

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016824.D
 Acq On : 22 Dec 2023 21:28
 Operator : SY/MD
 Sample : 05957-01
 Misc : 6.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:06:14 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	99322	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	223994	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	228672	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	85788	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	71485	78.841	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	157.680%
35) Dibromofluoromethane	7.746	113	70956	55.301	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.600%
50) Toluene-d8	10.203	98	253451	54.795	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.600%
62) 4-Bromofluorobenzene	12.502	95	84282	56.165	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.320%

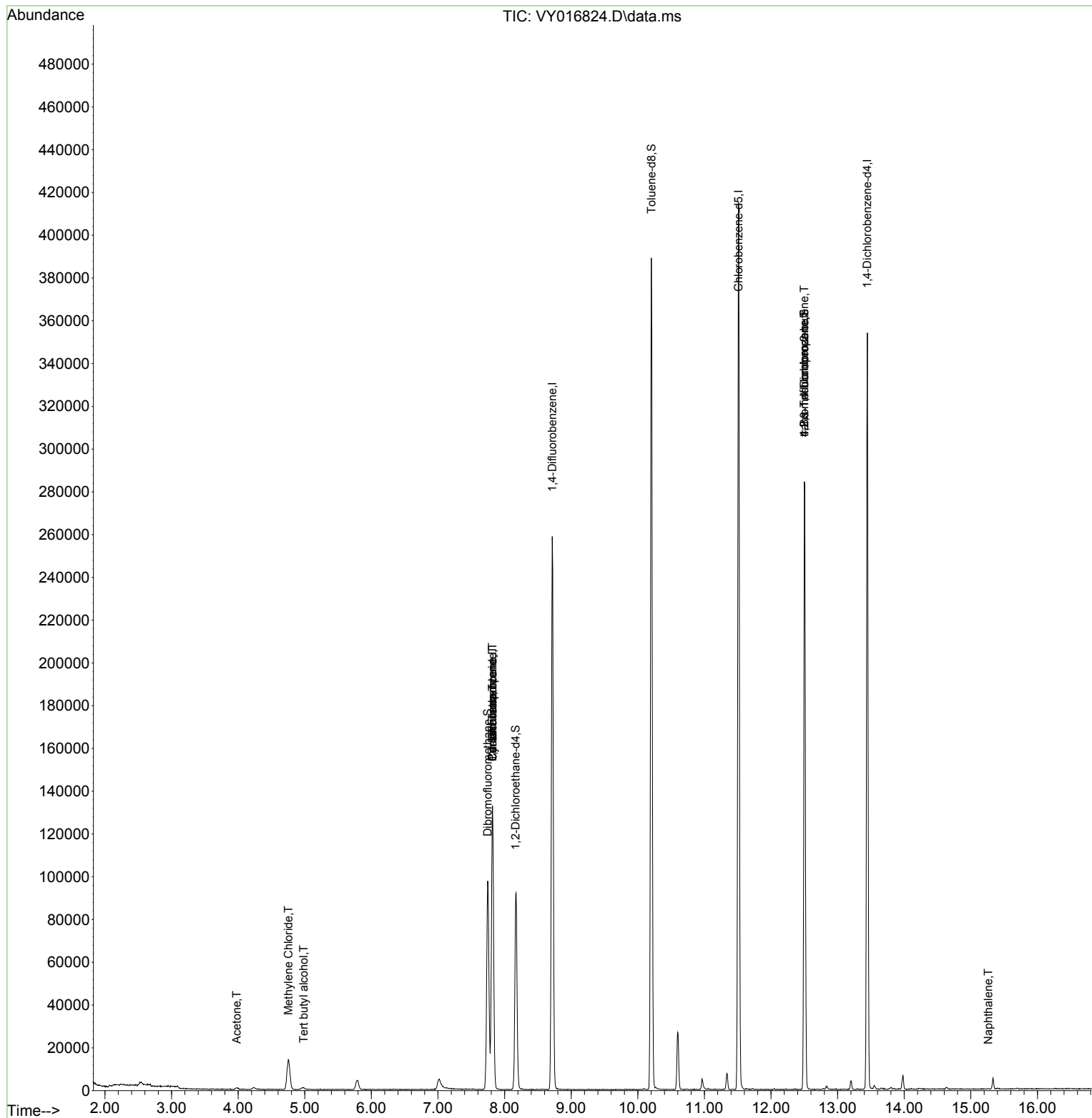
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.985	59	1451	19.518	ug/l #	75
16) Acetone	3.979	43	1625	6.628	ug/l #	86
20) Methylene Chloride	4.753	84	10712	5.803	ug/l	97
31) Cyclohexane	7.819	56	2310	1.330	ug/l #	20
36) 1,1-Dichloropropene	7.819	75	8980	4.366	ug/l #	49
38) Carbon Tetrachloride	7.819	117	10398	5.108	ug/l #	17
76) 1,2,3-Trichloropropane	12.502	75	44678	47.112	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.502	75	44678	110.639	ug/l #	13
95) Naphthalene	15.263	128	185	3.656	ug/l #	69

