

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022224\
 Data File : VY017457.D
 Acq On : 22 Feb 2024 14:49
 Operator : SY/MD
 Sample : P1537-05RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 23 00:30:31 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)

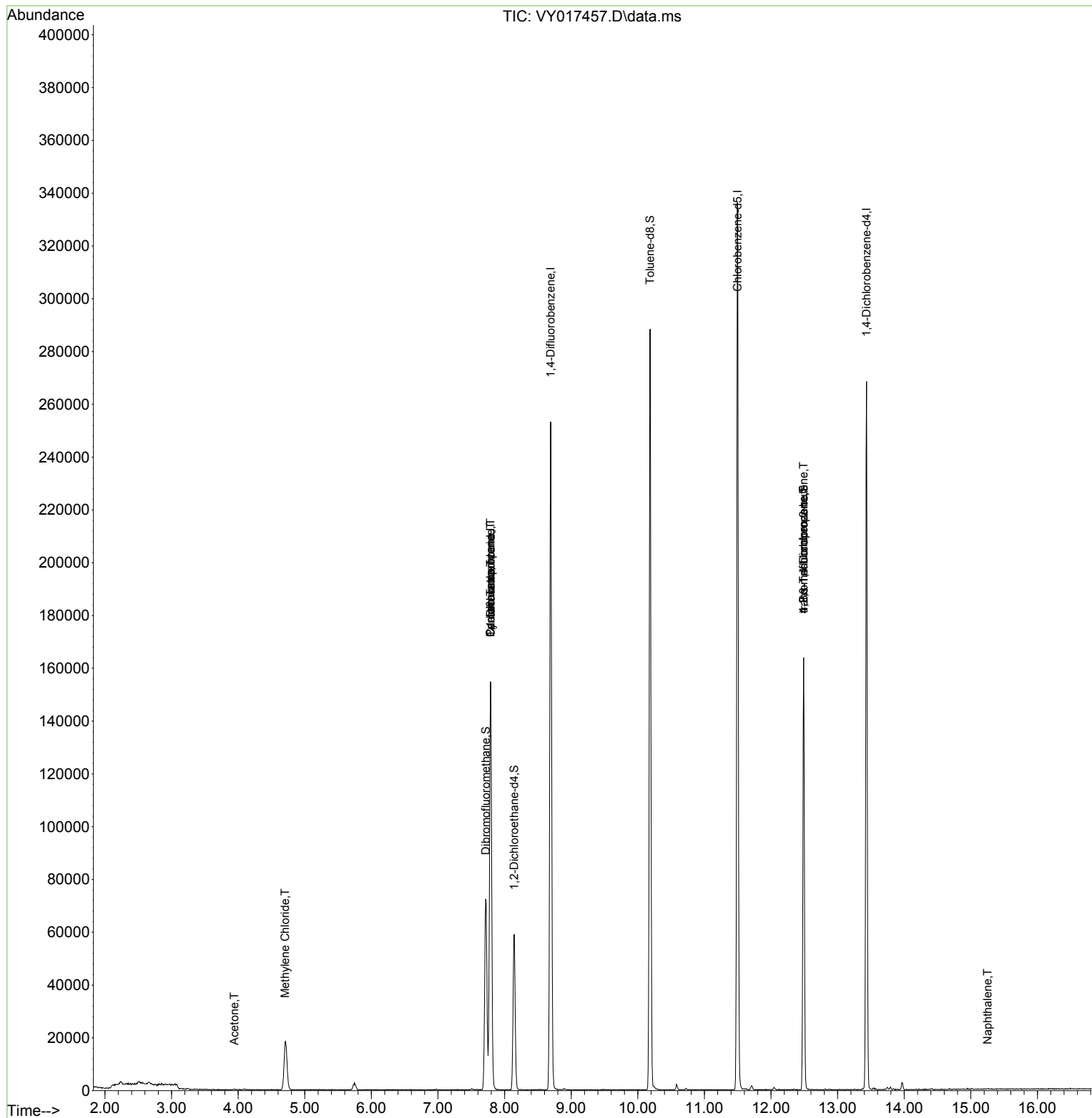
Internal Standards						
1) Pentafluorobenzene	7.789	168	128518	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	228259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	191576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	70913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	43829	39.920	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.840%
35) Dibromofluoromethane	7.716	113	53040	39.696	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.400%
50) Toluene-d8	10.185	98	194713	37.575	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	75.140%
62) 4-Bromofluorobenzene	12.489	95	49080	29.145	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	58.280%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	550	Below Cal	#	70
16) Acetone	3.942	43	345	1.451	ug/l #	36
20) Methylene Chloride	4.704	84	15622	5.270	ug/l	95
31) Cyclohexane	7.789	56	2282	1.050	ug/l #	6
36) 1,1-Dichloropropene	7.789	75	8961	4.016	ug/l #	49
38) Carbon Tetrachloride	7.789	117	11647	5.242	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	24352	35.418	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	24352	82.578	ug/l #	16
95) Naphthalene	15.251	128	397	3.713	ug/l #	69

