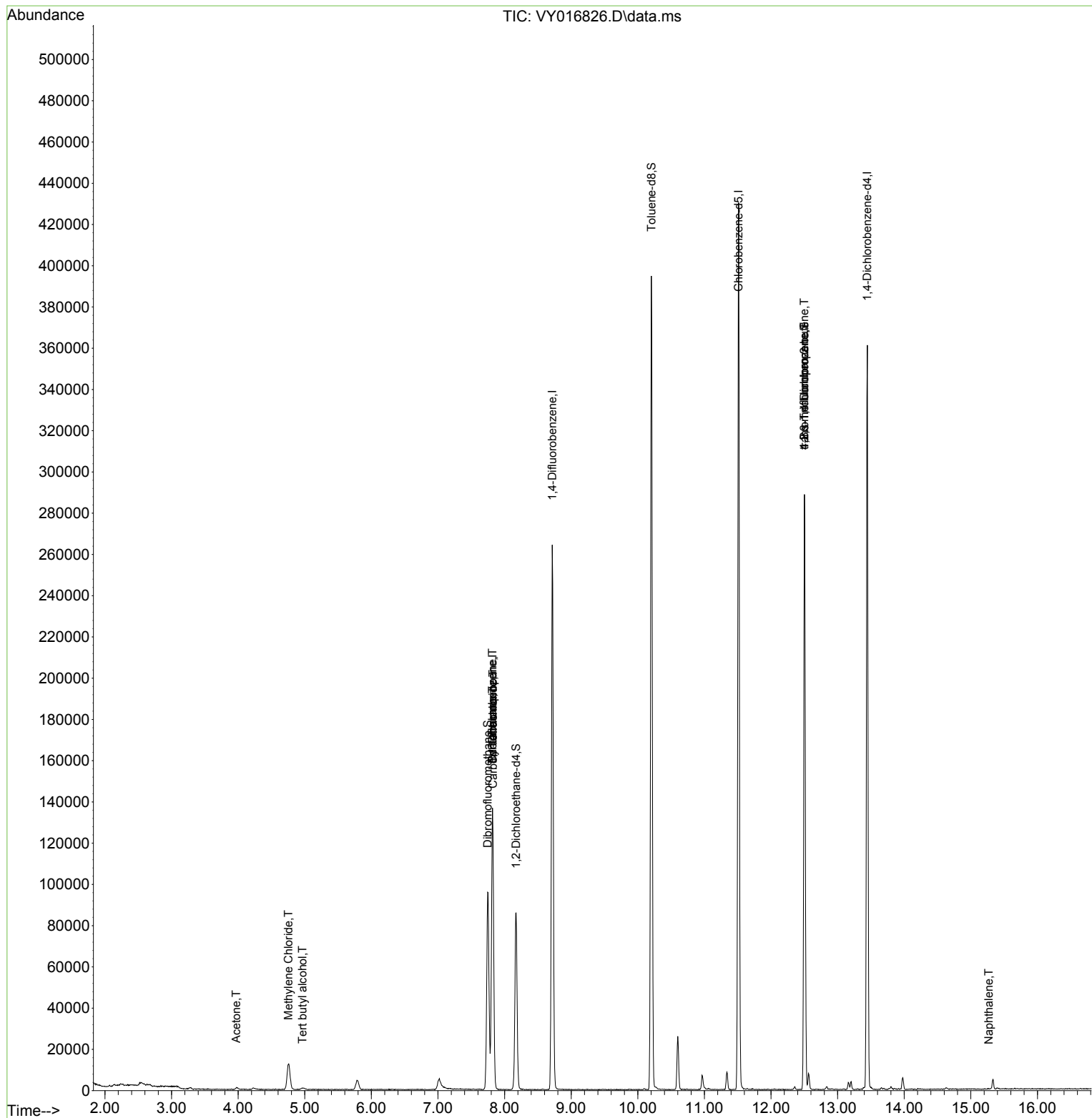
Internal Standards						
1) Pentafluorobenzene	7.819	168	101748	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	224119	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	229193	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	88827	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	67628	72.808	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.620%	
35) Dibromofluoromethane	7.746	113	70242	54.714	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.420%	
50) Toluene-d8	10.203	98	254208	54.928	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.860%	
62) 4-Bromofluorobenzene	12.502	95	85137	56.703	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	654	8.587	ug/l #	75
16) Acetone	3.973	43	1525	6.072	ug/l	96
20) Methylene Chloride	4.753	84	10130	5.130	ug/l	96
31) Cyclohexane	7.819	56	2392	1.344	ug/l #	11
36) 1,1-Dichloropropene	7.819	75	9358	4.547	ug/l #	47
38) Carbon Tetrachloride	7.826	117	10641	5.225	ug/l #	16
76) 1,2,3-Trichloropropane	12.502	75	44710	45.533	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.502	75	44710	106.930	ug/l #	12
95) Naphthalene	15.269	128	60	3.614	ug/l #	69

