

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
 Data File : VY017049.D
 Acq On : 19 Jan 2024 12:38
 Operator : SY/MD
 Sample : P1184-01
 Misc : 4.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-4-9.5-10.0

Quant Time: Jan 19 22:20:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

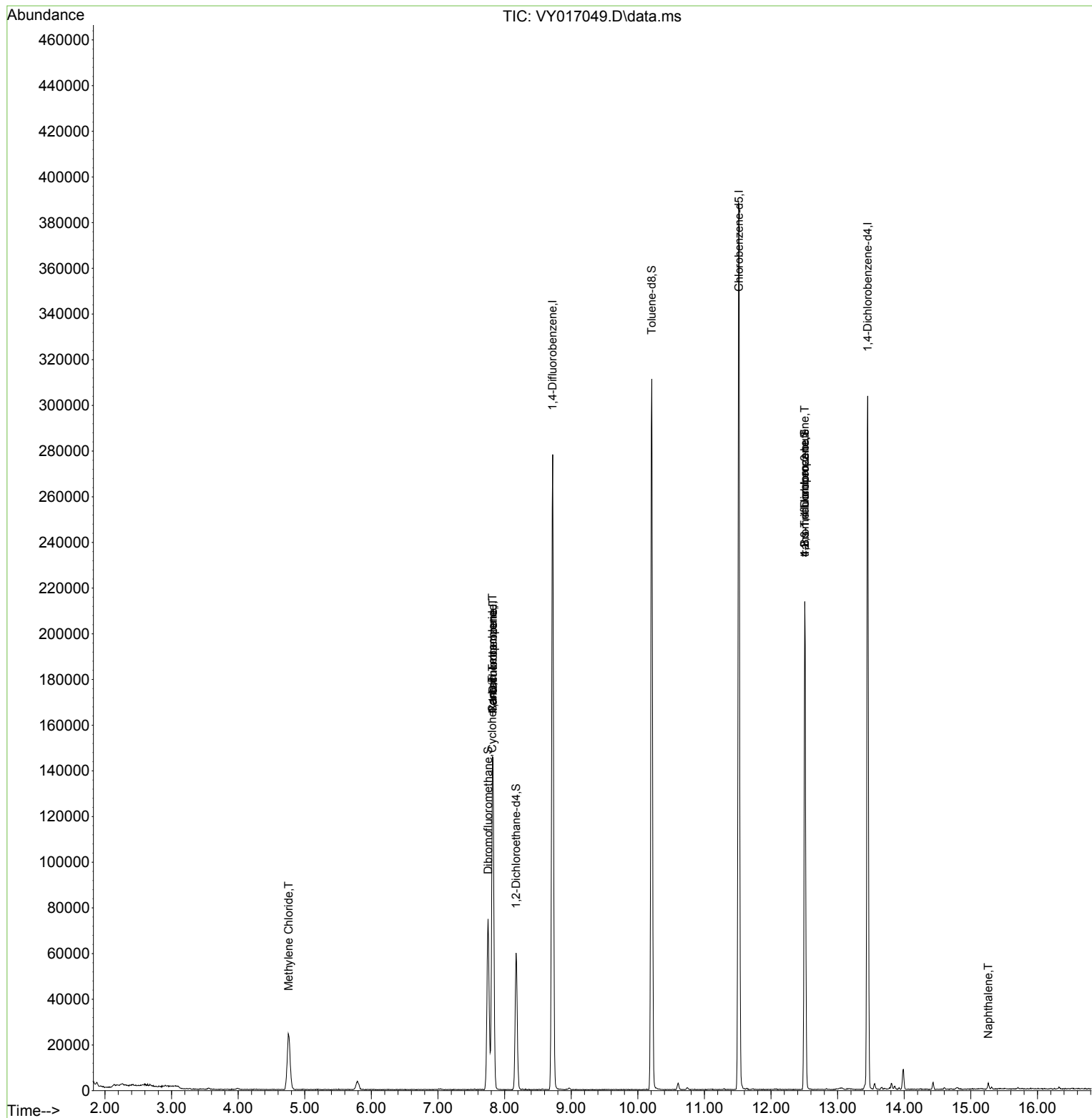
Internal Standards						
1) Pentafluorobenzene	7.825	168	114429	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.721	114	237705	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.520	117	213914	50.000	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.452	152	75204	50.000	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	46812	41.391	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.780%
35) Dibromofluoromethane	7.752	113	53300	35.187	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	70.380%
50) Toluene-d8	10.209	98	206145	39.521	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	79.040%
62) 4-Bromofluorobenzene	12.507	95	59563	33.846	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.700%
Target Compounds						
					Qvalue	
16) Acetone	3.997	43	1069	Below Cal	#	84
20) Methylene Chloride	4.759	84	18910	6.618	ug/l	93
25) 2-Butanone	7.039	43	52	Below Cal	#	48
31) Cyclohexane	7.813	56	2472	1.273	ug/l	# 1
36) 1,1-Dichloropropene	7.825	75	9513	4.309	ug/l	# 50
38) Carbon Tetrachloride	7.819	117	11942	5.325	ug/l	# 16
76) 1,2,3-Trichloropropane	12.507	75	31550	38.659	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.507	75	31550	87.786	ug/l	# 13
95) Naphthalene	15.263	128	2131	1.663	ug/l	98

