

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016742.D
 Acq On : 21 Dec 2023 05:57
 Operator : SY/MD
 Sample : 05876-11
 Misc : 4.44g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 21 07:12:07 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)

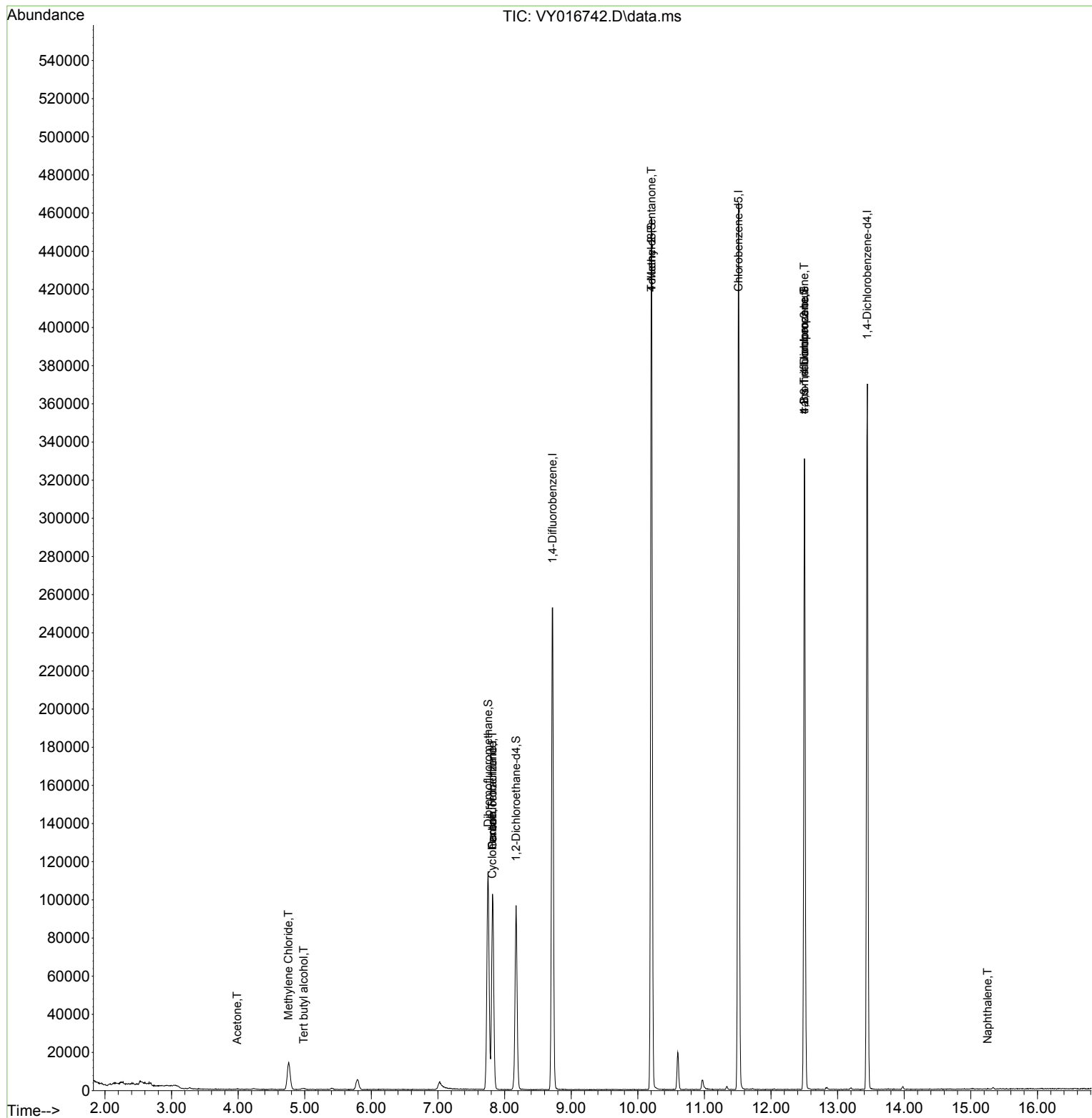
Internal Standards						
1) Pentafluorobenzene	7.819	168	76565	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	220101	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	249183	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	92607	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	71165	101.816	ug/l	0.02
Spiked Amount	50.000	Range 50 - 163	Recovery	= 203.640%#		
35) Dibromofluoromethane	7.752	113	82580	65.498	ug/l	0.02
Spiked Amount	50.000	Range 54 - 147	Recovery	= 131.000%		
50) Toluene-d8	10.203	98	292597	64.377	ug/l	0.01
Spiked Amount	50.000	Range 58 - 134	Recovery	= 128.760%		
62) 4-Bromofluorobenzene	12.501	95	100619	68.237	ug/l	0.01
Spiked Amount	50.000	Range 30 - 143	Recovery	= 136.480%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.984	59	591	10.313	ug/l #	75
16) Acetone	3.985	43	540	2.857	ug/l	88
20) Methylene Chloride	4.753	84	11195	8.929	ug/l	90
31) Cyclohexane	7.813	56	1691	1.263	ug/l #	2
38) Carbon Tetrachloride	7.819	117	8084	4.042	ug/l #	16
51) 4-Methyl-2-Pentanone	10.203	43	1090	1.216	ug/l #	1
76) 1,2,3-Trichloropropane	12.501	75	53497	52.257	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	53497	122.723	ug/l #	12
95) Naphthalene	15.251	128	282	3.682	ug/l #	69

