

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017434.D
 Acq On : 21 Feb 2024 13:44
 Operator : SY/MD
 Sample : P1537-01
 Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1

Quant Time: Feb 22 03:25:16 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)

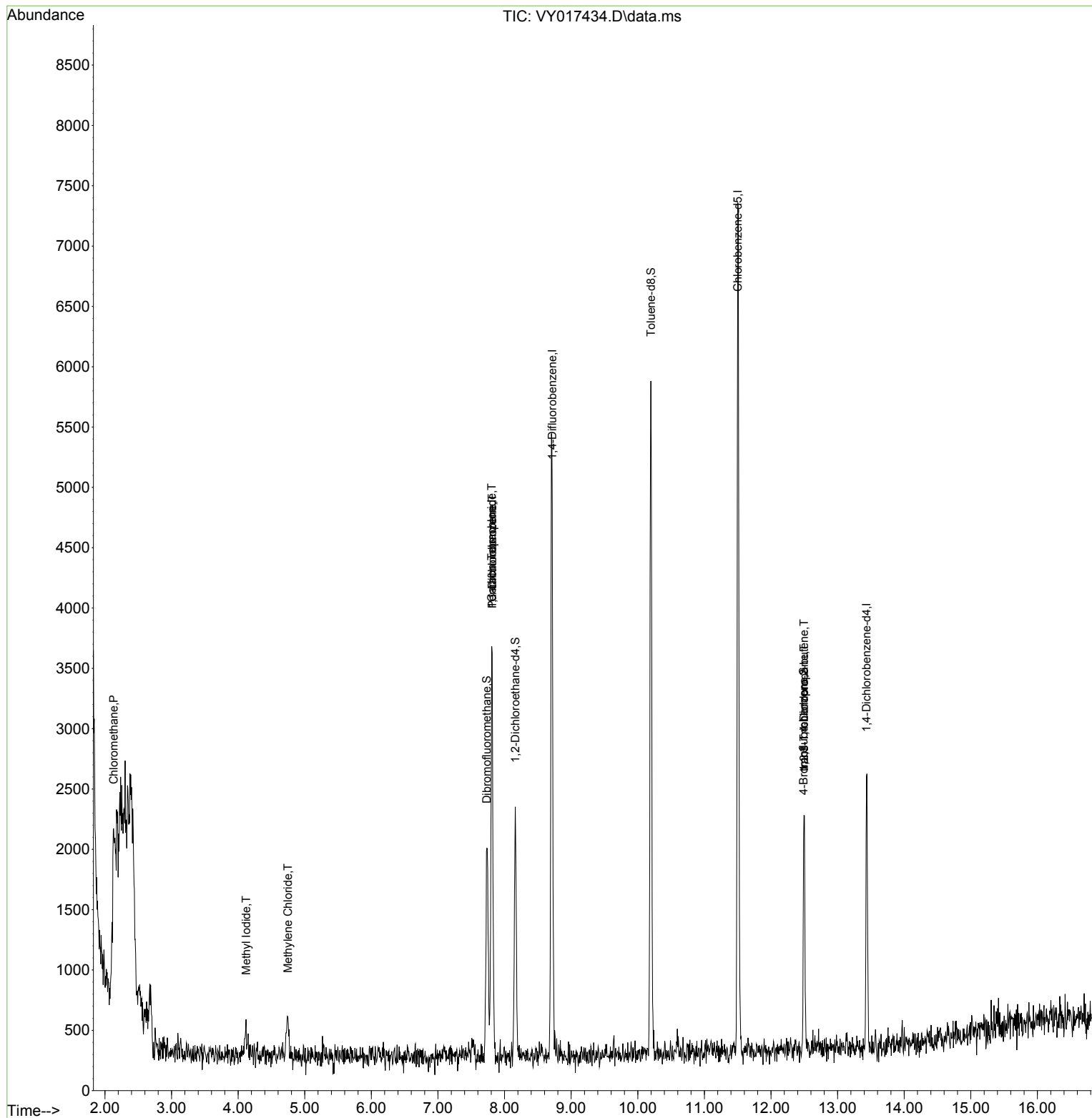
Internal Standards						
1) Pentafluorobenzene	7.813	168	3069	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.716	114	5381	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.502	117	4610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	1751	66.786	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.580%	
35) Dibromofluoromethane	7.734	113	1580	50.161	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.320%	
50) Toluene-d8	10.197	98	4268	34.937	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 69.880%	
62) 4-Bromofluorobenzene	12.489	95	882	22.628	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 45.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.132	50	167	3.344	ug/l #	43
5) Bromomethane	2.668	94	89	Below Cal		98
10) Methyl Iodide	4.119	142	340	9.911	ug/l #	57
20) Methylene Chloride	4.747	84	278	2.170	ug/l #	55
36) 1,1-Dichloropropene	7.813	75	137	2.604	ug/l #	40
38) Carbon Tetrachloride	7.807	117	230	4.391	ug/l #	13
76) 1,2,3-Trichloropropane	12.496	75	406	51.888	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.496	75	406	120.979	ug/l #	16