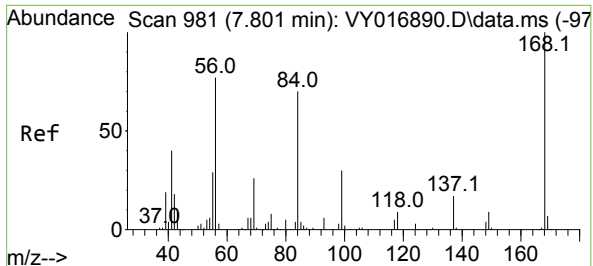
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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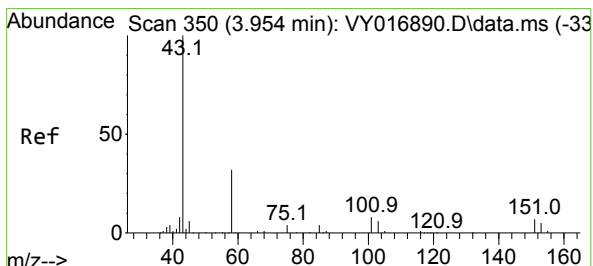
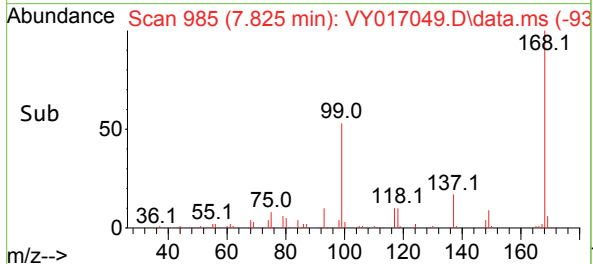
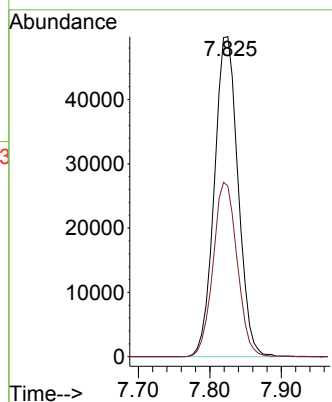
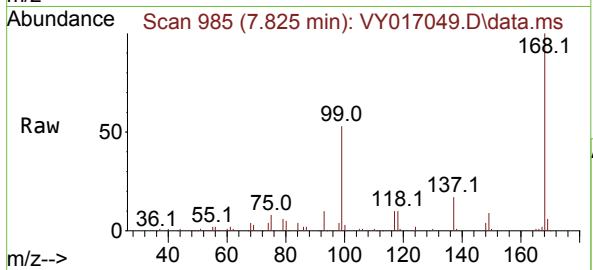




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.825 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY017049.D
Acq: 19 Jan 2024 12:38

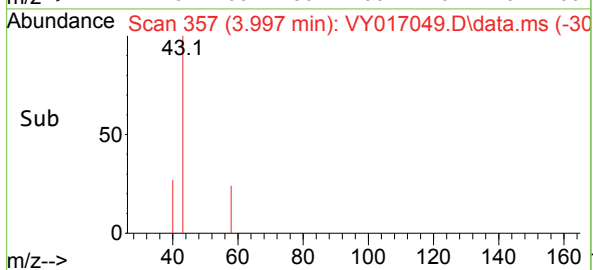
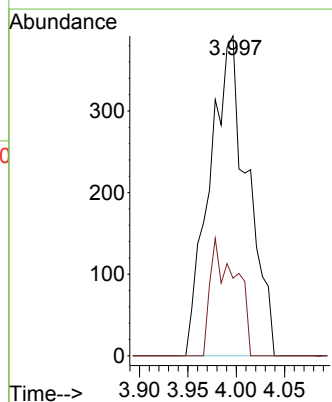
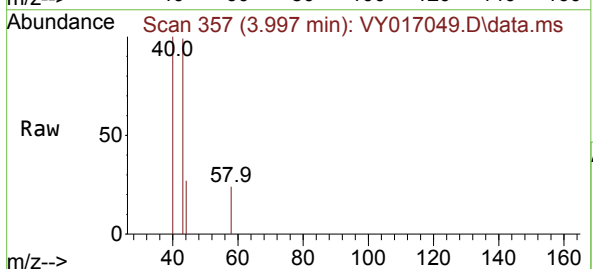
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-9.5-10.0

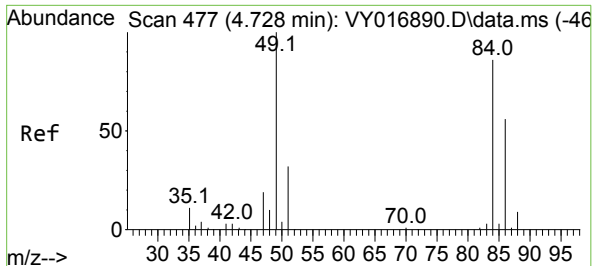
Tgt Ion:168 Resp: 114429
Ion Ratio Lower Upper
168 100
99 53.3 44.2 66.4



#16
Acetone
Concen: Below Cal
RT: 3.997 min Scan# 357
Delta R.T. 0.037 min
Lab File: VY017049.D
Acq: 19 Jan 2024 12:38

