

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017447.D
 Acq On : 21 Feb 2024 18:50
 Operator : SY/MD
 Sample : P1537-14
 Misc : 4.82g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 14

Quant Time: Feb 22 03:42:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

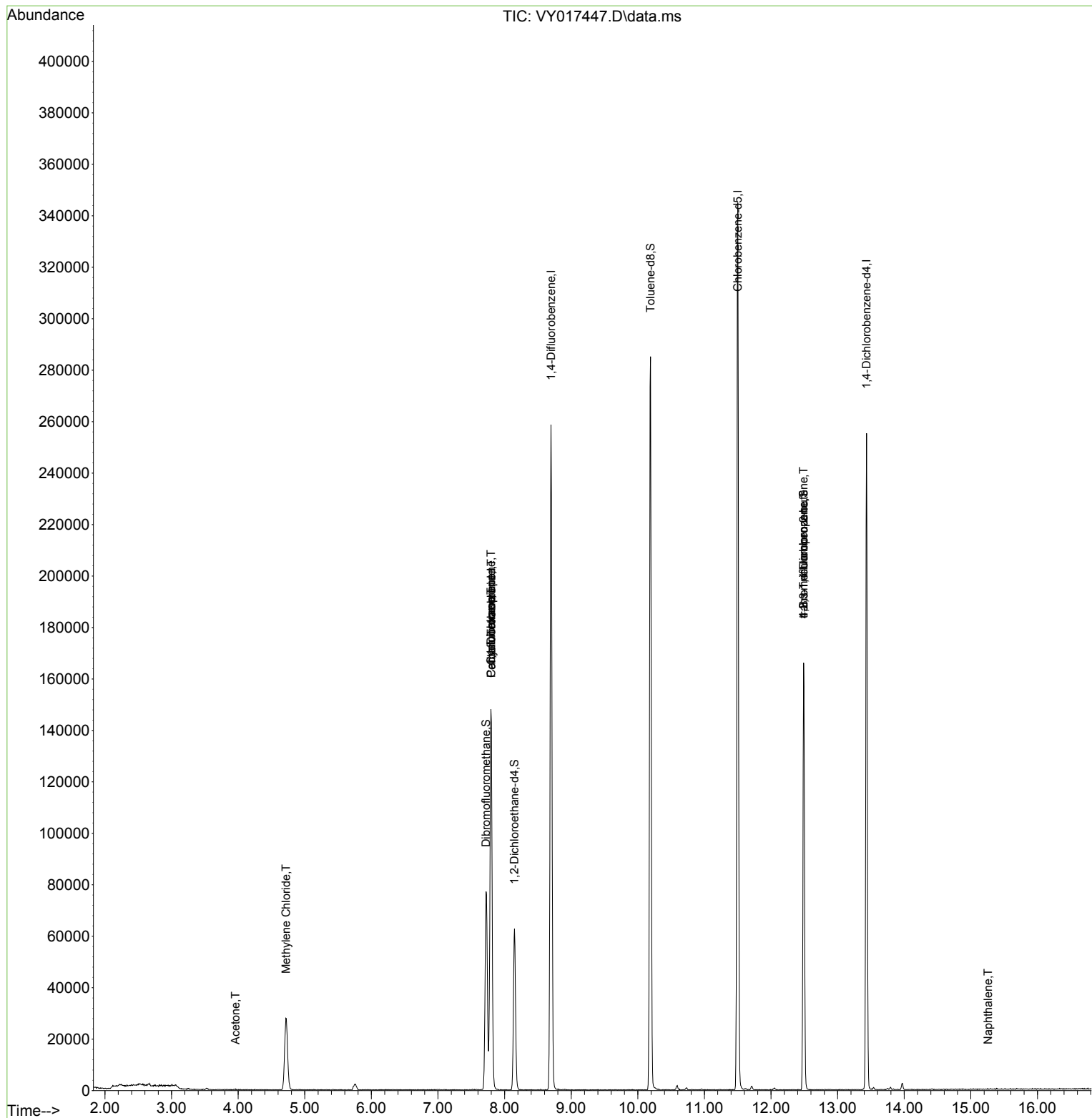
Internal Standards						
1) Pentafluorobenzene	7.801	168	124449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	233849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	208204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	71055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	47830	44.989	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.980%
35) Dibromofluoromethane	7.722	113	57412	41.941	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.880%
50) Toluene-d8	10.191	98	197053	37.117	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	74.240%
62) 4-Bromofluorobenzene	12.489	95	50397	29.207	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	58.420%
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	212	Below Cal		95
16) Acetone	3.960	43	265	1.151	ug/l #	36
20) Methylene Chloride	4.716	84	23362	11.894	ug/l	98
31) Cyclohexane	7.795	56	2151	1.022	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	8673	3.794	ug/l #	47
38) Carbon Tetrachloride	7.801	117	11194	4.918	ug/l #	18
76) 1,2,3-Trichloropropane	12.489	75	25137	36.486	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	25137	85.070	ug/l #	16
95) Naphthalene	15.257	128	56	3.564	ug/l #	69