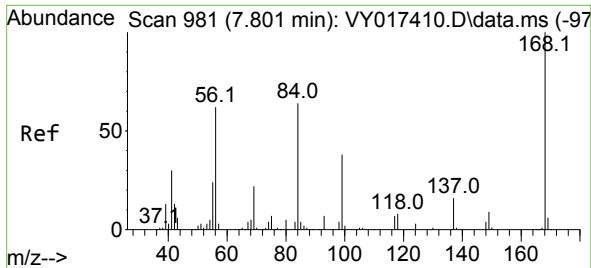
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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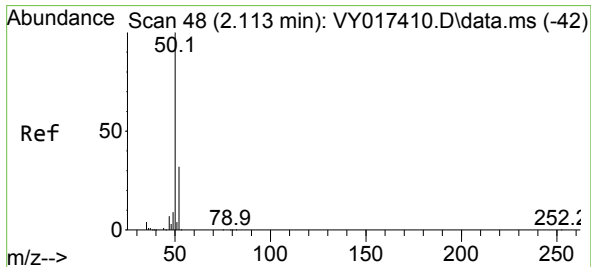
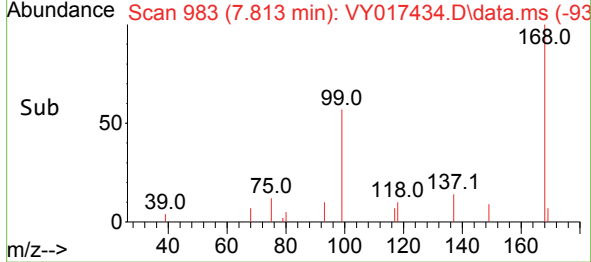
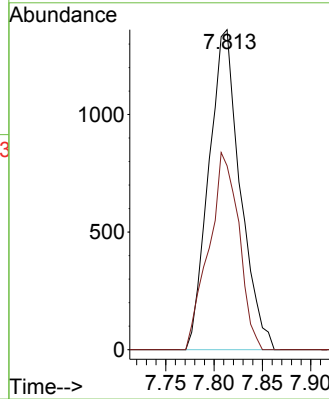
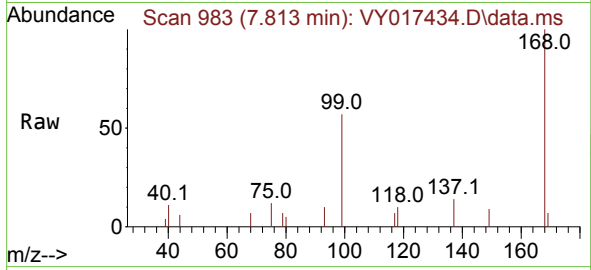




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017434.D
Acq: 21 Feb 2024 13:44

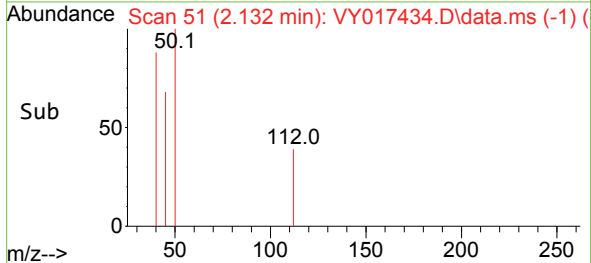
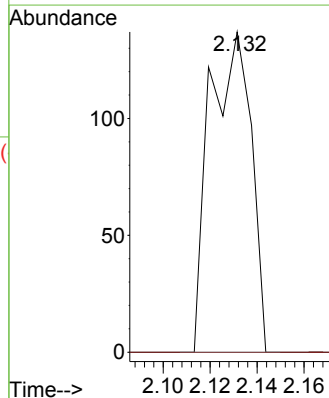
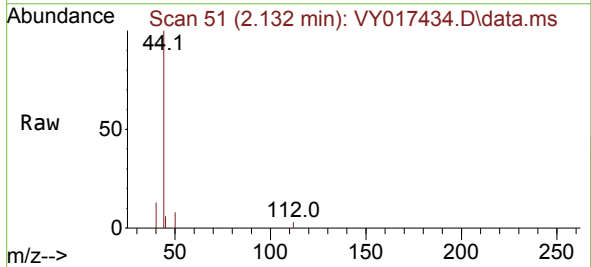
Instrument :
MSVOA_Y
ClientSampleId :
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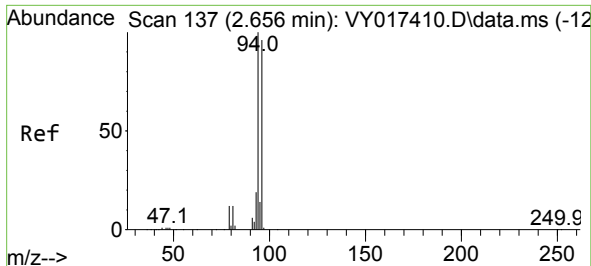
Tgt Ion:168 Resp: 3069
Ion Ratio Lower Upper
168 100
99 57.5 39.1 58.7



#3
Chloromethane
Concen: 3.344 ug/l
RT: 2.132 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY017434.D
Acq: 21 Feb 2024 13:44