Tgt Ion: 43 Resp: 1069
Ion Ratio Lower Upper
43 100
58 24.2 26.6 39.8#

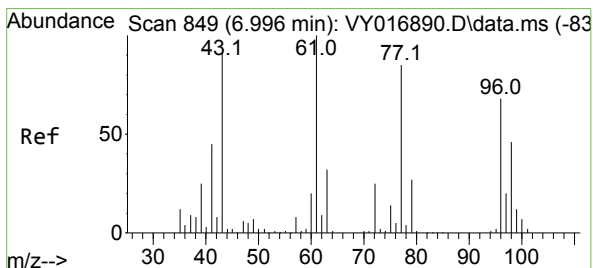
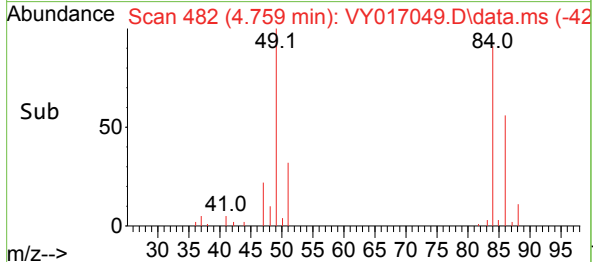
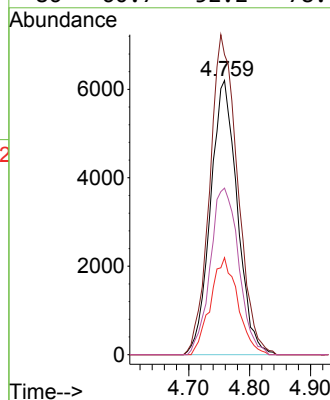
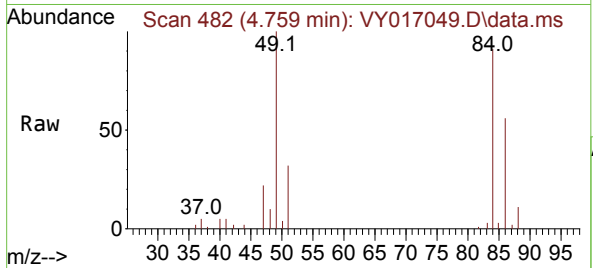




#20
Methylene Chloride
Concen: 6.618 ug/l
RT: 4.759 min Scan# 41
Delta R.T. 0.025 min
Lab File: VY017049.D
Acq: 19 Jan 2024 12:38

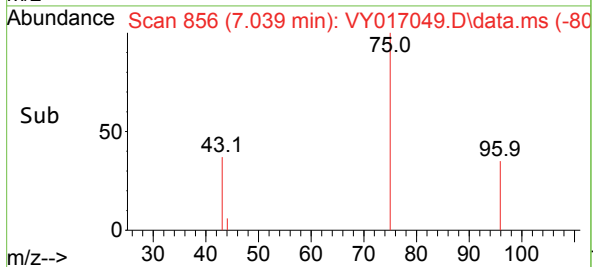
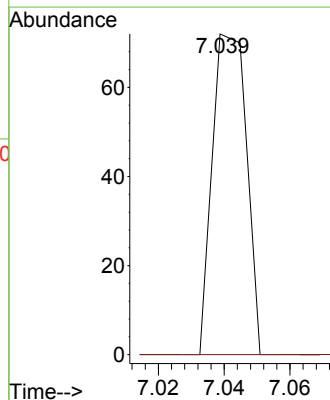
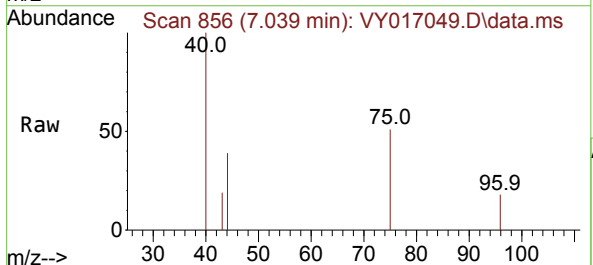
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-9.5-10.0

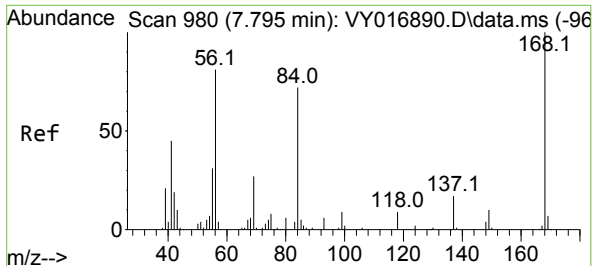
Tgt Ion: 84	Resp: 18910
Ion Ratio	Lower Upper
84 100	
49 109.4	95.2 142.8
51 35.3	29.9 44.9
86 60.7	52.2 78.4



#25
2-Butanone
Concen: Below Cal
RT: 7.039 min Scan# 856
Delta R.T. 0.043 min
Lab File: VY017049.D
Acq: 19 Jan 2024 12:38

Tgt Ion: 43	Resp: 52
Ion Ratio	Lower Upper
43 100	
72 0.0	21.4 32.2#

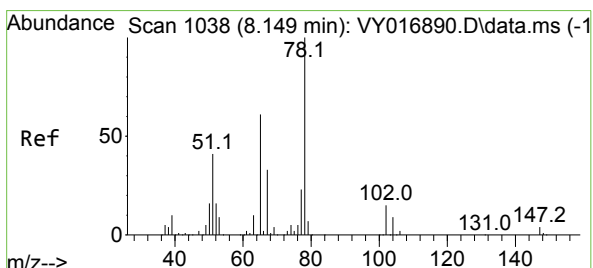
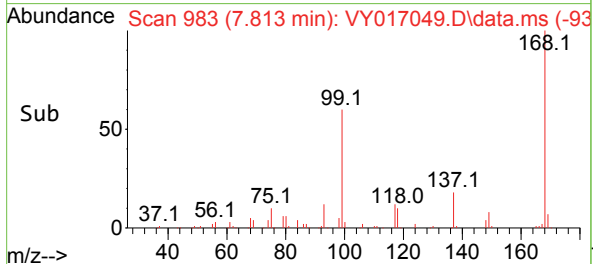
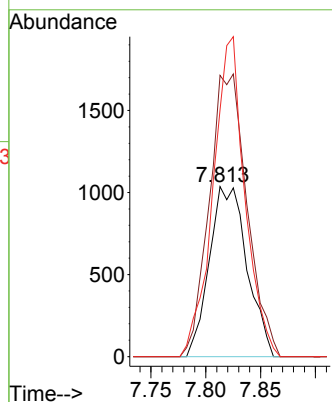
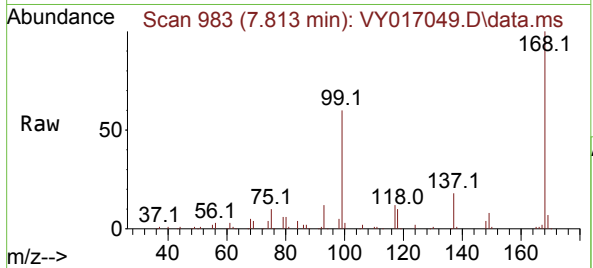