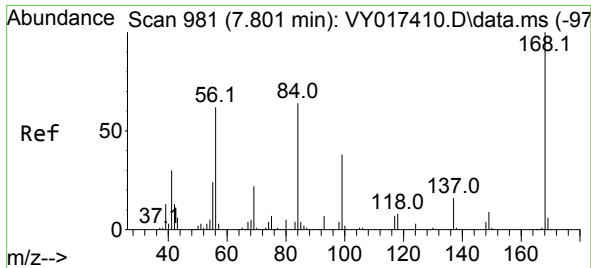
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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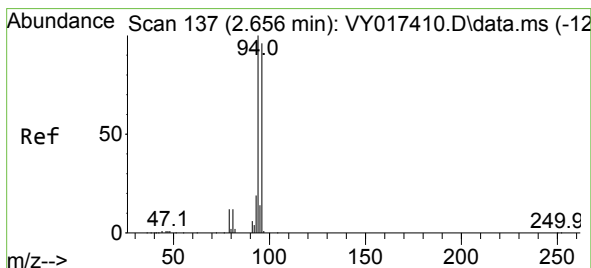
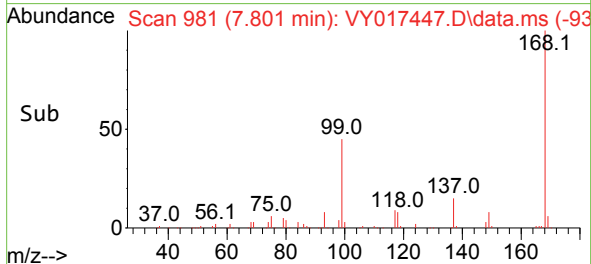
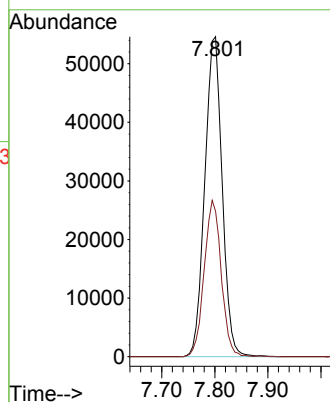
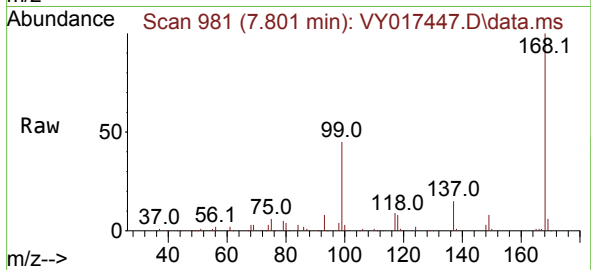




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY017447.D
Acq: 21 Feb 2024 18:50

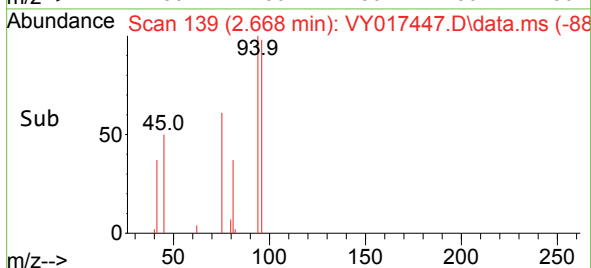
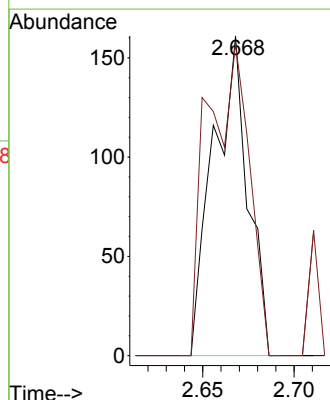
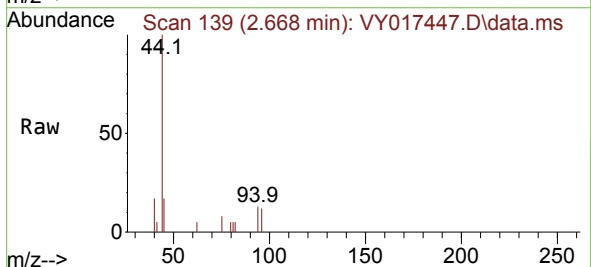
Instrument :
MSVOA_Y
ClientSampleId :
14

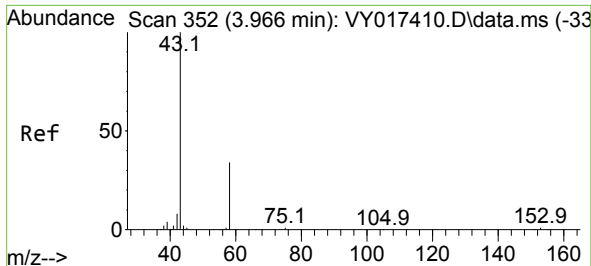
Tgt Ion:168 Resp: 124449
Ion Ratio Lower Upper
168 100
99 45.5 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY017447.D
Acq: 21 Feb 2024 18:50

