

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
 Data File : VY017047.D
 Acq On : 19 Jan 2024 11:51
 Operator : SY/MD
 Sample : P1181-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-011824

Quant Time: Jan 19 22:19:30 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)

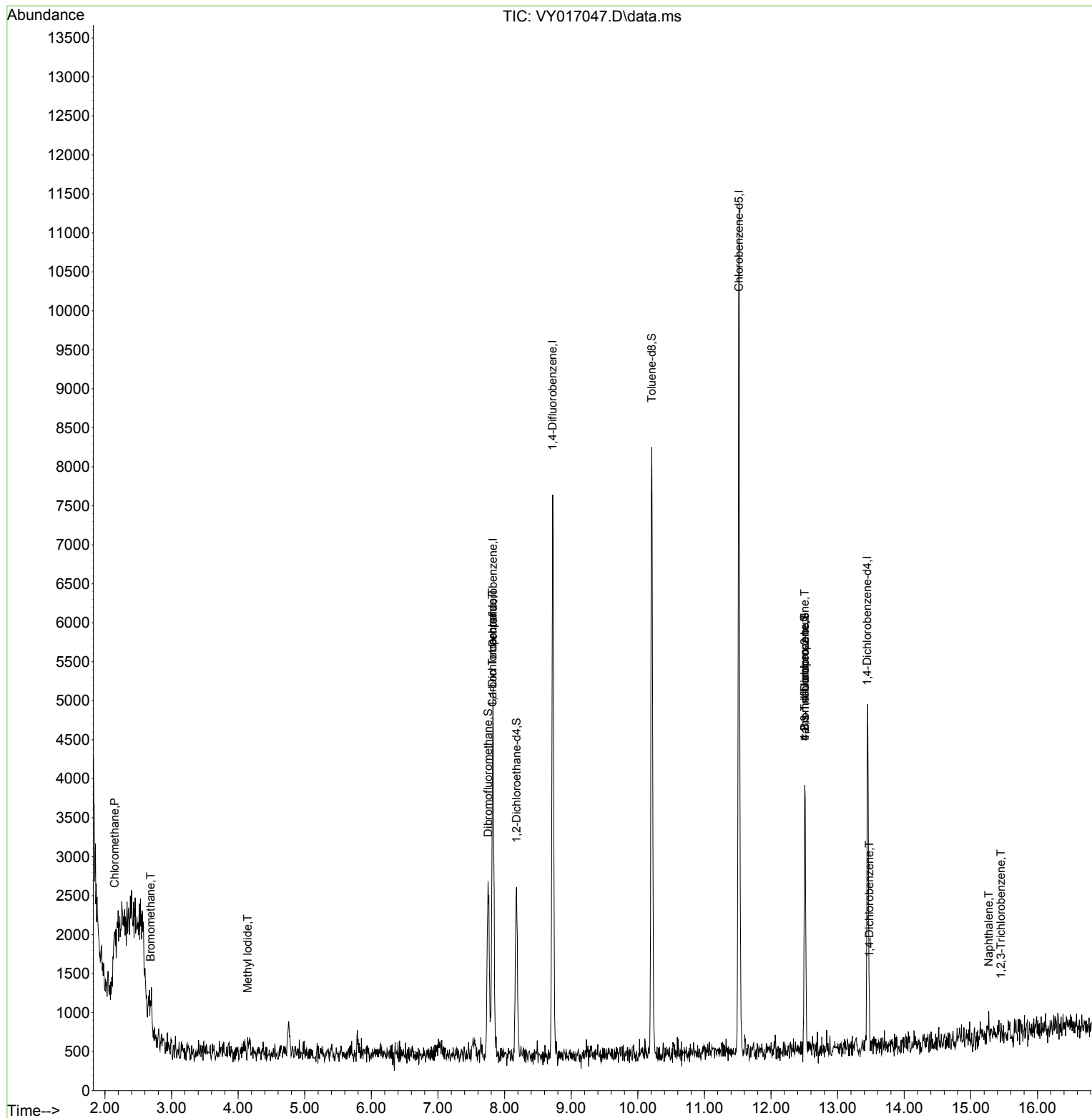
Internal Standards						
1) Pentafluorobenzene	7.825	168	3772	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	6826	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.520	117	6361	50.000	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.446	152	1351	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.179	65	1981	53.137	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.280%	
35) Dibromofluoromethane	7.752	113	1835	42.186	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 84.380%	
50) Toluene-d8	10.209	98	5738	38.308	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	= 76.620%	
62) 4-Bromofluorobenzene	12.508	95	1314	26.001	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	= 52.000%	
Target Compounds						Qvalue
3) Chloromethane	2.144	50	150	3.385	ug/l #	41
5) Bromomethane	2.686	94	88	2.350	ug/l #	39
10) Methyl Iodide	4.143	142	129	3.621	ug/l #	40
16) Acetone	3.985	43	42	Below Cal	#	41
20) Methylene Chloride	4.759	84	266	Below Cal	#	81
36) 1,1-Dichloropropene	7.819	75	256	4.038	ug/l #	42
38) Carbon Tetrachloride	7.819	117	356	5.527	ug/l #	12
76) 1,2,3-Trichloropropane	12.508	75	629	42.904	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.508	75	629	97.423	ug/l #	12
88) 1,4-Dichlorobenzene	13.477	146	95	2.039	ug/l #	25
95) Naphthalene	15.269	128	287	8.926	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.452	180	22	1.267	ug/l #	13