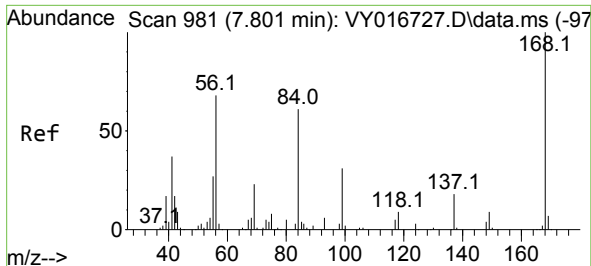
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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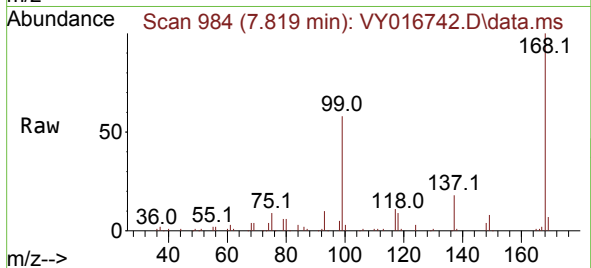
Quant Time: Dec 21 07:12:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
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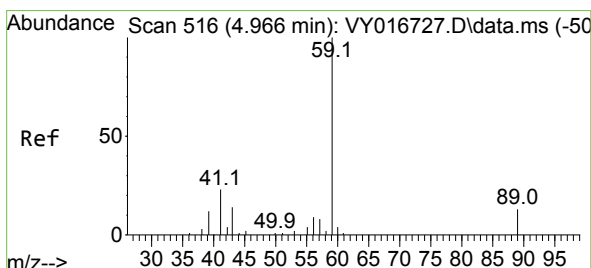
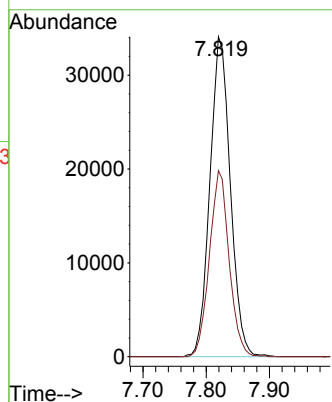
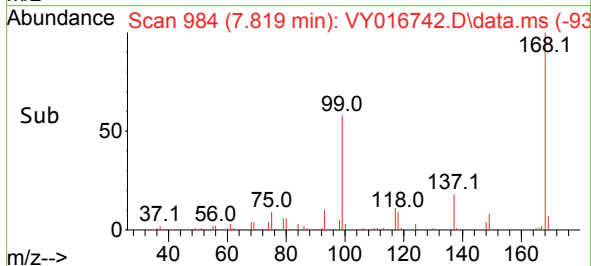


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 984
Delta R.T. 0.018 min
Lab File: VY016742.D
Acq: 21 Dec 2023 05:57

Instrument :
MSVOA_Y
ClientSampleId :

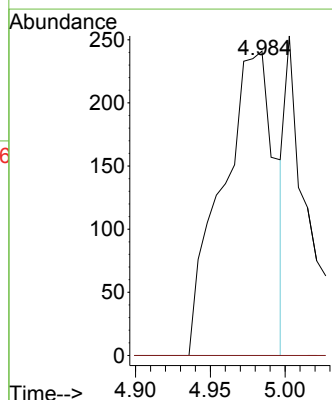
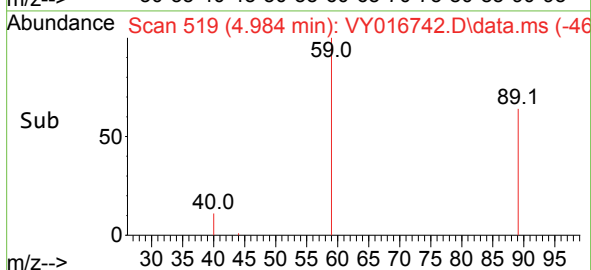
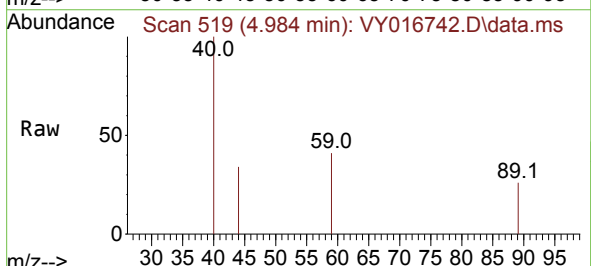


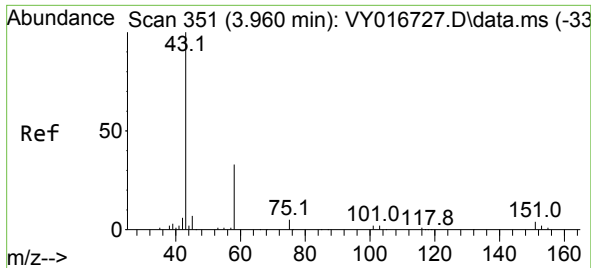
Tgt Ion:168 Resp: 76565
Ion Ratio Lower Upper
168 100
99 58.2 44.2 66.4



#11
Tert butyl alcohol
Concen: 10.313 ug/l
RT: 4.984 min Scan# 519
Delta R.T. 0.018 min
Lab File: VY016742.D
Acq: 21 Dec 2023 05:57

Tgt Ion: 59 Resp: 591
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 2.857 ug/l

RT: 3.985 min Scan# 3

Delta R.T. 0.025 min

Lab File: VY016742.D

Acq: 21 Dec 2023 05:57

Instrument :

