

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017438.D
 Acq On : 21 Feb 2024 15:18
 Operator : SY/MD
 Sample : P1537-05
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 5

Quant Time: Feb 22 03:26:37 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)

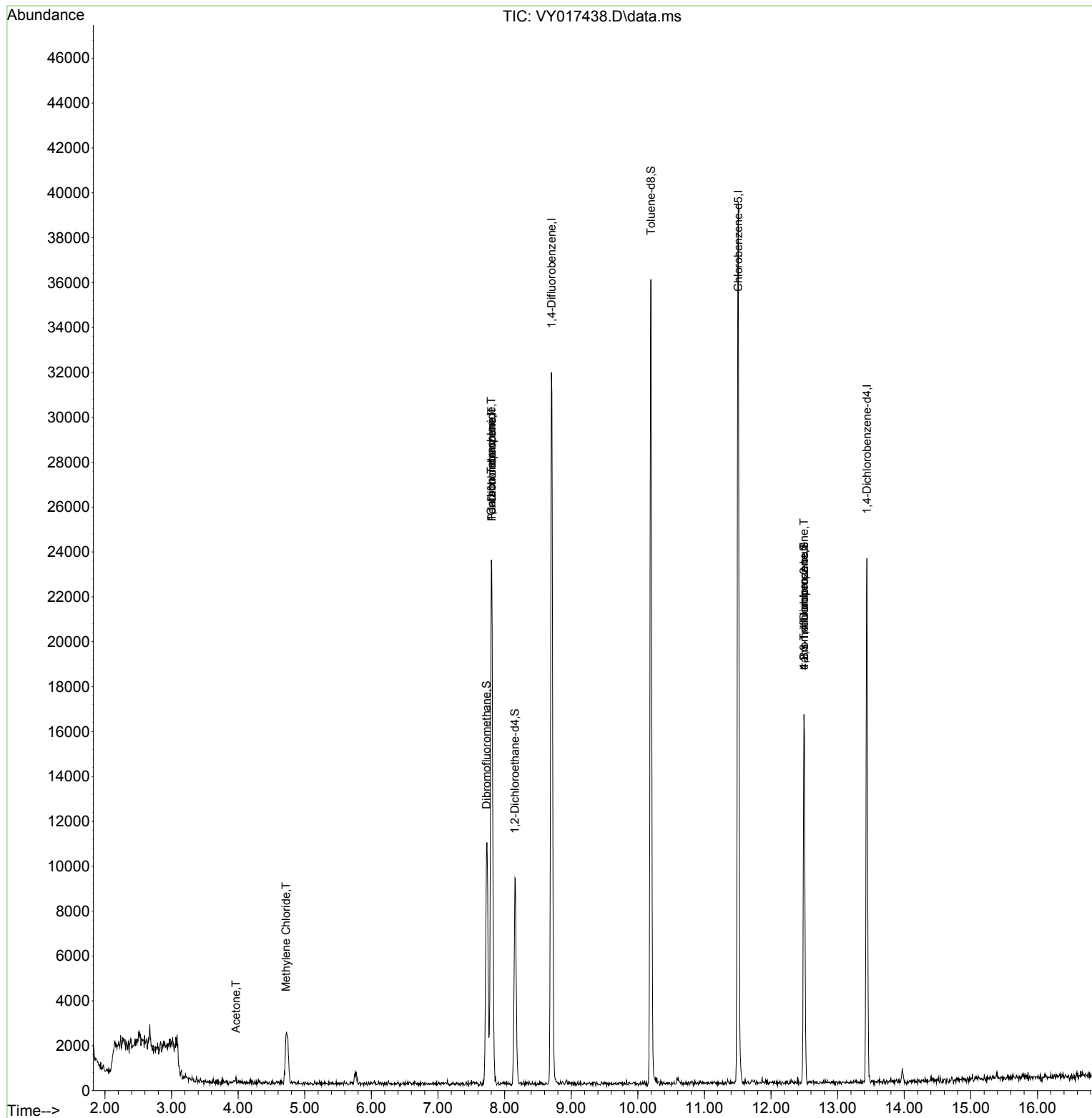
Internal Standards						
1) Pentafluorobenzene	7.807	168	20162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	30043	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	23788	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	6678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	7119	41.331	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.660%
35) Dibromofluoromethane	7.728	113	8254	46.935	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.860%
50) Toluene-d8	10.197	98	24489	35.905	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	71.820%
62) 4-Bromofluorobenzene	12.495	95	5005	22.970	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	45.940%
Target Compounds						
					Qvalue	
5) Bromomethane	2.674	94	293	Below Cal	#	73
16) Acetone	3.966	43	250	6.702	ug/l #	36
20) Methylene Chloride	4.716	84	2065	3.355	ug/l #	74
36) 1,1-Dichloropropene	7.807	75	1408	4.794	ug/l #	41
38) Carbon Tetrachloride	7.801	117	1902	6.504	ug/l #	13
76) 1,2,3-Trichloropropane	12.495	75	2560	39.537	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	2560	92.183	ug/l #	16