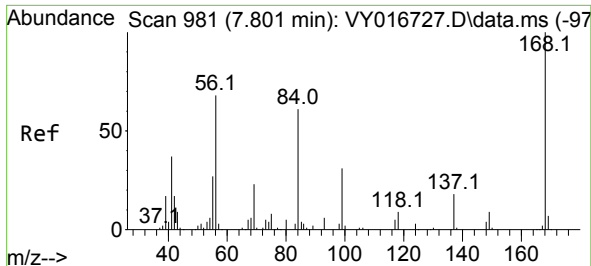
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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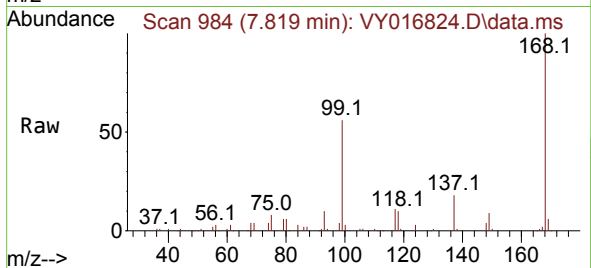
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
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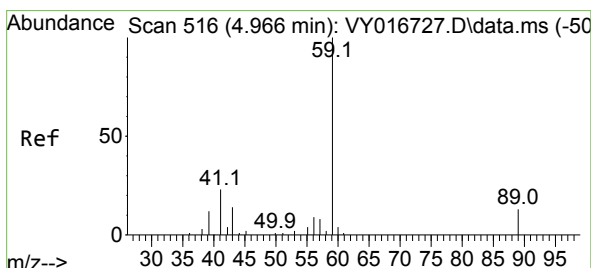
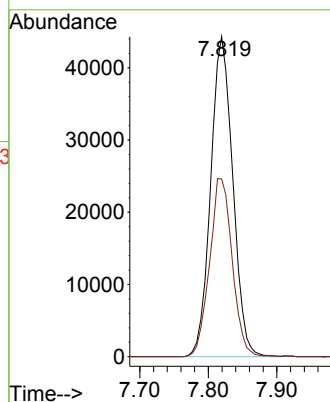
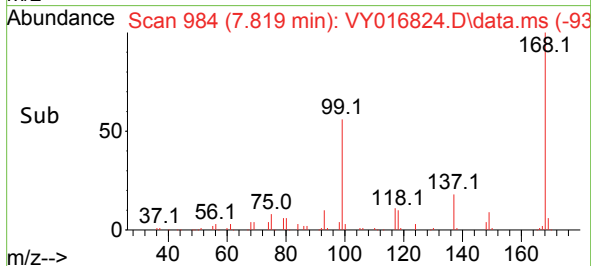


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016824.D
Acq: 22 Dec 2023 21:28

Instrument :
MSVOA_Y
ClientSampleId :

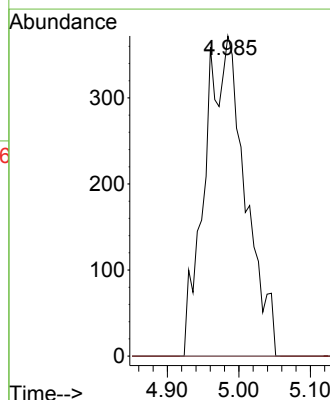
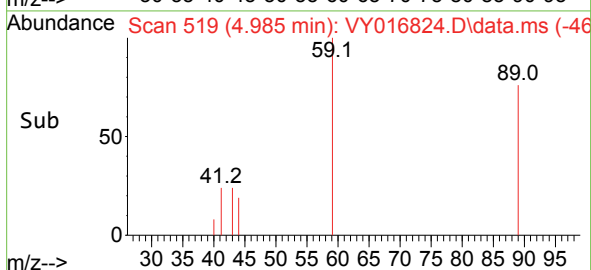
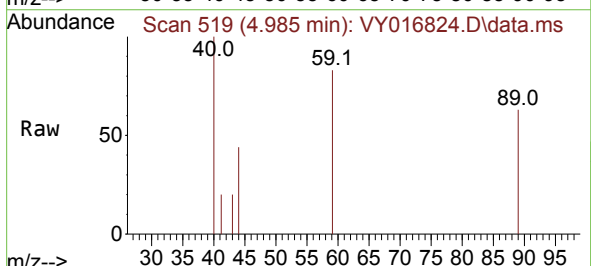


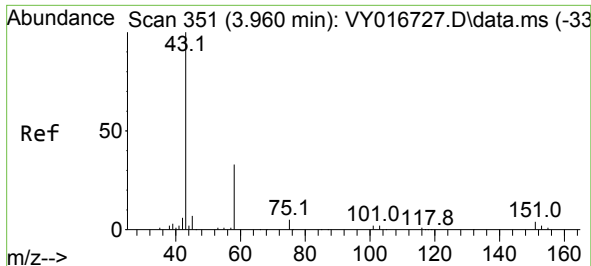
Tgt Ion:168 Resp: 99322
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#11
Tert butyl alcohol
Concen: 19.518 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.019 min
Lab File: VY016824.D
Acq: 22 Dec 2023 21:28

Tgt Ion: 59 Resp: 1451
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 6.628 ug/l

RT: 3.979 min Scan# 3

Delta R.T. 0.019 min

Lab File: VY016824.D

Acq: 22 Dec 2023 21:28

Instrument :