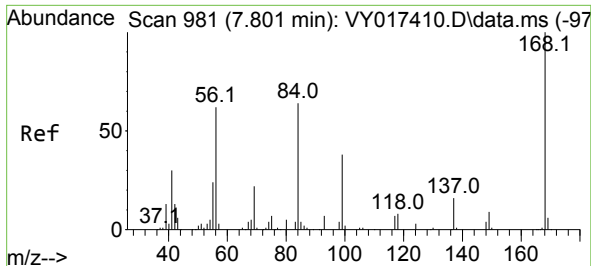
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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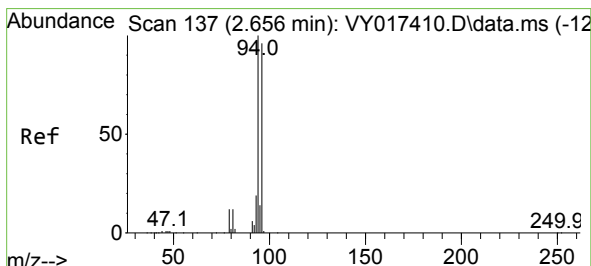
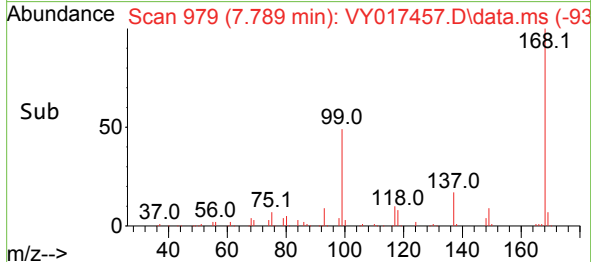
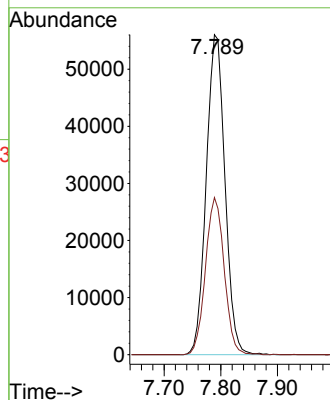
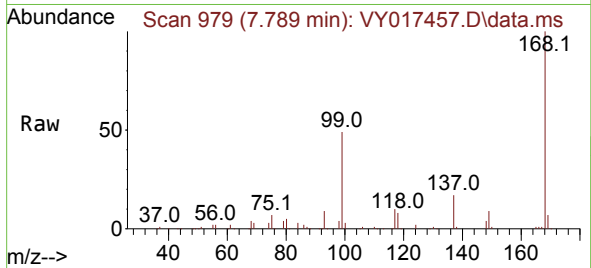




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017457.D
Acq: 22 Feb 2024 14:49

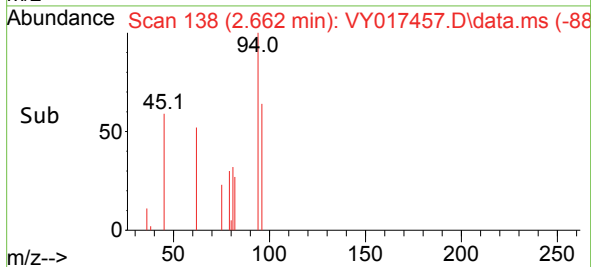
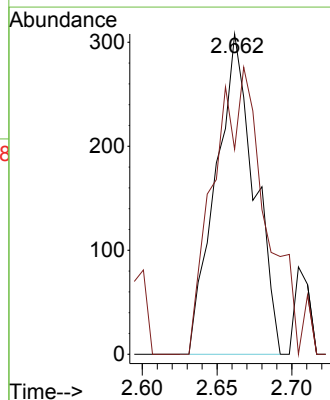
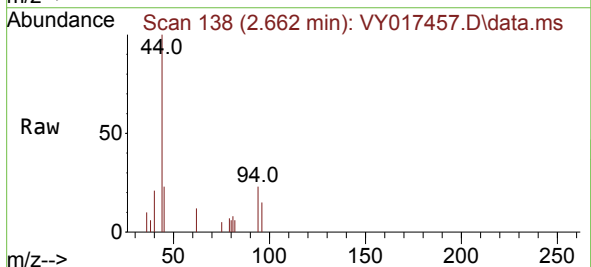
Instrument :
MSVOA_Y
ClientSampleId :

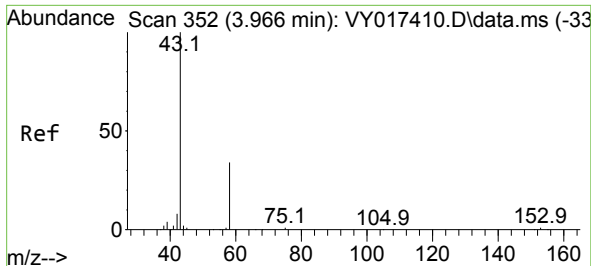
Tgt Ion:168 Resp: 128518
Ion Ratio Lower Upper
168 100
99 49.1 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY017457.D
Acq: 22 Feb 2024 14:49

Tgt Ion: 94 Resp: 550
Ion Ratio Lower Upper
94 100
96 64.0 74.1 111.1#





#16

Acetone

Concen: 1.451 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.024 min

Lab File: VY017457.D

Acq: 22 Feb 2024 14:49

Instrument :