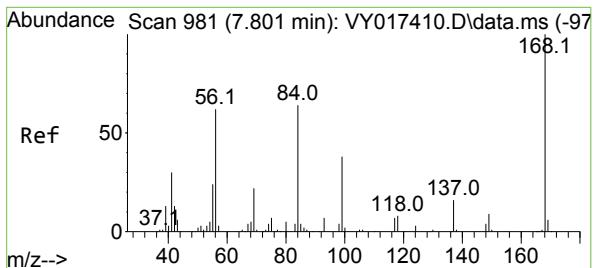
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.807 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY017438.D

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Instrument :

MSVOA_Y

ClientSampleId :

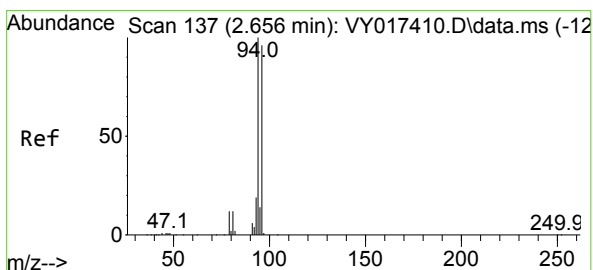
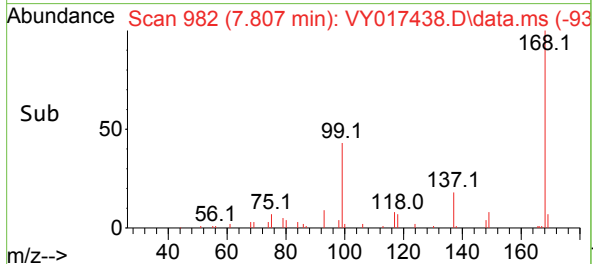
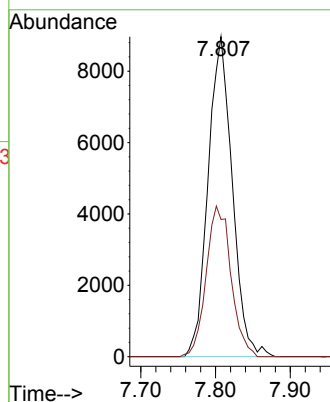
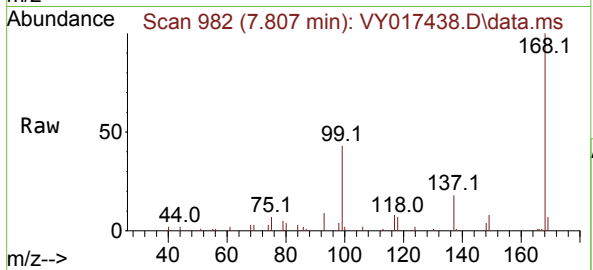
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Tgt Ion:168 Resp: 20162

Ion Ratio Lower Upper

168 100

99 42.9 39.1 58.7



#5

Bromomethane

Concen: Below Cal

RT: 2.674 min Scan# 140

Delta R.T. 0.018 min

Lab File: VY017438.D

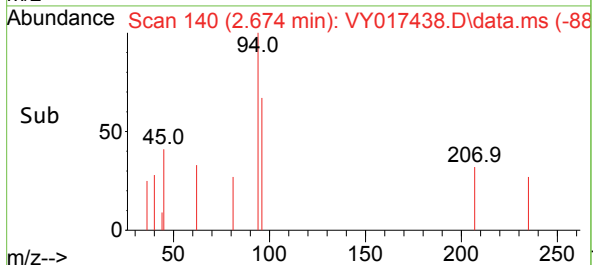
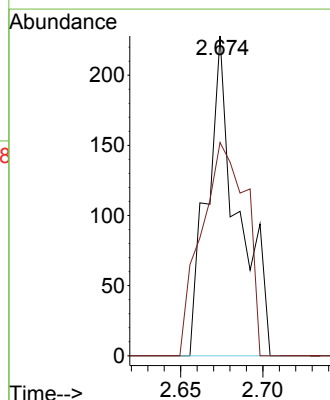
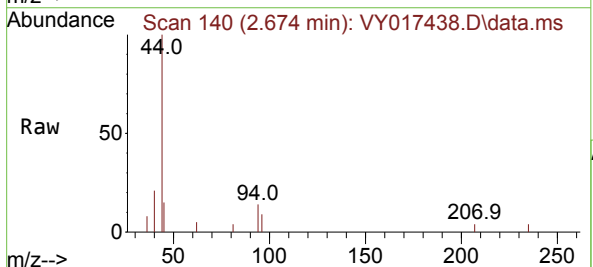
Acq: 21 Feb 2024 15:18