Tgt Ion: 94 Resp: 212
Ion Ratio Lower Upper
94 100
96 97.5 74.1 111.1

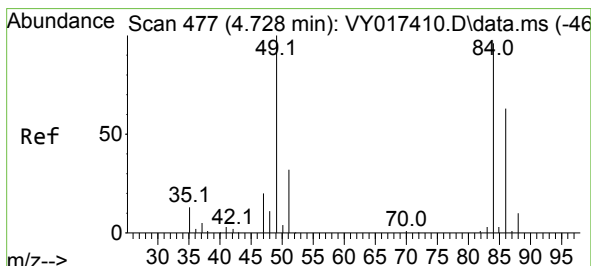
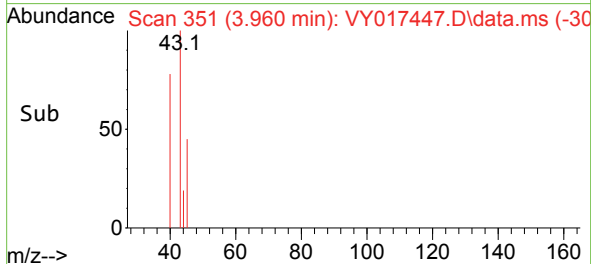
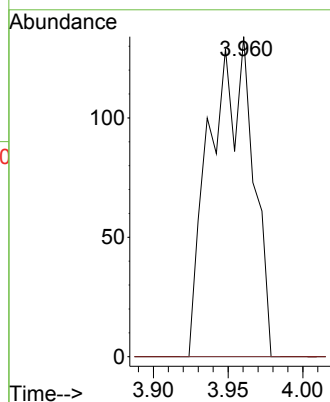
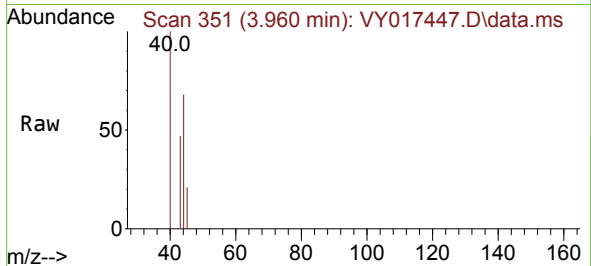




#16
Acetone
Concen: 1.151 ug/l
RT: 3.960 min Scan# 314
Delta R.T. -0.006 min
Lab File: VY017447.D
Acq: 21 Feb 2024 18:50

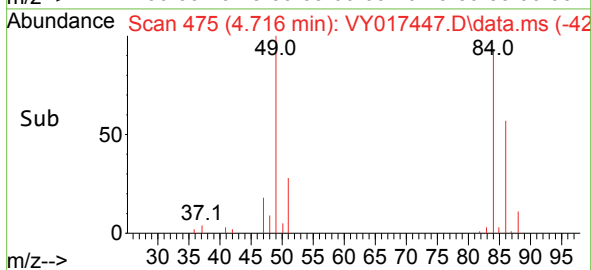
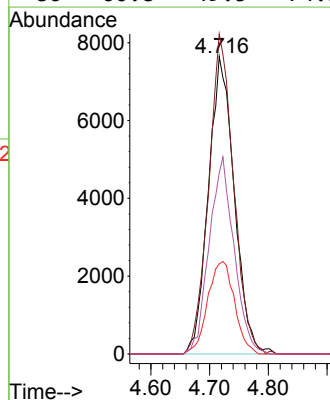
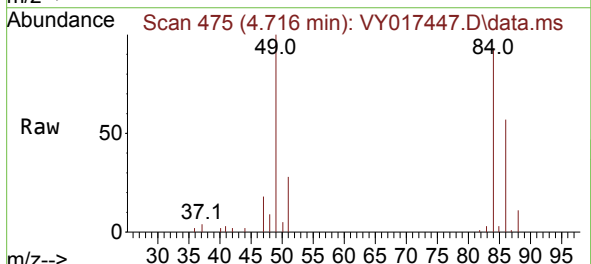
Instrument :
MSVOA_Y
ClientSampleId :
14

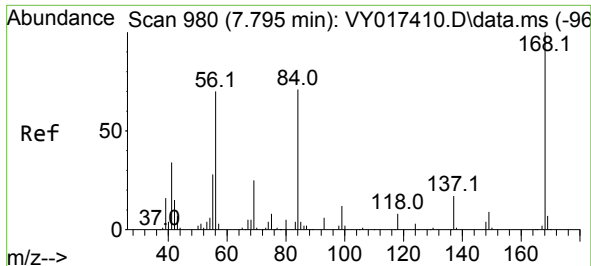
Tgt Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#20
Methylene Chloride
Concen: 11.894 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY017447.D
Acq: 21 Feb 2024 18:50

Tgt Ion: 84 Resp: 23362
Ion Ratio Lower Upper
84 100
49 107.5 84.4 126.6
51 30.3 26.0 39.0
86 60.8 49.5 74.3

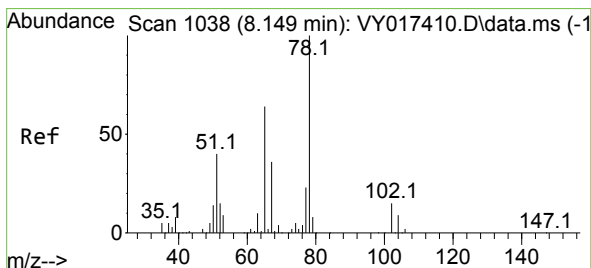
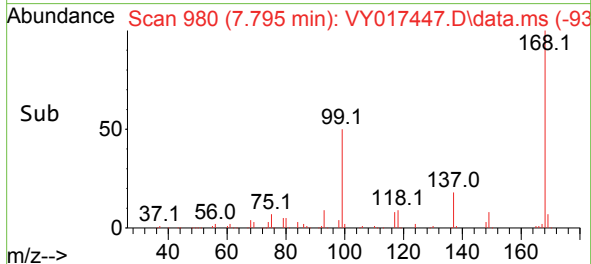
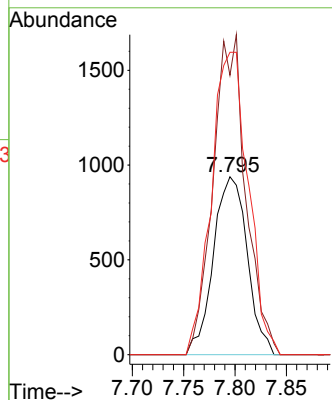
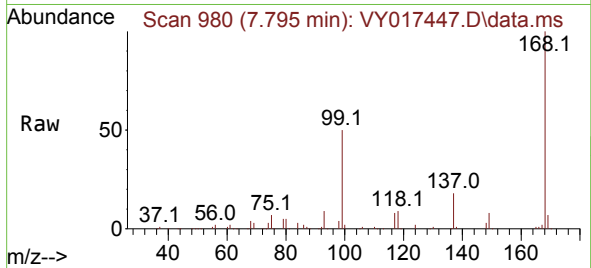