MSVOA_Y

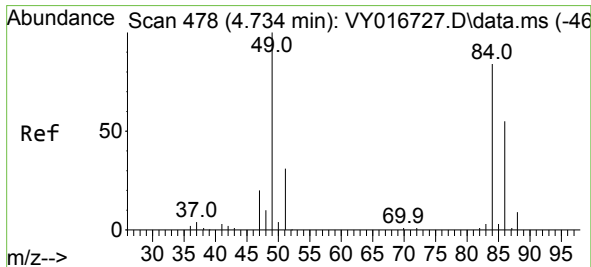
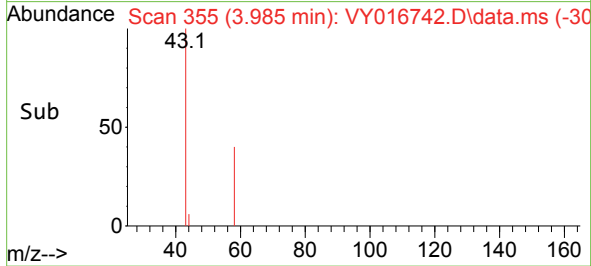
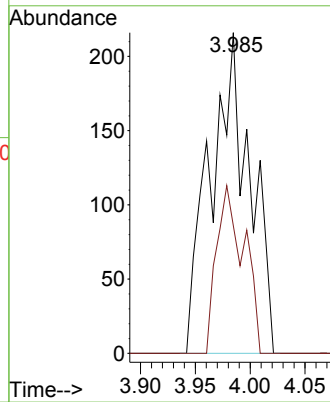
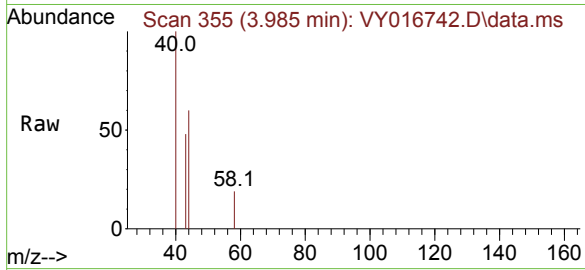
ClientSampleId :

Tgt Ion: 43 Resp: 540

Ion Ratio Lower Upper

43 100

58 39.8 26.6 39.8



#20

Methylene Chloride

Concen: 8.929 ug/l

RT: 4.753 min Scan# 481

Delta R.T. 0.019 min

Lab File: VY016742.D

Acq: 21 Dec 2023 05:57

Tgt Ion: 84 Resp: 11195

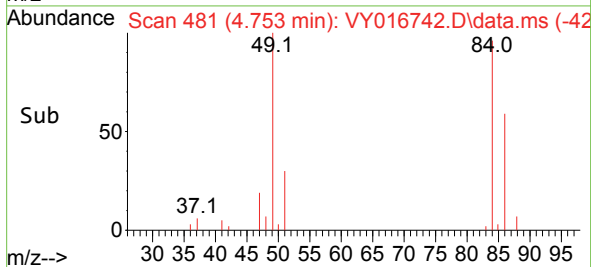
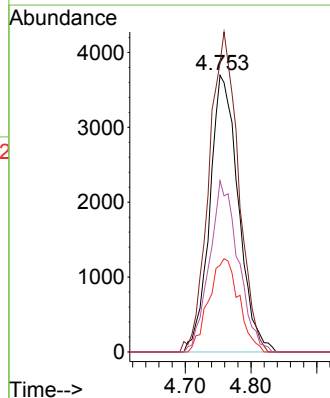
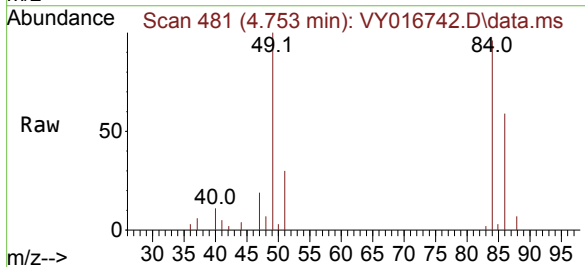
Ion Ratio Lower Upper

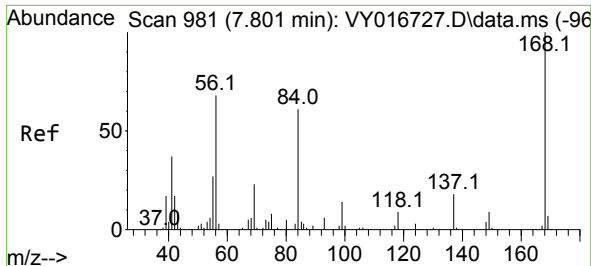
84 100

49 104.5 95.2 142.8

51 31.3 29.9 44.9

86 61.9 52.2 78.4

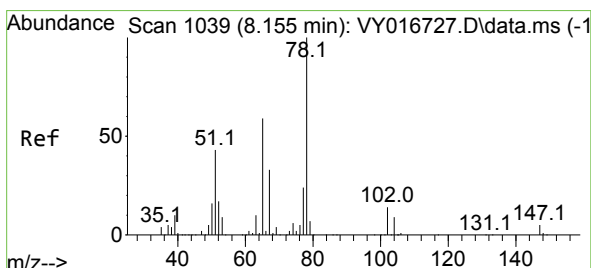
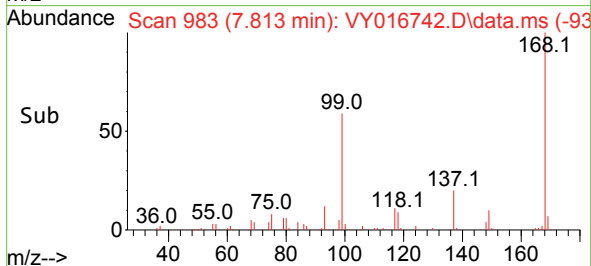
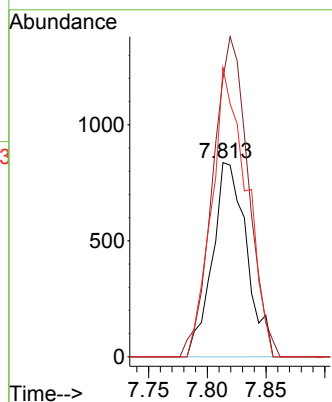
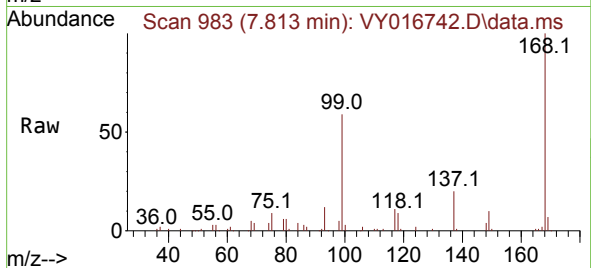