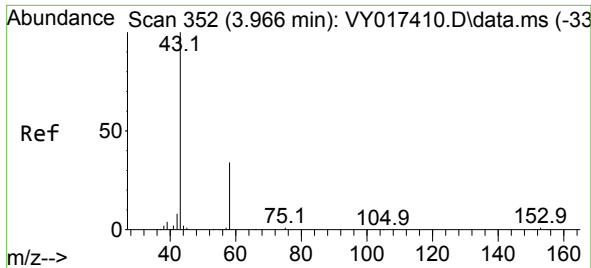
Tgt Ion: 94 Resp: 293

Ion Ratio Lower Upper

94 100

96 66.7 74.1 111.1#





#16

Acetone

Concen: 6.702 ug/l

RT: 3.966 min Scan# 31

Delta R.T. -0.000 min

Lab File: VY017438.D

Acq: 21 Feb 2024 15:18

Instrument :

MSVOA_Y

ClientSampleId :

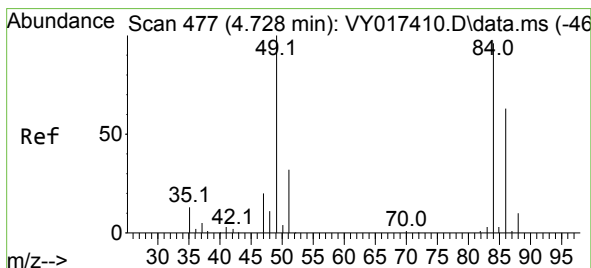
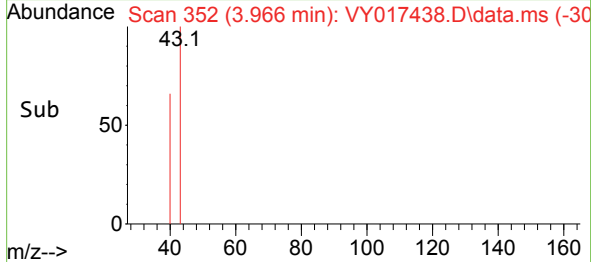
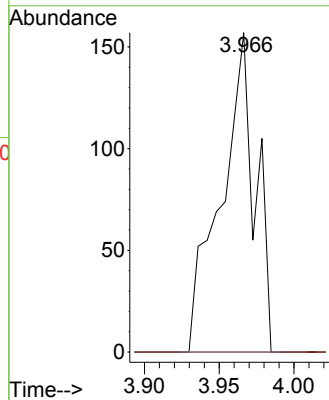
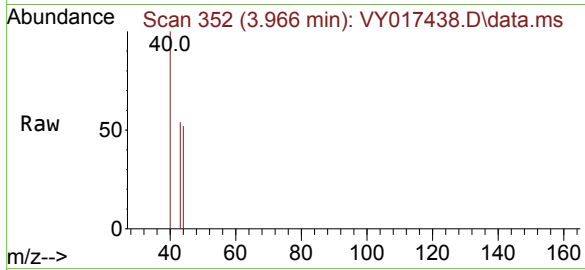
5

Tgt Ion: 43 Resp: 250

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: 3.355 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.012 min

Lab File: VY017438.D

Acq: 21 Feb 2024 15:18

Tgt Ion: 84 Resp: 2065

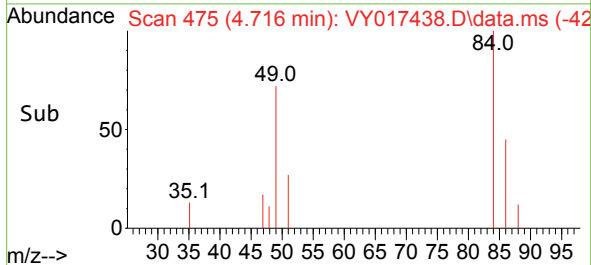
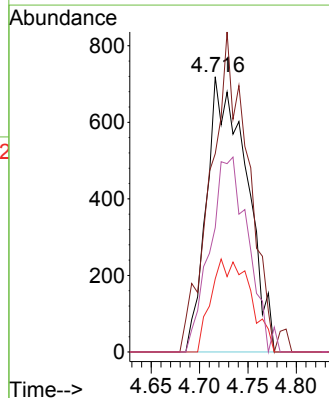
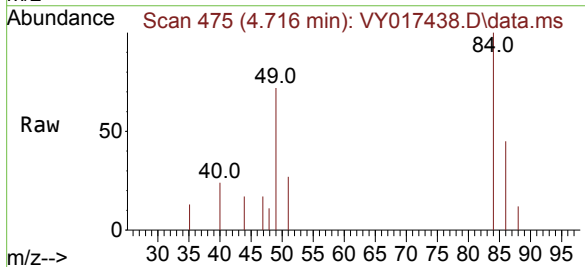
Ion Ratio Lower Upper