#31
Cyclohexane
Concen: 1.273 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017049.D
Acq: 19 Jan 2024 12:38

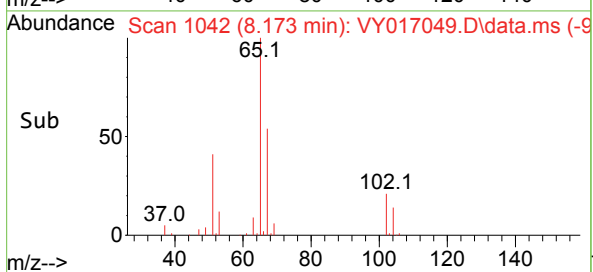
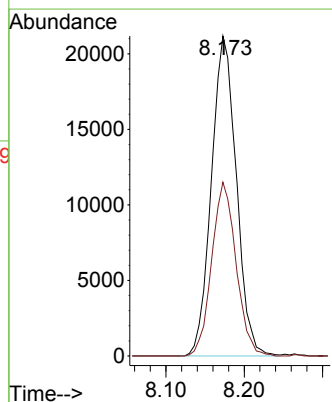
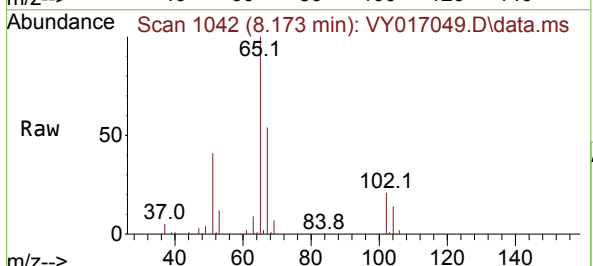
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-9.5-10.0

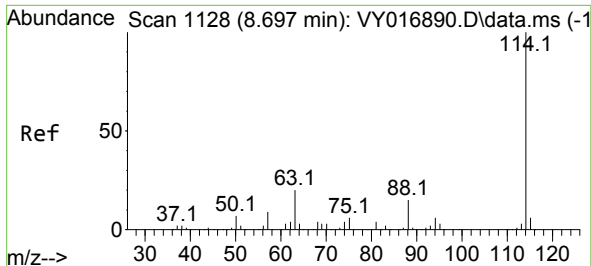
Tgt Ion: 56 Resp: 2472
Ion Ratio Lower Upper
56 100
69 165.4 27.0 40.6#
84 145.2 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 41.391 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.018 min
Lab File: VY017049.D
Acq: 19 Jan 2024 12:38

Tgt Ion: 65 Resp: 46812
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.721 min Scan# 1128

Delta R.T. 0.018 min

Lab File: VY017049.D

Acq: 19 Jan 2024 12:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-9.5-10.0

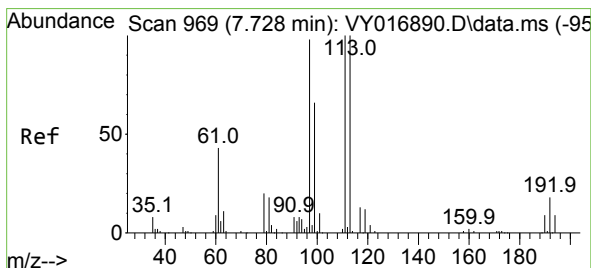
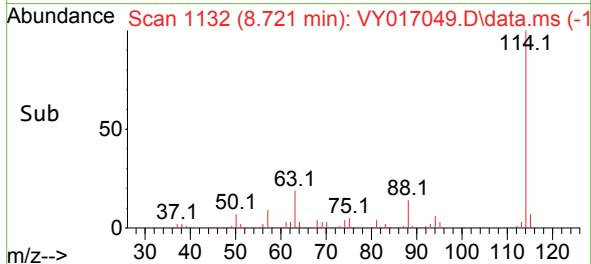
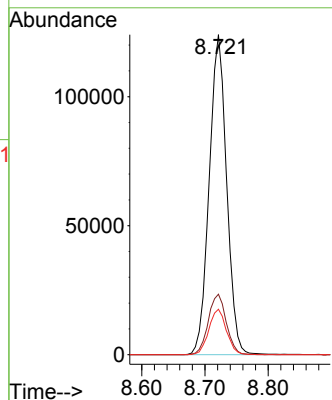
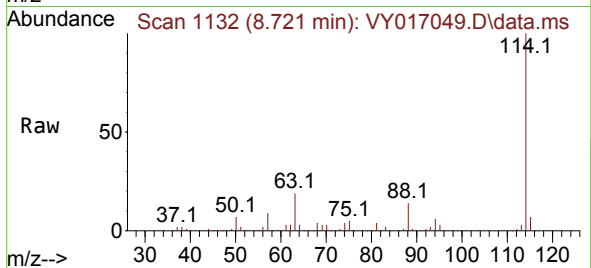
Tgt Ion:114 Resp: 237705