MSVOA_Y

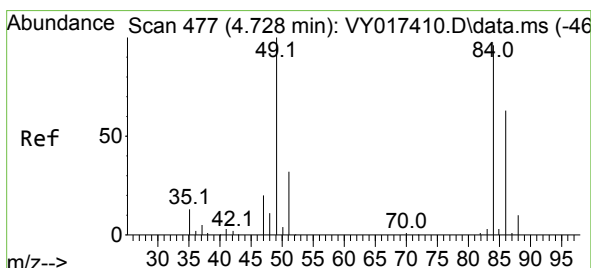
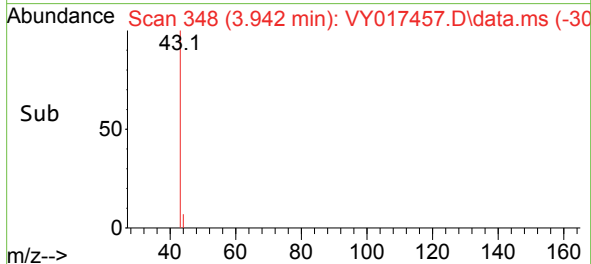
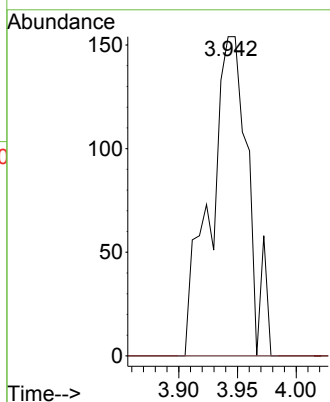
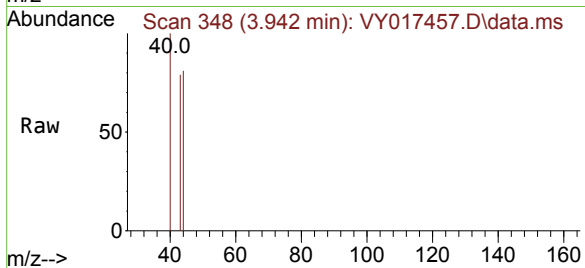
ClientSampleId :

Tgt Ion: 43 Resp: 345

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: 5.270 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.024 min

Lab File: VY017457.D

Acq: 22 Feb 2024 14:49

Tgt Ion: 84 Resp: 15622

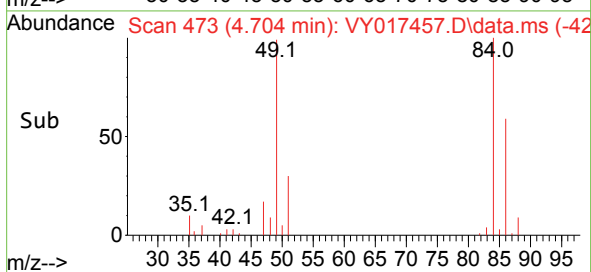
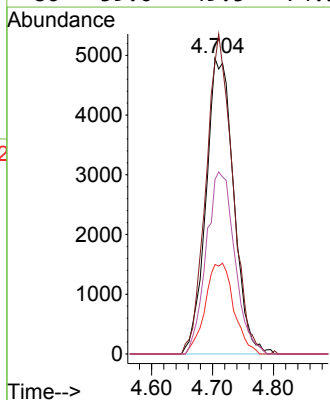
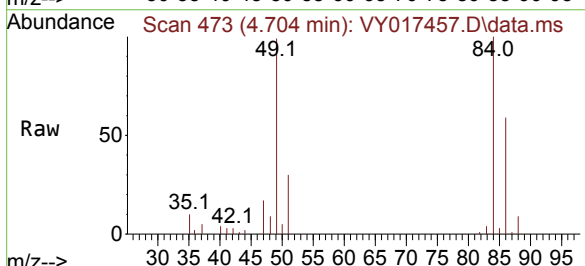
Ion Ratio Lower Upper

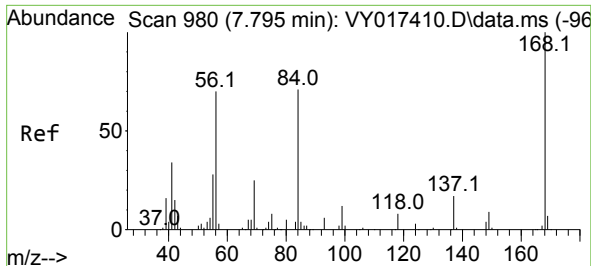
84 100

49 98.5 84.4 126.6

51 30.2 26.0 39.0

86 59.0 49.5 74.3

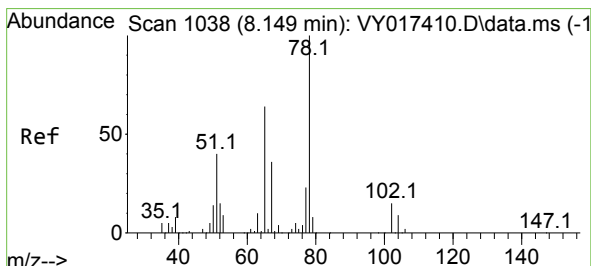
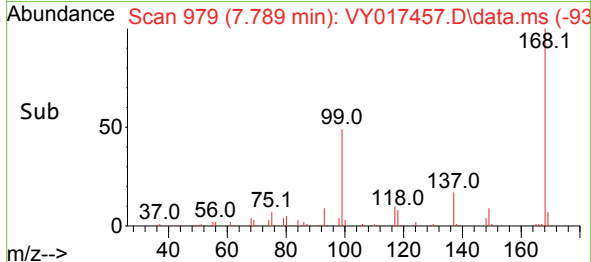
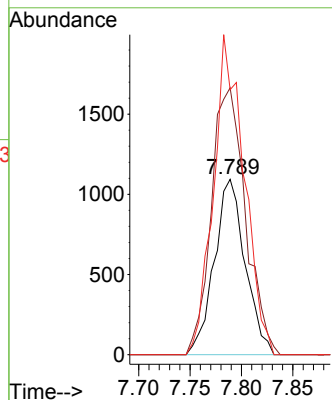
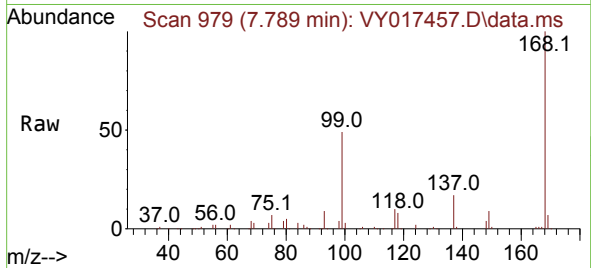