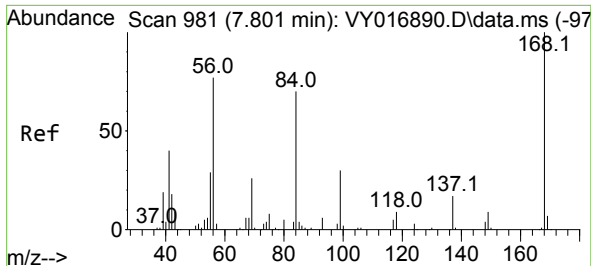
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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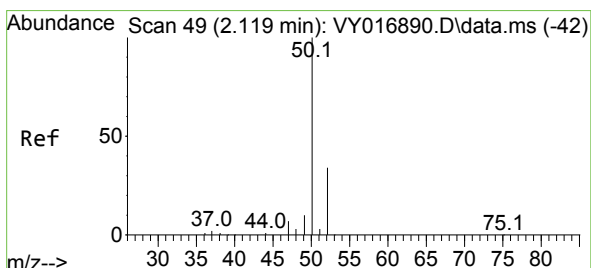
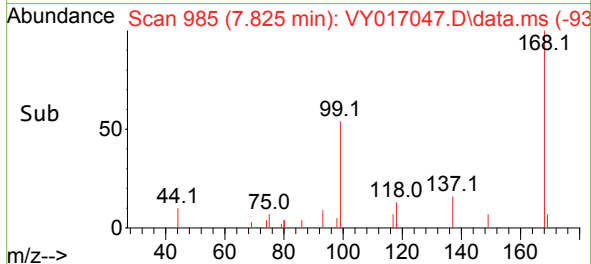
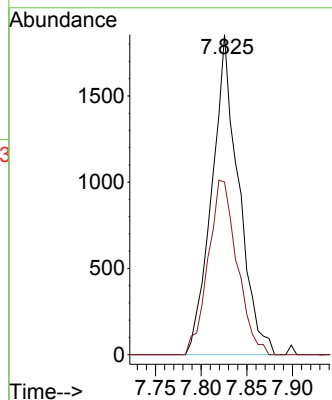
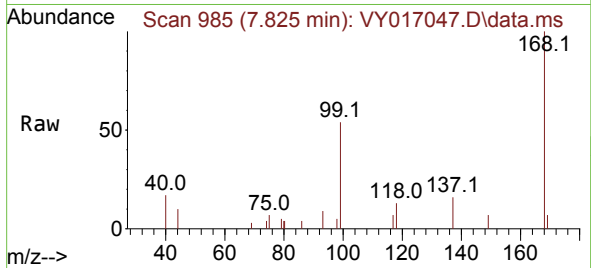




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.825 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY017047.D
Acq: 19 Jan 2024 11:51

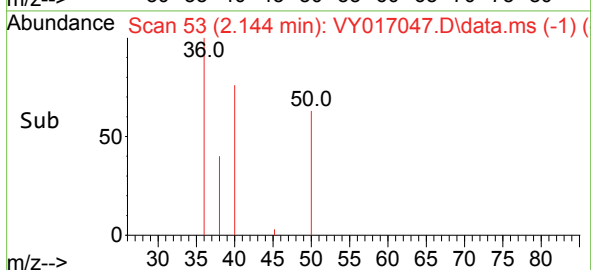
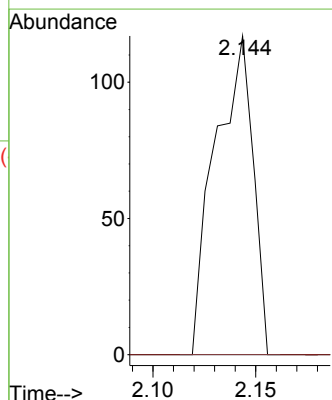
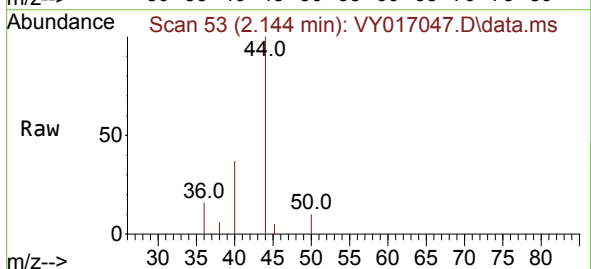
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-011824

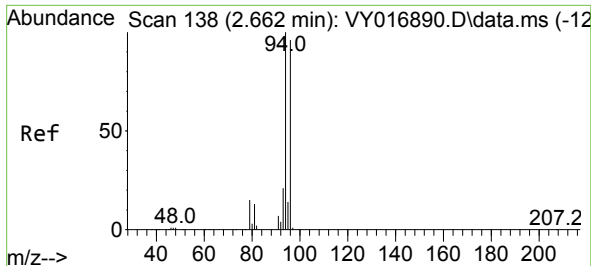
Tgt Ion:168 Resp: 3772
Ion Ratio Lower Upper
168 100
99 54.0 44.2 66.4



#3
Chloromethane
Concen: 3.385 ug/l
RT: 2.144 min Scan# 53
Delta R.T. 0.025 min
Lab File: VY017047.D
Acq: 19 Jan 2024 11:51

Tgt Ion: 50 Resp: 150
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

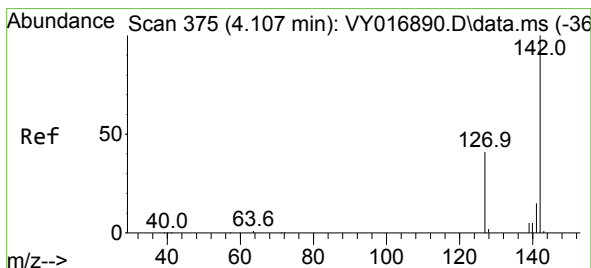
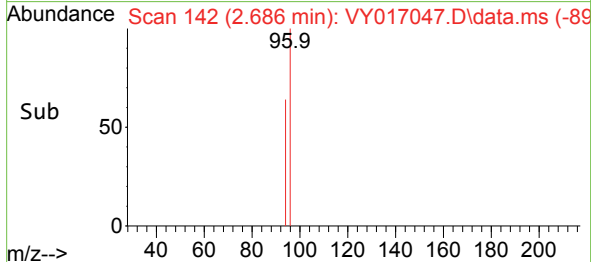
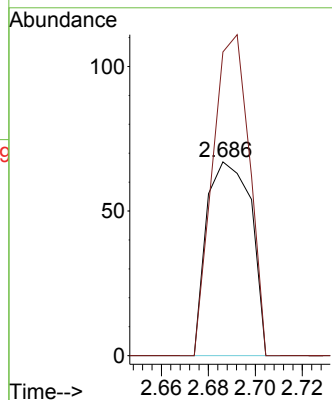
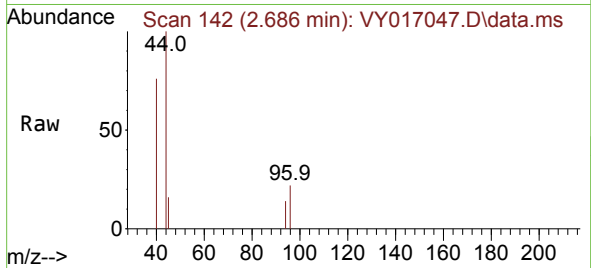