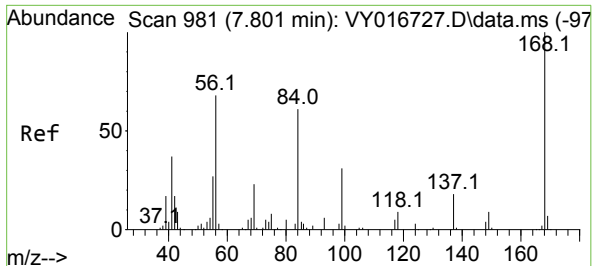
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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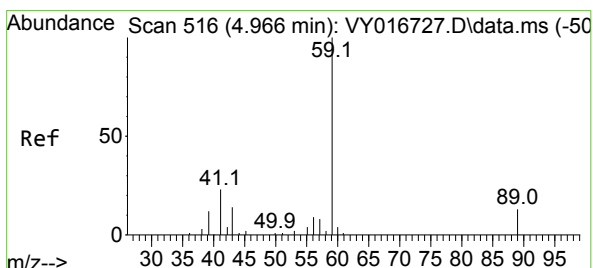
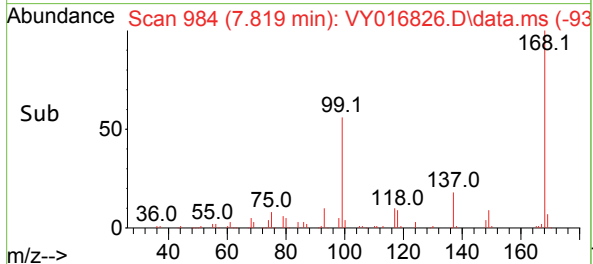
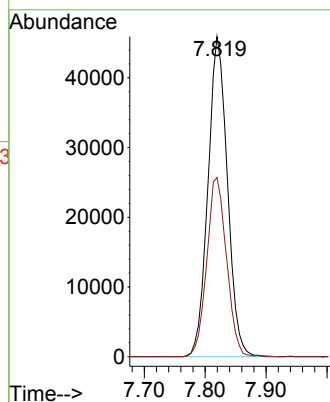
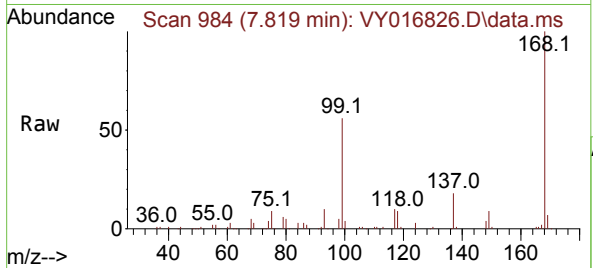




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY016826.D
Acq: 22 Dec 2023 22:14

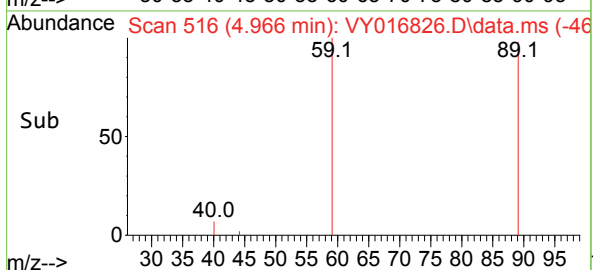
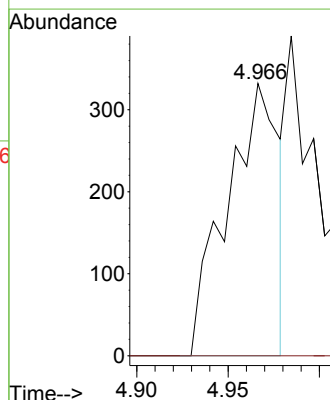
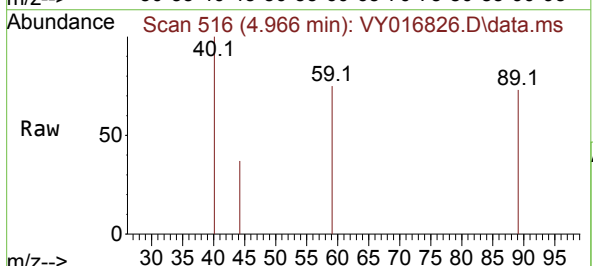
Instrument :
MSVOA_Y
ClientSampleId :

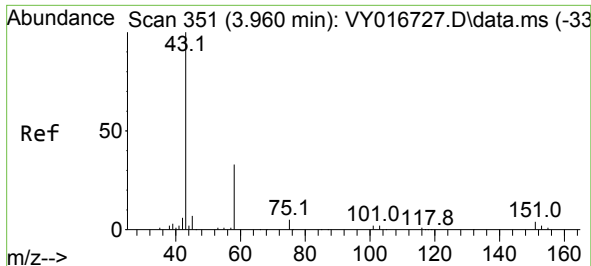
Tgt Ion:168 Resp: 101748
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 8.587 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY016826.D
Acq: 22 Dec 2023 22:14

Tgt Ion: 59 Resp: 654
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 6.072 ug/l

RT: 3.973 min Scan# 3

Delta R.T. 0.013 min

Lab File: VY016826.D

Acq: 22 Dec 2023 22:14

Instrument :