#31
Cyclohexane
Concen: 1.050 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017457.D
Acq: 22 Feb 2024 14:49

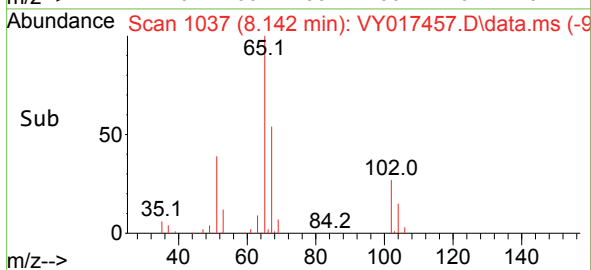
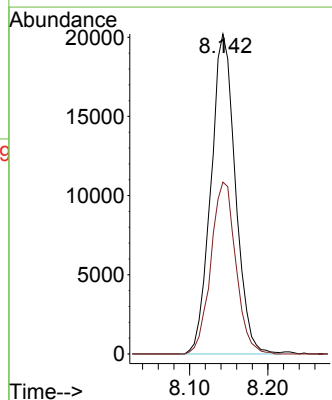
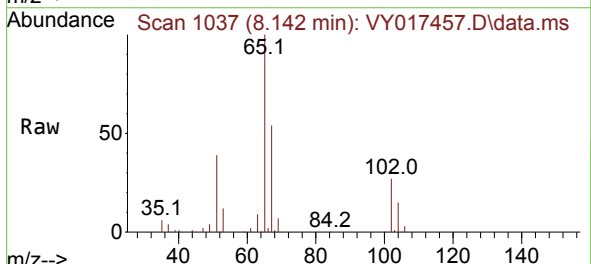
Instrument :
MSVOA_Y
ClientSampleId :

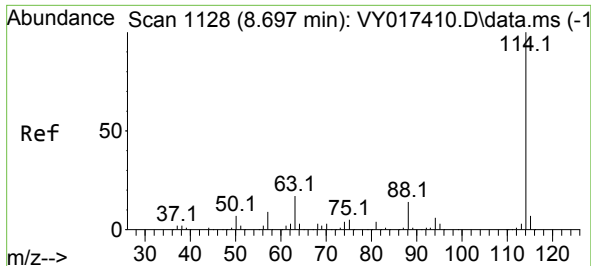
Tgt Ion: 56 Resp: 2282
Ion Ratio Lower Upper
56 100
69 152.2 28.7 43.1#
84 151.1 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 39.920 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY017457.D
Acq: 22 Feb 2024 14:49

Tgt Ion: 65 Resp: 43829
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY017457.D

Acq: 22 Feb 2024 14:49

Instrument :

MSVOA_Y

ClientSampleId :

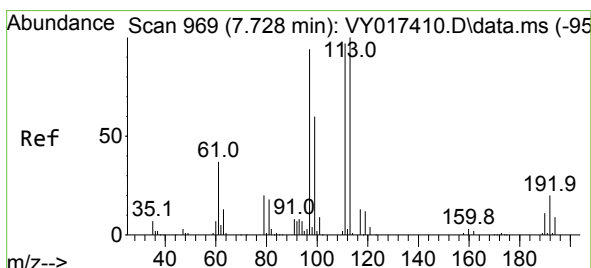
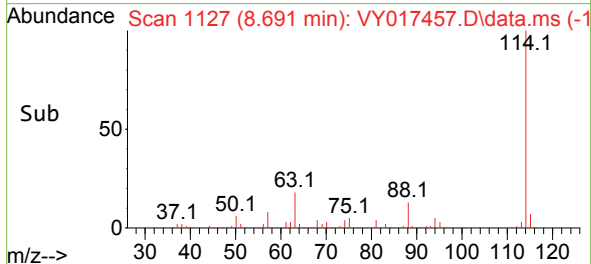
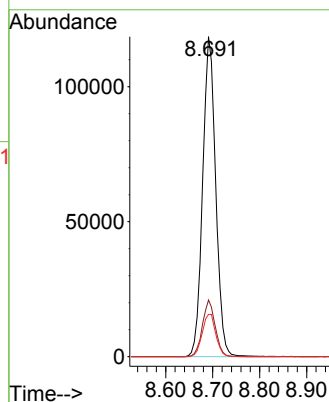
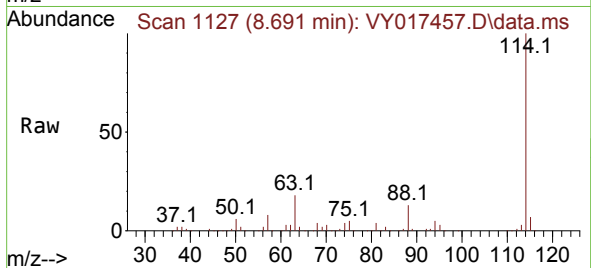
Tgt Ion:114 Resp: 228259