Tgt Ion: 50 Resp: 167
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

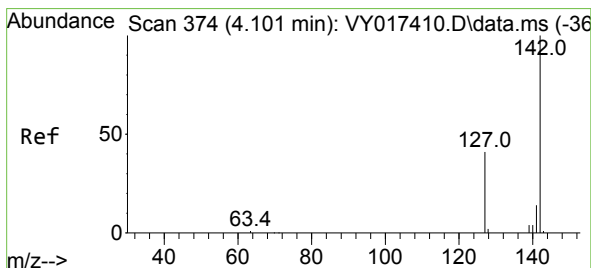
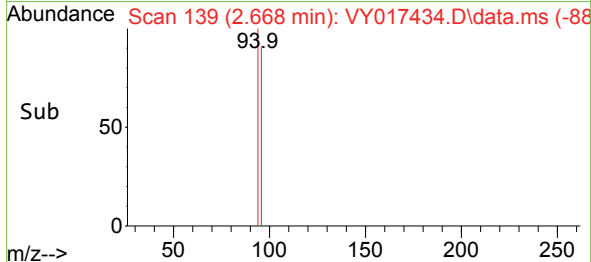
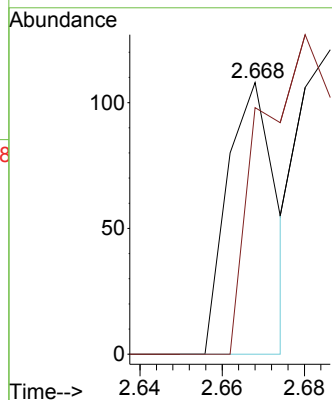
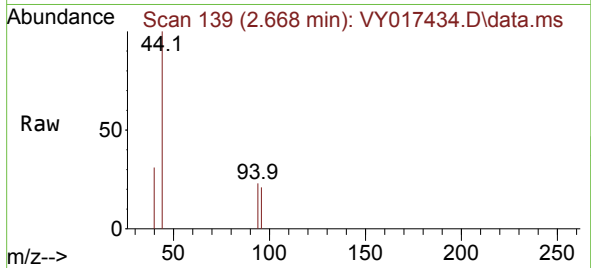




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY017434.D
Acq: 21 Feb 2024 13:44

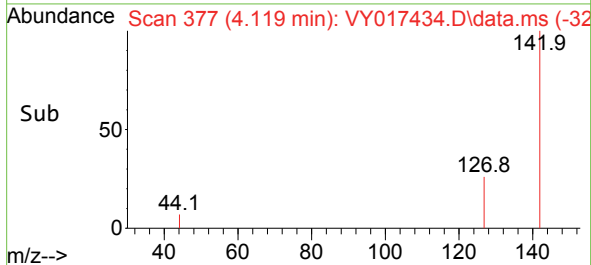
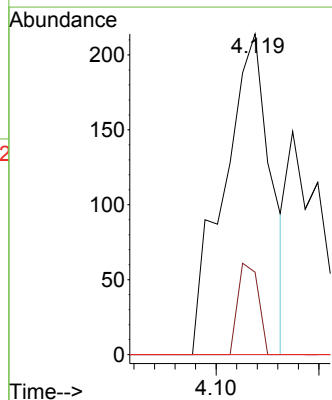
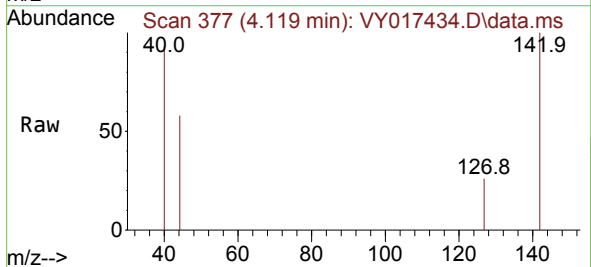
Instrument :
MSVOA_Y
ClientSampleId :
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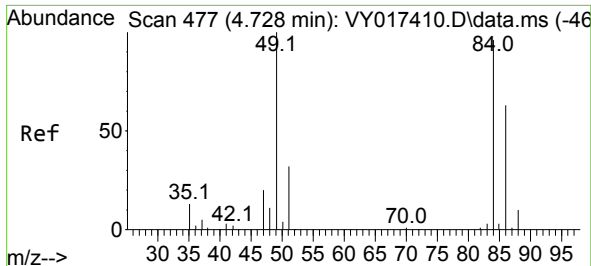
Tgt Ion: 94 Resp: 89
Ion Ratio Lower Upper
94 100
96 90.7 74.1 111.1



#10
Methyl Iodide
Concen: 9.911 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.018 min
Lab File: VY017434.D
Acq: 21 Feb 2024 13:44

Tgt Ion: 142 Resp: 340
Ion Ratio Lower Upper
142 100
127 12.4 32.8 49.2#
141 0.0 11.4 17.2#





#20

Methylene Chloride

Concen: 2.170 ug/l

RT: 4.747 min Scan# 41

Delta R.T. 0.019 min

Lab File: VY017434.D

Acq: 21 Feb 2024 13:44

Instrument :

MSVOA_Y

ClientSampleId :