MSVOA_Y

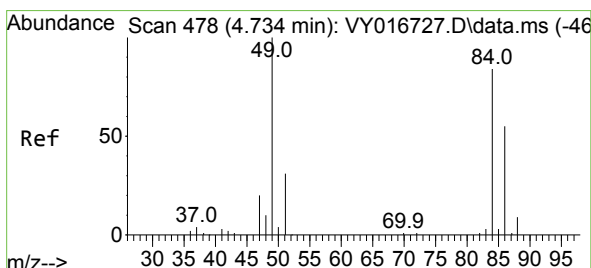
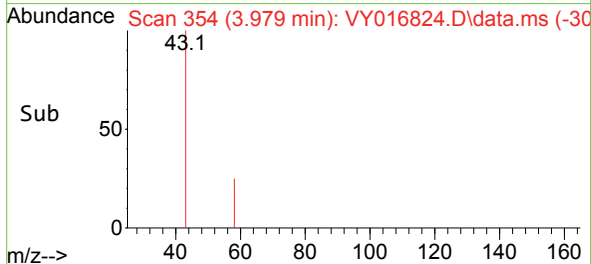
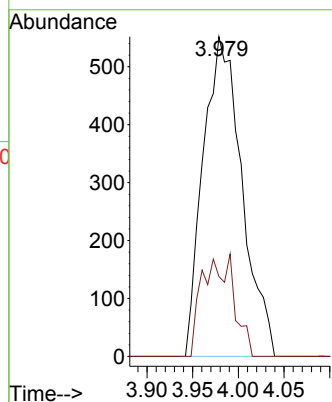
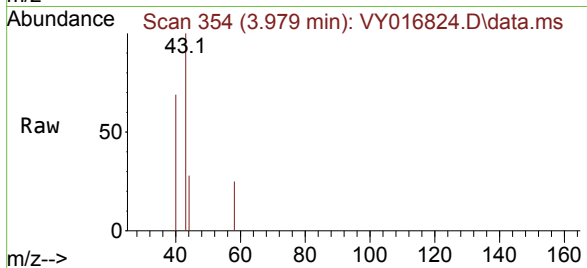
ClientSampleId :

Tgt Ion: 43 Resp: 1625

Ion Ratio Lower Upper

43 100

58 25.0 26.6 39.8#



#20

Methylene Chloride

Concen: 5.803 ug/l

RT: 4.753 min Scan# 481

Delta R.T. 0.019 min

Lab File: VY016824.D

Acq: 22 Dec 2023 21:28

Tgt Ion: 84 Resp: 10712

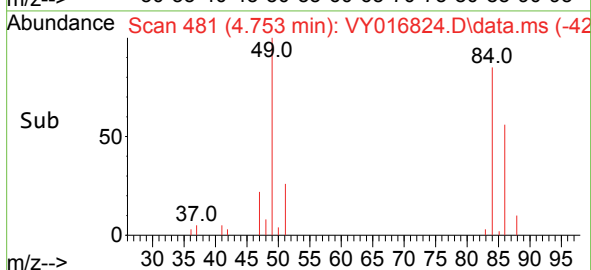
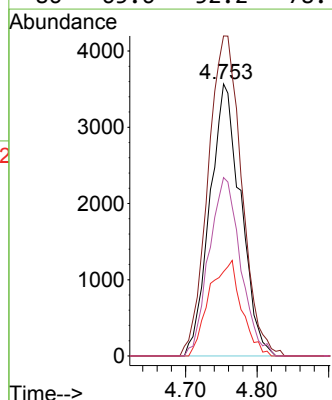
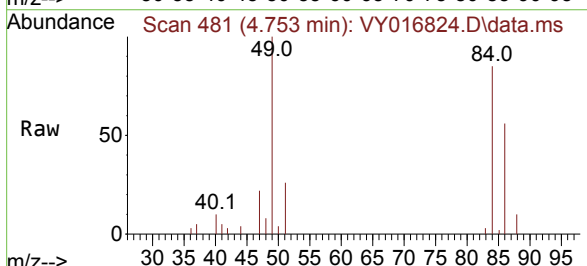
Ion Ratio Lower Upper

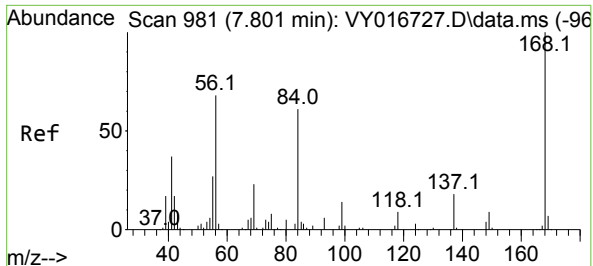
84 100

49 117.7 95.2 142.8

51 31.0 29.9 44.9

86 65.6 52.2 78.4

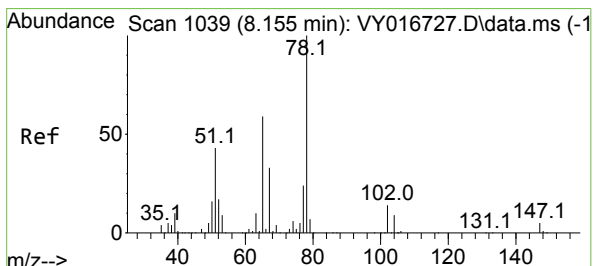
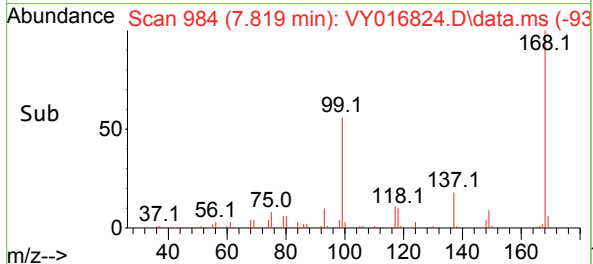
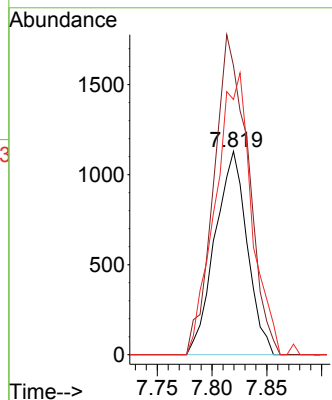
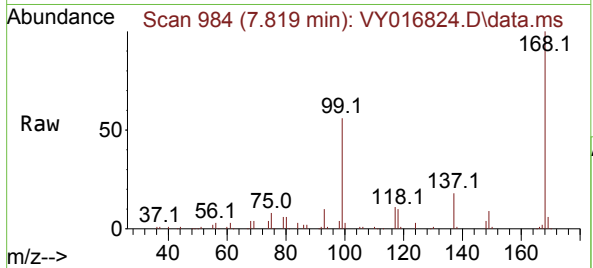