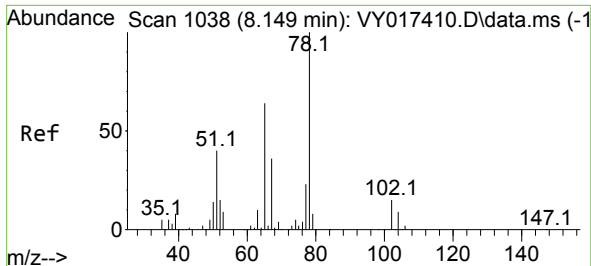
84 100

49 72.0 84.4 126.6#

51 26.6 26.0 39.0

86 45.2 49.5 74.3#





#33

1,2-Dichloroethane-d4

Concen: 41.331 ug/l

RT: 8.155 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017438.D

Acq: 21 Feb 2024 15:18

Instrument :

MSVOA_Y

ClientSampleId :

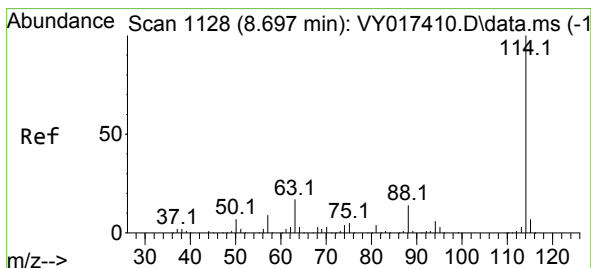
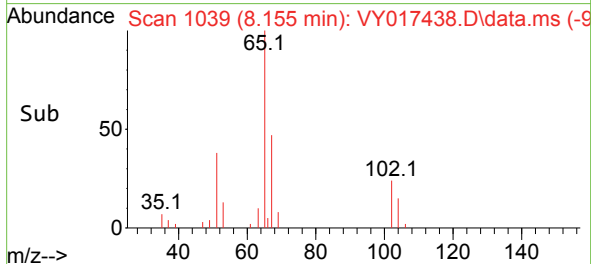
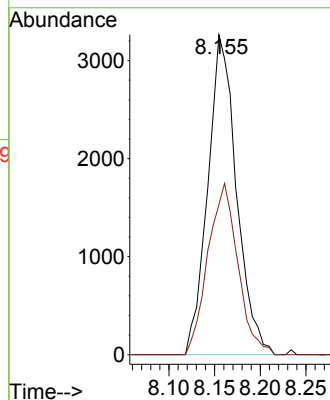
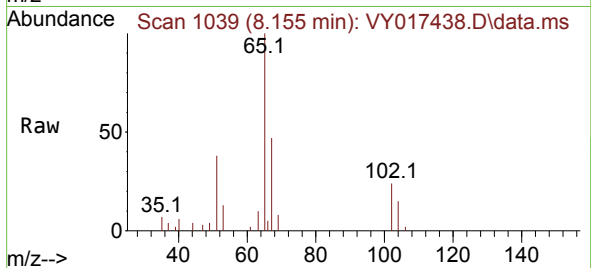
5

Tgt Ion: 65 Resp: 7119

Ion Ratio Lower Upper

65 100

67 55.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY017438.D

Acq: 21 Feb 2024 15:18

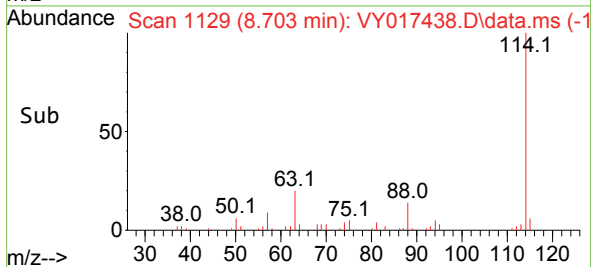
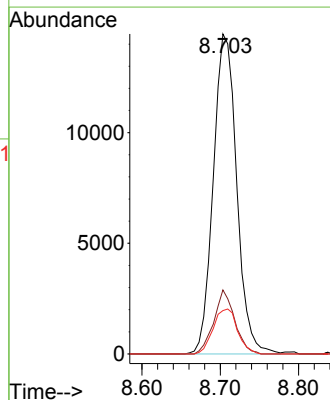
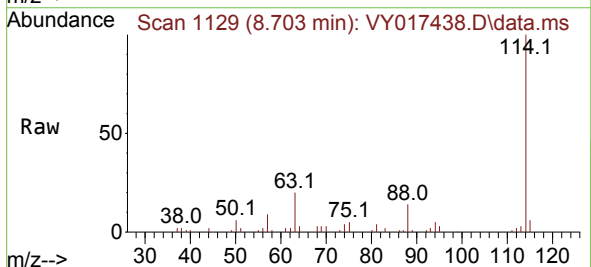
Tgt Ion: 114 Resp: 30043