1

Tgt Ion: 84 Resp: 278

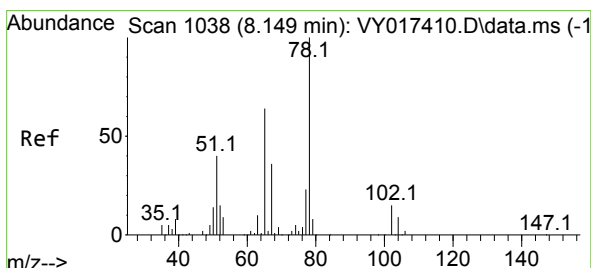
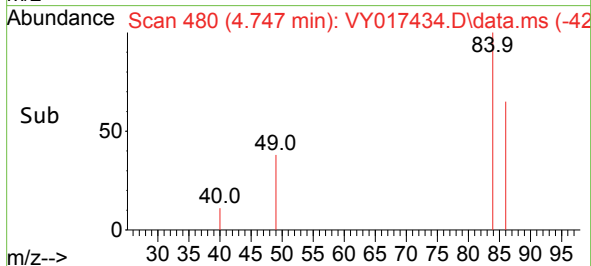
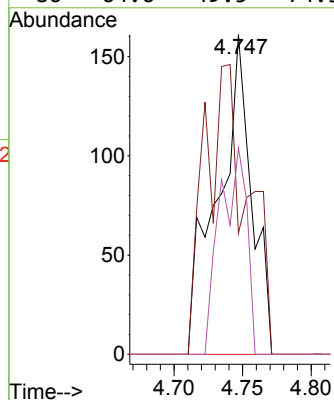
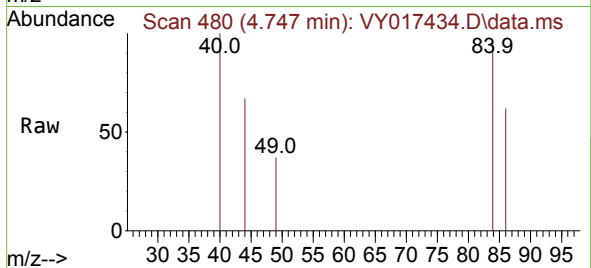
Ion Ratio Lower Upper

84 100

49 37.9 84.4 126.6#

51 0.0 26.0 39.0#

86 64.6 49.5 74.3



#33

1,2-Dichloroethane-d4

Concen: 66.786 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.012 min

Lab File: VY017434.D

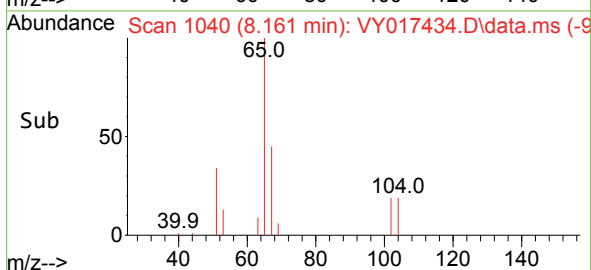
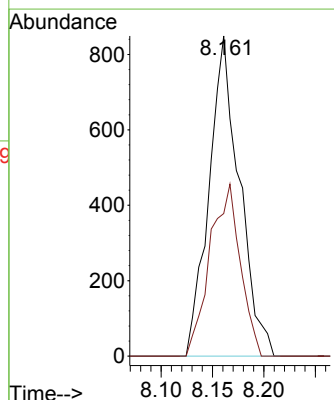
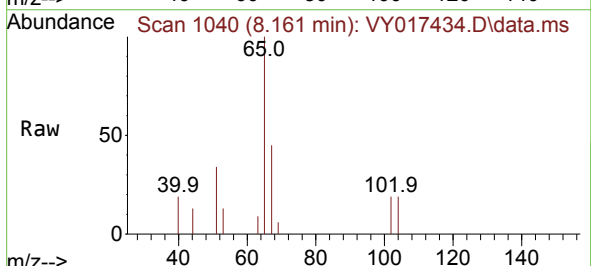
Acq: 21 Feb 2024 13:44

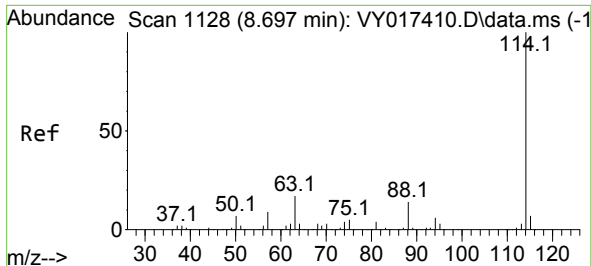
Tgt Ion: 65 Resp: 1751

Ion Ratio Lower Upper

65 100

67 53.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1128

Delta R.T. 0.018 min

Lab File: VY017434.D

Acq: 21 Feb 2024 13:44

Instrument :

MSVOA_Y

ClientSampleId :