MSVOA_Y

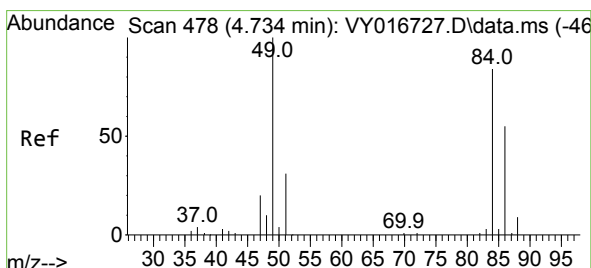
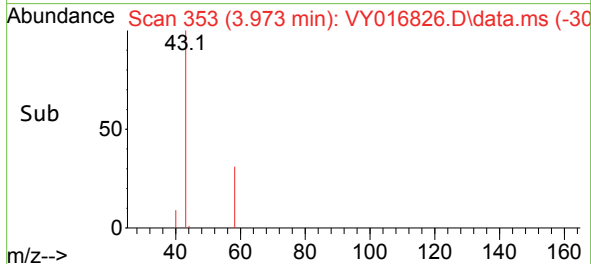
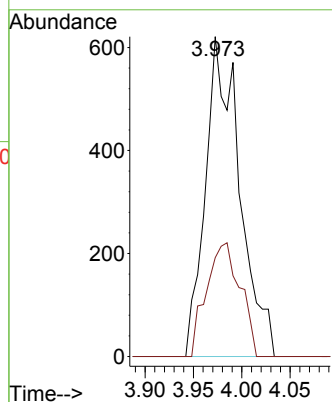
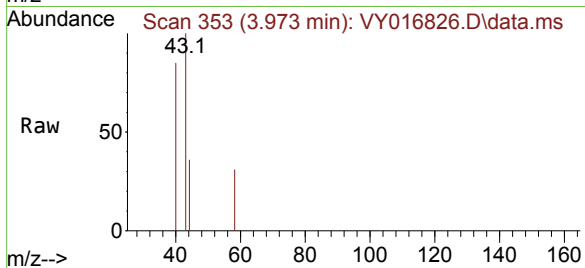
ClientSampleId :

Tgt Ion: 43 Resp: 1525

Ion Ratio Lower Upper

43 100

58 30.9 26.6 39.8



#20

Methylene Chloride

Concen: 5.130 ug/l

RT: 4.753 min Scan# 481

Delta R.T. 0.019 min

Lab File: VY016826.D

Acq: 22 Dec 2023 22:14

Tgt Ion: 84 Resp: 10130

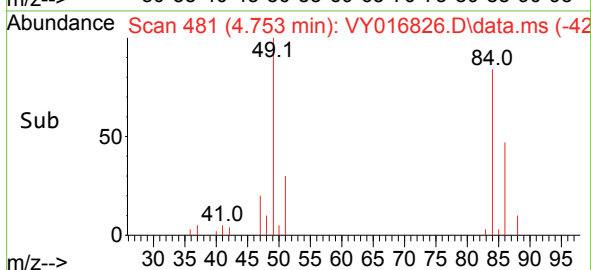
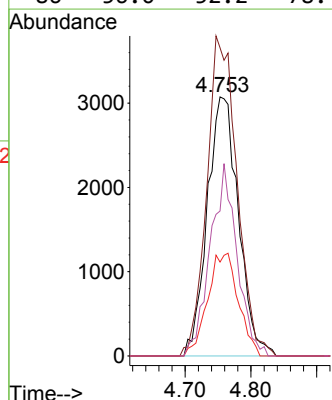
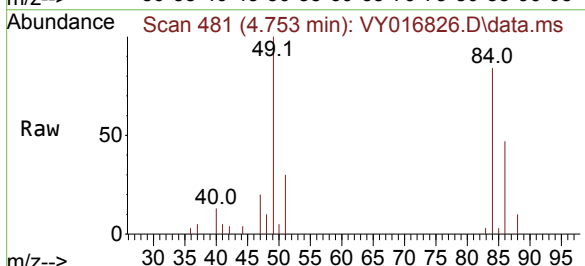
Ion Ratio Lower Upper

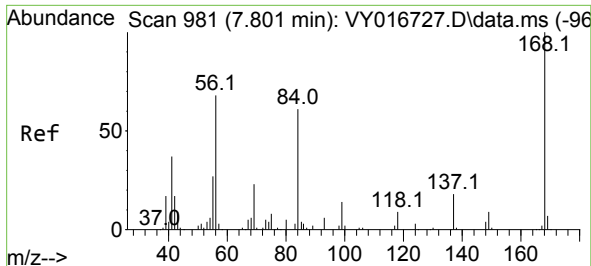
84 100

49 119.0 95.2 142.8

51 36.3 29.9 44.9

86 56.0 52.2 78.4

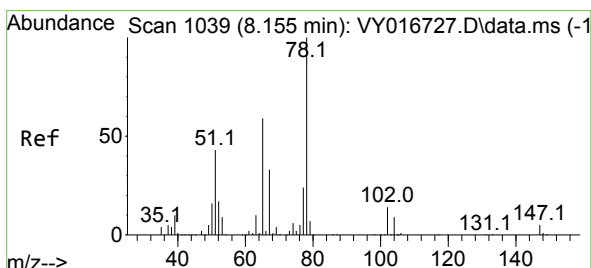
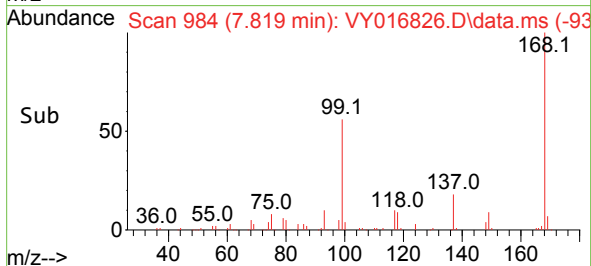
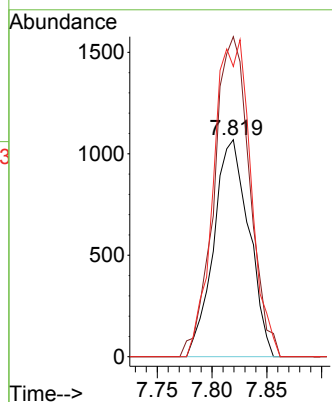
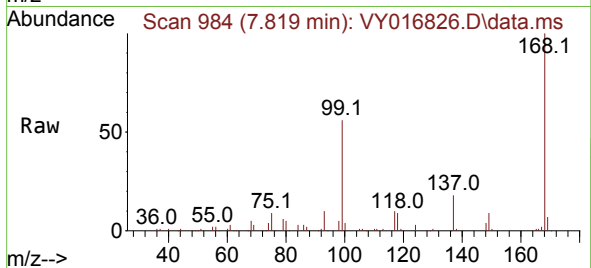