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

88 13.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 39.696 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.012 min

Lab File: VY017457.D

Acq: 22 Feb 2024 14:49

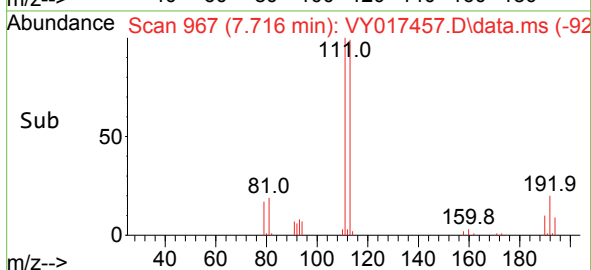
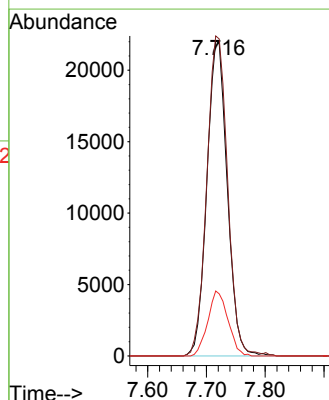
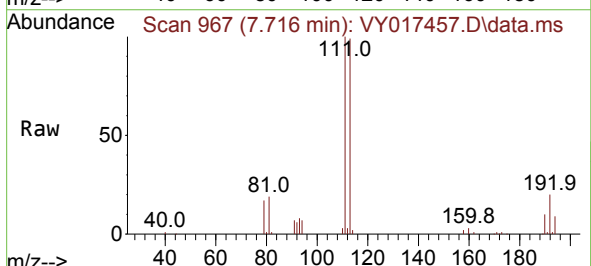
Tgt Ion:113 Resp: 53040

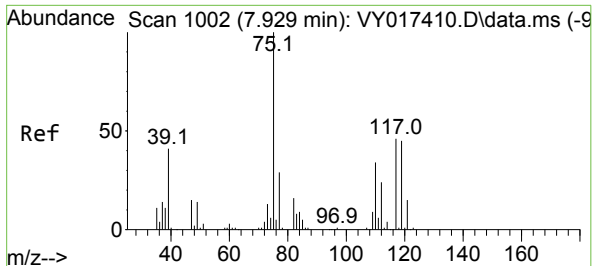
Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

192 20.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.016 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY017457.D

Acq: 22 Feb 2024 14:49

Instrument :

MSVOA_Y

ClientSampleId :

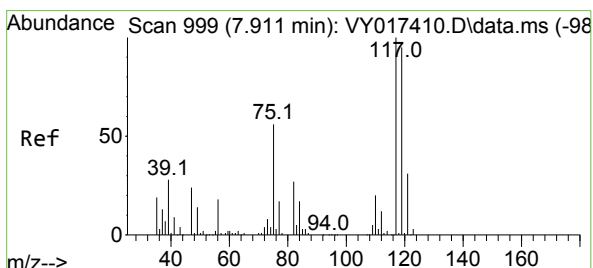
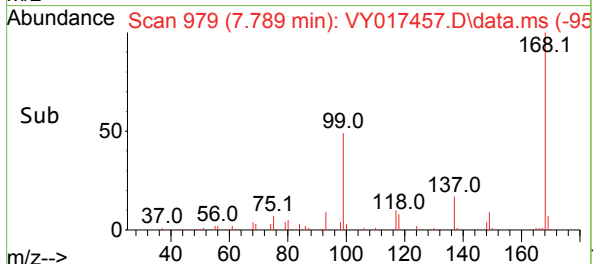
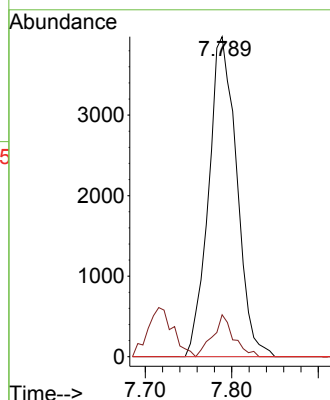
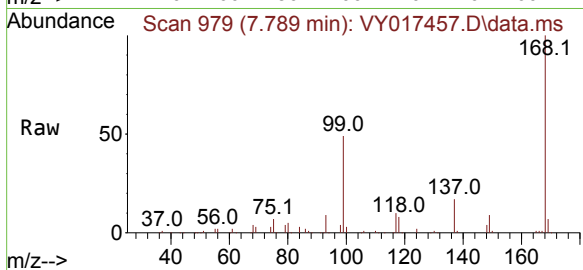
Tgt Ion: 75 Resp: 8961

Ion Ratio Lower Upper

75 100

110 9.7 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.242 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.122 min