1

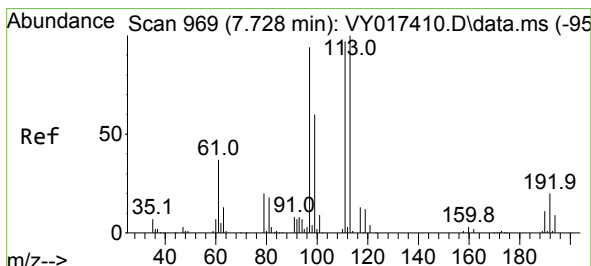
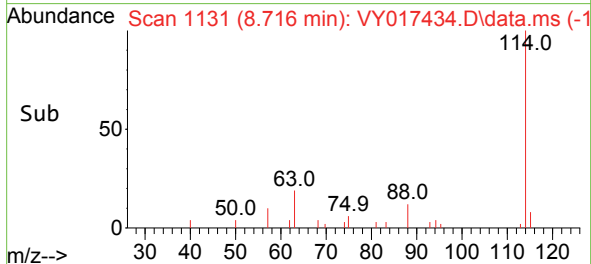
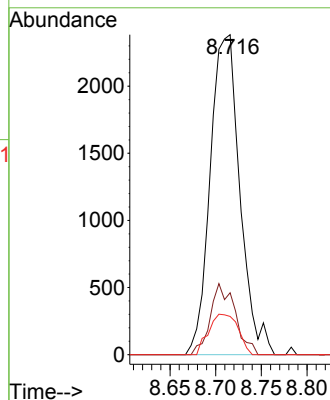
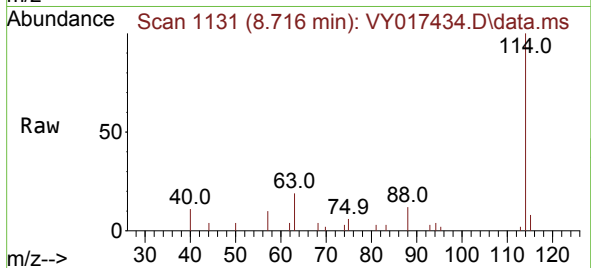
Tgt Ion:114 Resp: 5381

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.0

88 11.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.161 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY017434.D

Acq: 21 Feb 2024 13:44

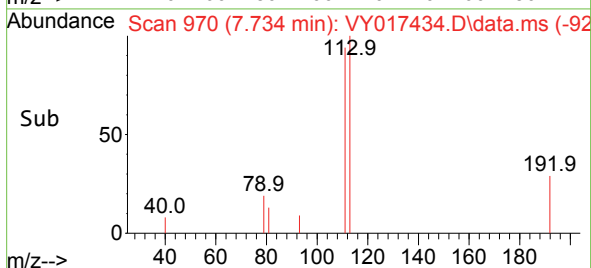
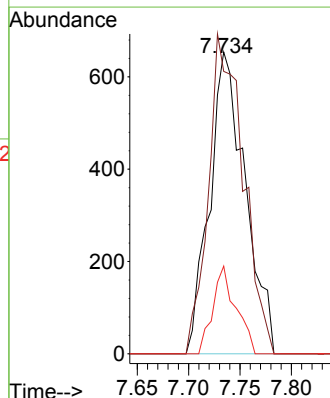
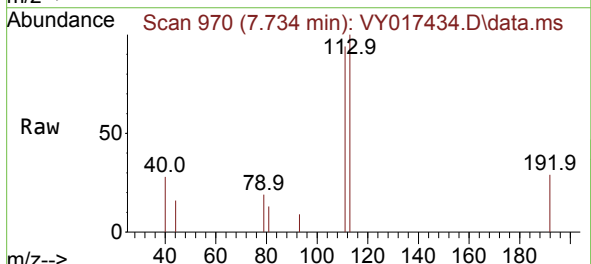
Tgt Ion:113 Resp: 1580

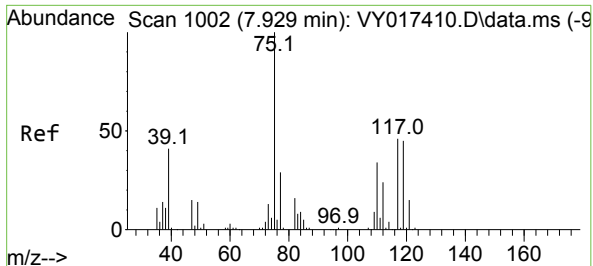
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 18.8 15.9 23.9

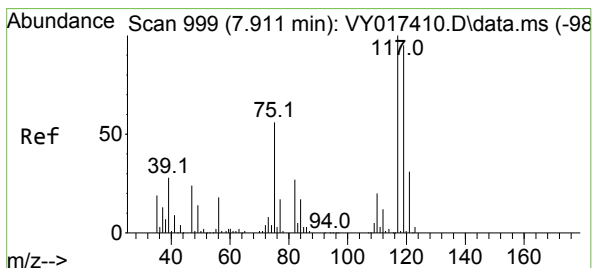
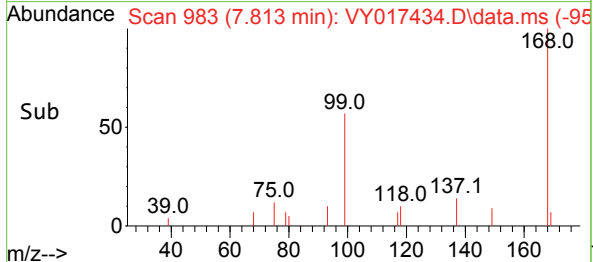
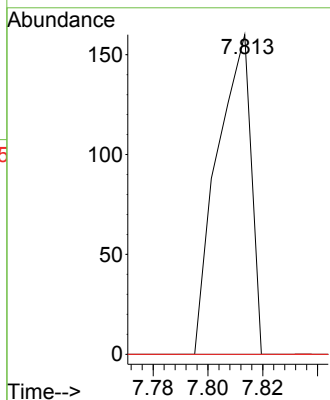
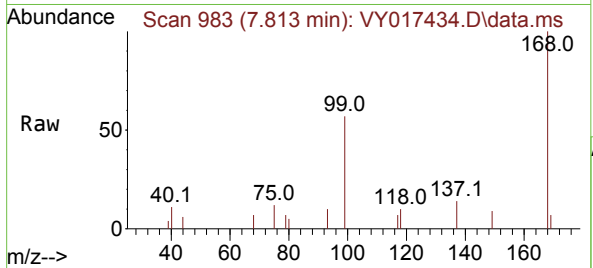