#31
Cyclohexane
Concen: 1.344 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016826.D
Acq: 22 Dec 2023 22:14

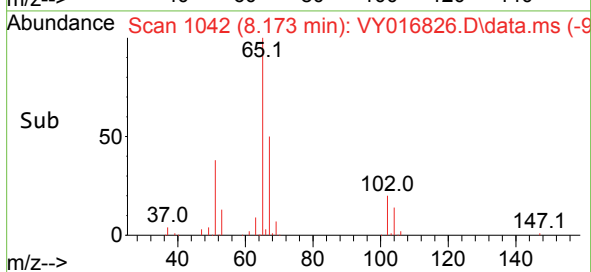
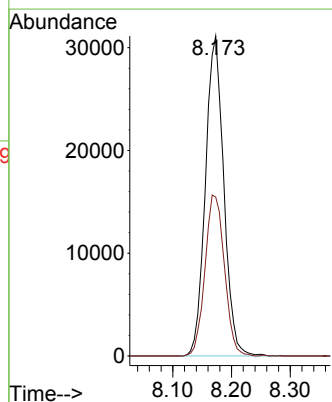
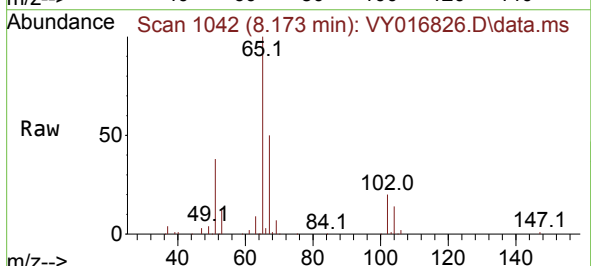
Instrument :
MSVOA_Y
ClientSampleId :

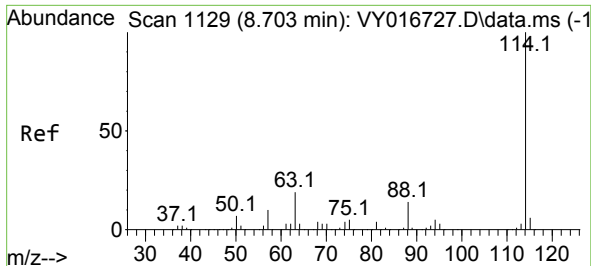
Tgt Ion: 56 Resp: 2392
Ion Ratio Lower Upper
56 100
69 147.5 27.0 40.6#
84 133.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 72.808 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.018 min
Lab File: VY016826.D
Acq: 22 Dec 2023 22:14

Tgt Ion: 65 Resp: 67628
Ion Ratio Lower Upper
65 100
67 53.3 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1129

Delta R.T. 0.013 min

Lab File: VY016826.D

Acq: 22 Dec 2023 22:14

Instrument :

MSVOA_Y

ClientSampleId :

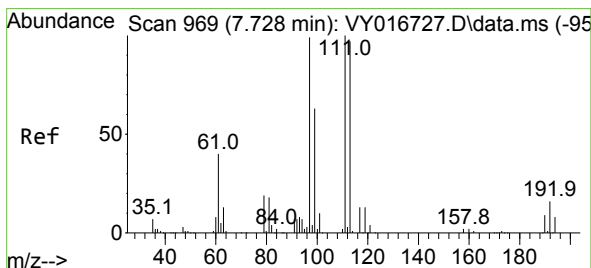
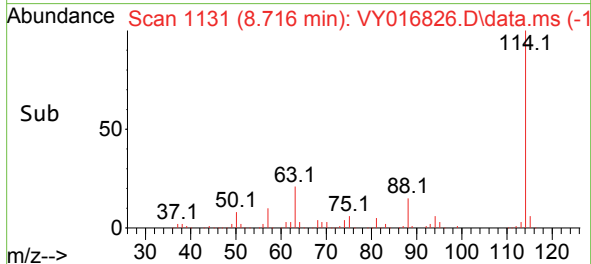
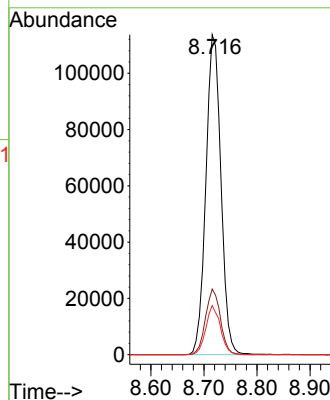
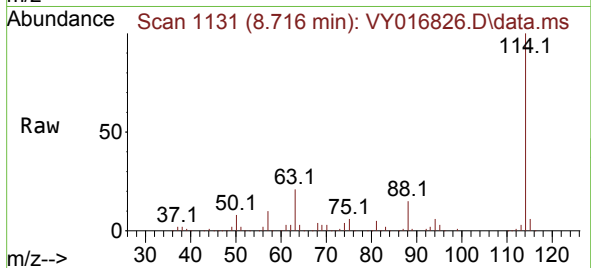
Tgt Ion:114 Resp: 224119

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 15.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 54.714 ug/l