Lab File: VY017457.D

Acq: 22 Feb 2024 14:49

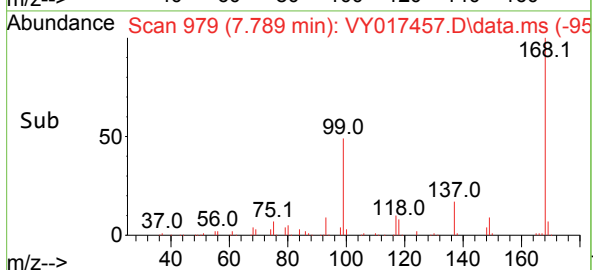
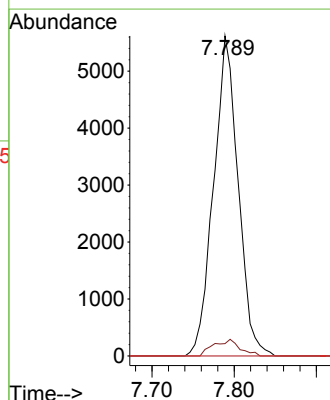
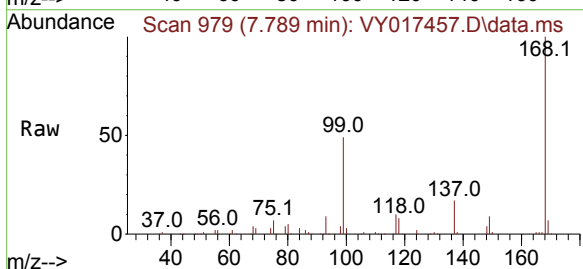
Tgt Ion: 117 Resp: 11647

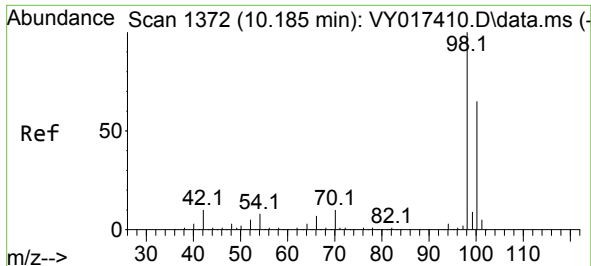
Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.6#

121 0.0 24.0 36.0#

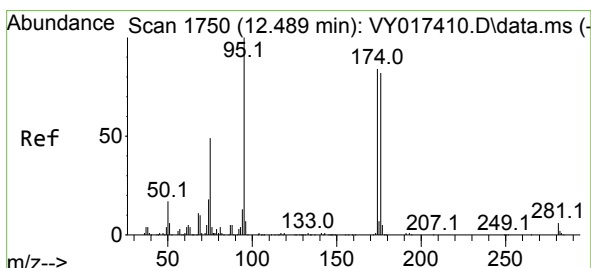
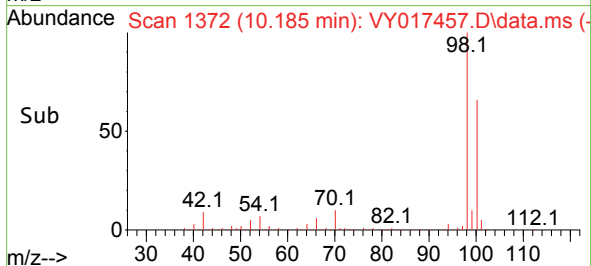
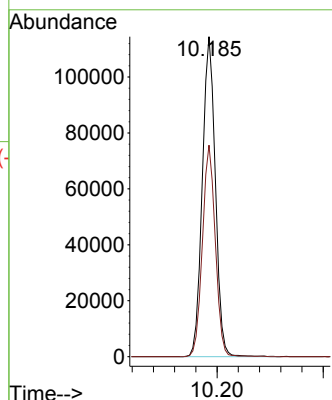
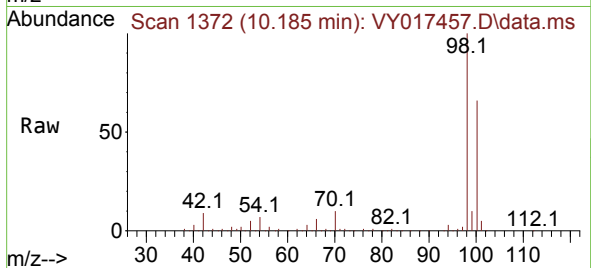




#50
Toluene-d8
Concen: 37.575 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY017457.D
Acq: 22 Feb 2024 14:49

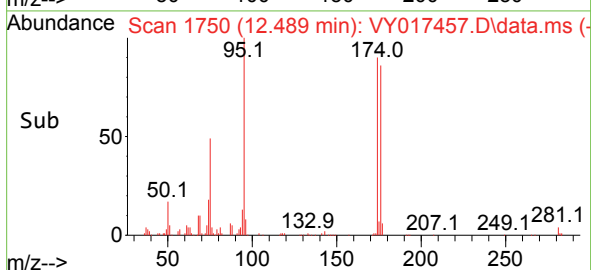
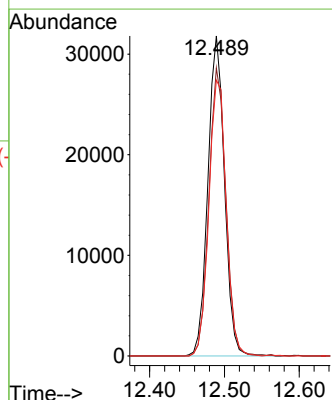
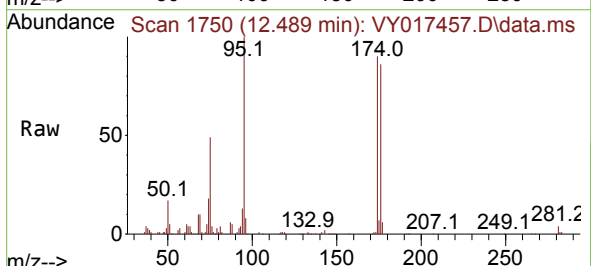
Instrument :
MSVOA_Y
ClientSampleId :