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.4

88 14.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 35.187 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.024 min

Lab File: VY017049.D

Acq: 19 Jan 2024 12:38

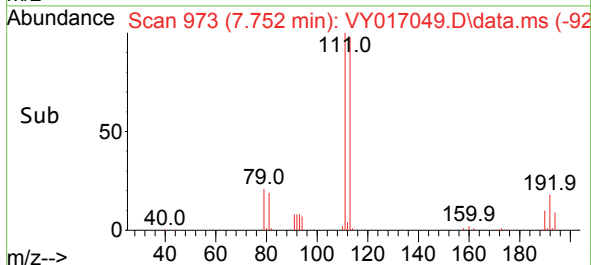
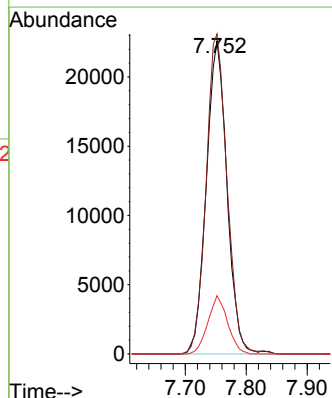
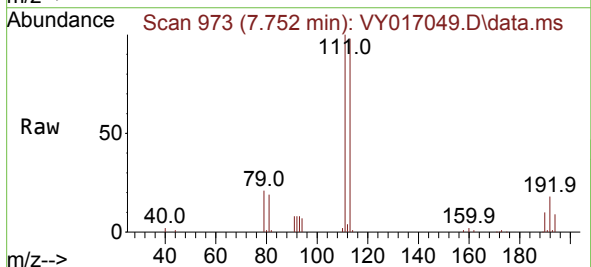
Tgt Ion:113 Resp: 53300

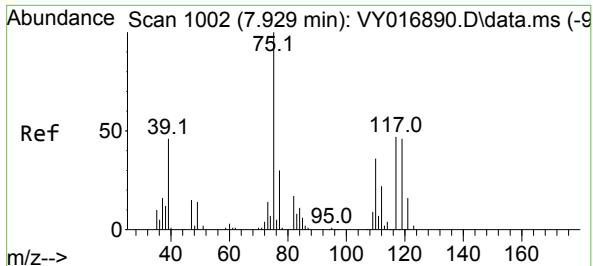
Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 17.8 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.309 ug/l

RT: 7.825 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY017049.D

Acq: 19 Jan 2024 12:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-9.5-10.0

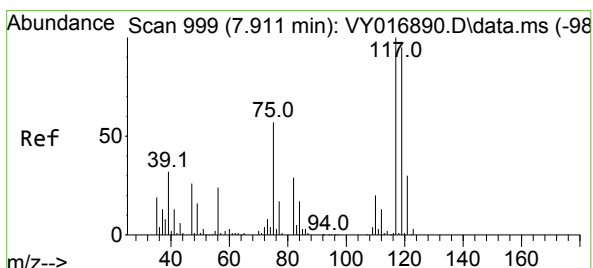
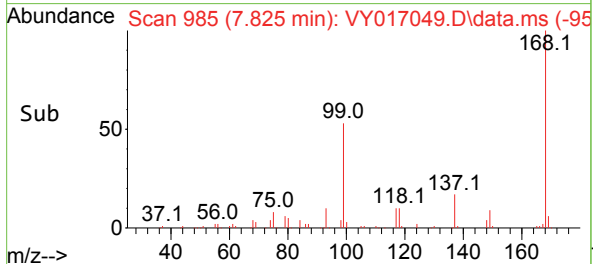
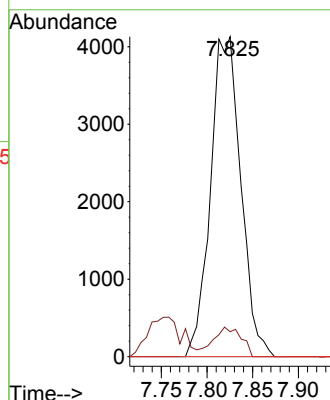
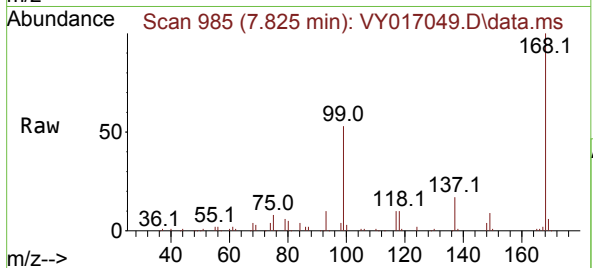
Tgt Ion: 75 Resp: 9513

Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.325 ug/l

RT: 7.819 min Scan# 984

Delta R.T. -0.098 min

Lab File: VY017049.D

Acq: 19 Jan 2024 12:38

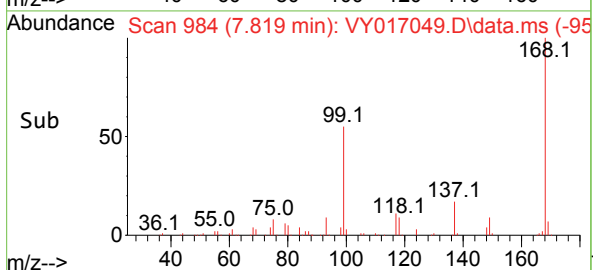
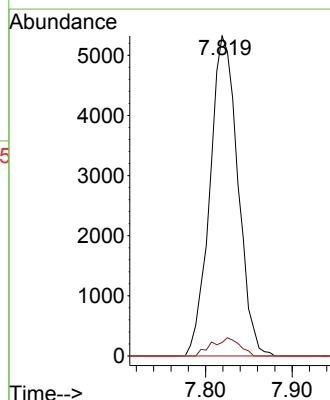
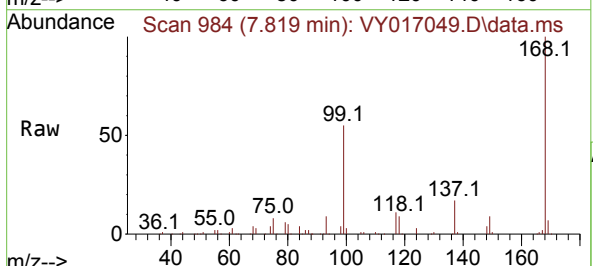
Tgt Ion: 117 Resp: 11942

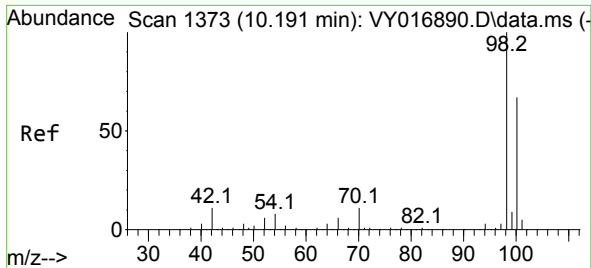
Ion Ratio Lower Upper

117 100

119 4.2 76.0 114.0#

121 0.0 24.2 36.2#

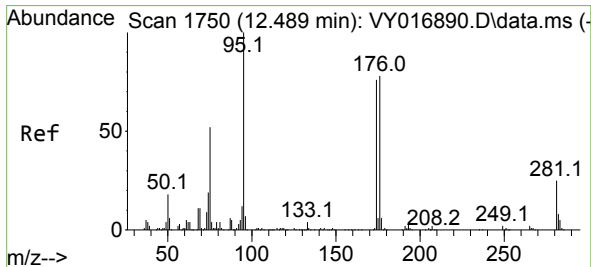
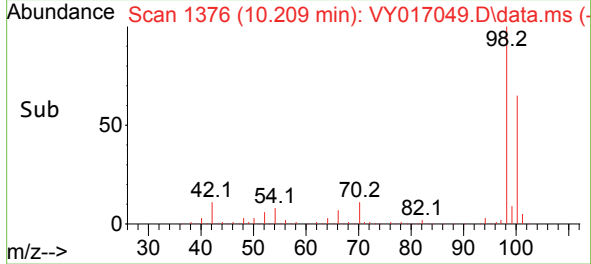
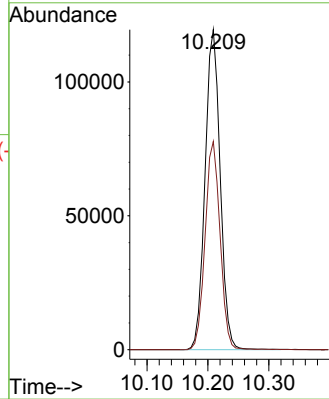
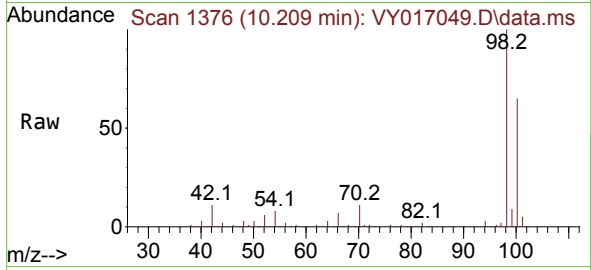




#50
Toluene-d8
Concen: 39.521 ug/l
RT: 10.209 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY017049.D
Acq: 19 Jan 2024 12:38

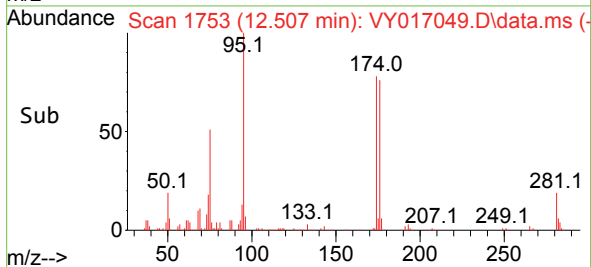
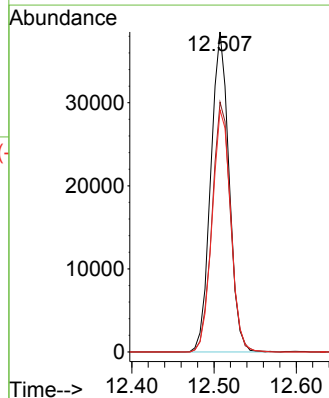
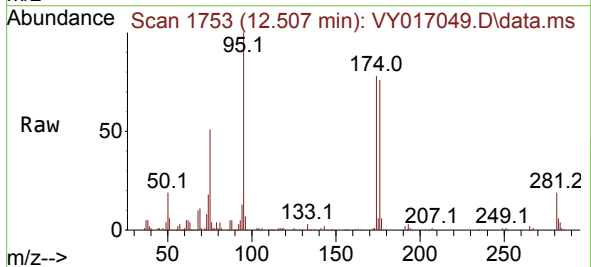
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SB-4-9.5-10.0