#31
Cyclohexane
Concen: 1.022 ug/l
RT: 7.795 min Scan# 914
Delta R.T. 0.000 min
Lab File: VY017447.D
Acq: 21 Feb 2024 18:50

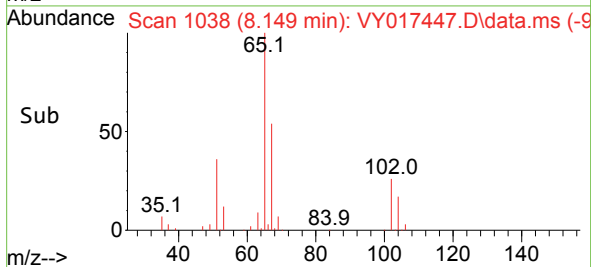
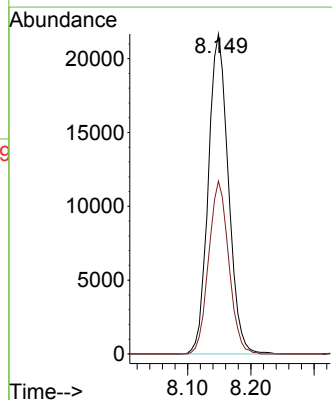
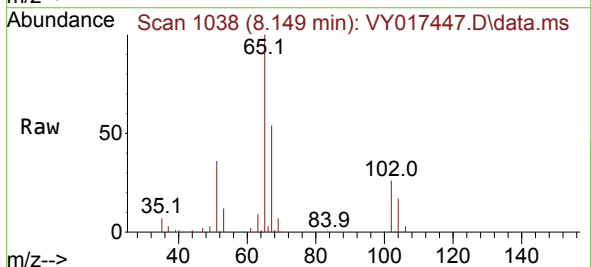
Instrument :
MSVOA_Y
ClientSampleId :
14

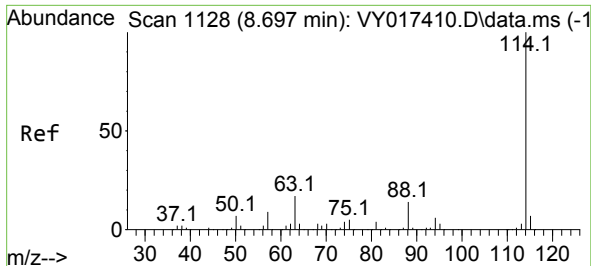
Tgt Ion: 56 Resp: 2151
Ion Ratio Lower Upper
56 100
69 157.1 28.7 43.1#
84 170.0 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 44.989 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY017447.D
Acq: 21 Feb 2024 18:50

Tgt Ion: 65 Resp: 47830
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.6

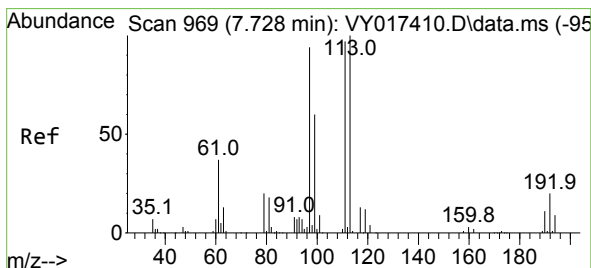
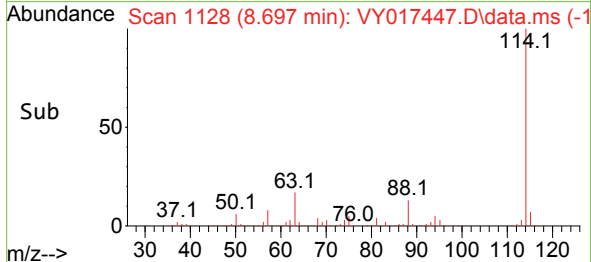
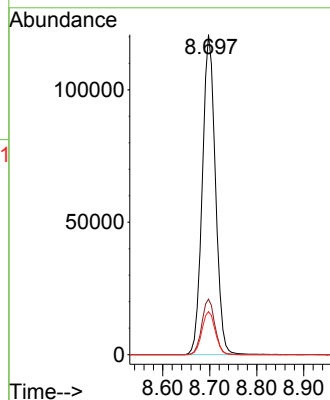
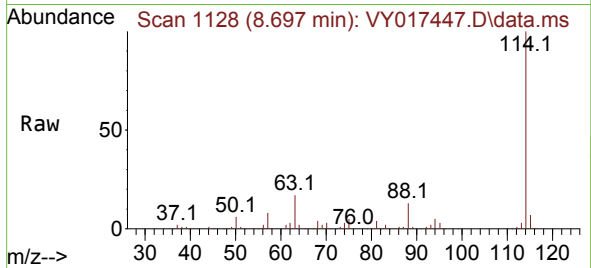




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY017447.D
 Acq: 21 Feb 2024 18:50