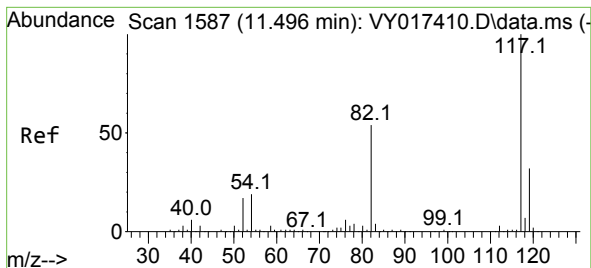
Tgt Ion: 98 Resp: 194713
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 29.145 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017457.D
Acq: 22 Feb 2024 14:49

Tgt Ion: 95 Resp: 49080
Ion Ratio Lower Upper
95 100
174 91.9 0.0 175.6
176 90.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY017457.D

Acq: 22 Feb 2024 14:49

Instrument :

MSVOA_Y

ClientSampleId :

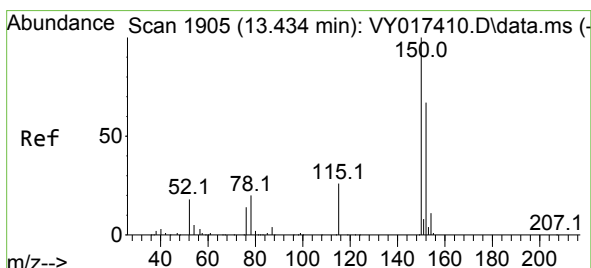
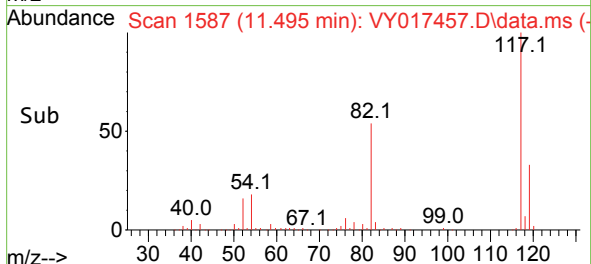
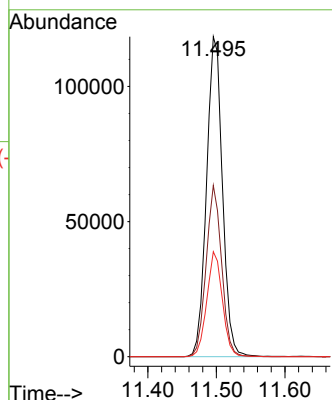
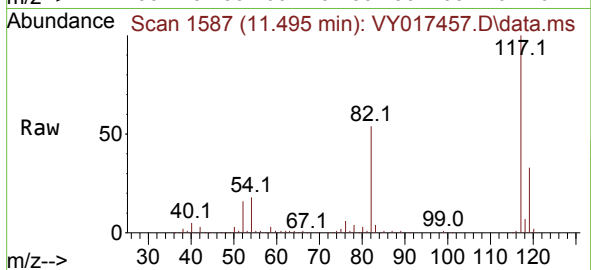
Tgt Ion:117 Resp: 191576

Ion Ratio Lower Upper

117 100

82 53.5 42.4 63.6

119 32.8 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: VY017457.D

Acq: 22 Feb 2024 14:49

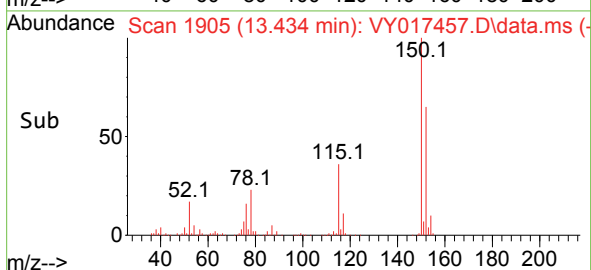
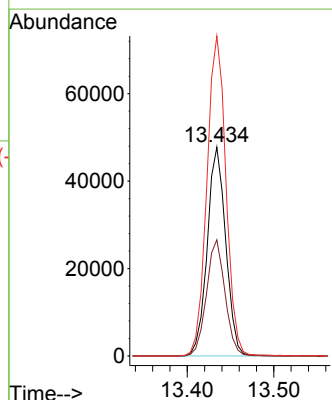
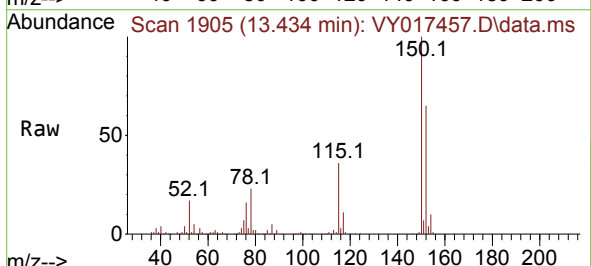
Tgt Ion:152 Resp: 70913

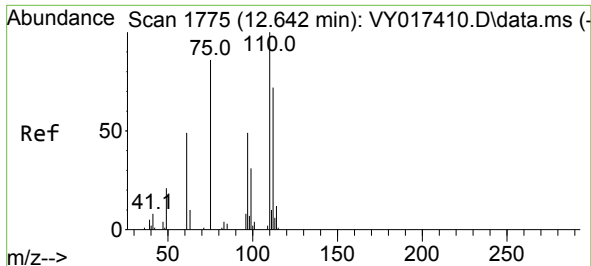
Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.7