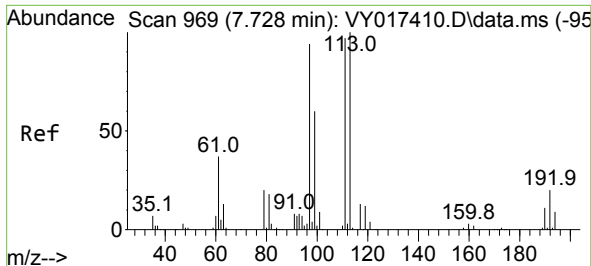
Ion Ratio Lower Upper

114 100

63 20.0 0.0 35.0

88 13.6 0.0 27.2

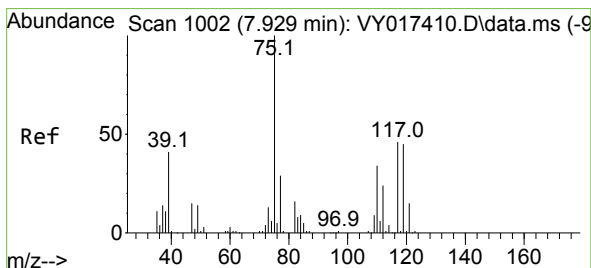
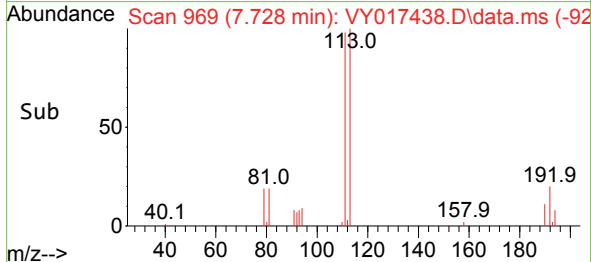
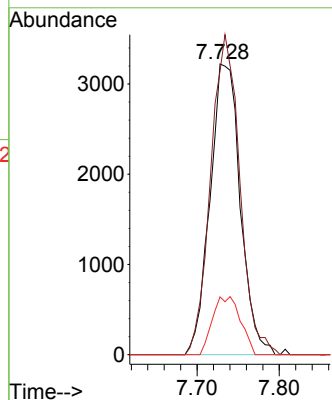
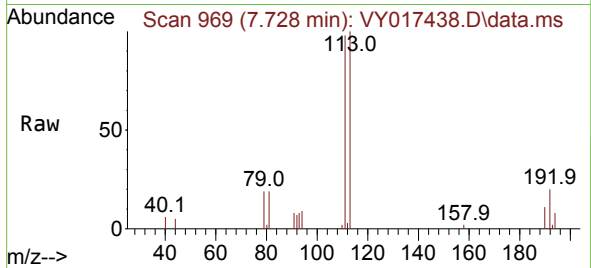




#35
Dibromofluoromethane
Concen: 46.935 ug/l
RT: 7.728 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY017438.D
Acq: 21 Feb 2024 15:18

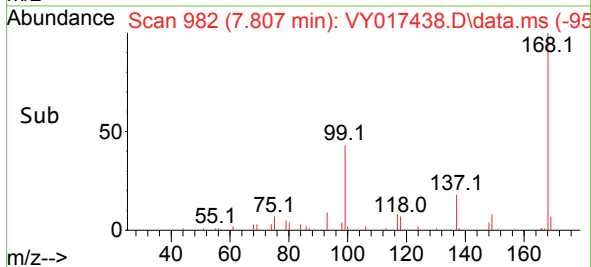
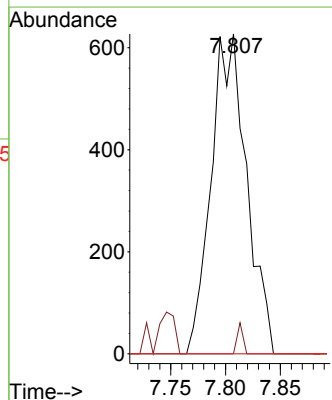
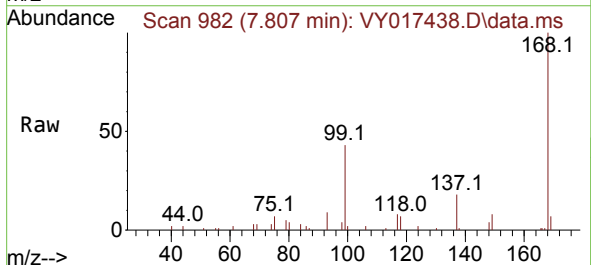
Instrument :
MSVOA_Y
ClientSampleId :
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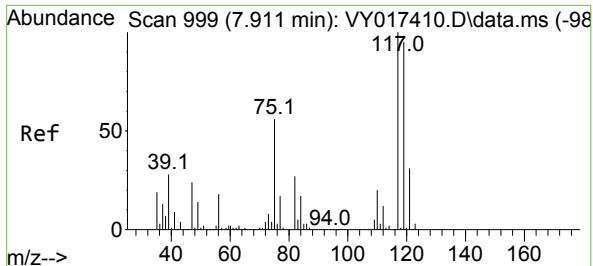
Tgt Ion:113 Resp: 8254
Ion Ratio Lower Upper
113 100
111 105.8 82.2 123.4
192 18.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.794 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY017438.D
Acq: 21 Feb 2024 15:18

Tgt Ion: 75 Resp: 1408
Ion Ratio Lower Upper
75 100
110 1.6 19.0 57.0#
77 0.0 25.3 37.9#