#36
1,1-Dichloropropene
Concen: 2.604 ug/l
RT: 7.813 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY017434.D
Acq: 21 Feb 2024 13:44

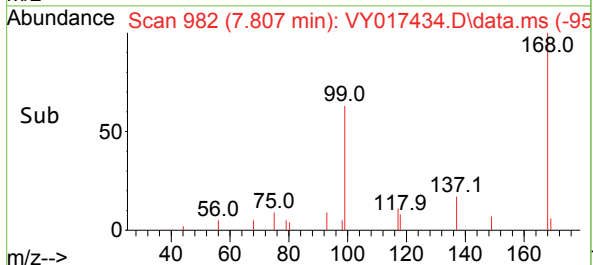
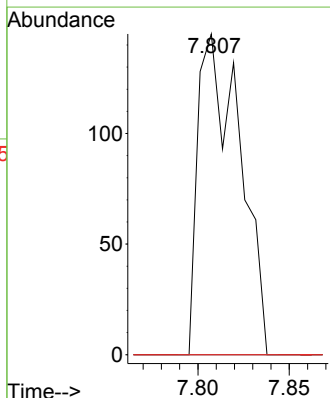
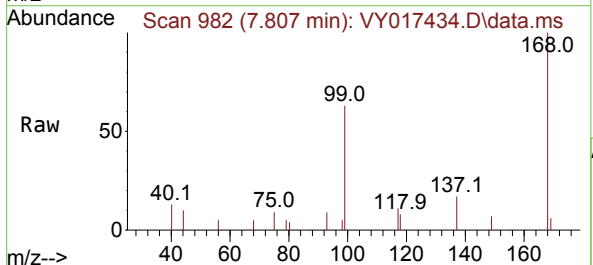
Instrument :
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ClientSampleId :
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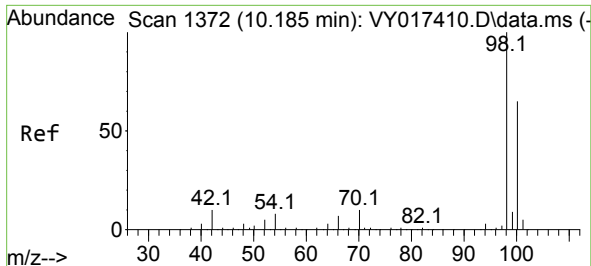
Tgt Ion: 75 Resp: 137
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.391 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.103 min
Lab File: VY017434.D
Acq: 21 Feb 2024 13:44

Tgt Ion: 117 Resp: 230
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#

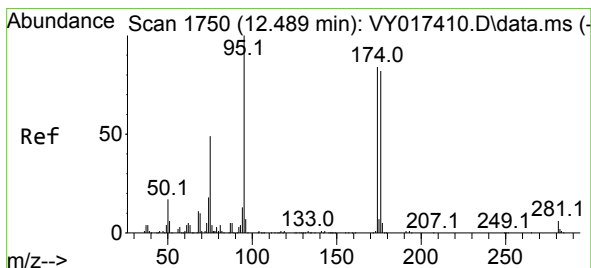
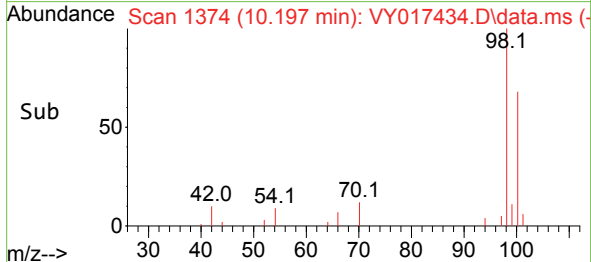
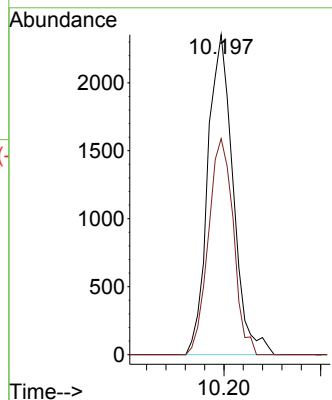
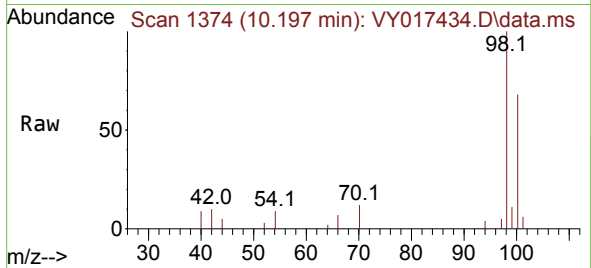