150 157.9 0.0 345.6

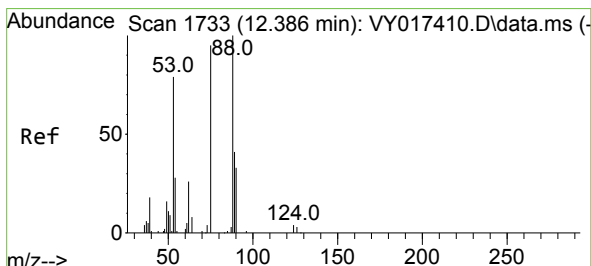
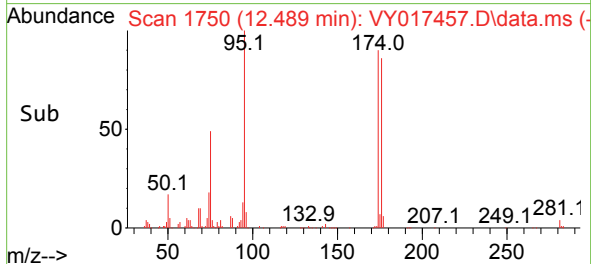
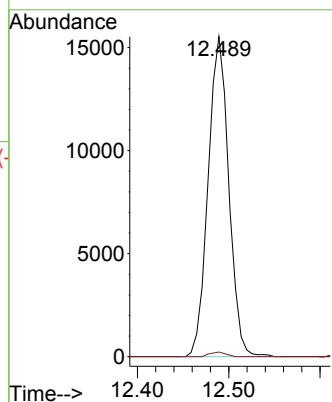
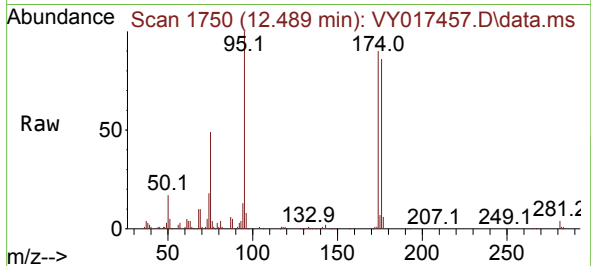




#76
1,2,3-Trichloropropane
Concen: 35.418 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY017457.D
Acq: 22 Feb 2024 14:49

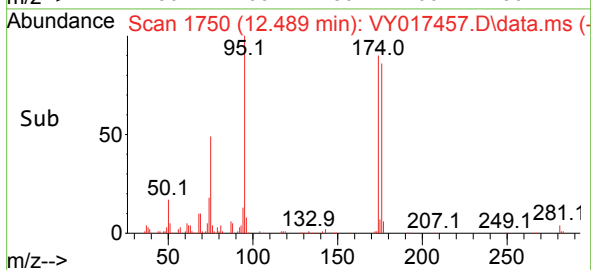
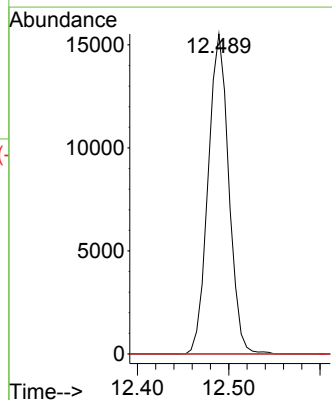
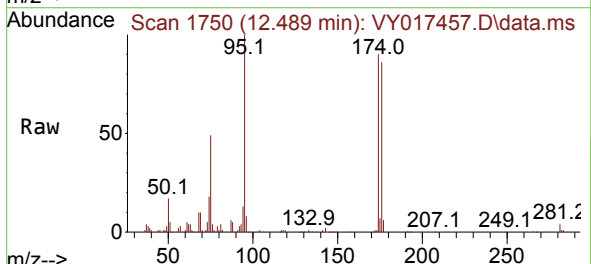
Instrument :
MSVOA_Y
ClientSampleId :

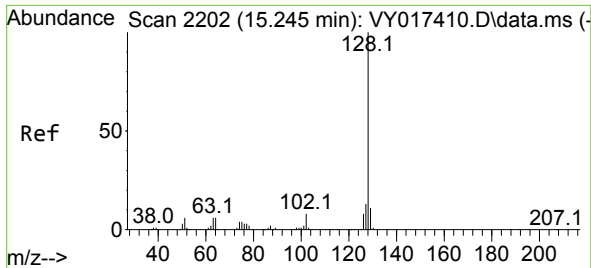
Tgt Ion: 75 Resp: 24352
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.578 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017457.D
Acq: 22 Feb 2024 14:49

Tgt Ion: 75 Resp: 24352
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#95

Naphthalene

Concen: 3.713 ug/l

RT: 15.251 min Scan# 21

Delta R.T. 0.006 min

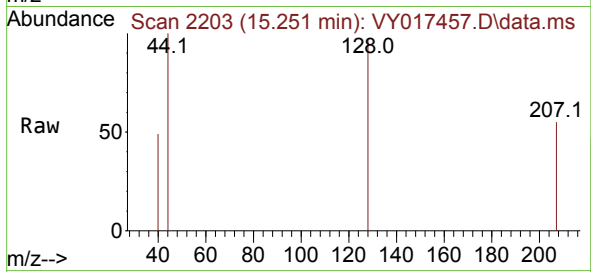
Lab File: VY017457.D

Acq: 22 Feb 2024 14:49

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 397

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