#31
Cyclohexane
Concen: 1.330 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016824.D
Acq: 22 Dec 2023 21:28

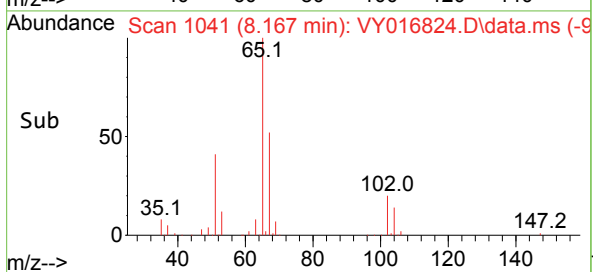
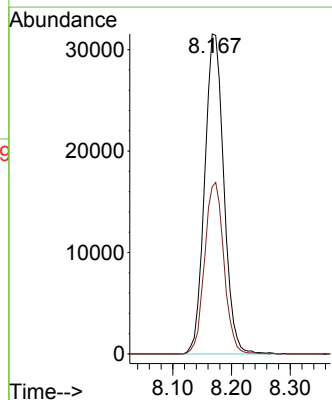
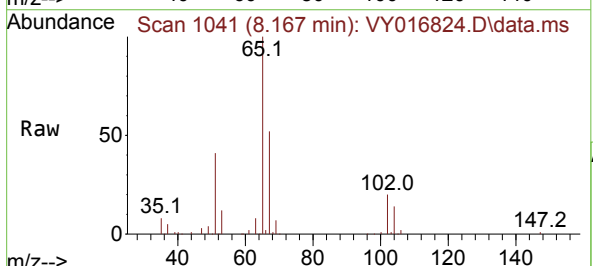
Instrument :
MSVOA_Y
ClientSampleId :

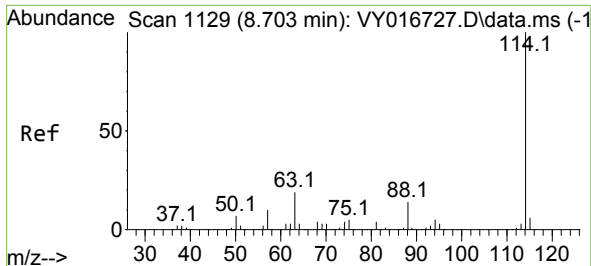
Tgt Ion: 56 Resp: 2310
Ion Ratio Lower Upper
56 100
69 142.2 27.0 40.6#
84 125.5 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 78.841 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY016824.D
Acq: 22 Dec 2023 21:28

Tgt Ion: 65 Resp: 71485
Ion Ratio Lower Upper
65 100
67 54.0 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: VY016824.D

Acq: 22 Dec 2023 21:28

Instrument :

MSVOA_Y

ClientSampleId :

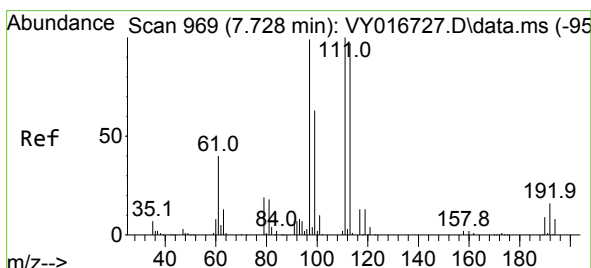
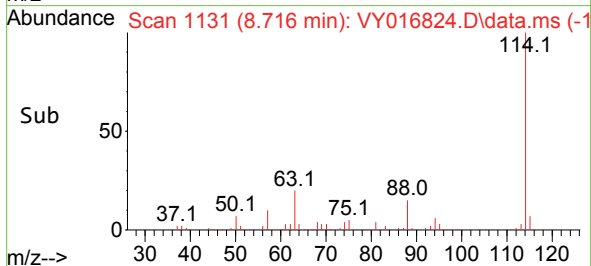
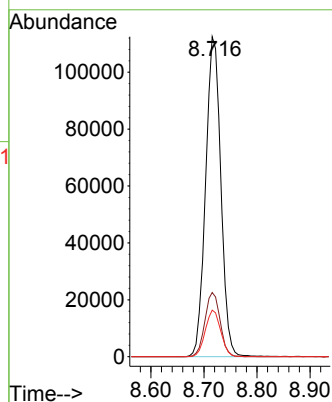
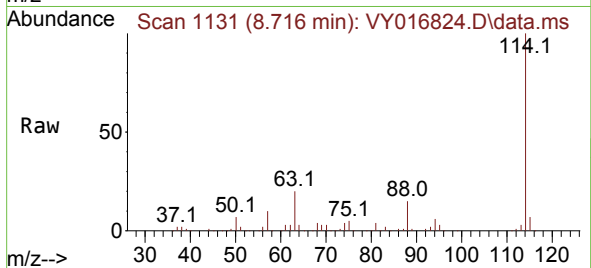
Tgt Ion:114 Resp: 223994

Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.4

88 14.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 55.301 ug/l

RT: 7.746 min Scan# 972

Delta R.T. 0.018 min

Lab File: VY016824.D

Acq: 22 Dec 2023 21:28

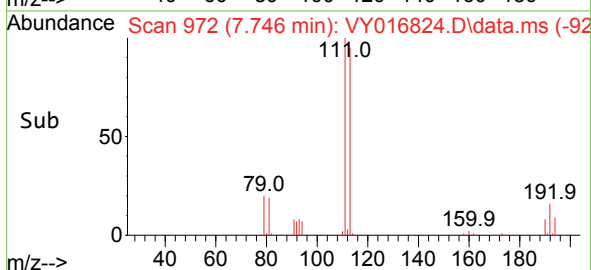
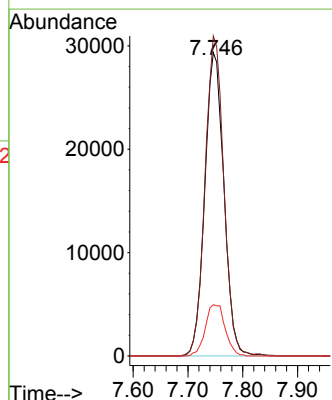
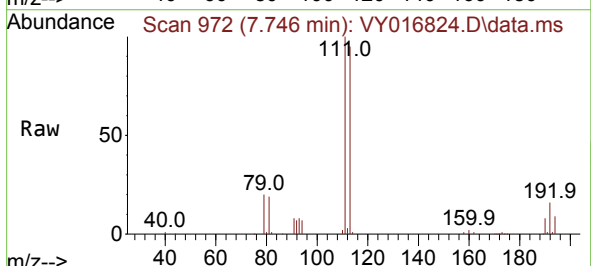
Tgt Ion:113 Resp: 70956

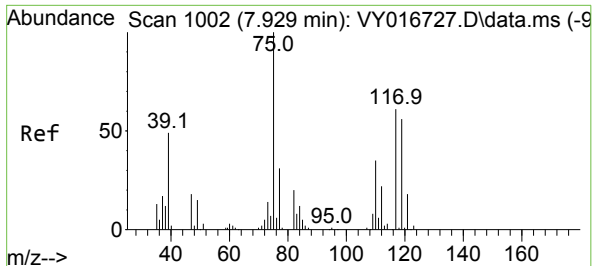
Ion Ratio Lower Upper

113 100

111 103.6 83.8 125.6

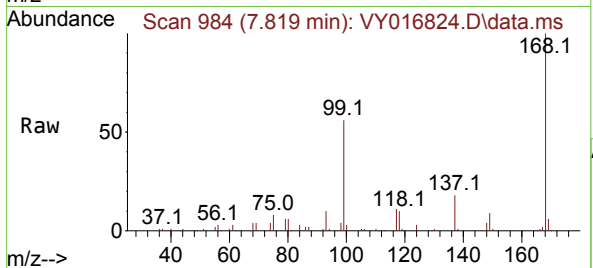
192 17.6 14.5 21.7



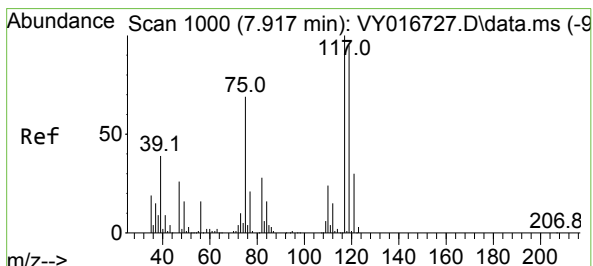
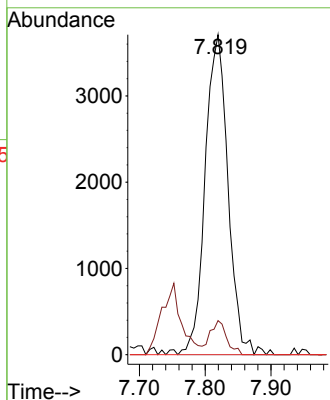
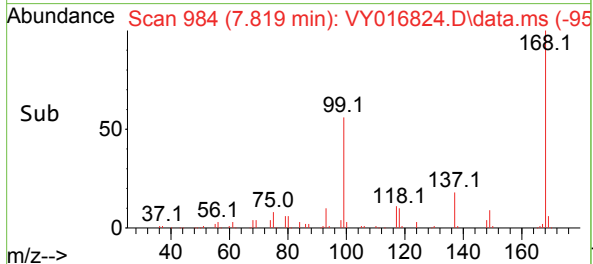


#36
 1,1-Dichloropropene
 Concen: 4.366 ug/l
 RT: 7.819 min Scan# 984
 Delta R.T. -0.110 min
 Lab File: VY016824.D
 Acq: 22 Dec 2023 21:28

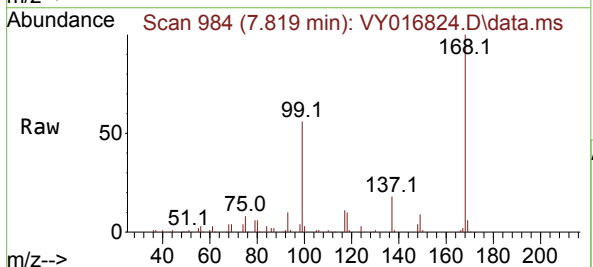
Instrument :
 MSVOA_Y
 ClientSampleId :