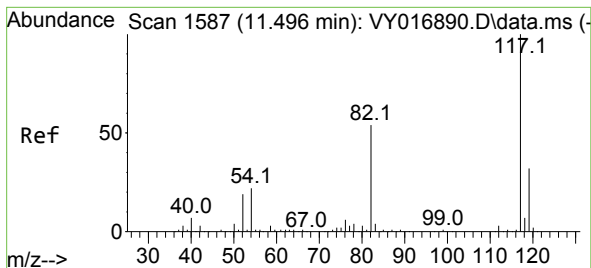
Tgt Ion: 98 Resp: 206145
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 33.846 ug/l
RT: 12.507 min Scan# 1753
Delta R.T. 0.018 min
Lab File: VY017049.D
Acq: 19 Jan 2024 12:38

Tgt Ion: 95 Resp: 59563
Ion Ratio Lower Upper
95 100
174 78.7 0.0 160.0
176 77.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.520 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY017049.D

Acq: 19 Jan 2024 12:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-9.5-10.0

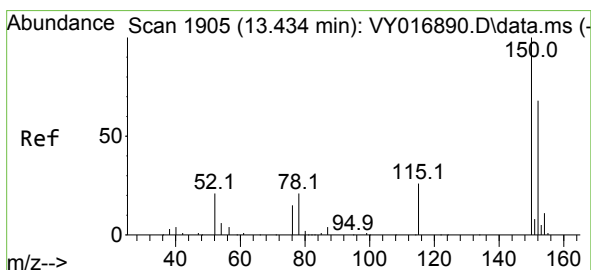
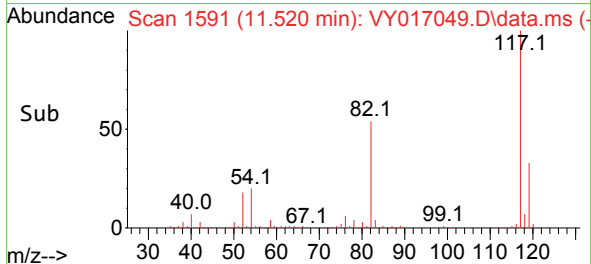
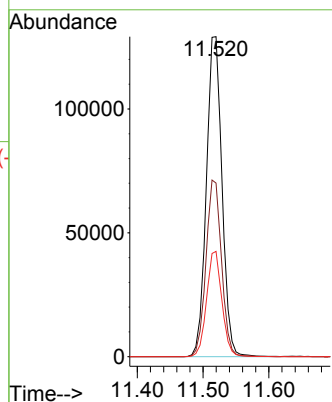
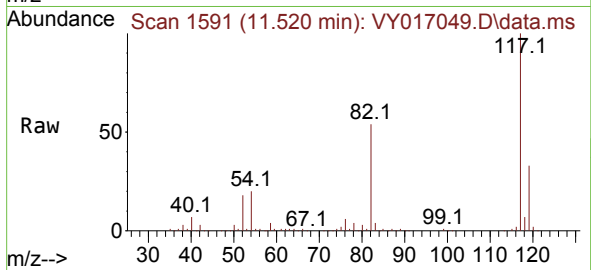
Tgt Ion:117 Resp: 213914

Ion Ratio Lower Upper

117 100

82 54.2 43.8 65.8

119 32.9 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.452 min Scan# 1908

Delta R.T. 0.018 min

Lab File: VY017049.D

Acq: 19 Jan 2024 12:38

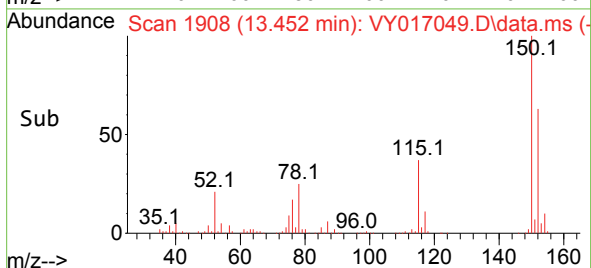
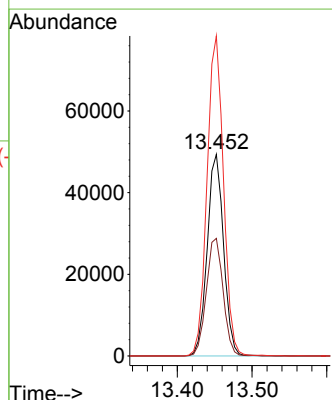
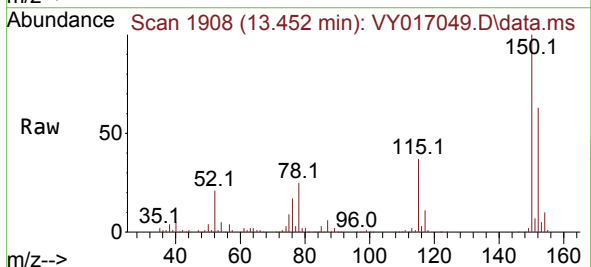
Tgt Ion:152 Resp: 75204