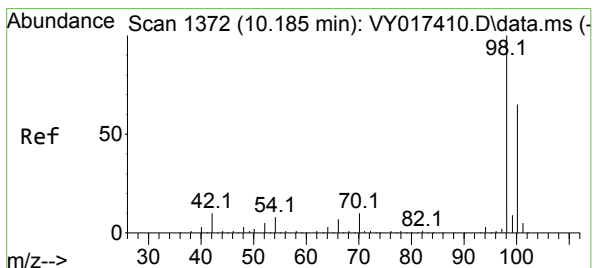
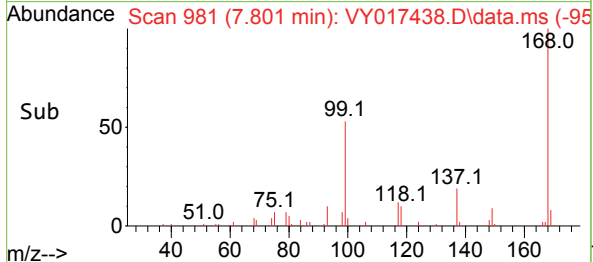
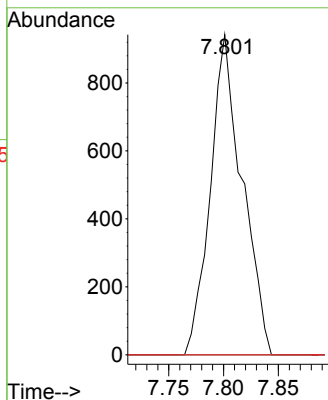
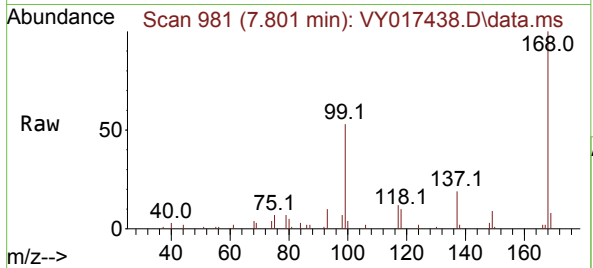




#38
Carbon Tetrachloride
Concen: 6.504 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY017438.D
Acq: 21 Feb 2024 15:18

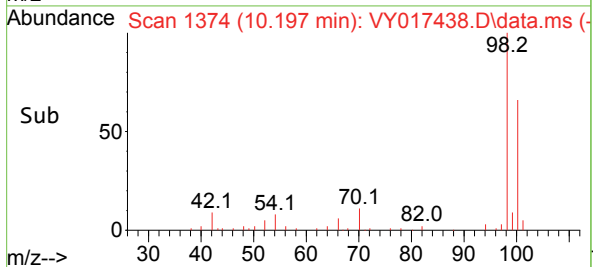
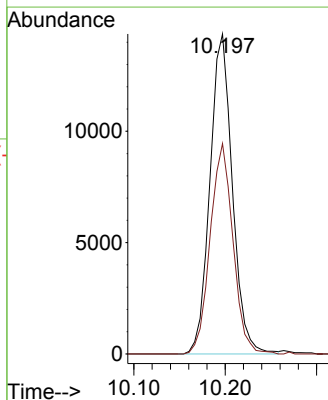
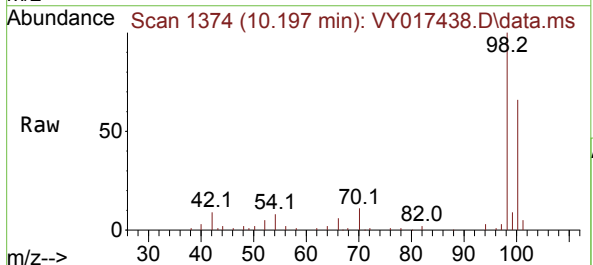
Instrument :
MSVOA_Y
ClientSampleId :
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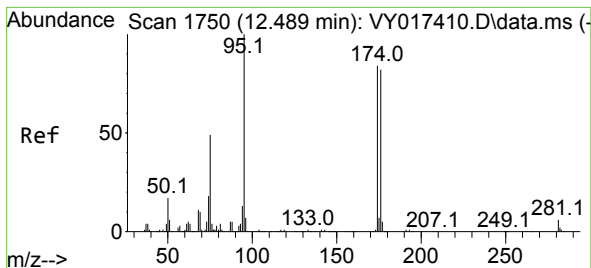
Tgt Ion:117 Resp: 1902
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 35.905 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.012 min
Lab File: VY017438.D
Acq: 21 Feb 2024 15:18