RT: 7.746 min Scan# 972

Delta R.T. 0.019 min

Lab File: VY016826.D

Acq: 22 Dec 2023 22:14

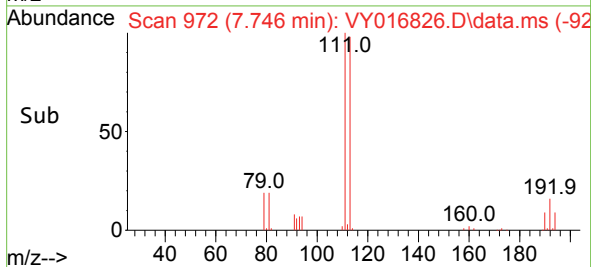
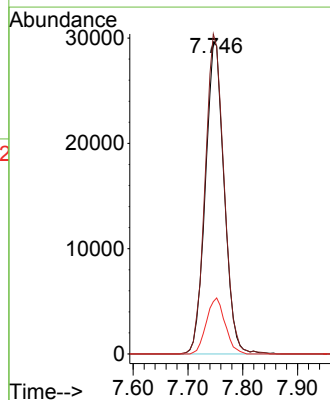
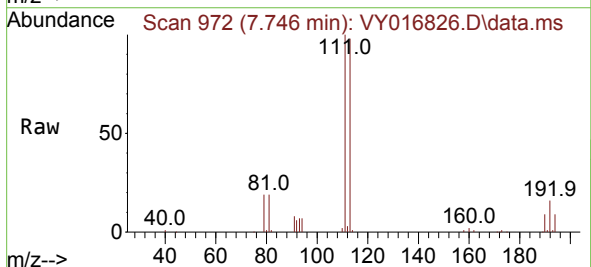
Tgt Ion:113 Resp: 70242

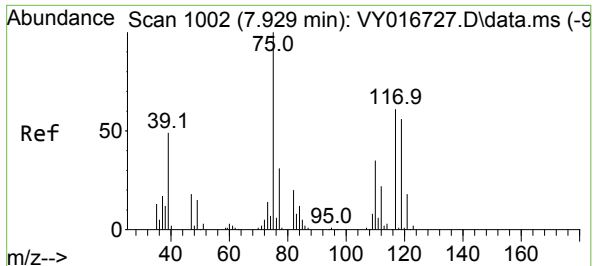
Ion Ratio Lower Upper

113 100

111 103.3 83.8 125.6

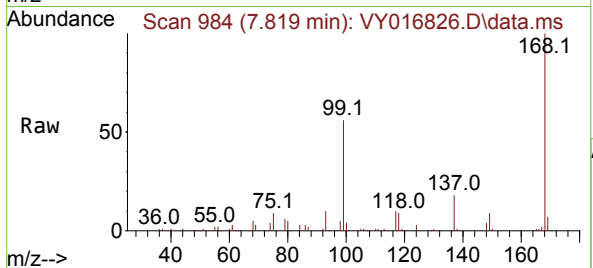
192 17.9 14.5 21.7



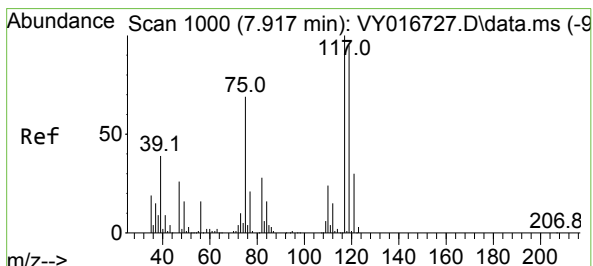
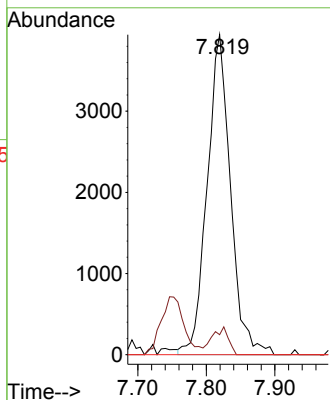
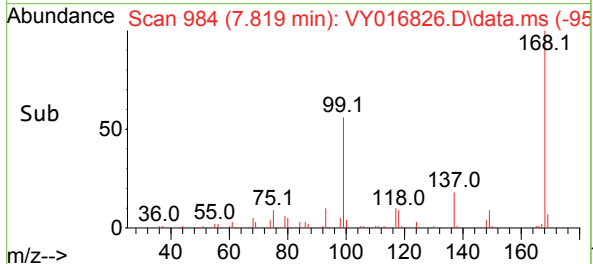


#36
1,1-Dichloropropene
Concen: 4.547 ug/l
RT: 7.819 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016826.D
Acq: 22 Dec 2023 22:14

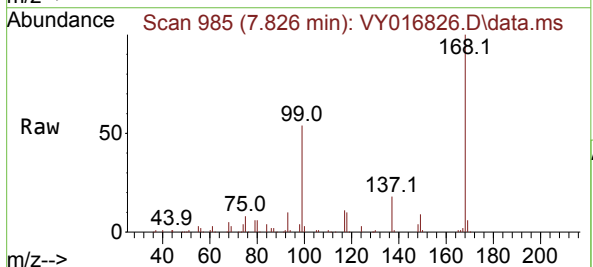
Instrument :
MSVOA_Y
ClientSampleId :