#50
Toluene-d8
Concen: 34.937 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY017434.D
Acq: 21 Feb 2024 13:44

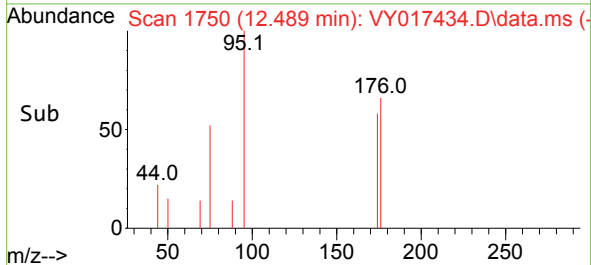
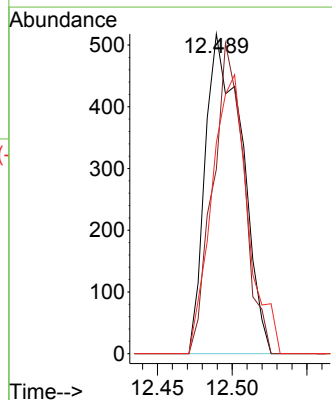
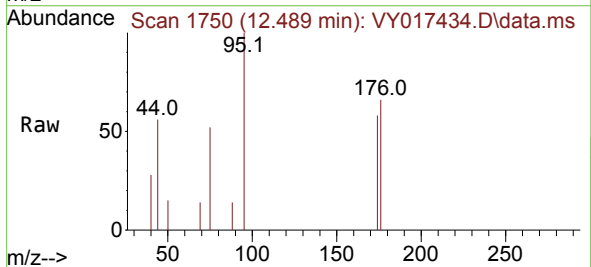
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MSVOA_Y
ClientSampleId :
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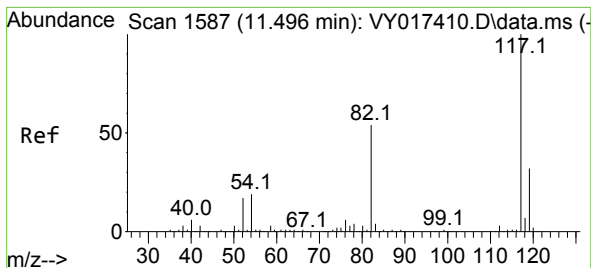
Tgt Ion: 98 Resp: 4268
Ion Ratio Lower Upper
98 100
100 66.5 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 22.628 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017434.D
Acq: 21 Feb 2024 13:44

Tgt Ion: 95 Resp: 882
Ion Ratio Lower Upper
95 100
174 82.5 0.0 175.6
176 85.9 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: VY017434.D

Acq: 21 Feb 2024 13:44

Instrument :

MSVOA_Y

ClientSampleId :

1

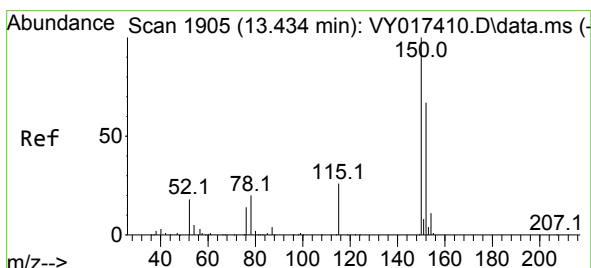
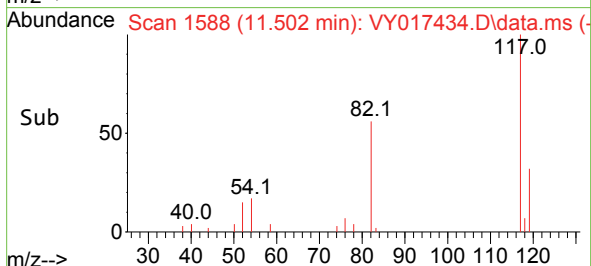
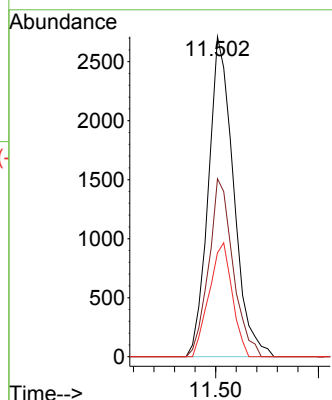
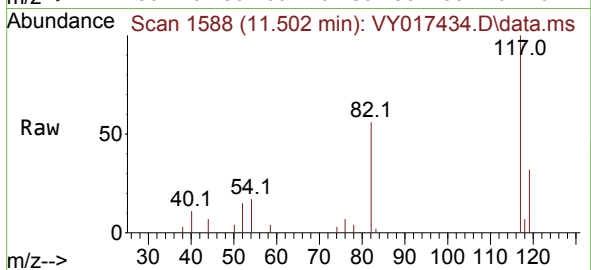
Tgt Ion:117 Resp: 4610