#31
Cyclohexane
Concen: 1.263 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016742.D
Acq: 21 Dec 2023 05:57

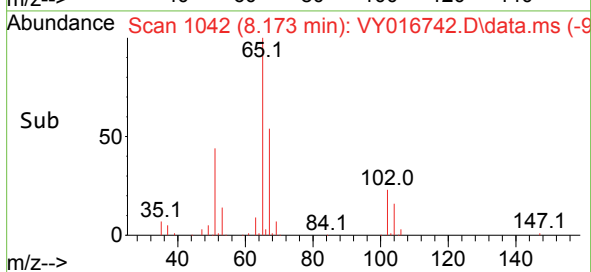
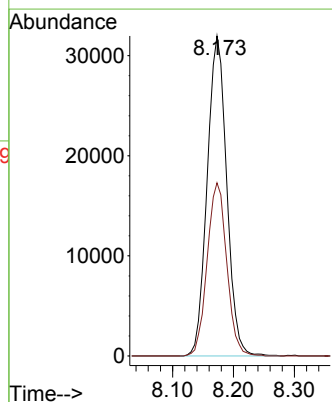
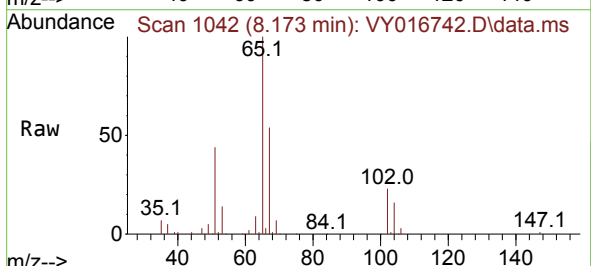
Instrument :
MSVOA_Y
ClientSampleId :

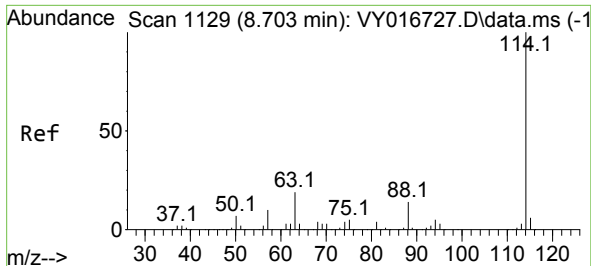
Tgt Ion: 56 Resp: 1691
Ion Ratio Lower Upper
56 100
69 143.1 27.0 40.6#
84 148.9 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 101.816 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.018 min
Lab File: VY016742.D
Acq: 21 Dec 2023 05:57

Tgt Ion: 65 Resp: 71165
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.722 min Scan# 1129

Delta R.T. 0.019 min

Lab File: VY016742.D

Acq: 21 Dec 2023 05:57

Instrument :

MSVOA_Y

ClientSampleId :

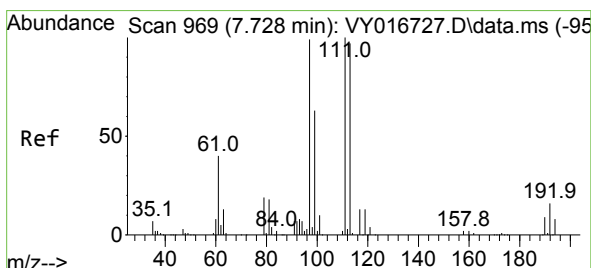
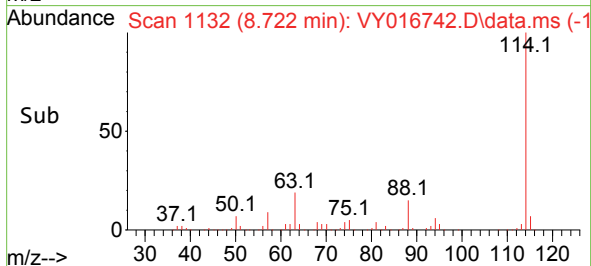
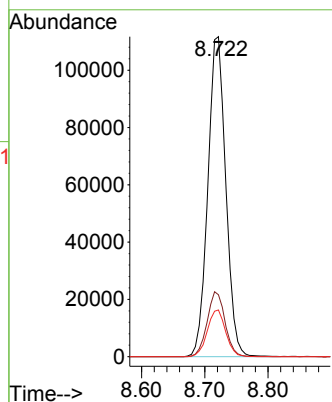
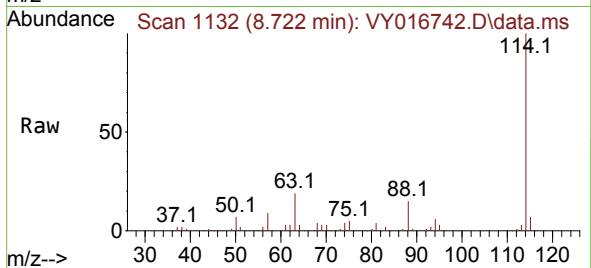
Tgt Ion:114 Resp: 220101