#5
Bromomethane
Concen: 2.350 ug/l
RT: 2.686 min Scan# 14
Delta R.T. 0.024 min
Lab File: VY017047.D
Acq: 19 Jan 2024 11:51

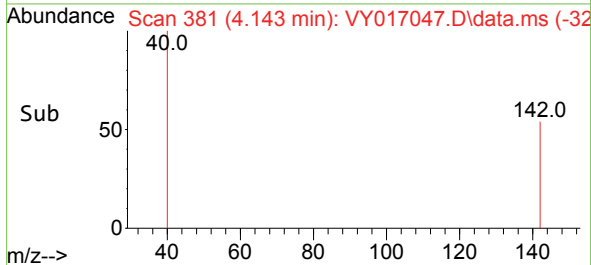
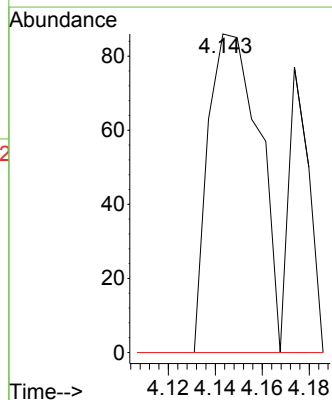
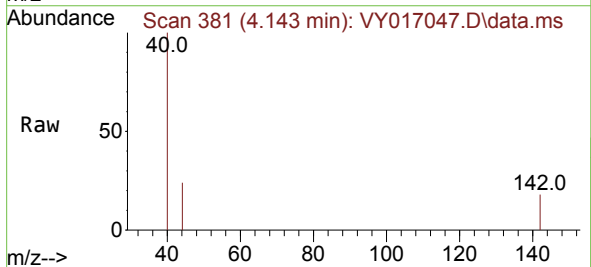
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-011824

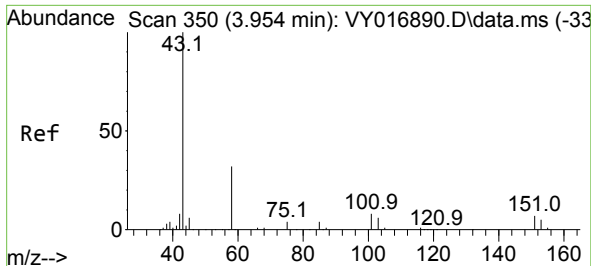
Tgt Ion: 94 Resp: 88
Ion Ratio Lower Upper
94 100
96 156.7 77.3 115.9#



#10
Methyl Iodide
Concen: 3.621 ug/l
RT: 4.143 min Scan# 381
Delta R.T. 0.037 min
Lab File: VY017047.D
Acq: 19 Jan 2024 11:51

Tgt Ion: 142 Resp: 129
Ion Ratio Lower Upper
142 100
127 0.0 35.1 52.7#
141 0.0 11.8 17.6#

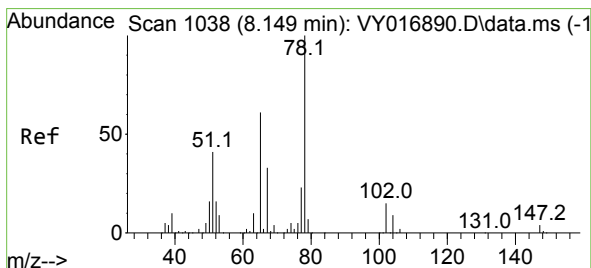
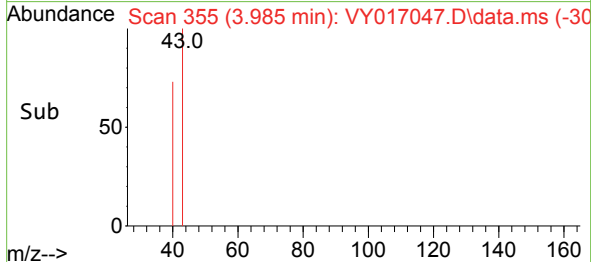
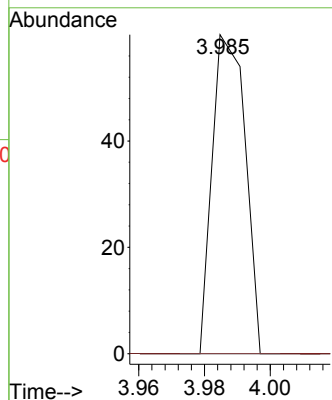
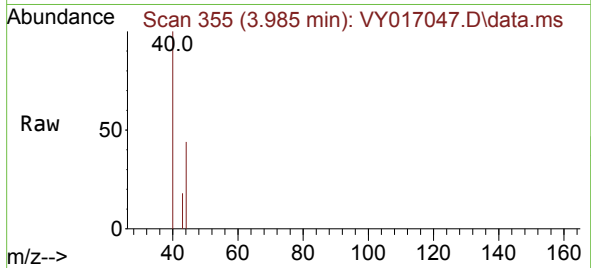




#16
Acetone
Concen: Below Cal
RT: 3.985 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY017047.D
Acq: 19 Jan 2024 11:51

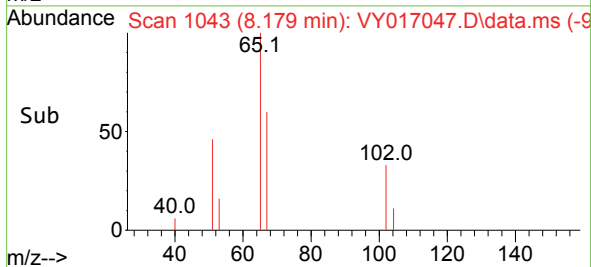
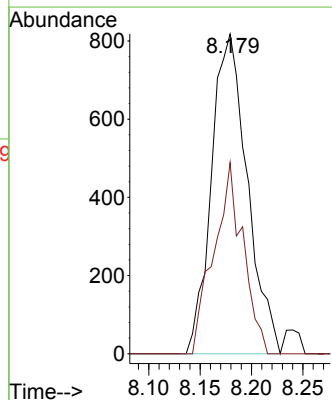
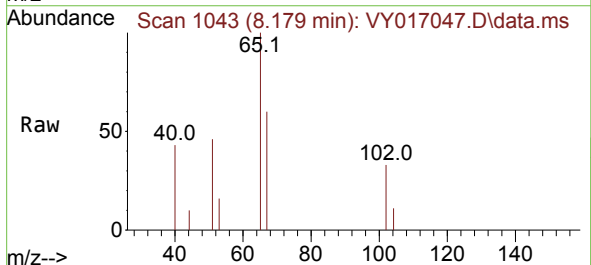
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-011824