Ion Ratio Lower Upper

117 100

82 55.6 42.4 63.6

119 32.5 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: VY017434.D

Acq: 21 Feb 2024 13:44

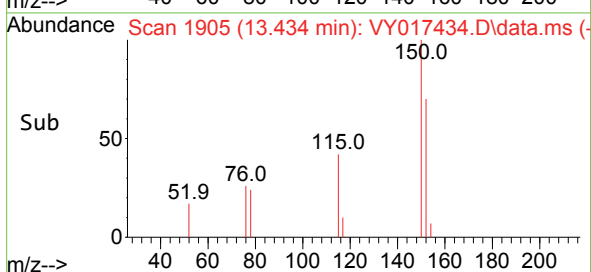
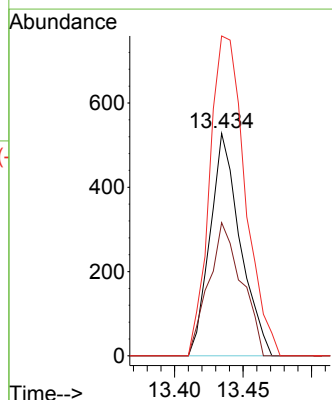
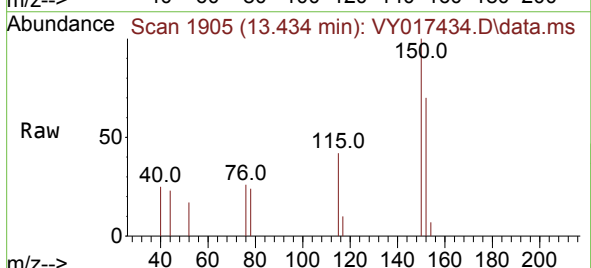
Tgt Ion:152 Resp: 807

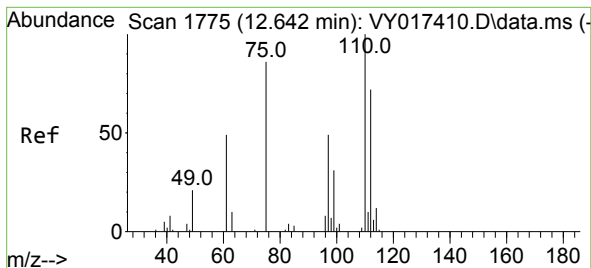
Ion Ratio Lower Upper

152 100

115 65.6 28.2 84.7

150 169.4 0.0 345.6

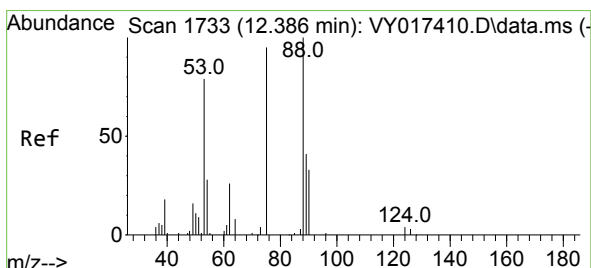
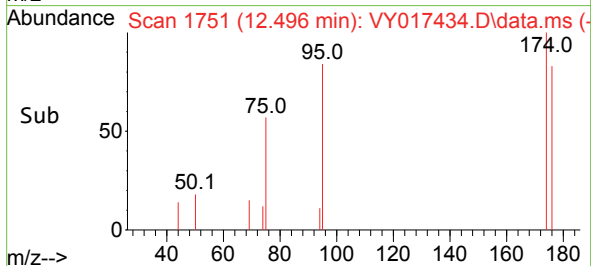
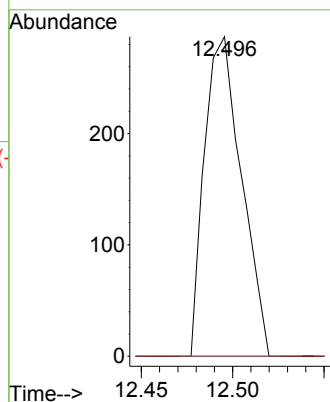
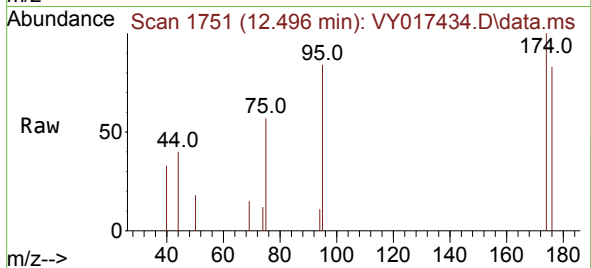




#76
1,2,3-Trichloropropane
Concen: 51.888 ug/l
RT: 12.496 min Scan# 1775
Delta R.T. -0.146 min
Lab File: VY017434.D
Acq: 21 Feb 2024 13:44

Instrument :
MSVOA_Y
ClientSampleId :
1

Tgt Ion: 75 Resp: 406
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 120.979 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY017434.D
Acq: 21 Feb 2024 13:44

Tgt Ion: 75 Resp: 406
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