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.4

88 14.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 65.498 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.024 min

Lab File: VY016742.D

Acq: 21 Dec 2023 05:57

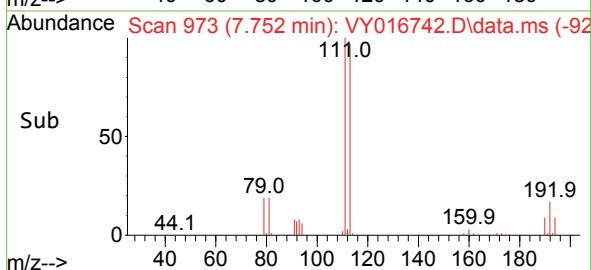
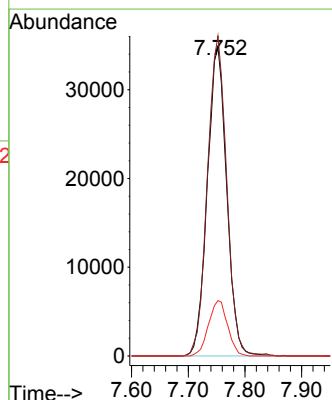
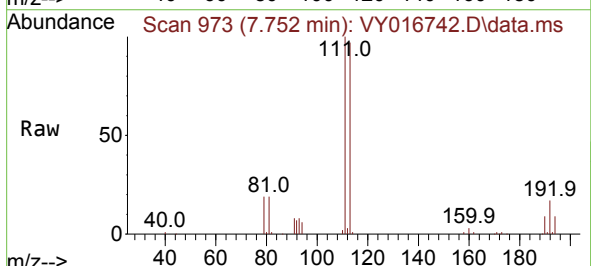
Tgt Ion:113 Resp: 82580

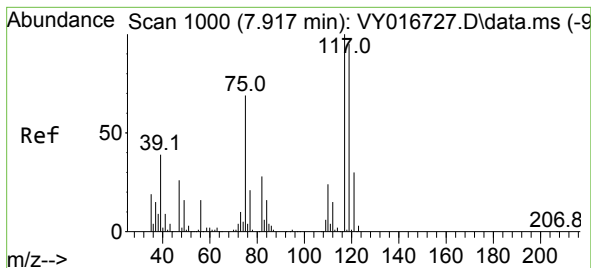
Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 17.7 14.5 21.7





#38

Carbon Tetrachloride

Concen: 4.042 ug/l

RT: 7.819 min Scan# 91

Delta R.T. -0.097 min

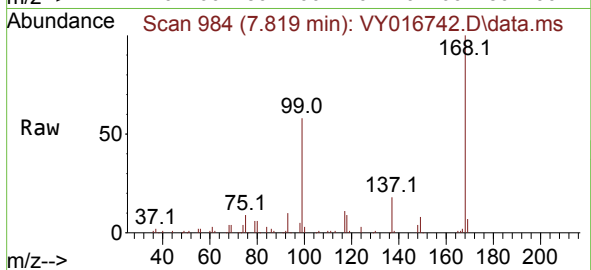
Lab File: VY016742.D

Acq: 21 Dec 2023 05:57

Instrument :

MSVOA_Y

ClientSampleId :



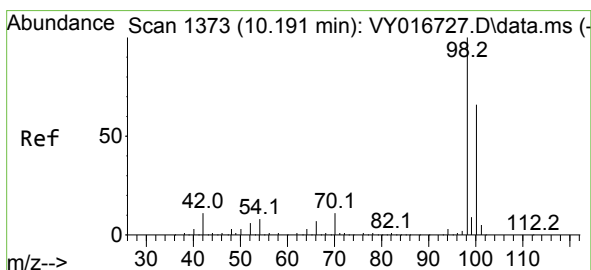
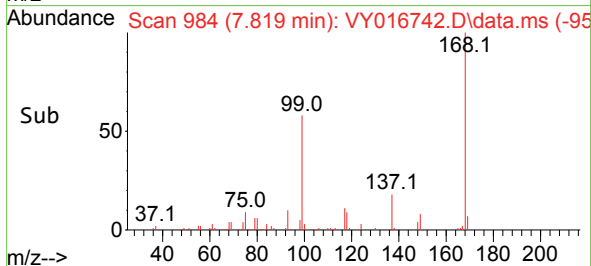
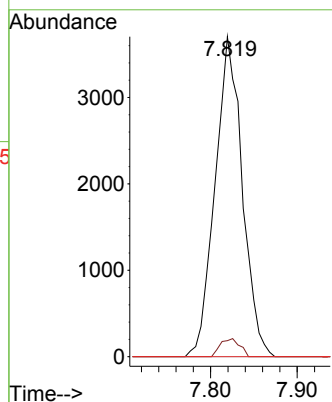
Tgt Ion:117 Resp: 8084

Ion Ratio Lower Upper

117 100

119 5.0 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 64.377 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.012 min