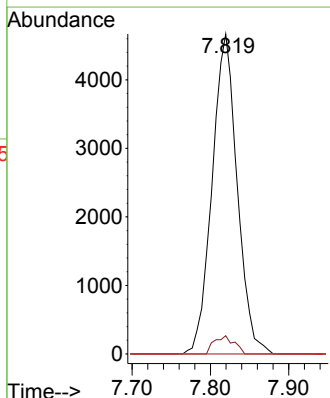
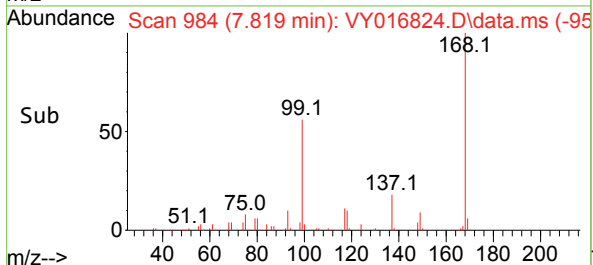
Tgt Ion: 75 Resp: 8980
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.4 52.3#
 77 0.0 24.7 37.1#

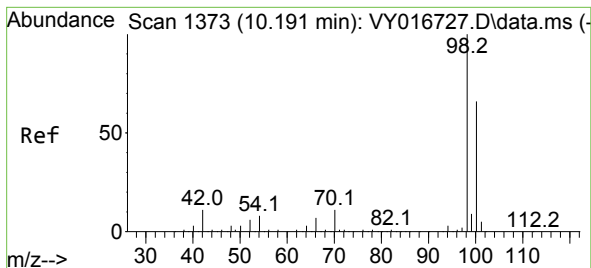


#38
 Carbon Tetrachloride
 Concen: 5.108 ug/l
 RT: 7.819 min Scan# 984
 Delta R.T. -0.097 min
 Lab File: VY016824.D
 Acq: 22 Dec 2023 21:28



Tgt Ion: 117 Resp: 10398
 Ion Ratio Lower Upper
 117 100
 119 5.7 76.0 114.0#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 54.795 ug/l

RT: 10.203 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY016824.D

Acq: 22 Dec 2023 21:28

Instrument :

MSVOA_Y

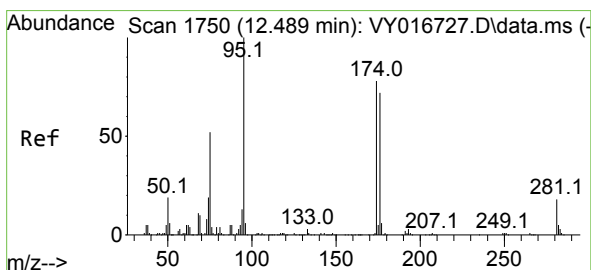
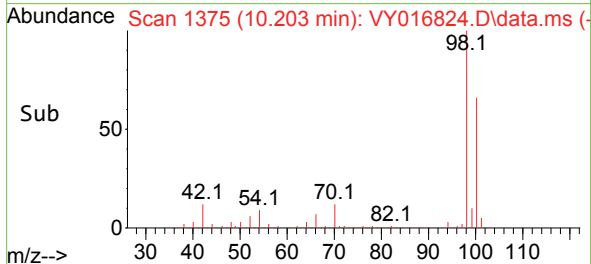
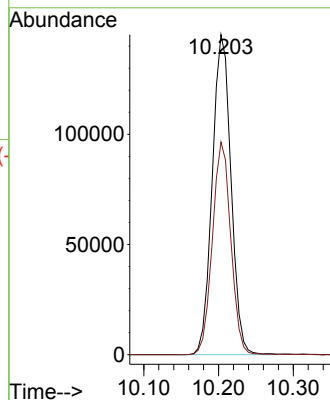
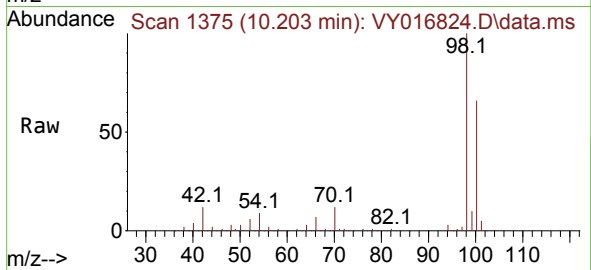
ClientSampleId :

Tgt Ion: 98 Resp: 253451

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 56.165 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY016824.D

Acq: 22 Dec 2023 21:28

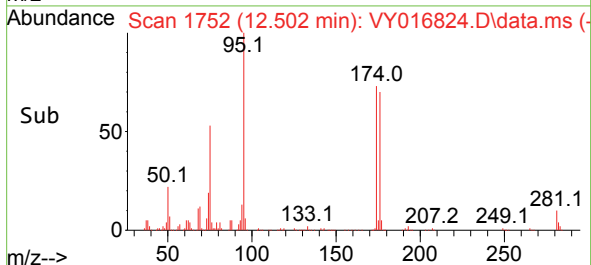
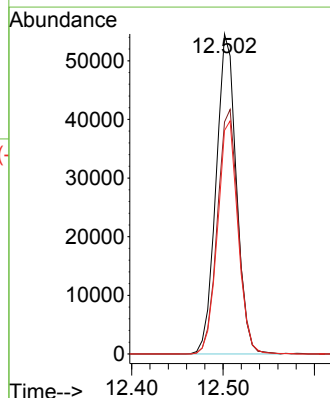
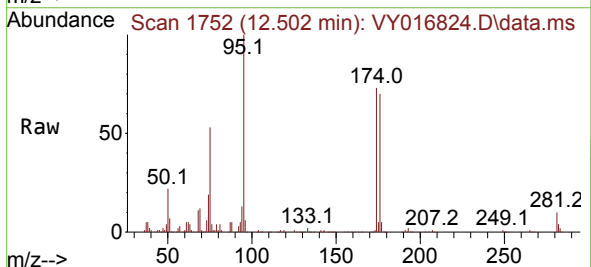
Tgt Ion: 95 Resp: 84282