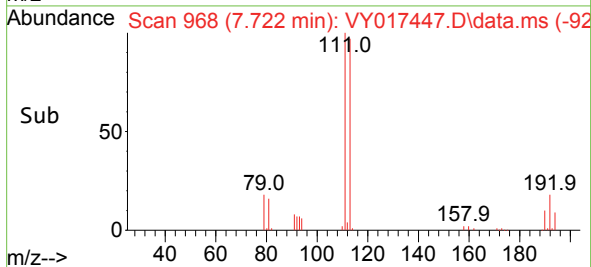
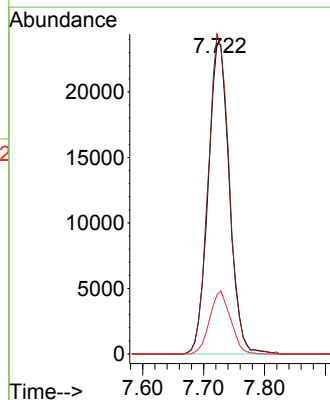
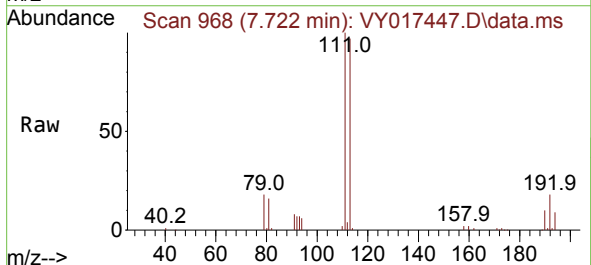
Instrument :
 MSVOA_Y
 ClientSampleId :
 14

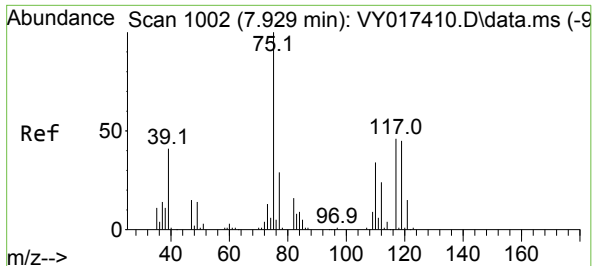
Tgt Ion:114 Resp: 233849
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.0
 88 13.5 0.0 27.2



#35
 Dibromofluoromethane
 Concen: 41.941 ug/l
 RT: 7.722 min Scan# 968
 Delta R.T. -0.006 min
 Lab File: VY017447.D
 Acq: 21 Feb 2024 18:50

Tgt Ion:113 Resp: 57412
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.4
 192 19.9 15.9 23.9





#36

1,1-Dichloropropene

Concen: 3.794 ug/l

RT: 7.795 min Scan# 914

Delta R.T. -0.134 min

Lab File: VY017447.D

Acq: 21 Feb 2024 18:50

Instrument :

MSVOA_Y

ClientSampleId :

14

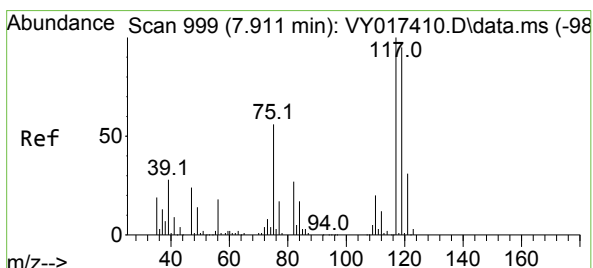
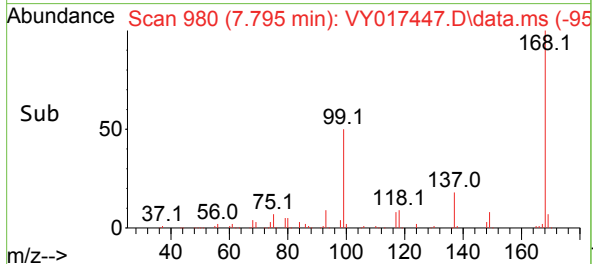
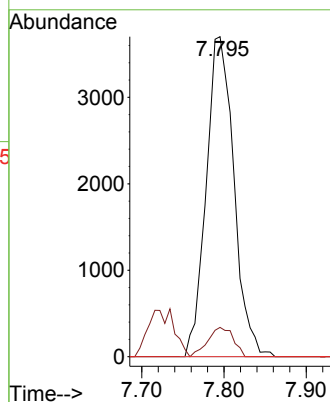
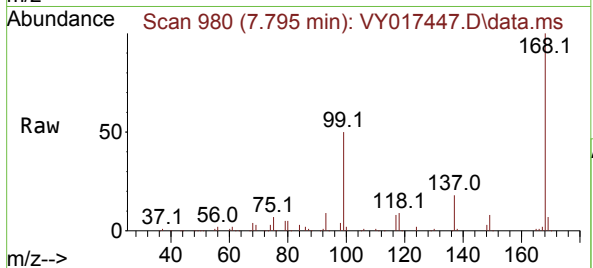
Tgt Ion: 75 Resp: 8673

Ion Ratio Lower Upper

75 100

110 8.4 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 4.918 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.110 min