Lab File: VY016742.D

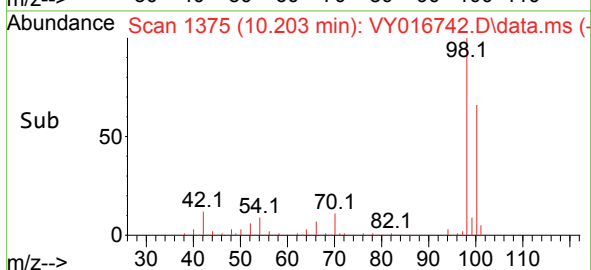
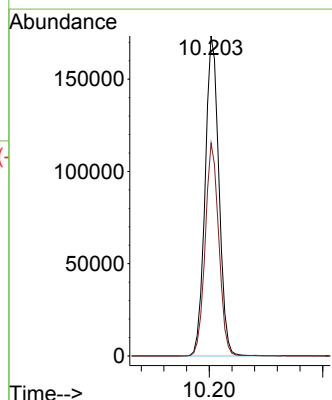
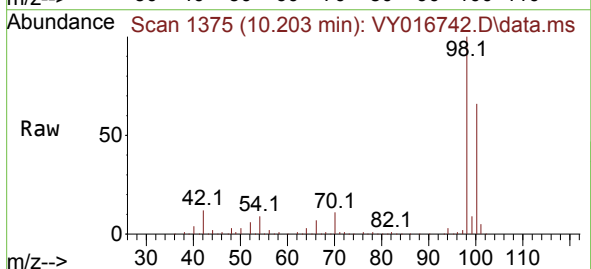
Acq: 21 Dec 2023 05:57

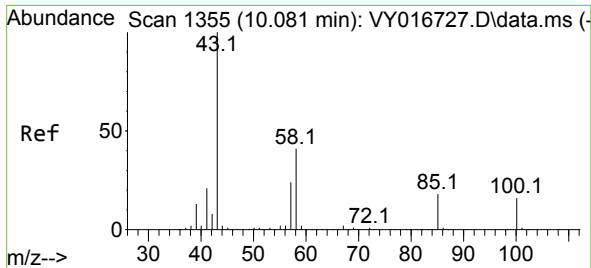
Tgt Ion: 98 Resp: 292597

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5

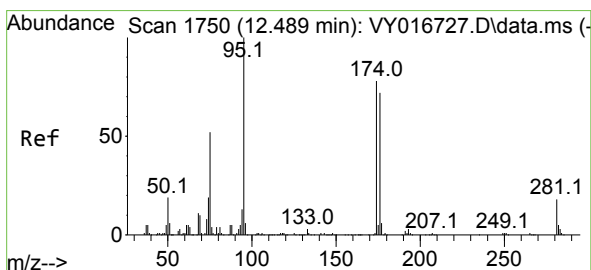
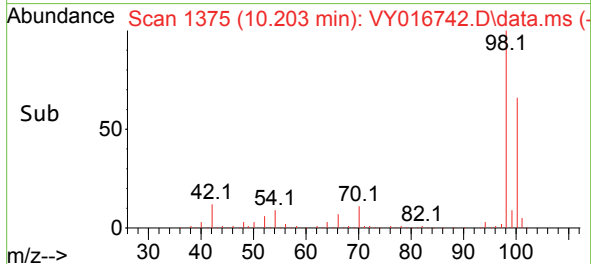
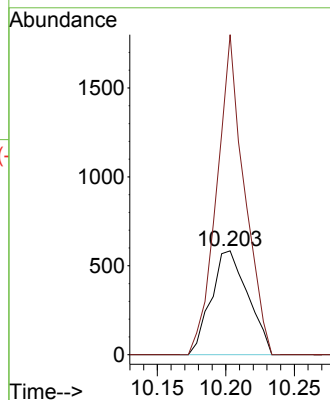
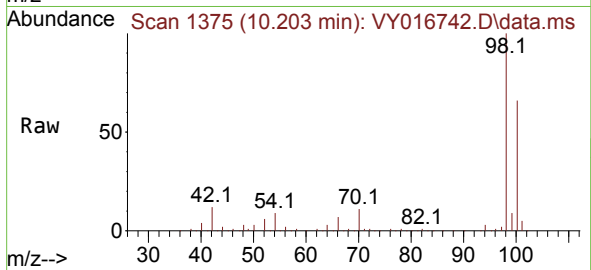




#51
 4-Methyl-2-Pentanone
 Concen: 1.216 ug/l
 RT: 10.203 min Scan# 11
 Delta R.T. 0.122 min
 Lab File: VY016742.D
 Acq: 21 Dec 2023 05:57

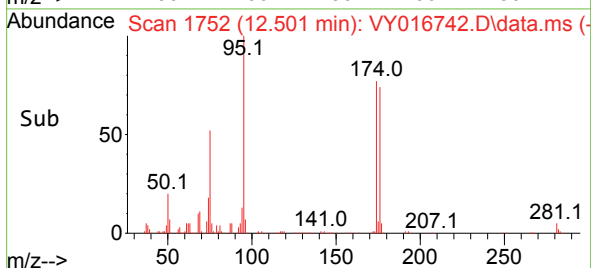
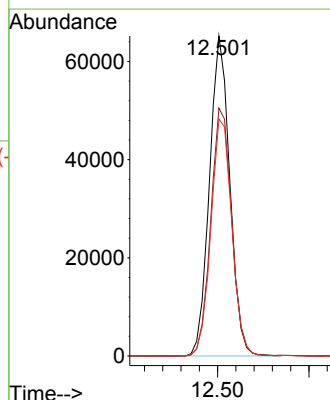
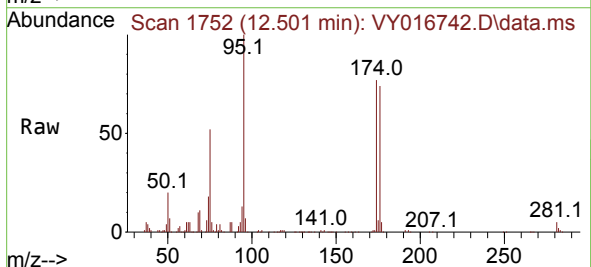
Instrument :
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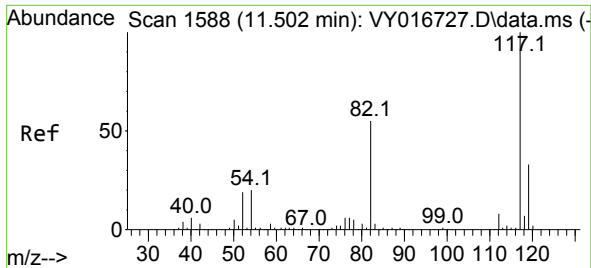
Tgt Ion: 43 Resp: 1090
 Ion Ratio Lower Upper
 43 100
 58 232.2 32.2 48.2#