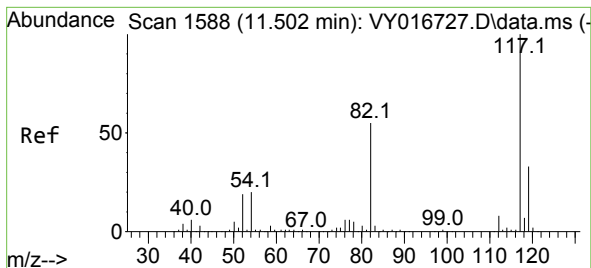
Ion Ratio Lower Upper

95 100

174 78.2 0.0 160.0

176 73.3 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: VY016824.D

Acq: 22 Dec 2023 21:28

Instrument :

MSVOA_Y

ClientSampleId :

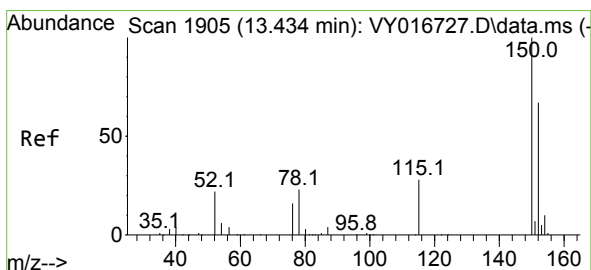
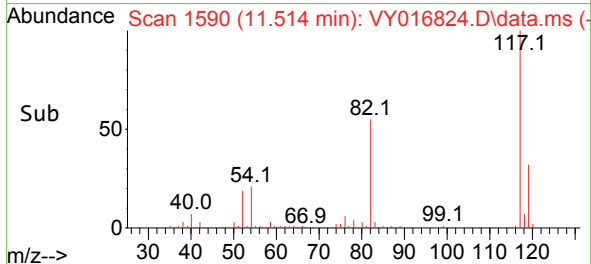
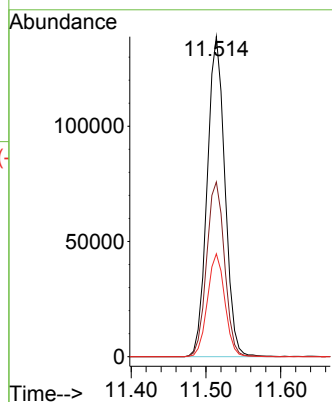
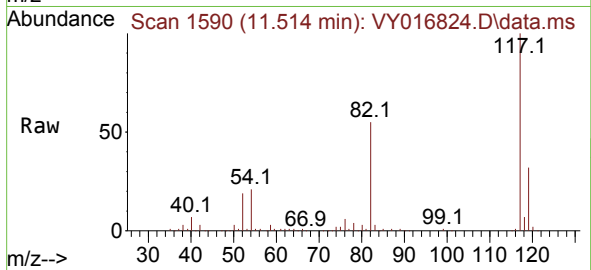
Tgt Ion:117 Resp: 228672

Ion Ratio Lower Upper

117 100

82 54.6 43.8 65.8

119 32.1 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: VY016824.D

Acq: 22 Dec 2023 21:28

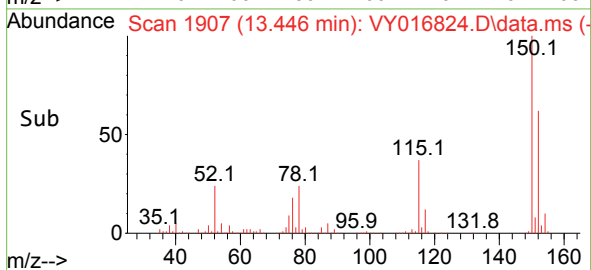
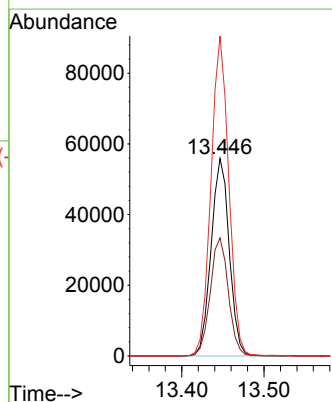
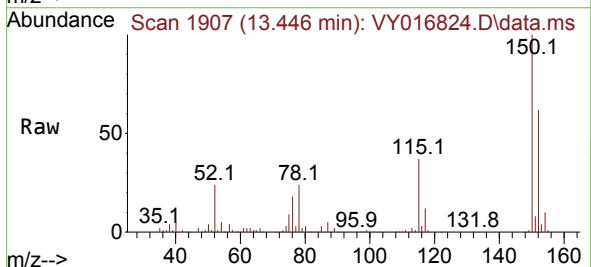
Tgt Ion:152 Resp: 85788

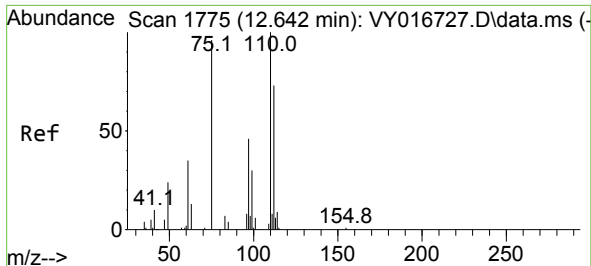
Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