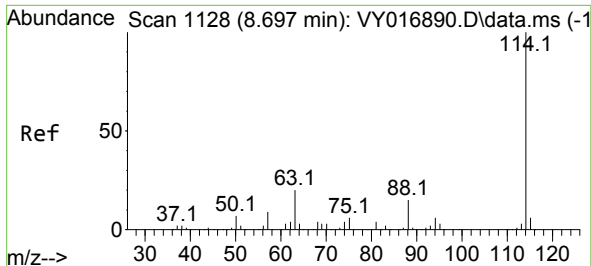
Tgt Ion: 43 Resp: 42
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



#33
1,2-Dichloroethane-d4
Concen: 53.137 ug/l
RT: 8.179 min Scan# 1043
Delta R.T. 0.024 min
Lab File: VY017047.D
Acq: 19 Jan 2024 11:51

Tgt Ion: 65 Resp: 1981
Ion Ratio Lower Upper
65 100
67 48.8 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.722 min Scan# 1128

Delta R.T. 0.019 min

Lab File: VY017047.D

Acq: 19 Jan 2024 11:51

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-011824

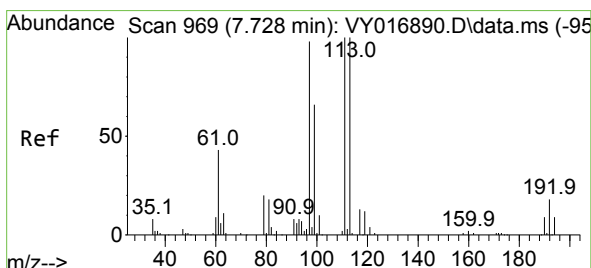
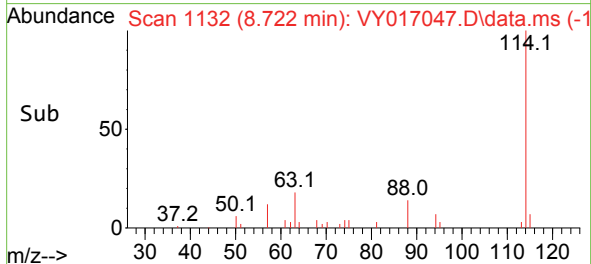
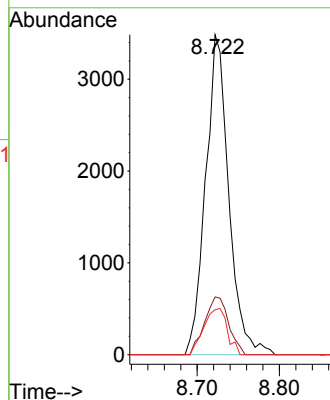
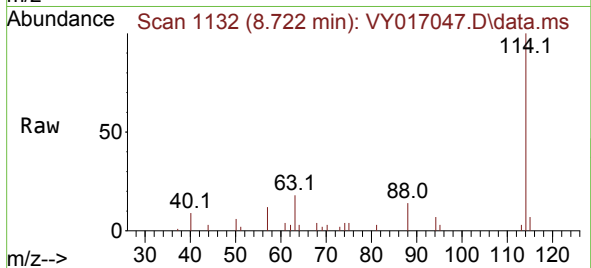
Tgt Ion:114 Resp: 6826

Ion Ratio Lower Upper

114 100

63 18.0 0.0 37.4

88 14.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 42.186 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.024 min

Lab File: VY017047.D

Acq: 19 Jan 2024 11:51

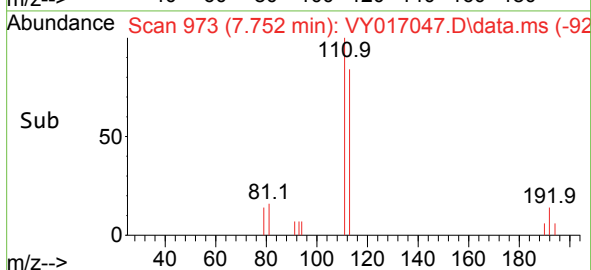
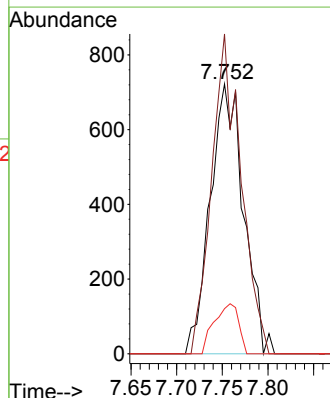
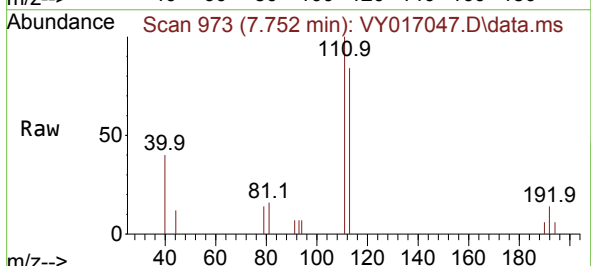
Tgt Ion:113 Resp: 1835