Lab File: VY017447.D

Acq: 21 Feb 2024 18:50

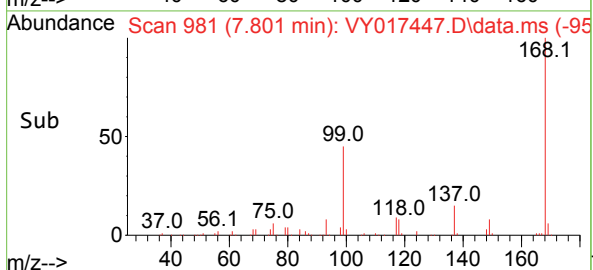
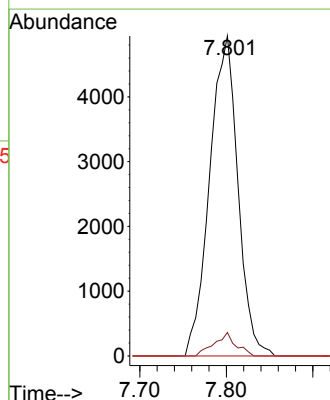
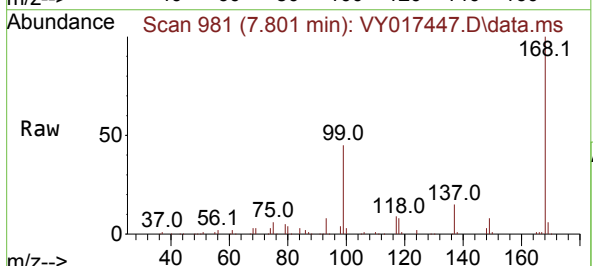
Tgt Ion: 117 Resp: 11194

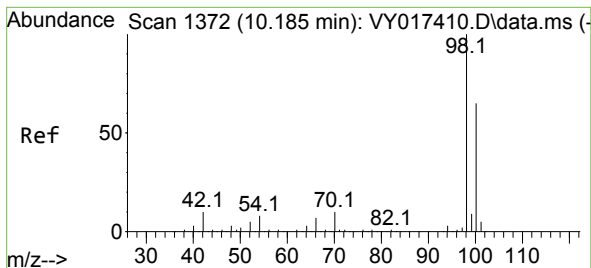
Ion Ratio Lower Upper

117 100

119 7.3 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 37.117 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017447.D

Acq: 21 Feb 2024 18:50

Instrument :

MSVOA_Y

ClientSampleId :

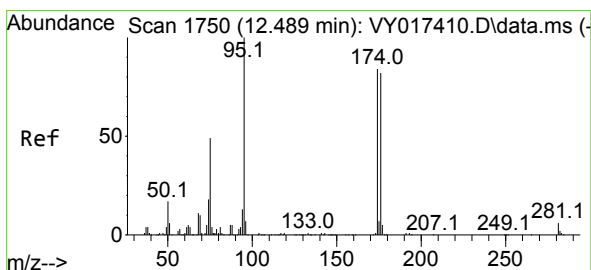
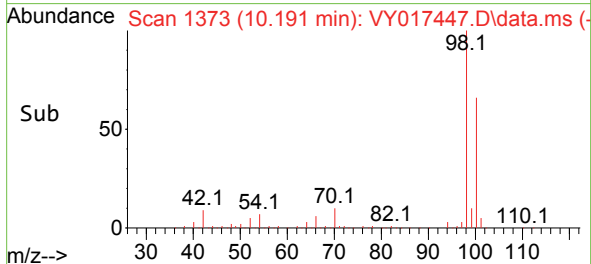
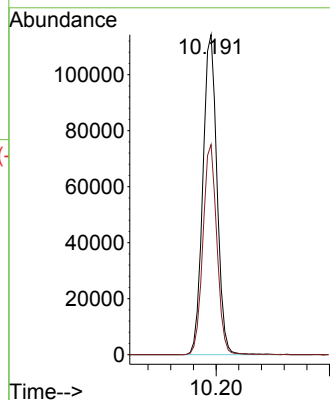
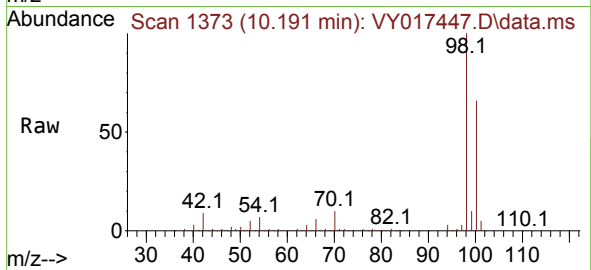
14

Tgt Ion: 98 Resp: 197053

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 29.207 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY017447.D

Acq: 21 Feb 2024 18:50

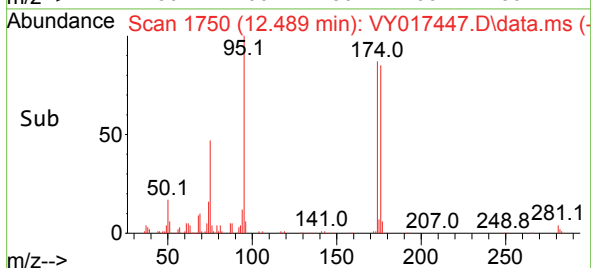
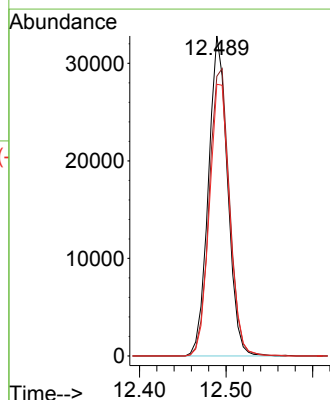
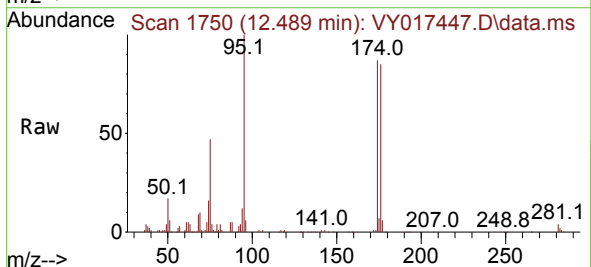
Tgt Ion: 95 Resp: 50397