#62
 4-Bromofluorobenzene
 Concen: 68.237 ug/l
 RT: 12.501 min Scan# 1752
 Delta R.T. 0.012 min
 Lab File: VY016742.D
 Acq: 21 Dec 2023 05:57

Tgt Ion: 95 Resp: 100619
 Ion Ratio Lower Upper
 95 100
 174 79.4 0.0 160.0
 176 76.3 0.0 151.8

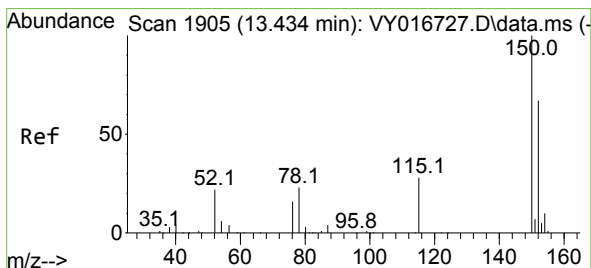
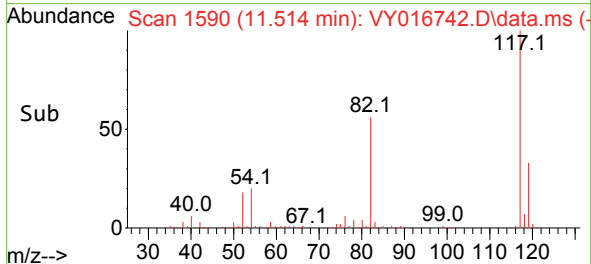
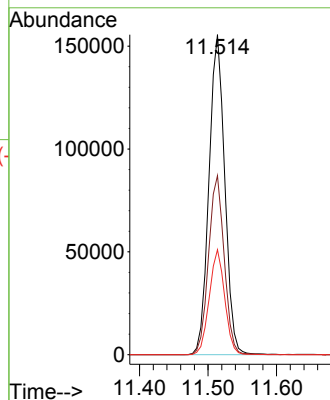
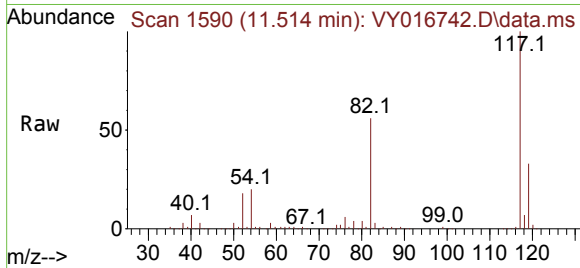




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016742.D
Acq: 21 Dec 2023 05:57

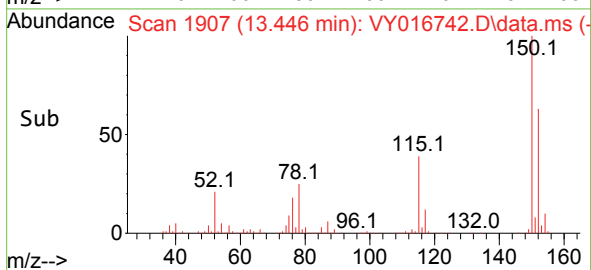
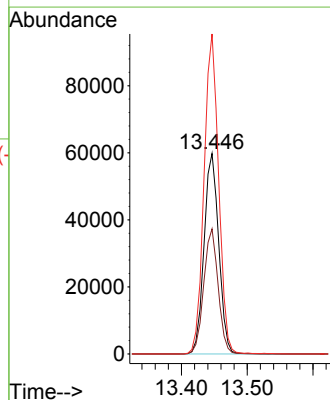
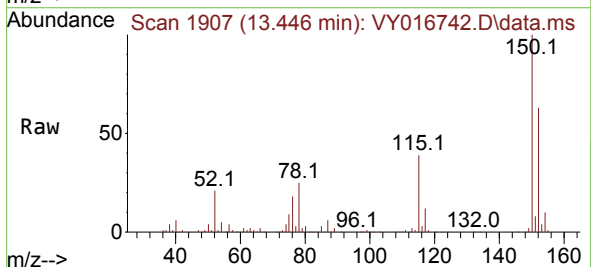
Instrument :
MSVOA_Y
ClientSampleId :

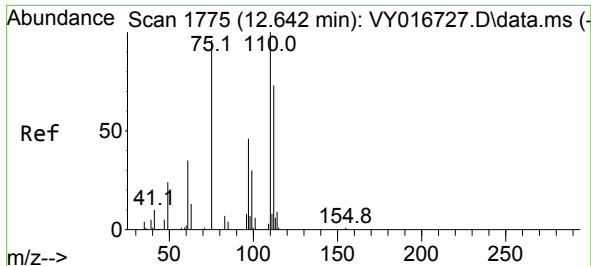
Tgt Ion:117 Resp: 249183
Ion Ratio Lower Upper
117 100
82 55.9 43.8 65.8
119 32.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.012 min
Lab File: VY016742.D
Acq: 21 Dec 2023 05:57