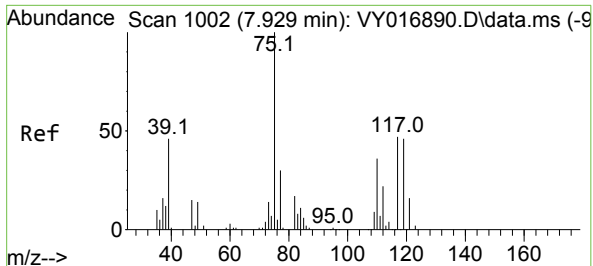
Ion Ratio Lower Upper

113 100

111 104.0 83.8 125.6

192 13.6 14.5 21.7#

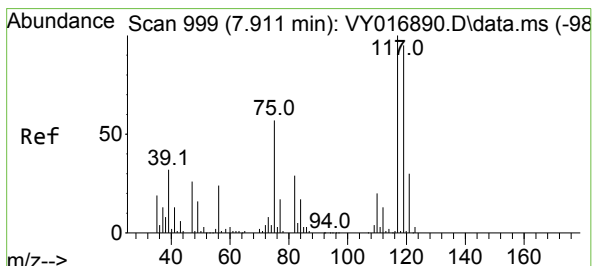
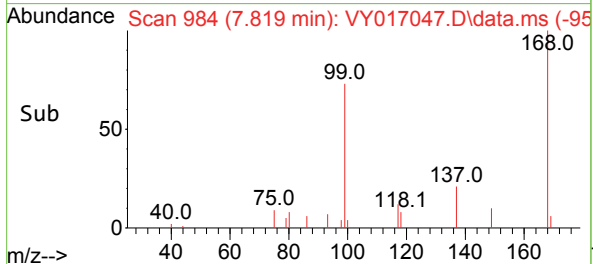
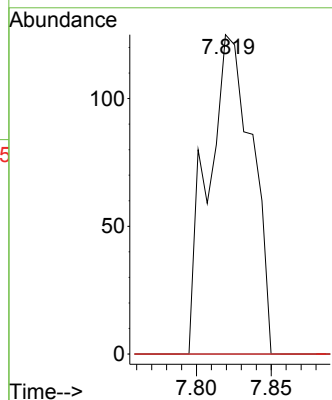
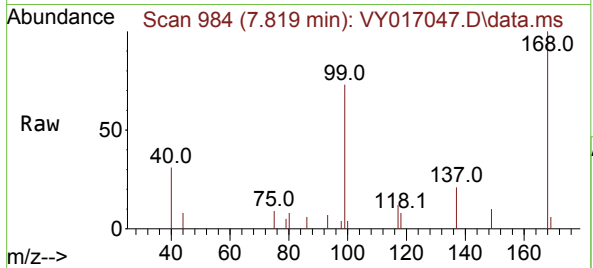




#36
 1,1-Dichloropropene
 Concen: 4.038 ug/l
 RT: 7.819 min Scan# 984
 Delta R.T. -0.110 min
 Lab File: VY017047.D
 Acq: 19 Jan 2024 11:51

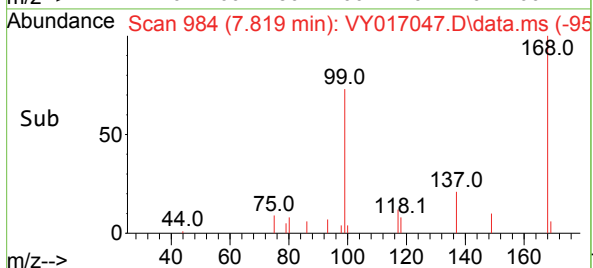
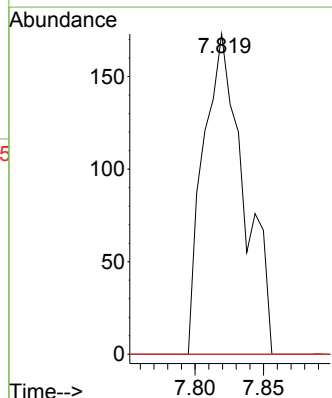
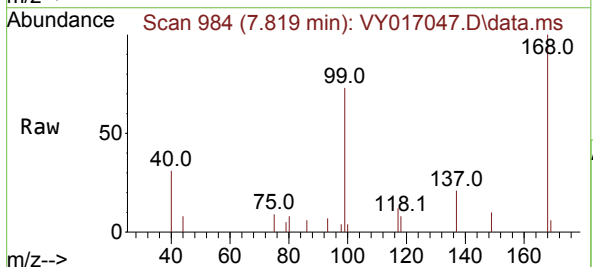
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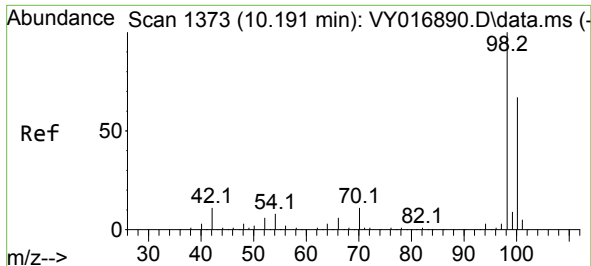
Tgt Ion: 75 Resp: 256
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.4 52.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.527 ug/l
 RT: 7.819 min Scan# 984
 Delta R.T. -0.098 min
 Lab File: VY017047.D
 Acq: 19 Jan 2024 11:51

Tgt Ion: 117 Resp: 356
 Ion Ratio Lower Upper
 117 100
 119 0.0 76.0 114.0#
 121 0.0 24.2 36.2#

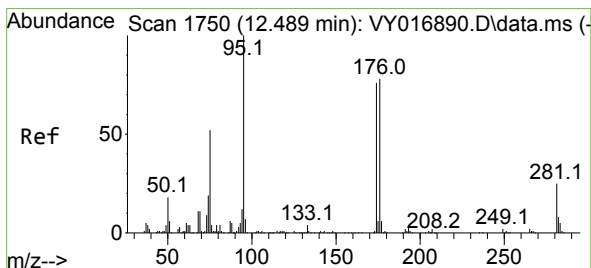
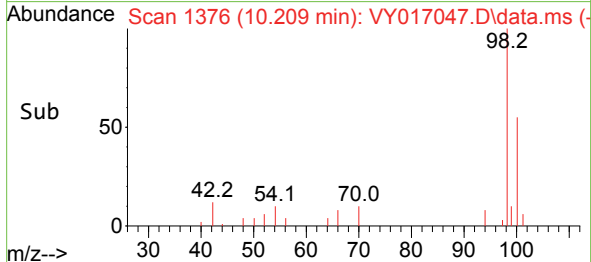
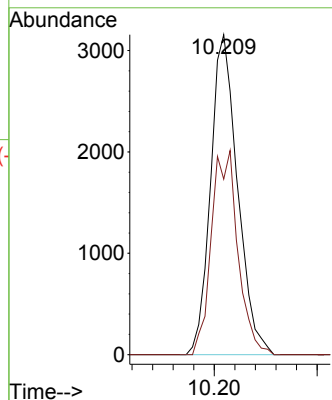
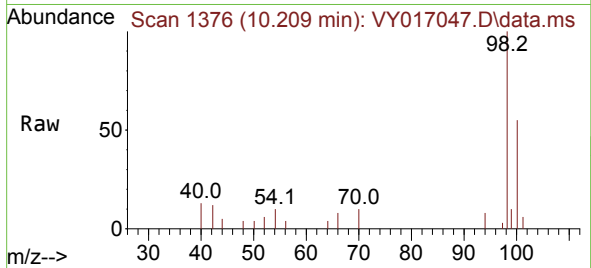