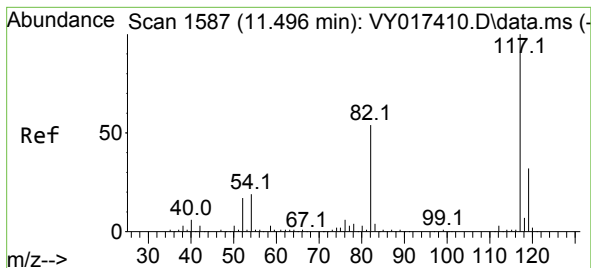
Ion Ratio Lower Upper

95 100

174 95.3 0.0 175.6

176 90.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017447.D

Acq: 21 Feb 2024 18:50

Instrument :

MSVOA_Y

ClientSampleId :

14

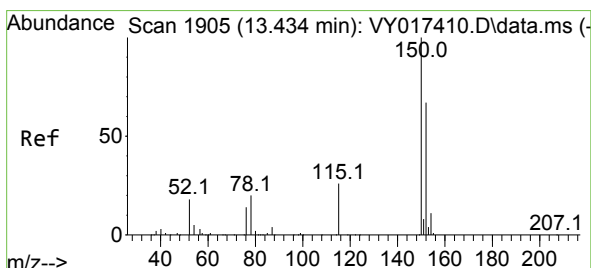
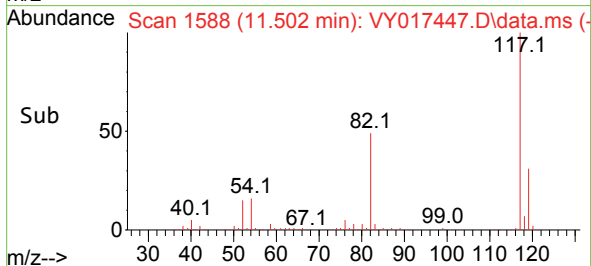
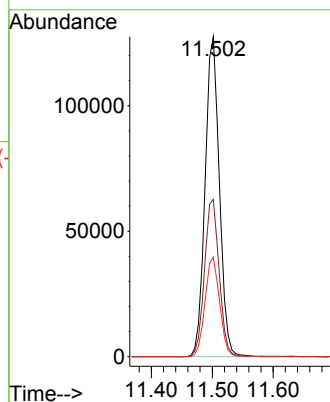
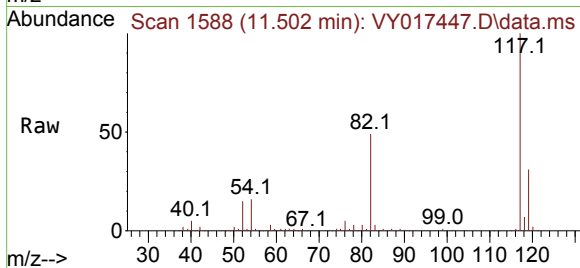
Tgt Ion:117 Resp: 208204

Ion Ratio Lower Upper

117 100

82 49.2 42.4 63.6

119 31.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017447.D

Acq: 21 Feb 2024 18:50

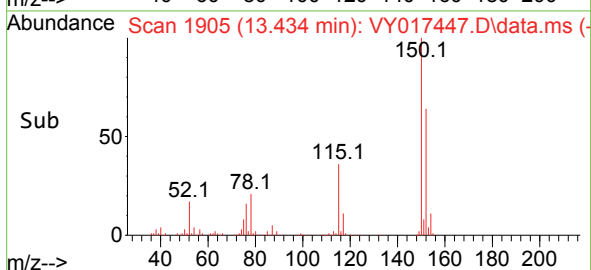
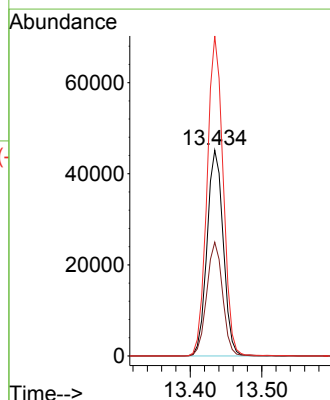
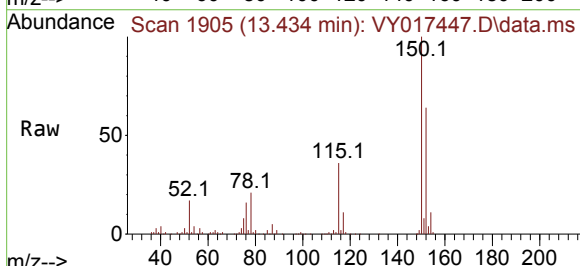
Tgt Ion:152 Resp: 71055