Tgt Ion:152 Resp: 92607
Ion Ratio Lower Upper
152 100
115 61.2 30.0 90.0
150 158.6 0.0 344.6

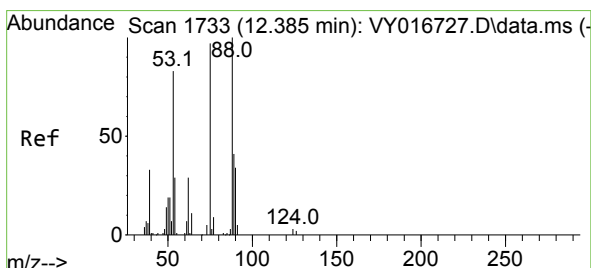
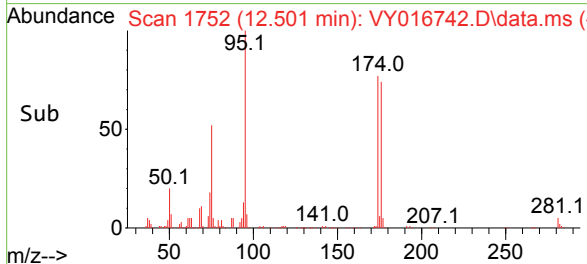
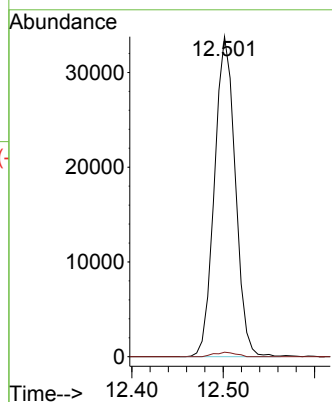
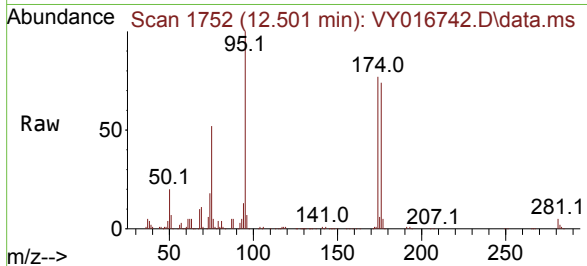




#76
1,2,3-Trichloropropane
Concen: 52.257 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. -0.140 min
Lab File: VY016742.D
Acq: 21 Dec 2023 05:57

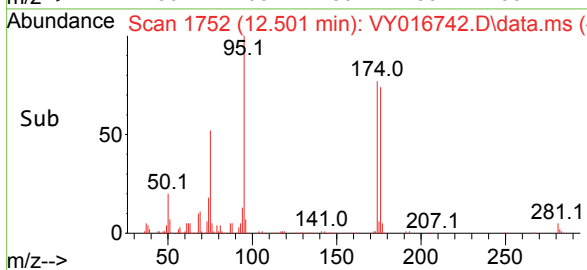
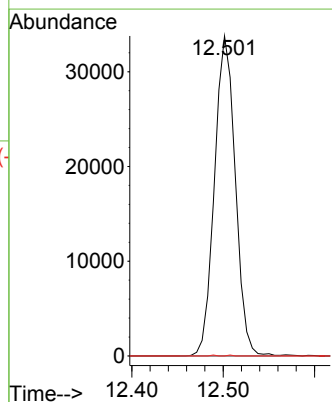
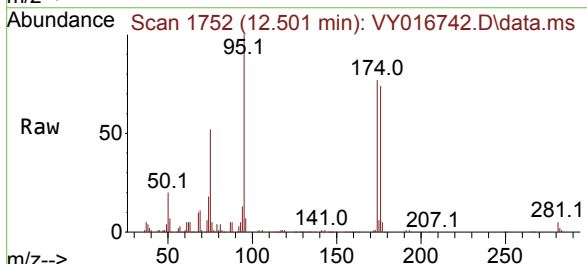
Instrument :
MSVOA_Y
ClientSampleId :

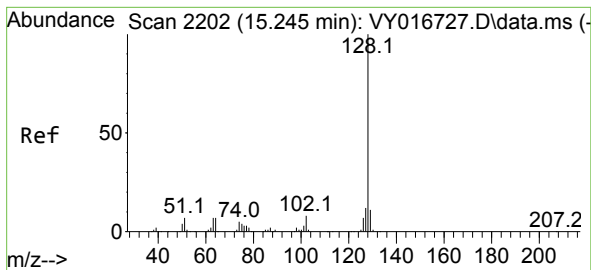
Tgt Ion: 75 Resp: 53497
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.723 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016742.D
Acq: 21 Dec 2023 05:57

Tgt Ion: 75 Resp: 53497
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#





#95

Naphthalene

Concen: 3.682 ug/l

RT: 15.251 min Scan# 21

Delta R.T. 0.006 min

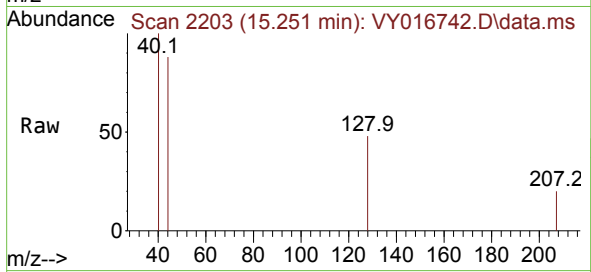
Lab File: VY016742.D

Acq: 21 Dec 2023 05:57

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 282

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#