#50
Toluene-d8
Concen: 38.308 ug/l
RT: 10.209 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY017047.D
Acq: 19 Jan 2024 11:51

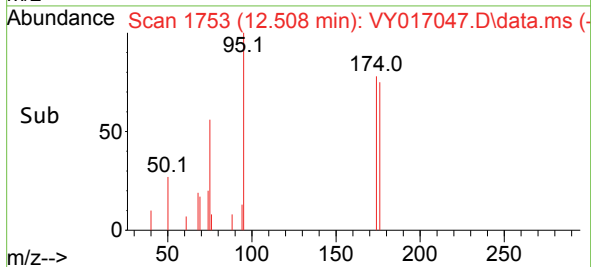
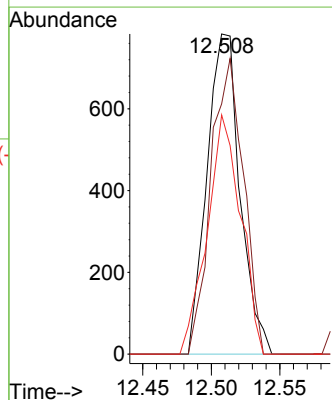
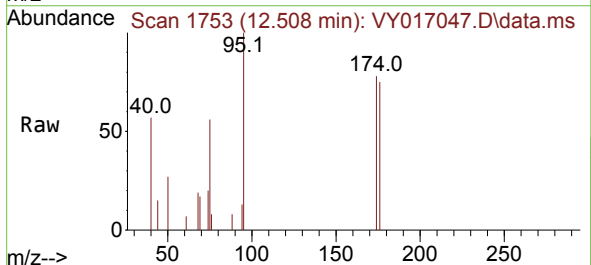
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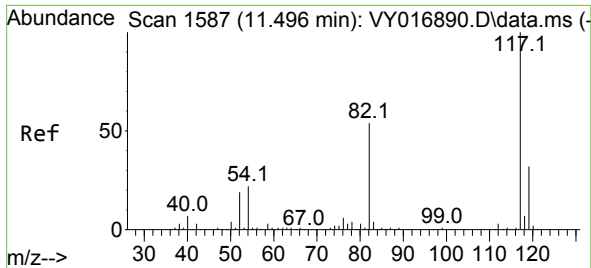
Tgt Ion: 98 Resp: 5738
Ion Ratio Lower Upper
98 100
100 62.6 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 26.001 ug/l
RT: 12.508 min Scan# 1753
Delta R.T. 0.019 min
Lab File: VY017047.D
Acq: 19 Jan 2024 11:51

Tgt Ion: 95 Resp: 1314
Ion Ratio Lower Upper
95 100
174 90.9 0.0 160.0
176 75.9 0.0 151.8

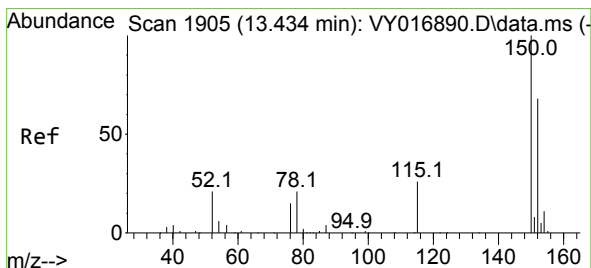
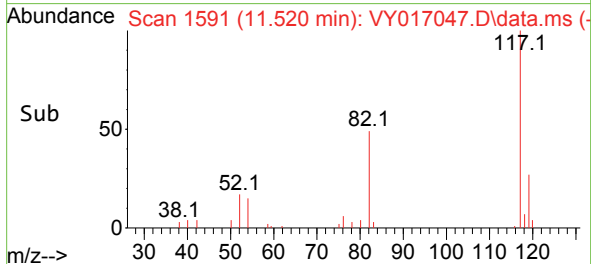
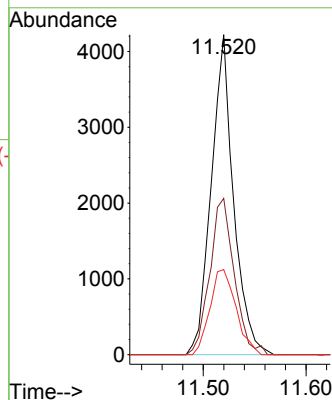
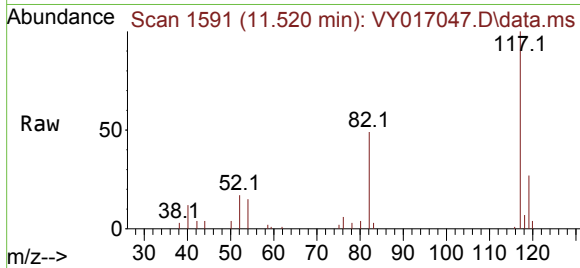




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.520 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY017047.D
Acq: 19 Jan 2024 11:51