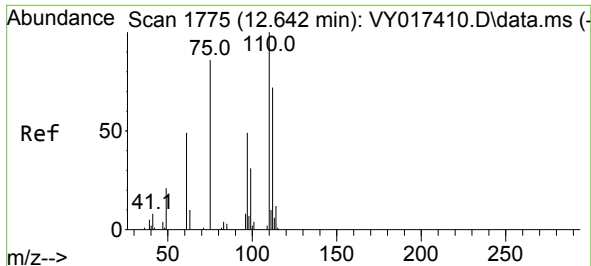
Ion Ratio Lower Upper

152 100

115 54.2 28.2 84.7

150 154.4 0.0 345.6

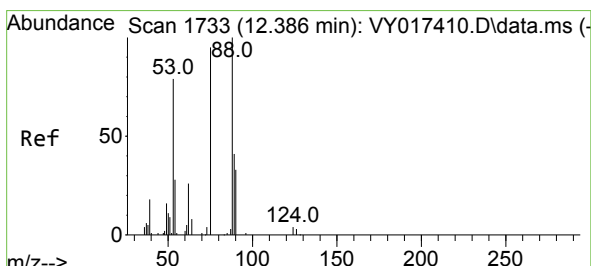
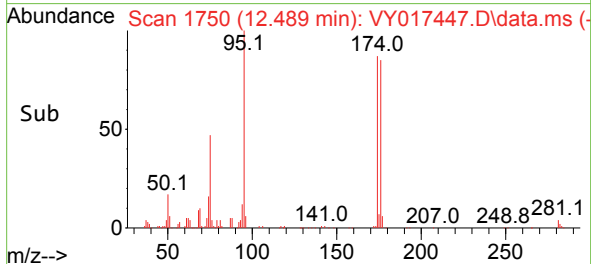
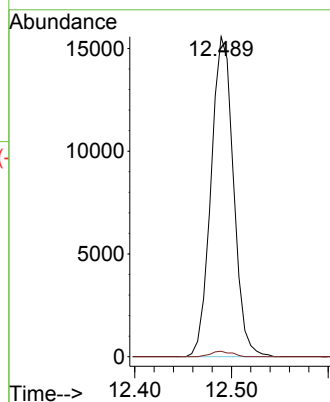
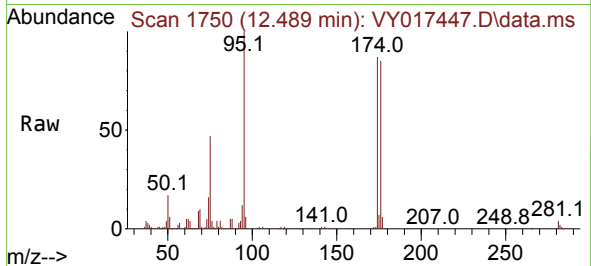




#76
1,2,3-Trichloropropane
Concen: 36.486 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY017447.D
Acq: 21 Feb 2024 18:50

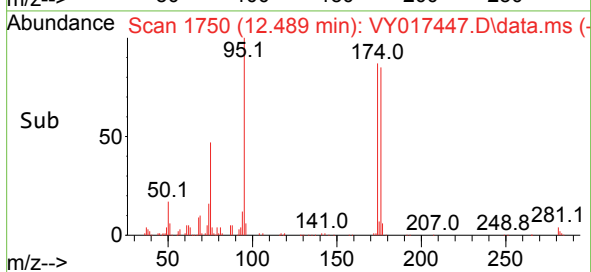
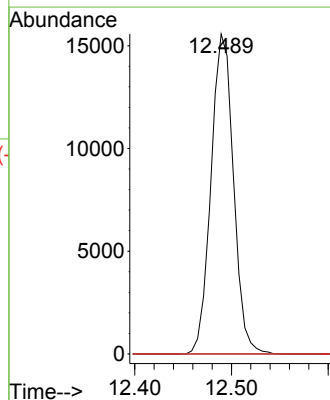
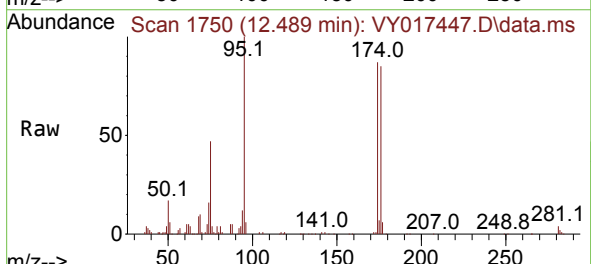
Instrument :
MSVOA_Y
ClientSampleId :
14

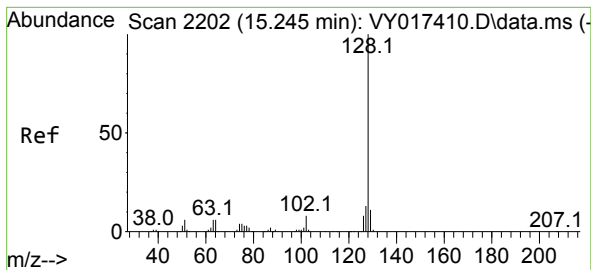
Tgt Ion: 75 Resp: 25137
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.070 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017447.D
Acq: 21 Feb 2024 18:50

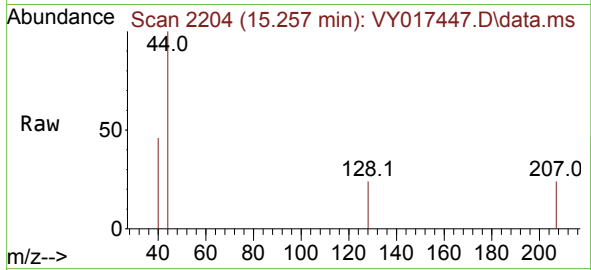
Tgt Ion: 75 Resp: 25137
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 3.564 ug/l
RT: 15.257 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY017447.D
Acq: 21 Feb 2024 18:50 14

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 56
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