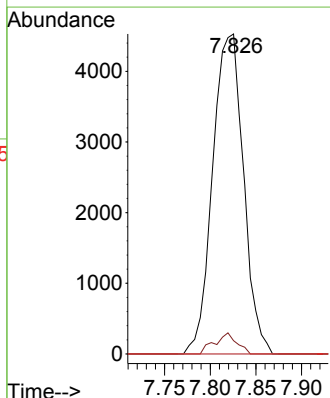
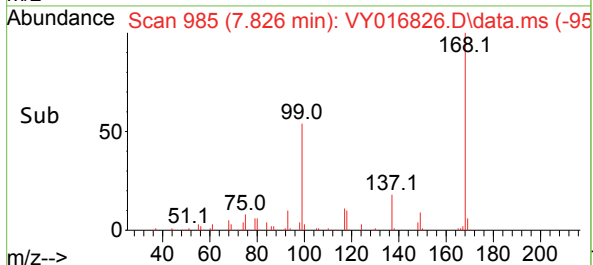
Tgt Ion: 75 Resp: 9358
Ion Ratio Lower Upper
75 100
110 6.0 17.4 52.3#
77 0.0 24.7 37.1#

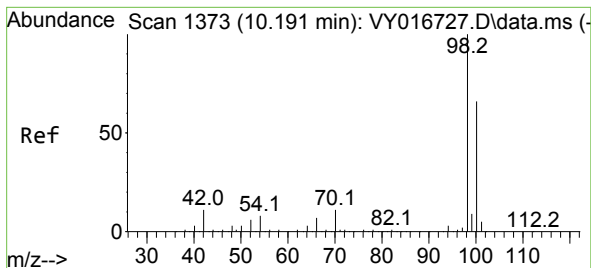


#38
Carbon Tetrachloride
Concen: 5.225 ug/l
RT: 7.826 min Scan# 985
Delta R.T. -0.091 min
Lab File: VY016826.D
Acq: 22 Dec 2023 22:14



Tgt Ion: 117 Resp: 10641
Ion Ratio Lower Upper
117 100
119 4.2 76.0 114.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 54.928 ug/l

RT: 10.203 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016826.D

Acq: 22 Dec 2023 22:14

Instrument :

MSVOA_Y

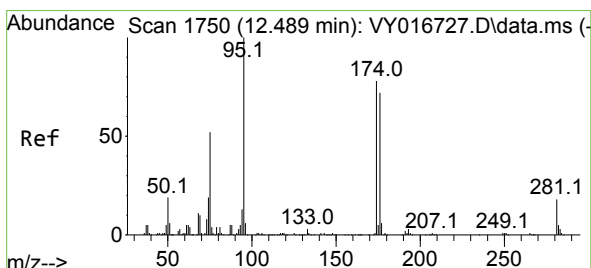
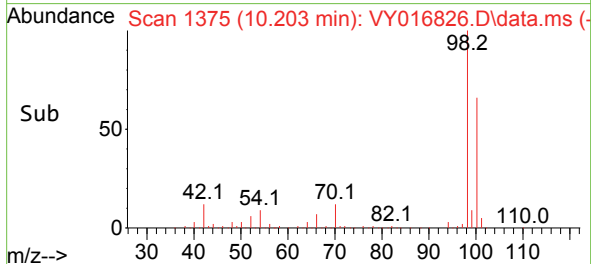
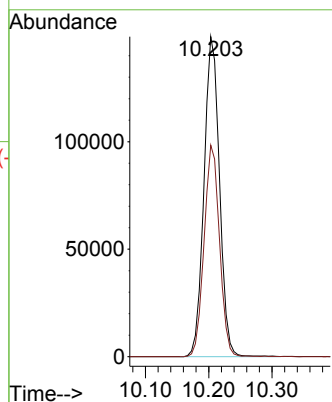
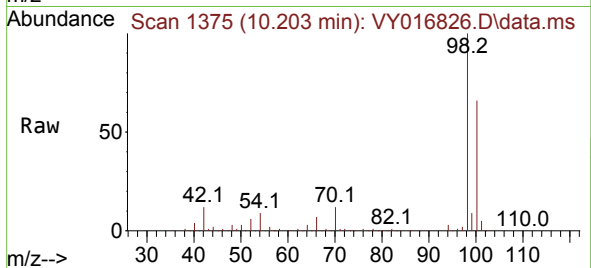
ClientSampleId :

Tgt Ion: 98 Resp: 254208

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 56.703 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY016826.D

Acq: 22 Dec 2023 22:14

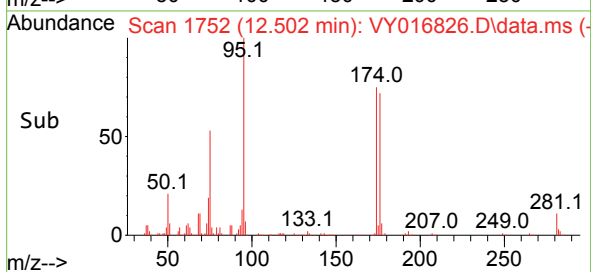
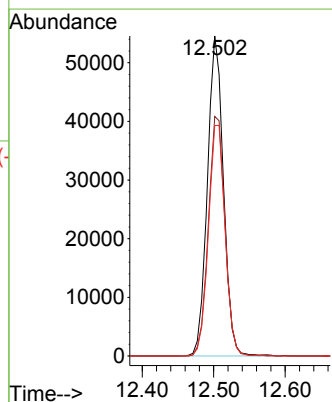
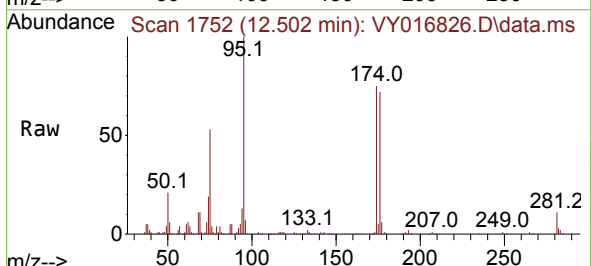
Tgt Ion: 95 Resp: 85137