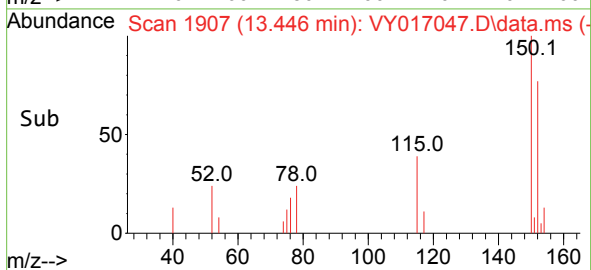
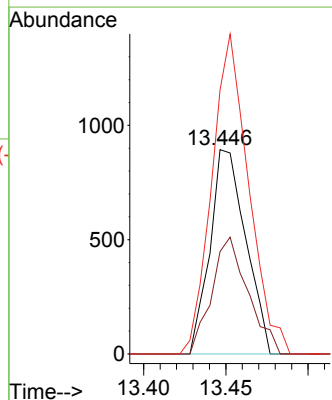
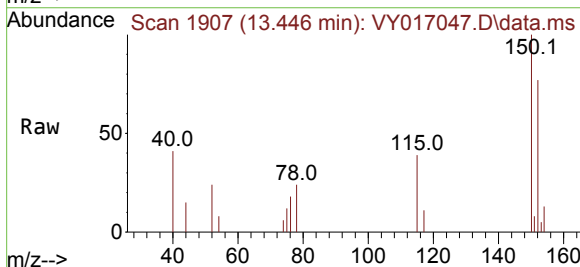
Instrument :
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ClientSampleId :
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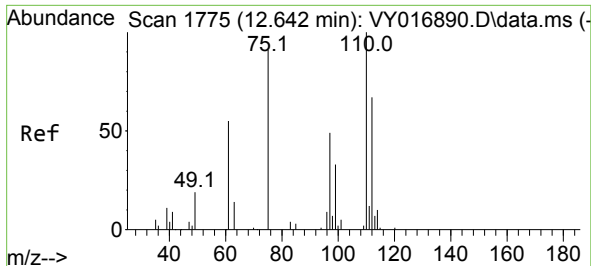
Tgt Ion:117	Resp:	6361
Ion Ratio	Lower	Upper
117	100	
82	48.9	43.8 65.8
119	26.6	26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.012 min
Lab File: VY017047.D
Acq: 19 Jan 2024 11:51

Tgt Ion:152	Resp:	1351
Ion Ratio	Lower	Upper
152	100	
115	58.0	30.0 90.0
150	161.2	0.0 344.6

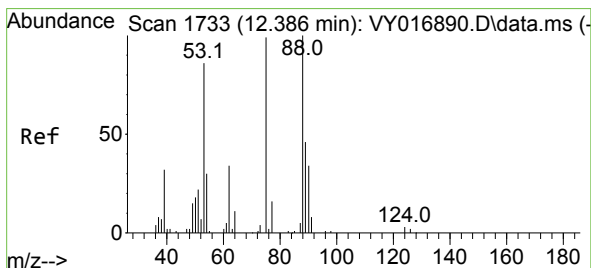
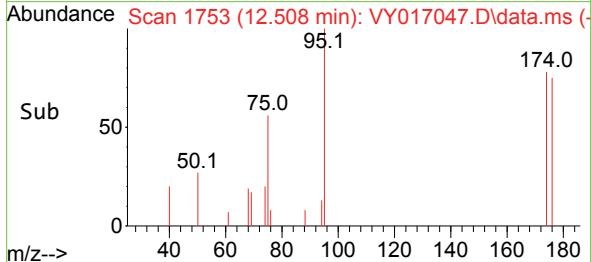
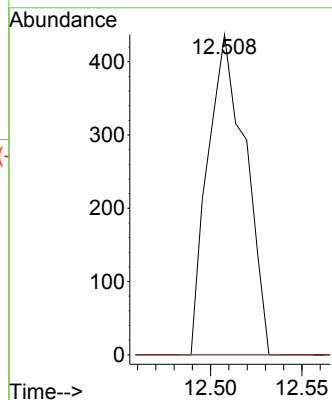
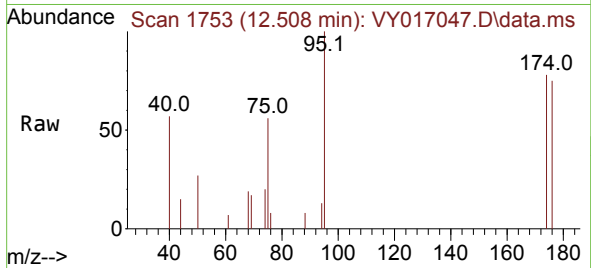




#76
1,2,3-Trichloropropane
Concen: 42.904 ug/l
RT: 12.508 min Scan# 1753
Delta R.T. -0.134 min
Lab File: VY017047.D
Acq: 19 Jan 2024 11:51

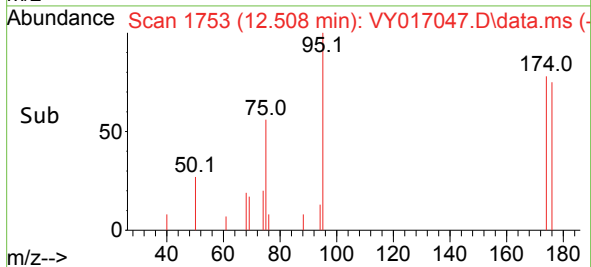
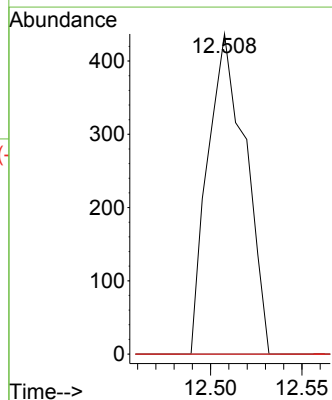
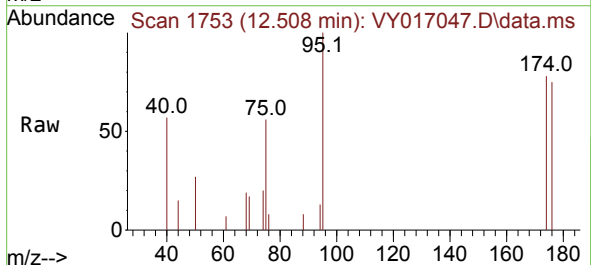
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-011824