Tgt Ion: 98 Resp: 24489
Ion Ratio Lower Upper
98 100
100 66.8 52.0 78.0

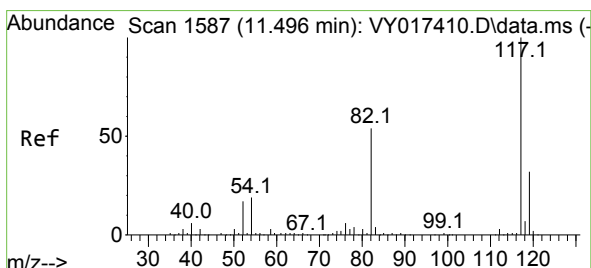
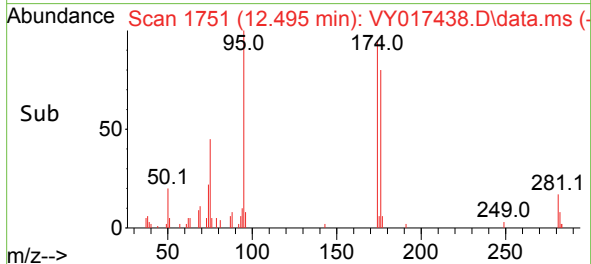
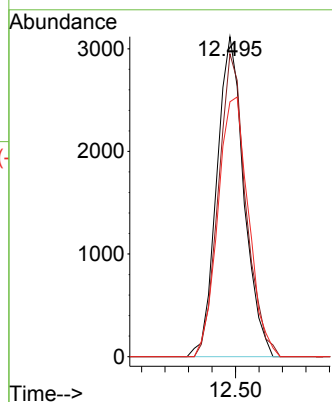
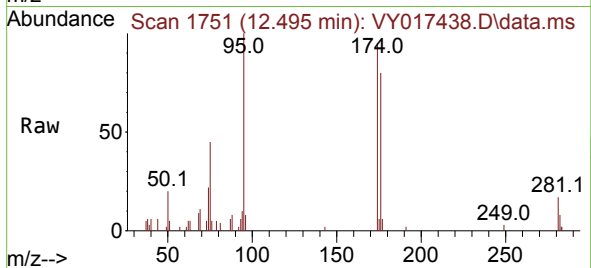




#62
4-Bromofluorobenzene
Concen: 22.970 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017438.D
Acq: 21 Feb 2024 15:18

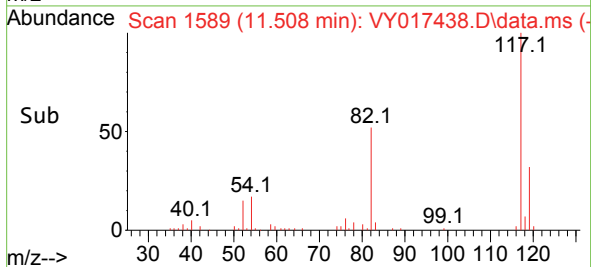
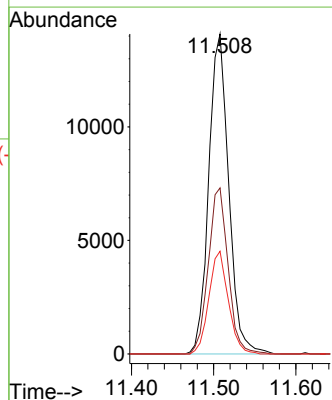
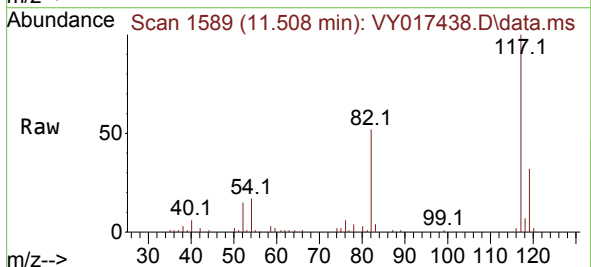
Instrument :
MSVOA_Y
ClientSampleId :
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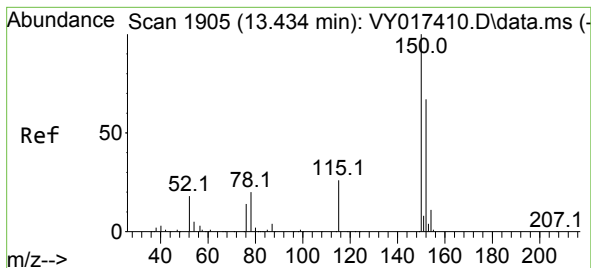
Tgt Ion:	95	Resp:	5005
Ion	Ratio	Lower	Upper
95	100		
174	95.6	0.0	175.6
176	91.3	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.012 min
Lab File: VY017438.D
Acq: 21 Feb 2024 15:18

Tgt Ion:	117	Resp:	23788
Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.4	63.6
119	32.1	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY017438.D

Acq: 21 Feb 2024 15:18

Instrument :

MSVOA_Y

ClientSampleId :