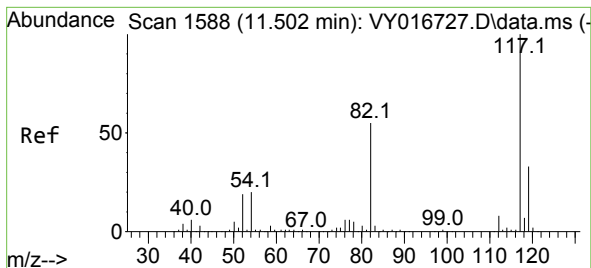
Ion Ratio Lower Upper

95 100

174 77.6 0.0 160.0

176 74.6 0.0 151.8

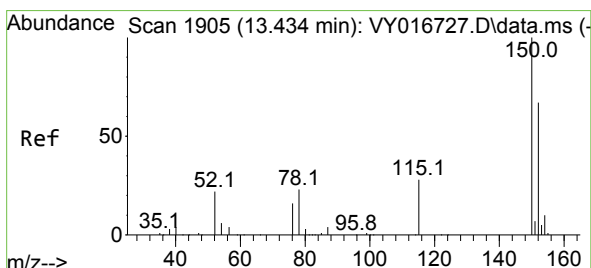
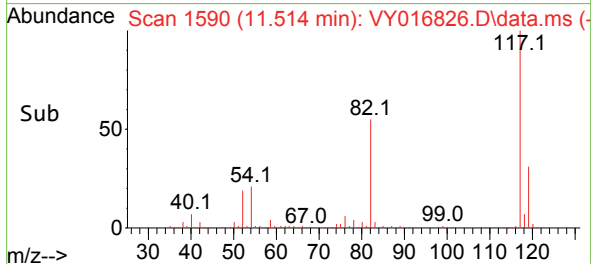
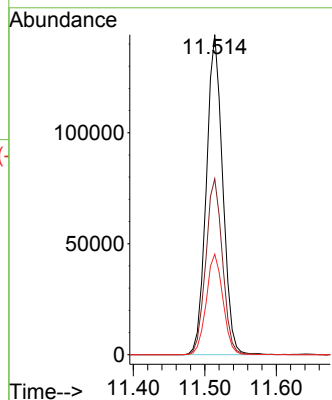
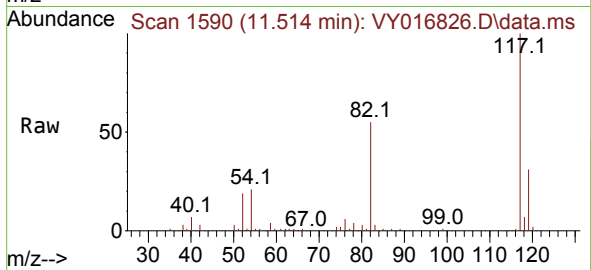




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016826.D
Acq: 22 Dec 2023 22:14

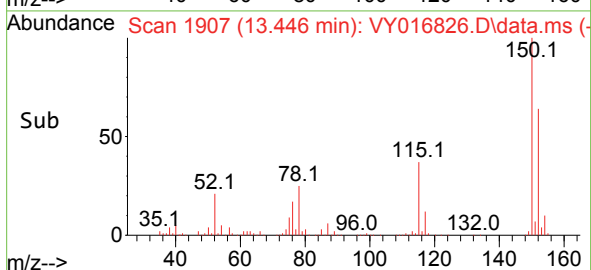
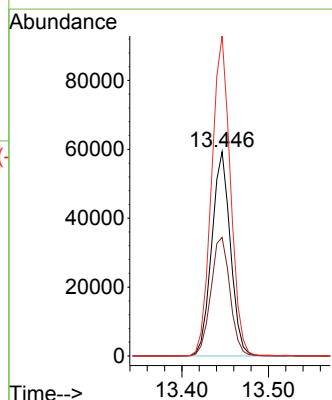
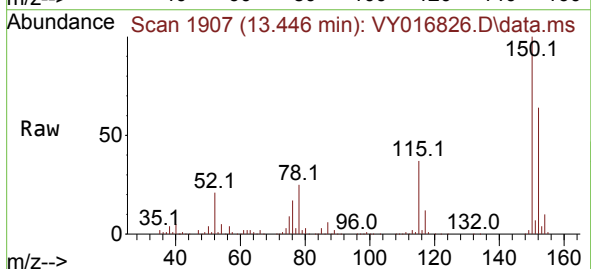
Instrument :
MSVOA_Y
ClientSampleId :

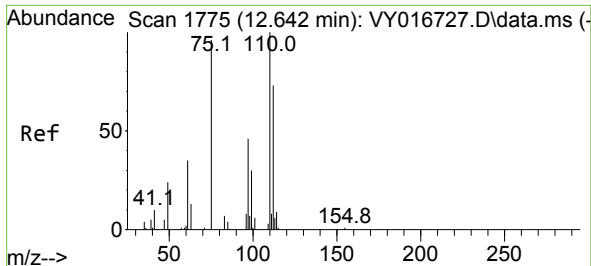
Tgt Ion:117 Resp: 229193
Ion Ratio Lower Upper
117 100
82 54.9 43.8 65.8
119 31.4 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.012 min
Lab File: VY016826.D
Acq: 22 Dec 2023 22:14

Tgt Ion:152 Resp: 88827
Ion Ratio Lower Upper
152 100
115 59.5 30.0 90.0
150 158.5 0.0 344.6