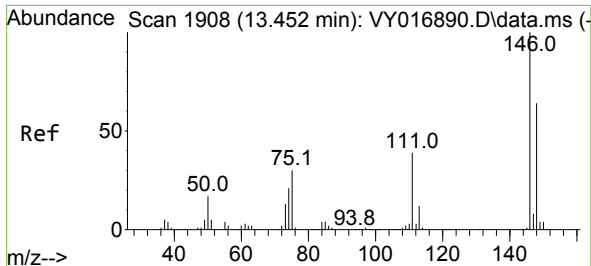
Tgt Ion: 75 Resp: 629
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 97.423 ug/l
RT: 12.508 min Scan# 1753
Delta R.T. 0.123 min
Lab File: VY017047.D
Acq: 19 Jan 2024 11:51

Tgt Ion: 75 Resp: 629
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

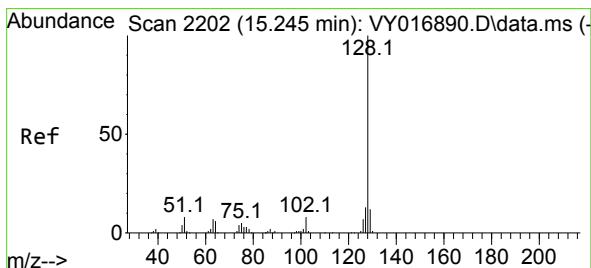
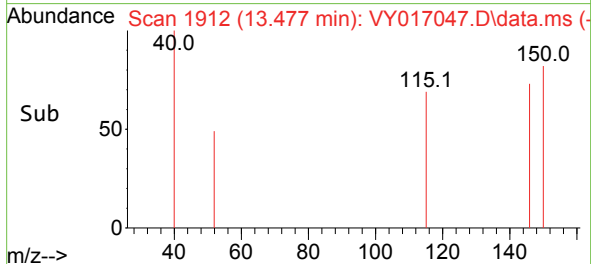
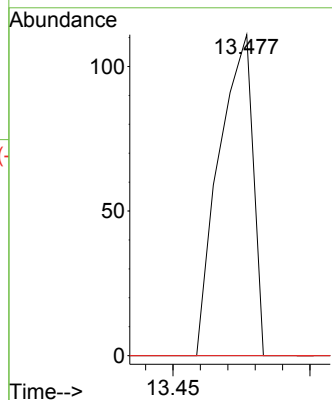
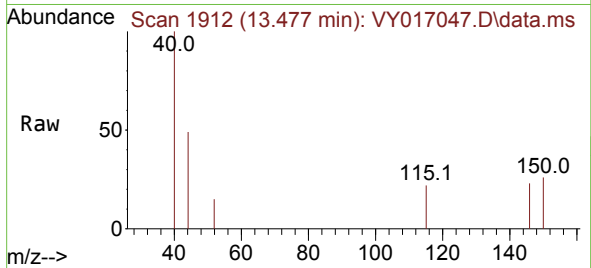




#88
1,4-Dichlorobenzene
Concen: 2.039 ug/l
RT: 13.477 min Scan# 1908
Delta R.T. 0.025 min
Lab File: VY017047.D
Acq: 19 Jan 2024 11:51

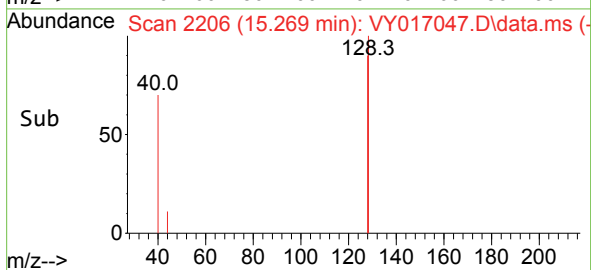
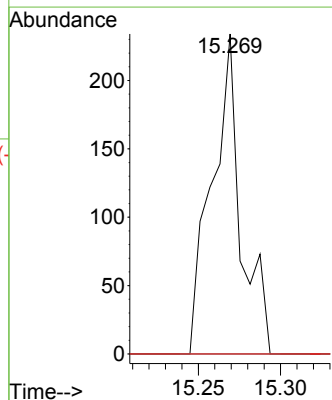
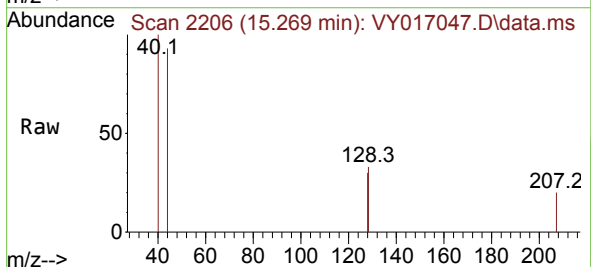
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-011824

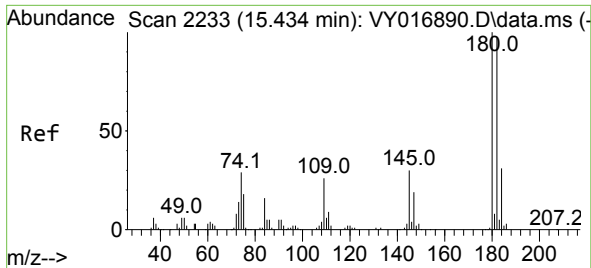
Tgt Ion:146 Resp: 95
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.9#
148 0.0 31.6 94.7#



#95
Naphthalene
Concen: 8.926 ug/l
RT: 15.269 min Scan# 2206
Delta R.T. 0.024 min
Lab File: VY017047.D
Acq: 19 Jan 2024 11:51

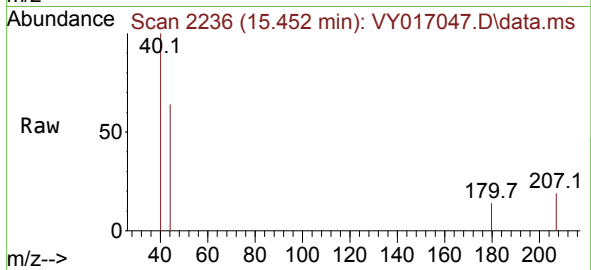
Tgt Ion:128 Resp: 287
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.267 ug/l
 RT: 15.452 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VY017047.D
 Acq: 19 Jan 2024 11:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-011824



Tgt Ion:180 Resp: 22
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.3 138.8#
 145 0.0 16.1 48.2#