5

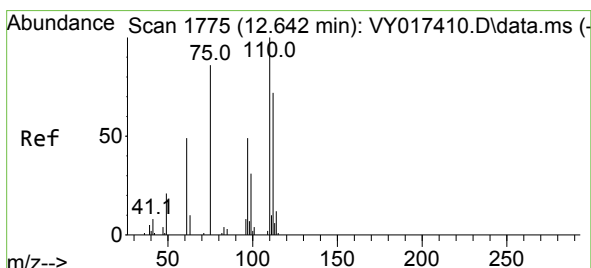
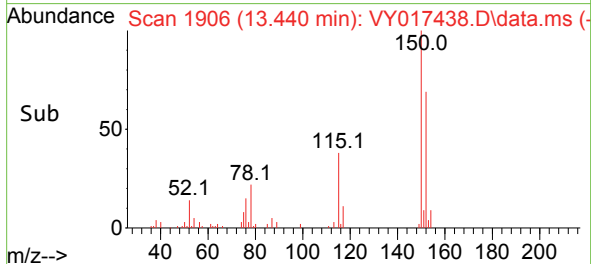
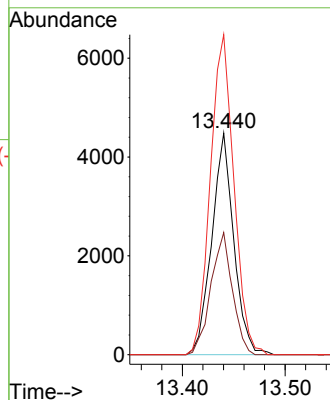
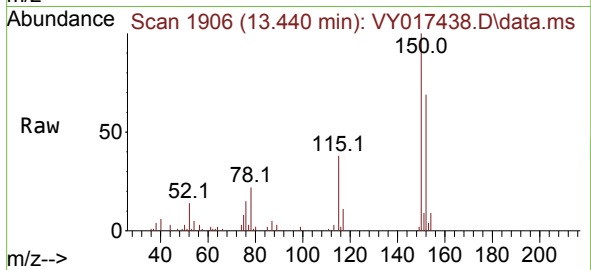
Tgt Ion:152 Resp: 6678

Ion Ratio Lower Upper

152 100

115 53.9 28.2 84.7

150 154.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 39.537 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY017438.D

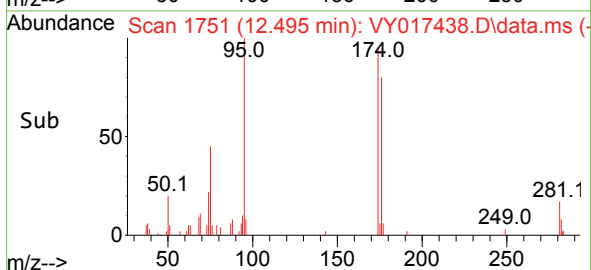
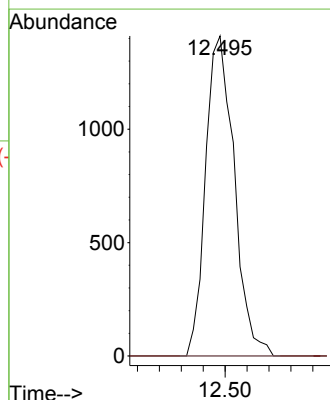
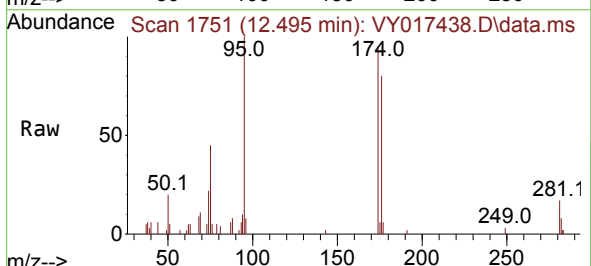
Acq: 21 Feb 2024 15:18

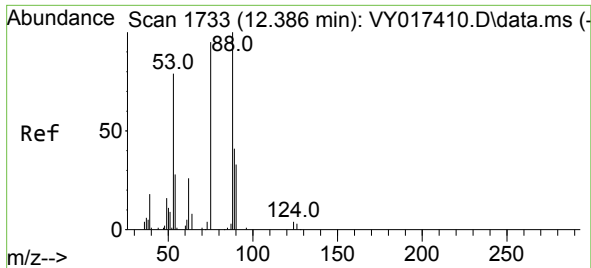
Tgt Ion: 75 Resp: 2560

Ion Ratio Lower Upper

75 100

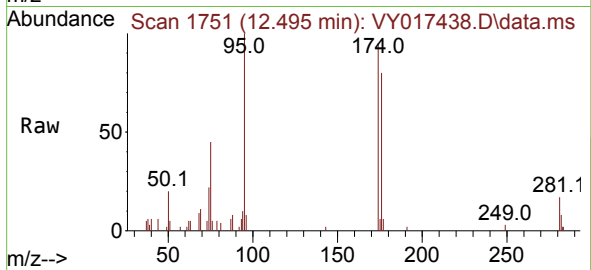
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.183 ug/l
 RT: 12.495 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY017438.D
 Acq: 21 Feb 2024 15:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 5



Tgt Ion:	75	Resp:	2560
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	35.8	53.6#