150 158.9 0.0 344.6

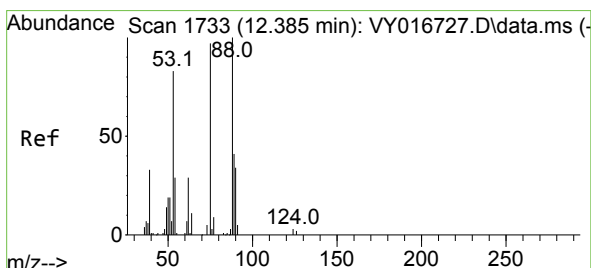
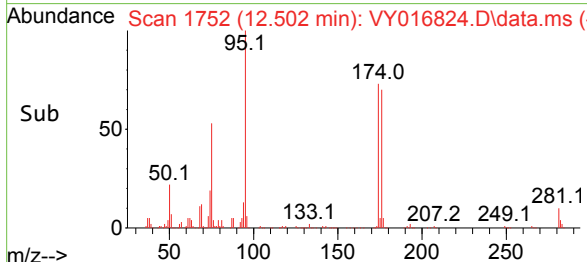
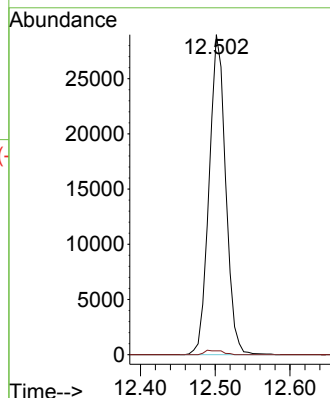
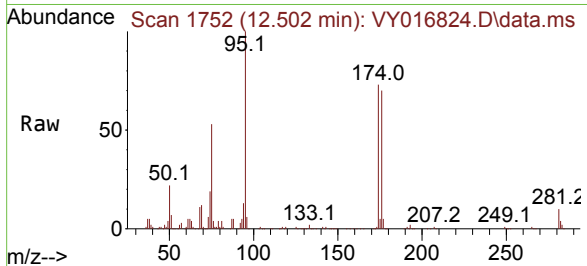




#76
1,2,3-Trichloropropane
Concen: 47.112 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. -0.140 min
Lab File: VY016824.D
Acq: 22 Dec 2023 21:28

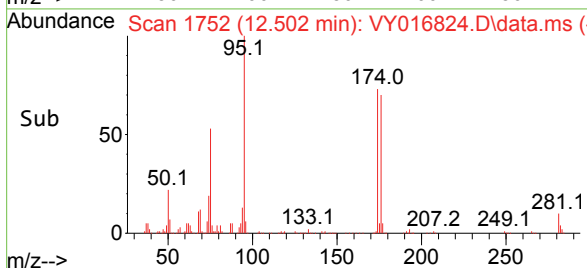
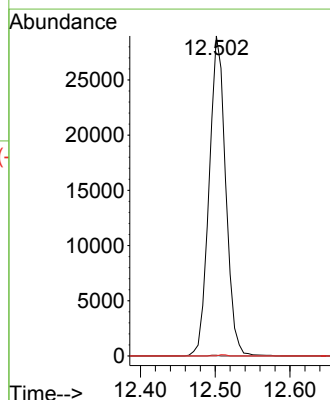
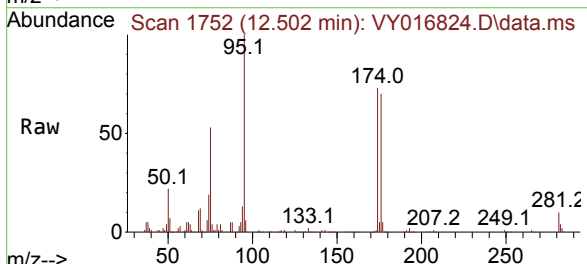
Instrument :
MSVOA_Y
ClientSampleId :

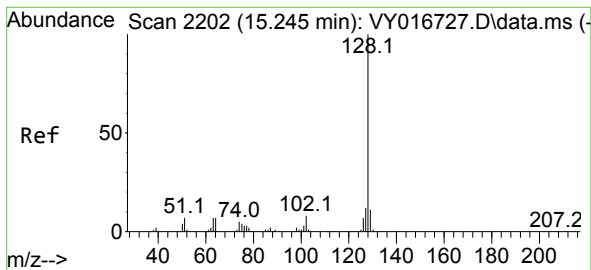
Tgt Ion: 75 Resp: 44678
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.639 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016824.D
Acq: 22 Dec 2023 21:28

Tgt Ion: 75 Resp: 44678
Ion Ratio Lower Upper
75 100
53 0.1 74.0 111.0#
89 0.2 36.5 54.7#





#95

Naphthalene

Concen: 3.656 ug/l

RT: 15.263 min Scan# 21

Delta R.T. 0.018 min

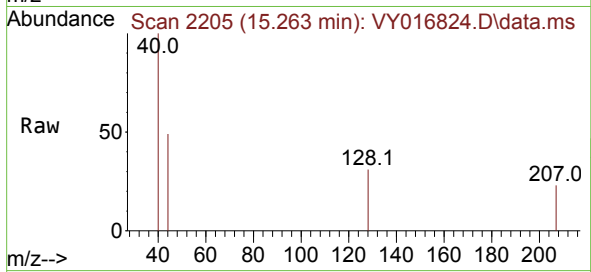
Lab File: VY016824.D

Acq: 22 Dec 2023 21:28

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 185

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#