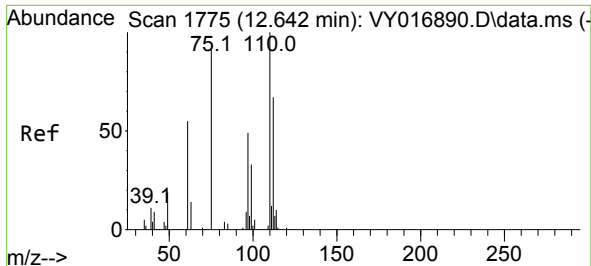
Ion Ratio Lower Upper

152 100

115 59.9 30.0 90.0

150 159.5 0.0 344.6

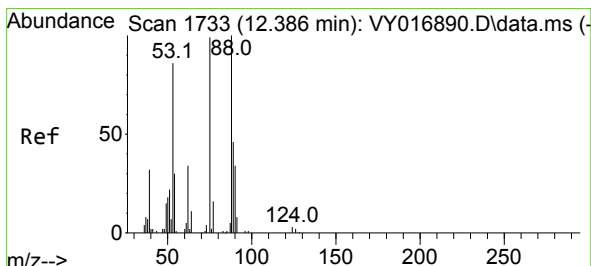
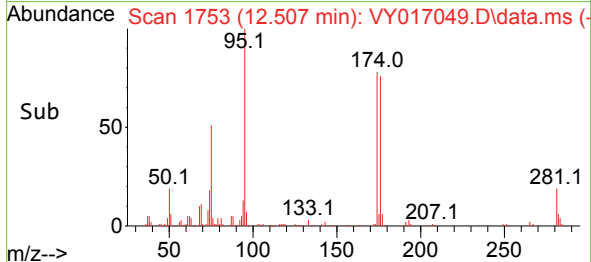
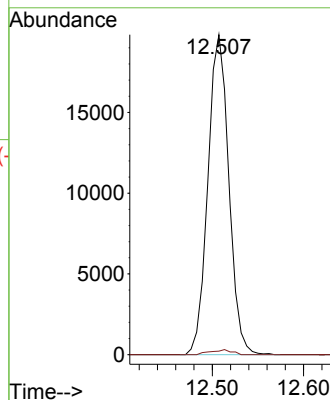
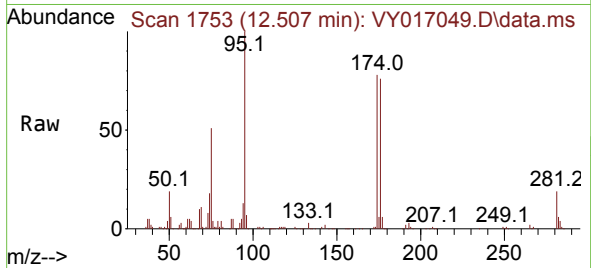




#76
1,2,3-Trichloropropane
Concen: 38.659 ug/l
RT: 12.507 min Scan# 1753
Delta R.T. -0.135 min
Lab File: VY017049.D
Acq: 19 Jan 2024 12:38

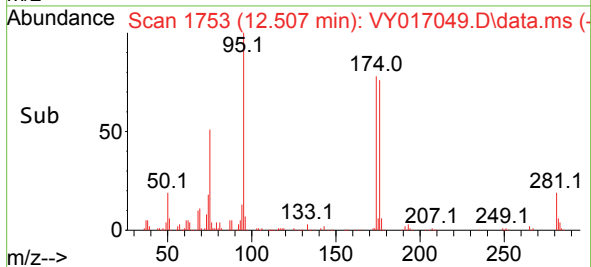
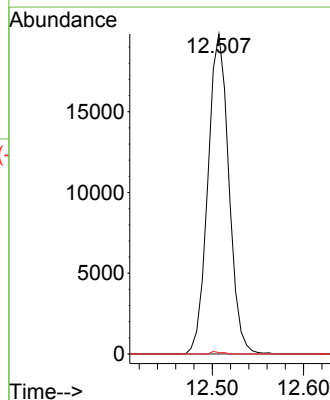
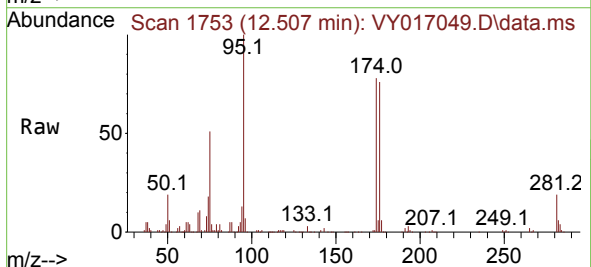
Instrument :
MSVOA_Y
ClientSampleId :
SB-4-9.5-10.0

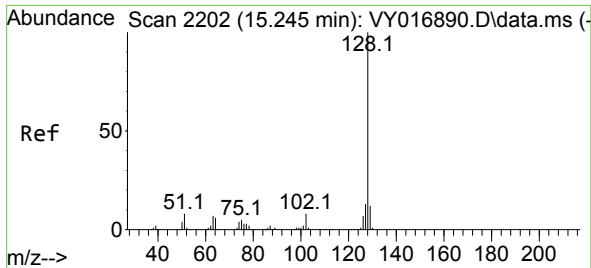
Tgt Ion: 75 Resp: 31550
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.786 ug/l
RT: 12.507 min Scan# 1753
Delta R.T. 0.122 min
Lab File: VY017049.D
Acq: 19 Jan 2024 12:38

Tgt Ion: 75 Resp: 31550
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.4 36.5 54.7#





#95

Naphthalene

Concen: 1.663 ug/l

RT: 15.263 min Scan# 21

Delta R.T. 0.018 min

Lab File: VY017049.D

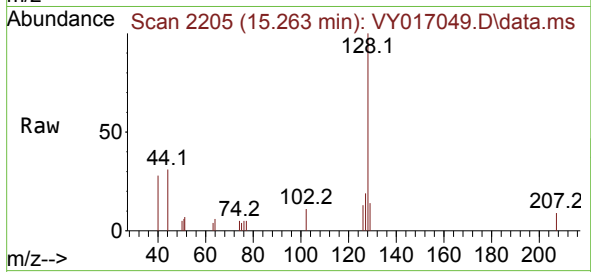
Acq: 19 Jan 2024 12:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-4-9.5-10.0



Tgt Ion:128 Resp: 2131

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 9.4 8.6 12.8