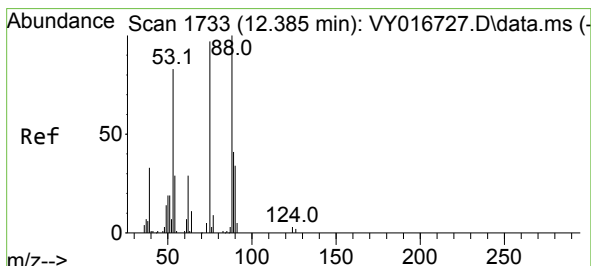
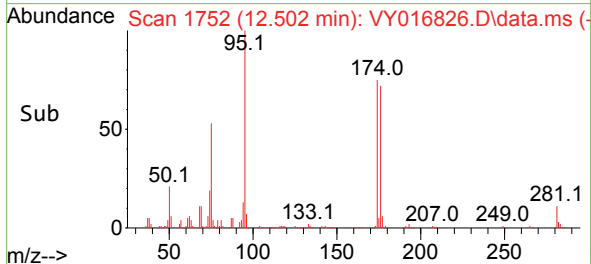
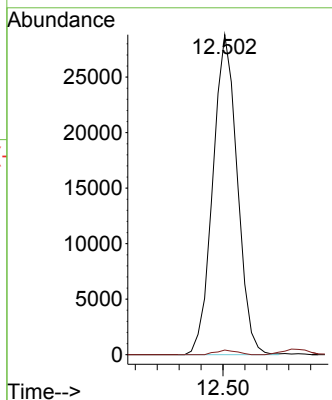
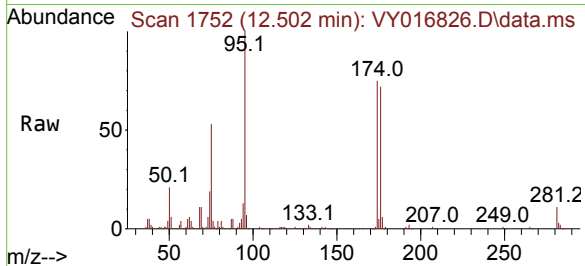




#76
 1,2,3-Trichloropropane
 Concen: 45.533 ug/l
 RT: 12.502 min Scan# 1752
 Delta R.T. -0.140 min
 Lab File: VY016826.D
 Acq: 22 Dec 2023 22:14

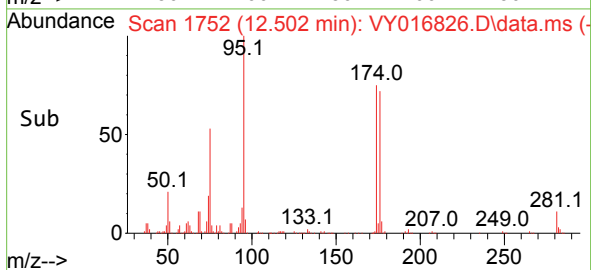
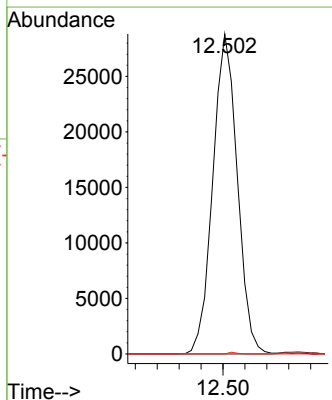
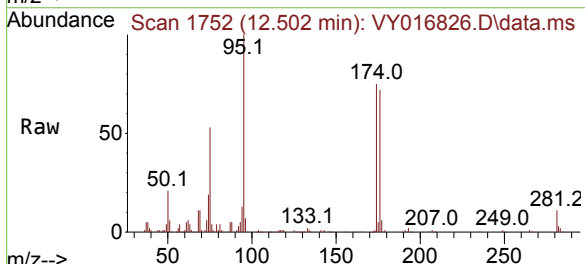
Instrument :
 MSVOA_Y
 ClientSampleId :

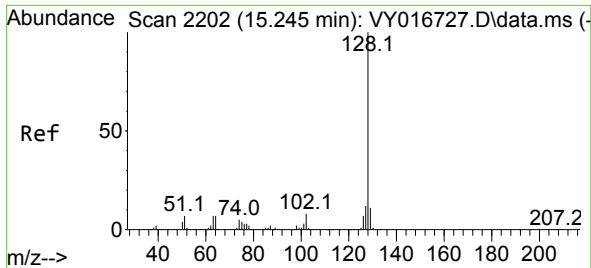
Tgt Ion: 75 Resp: 44710
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.930 ug/l
 RT: 12.502 min Scan# 1752
 Delta R.T. 0.116 min
 Lab File: VY016826.D
 Acq: 22 Dec 2023 22:14

Tgt Ion: 75 Resp: 44710
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.2 36.5 54.7#





#95

Naphthalene

Concen: 3.614 ug/l

RT: 15.269 min Scan# 21

Delta R.T. 0.024 min

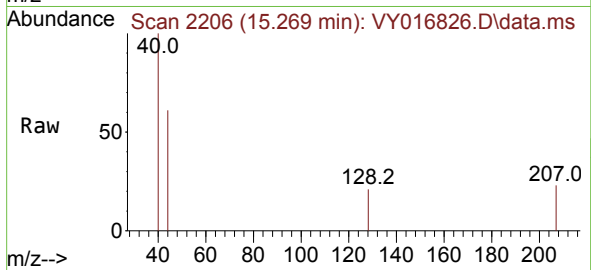
Lab File: VY016826.D

Acq: 22 Dec 2023 22:14

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	128	Resp:	60
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.6	12.8#

