

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041924\
 Data File : VY017998.D
 Acq On : 19 Apr 2024 14:58
 Operator : SY/MD
 Sample : P2189-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 YARD-2

Quant Time: Apr 19 23:25:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	27501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	32522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	21371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	5262	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	8105	34.06	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	68.12%
35) Dibromofluoromethane	7.716	113	10615	52.91	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.82%
50) Toluene-d8	10.185	98	32492	42.68	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.36%
62) 4-Bromofluorobenzene	12.483	95	5639	23.92	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	47.84%

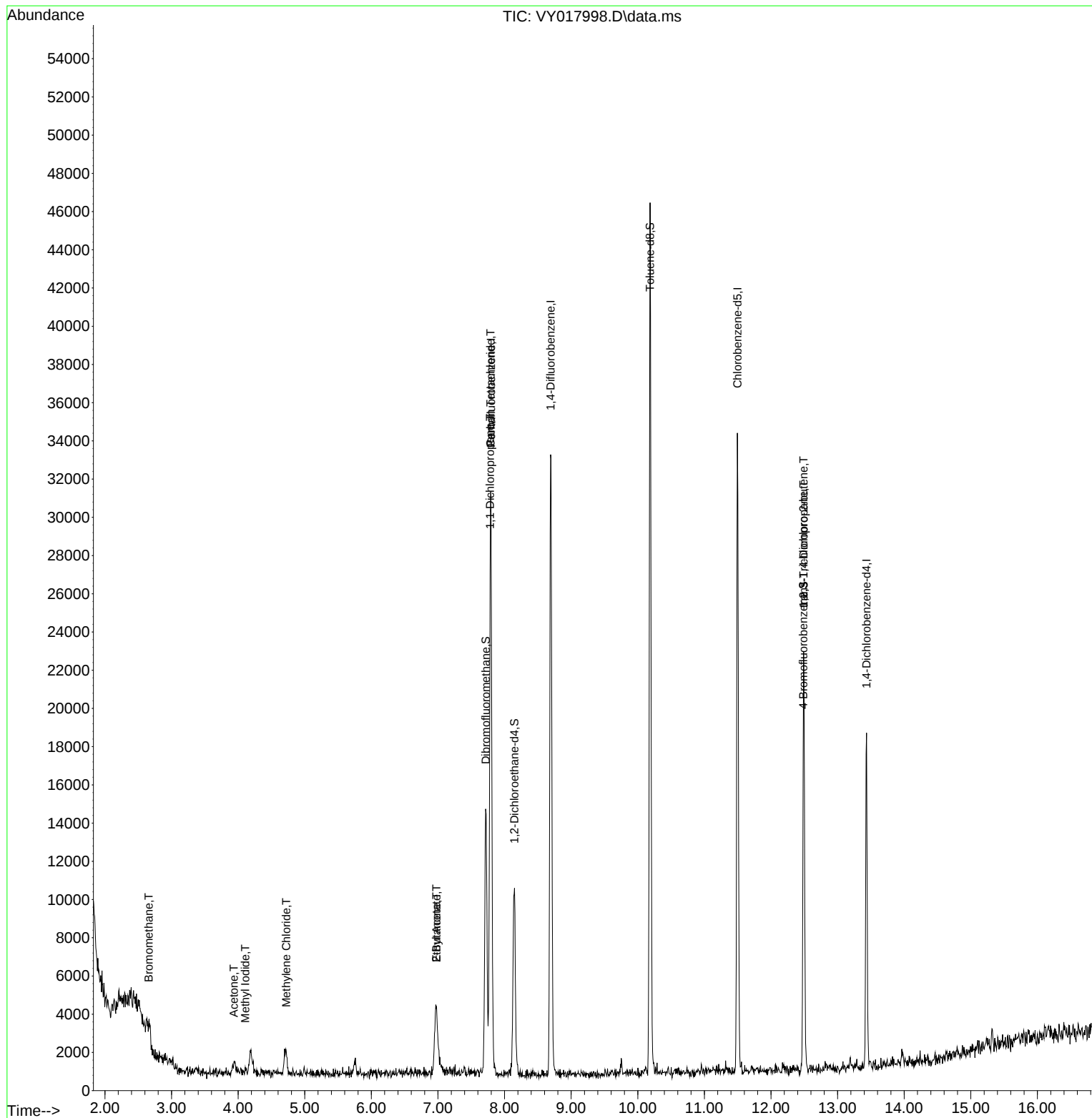
Target Compounds						Qvalue
5) Bromomethane	2.656	94	305	1.12	ug/l #	51
10) Methyl Iodide	4.107	142	586	1.54	ug/l #	52
16) Acetone	3.936	43	1184	25.18	ug/l #	67
20) Methylene Chloride	4.723	84	1246	3.91	ug/l #	77
25) 2-Butanone	6.978	43	210	3.04	ug/l #	41
36) 1,1-Dichloropropene	7.783	75	1850	6.34	ug/l #	44
37) Ethyl Acetate	6.978	43	210	1.75	ug/l #	67
38) Carbon Tetrachloride	7.789	117	2055	6.97	ug/l #	18
76) 1,2,3-Trichloropropane	12.489	75	2873	58.18	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	2873	119.97	ug/l #	16

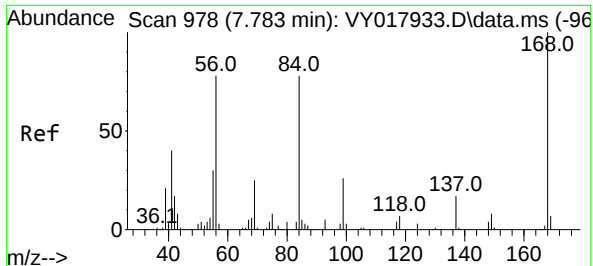
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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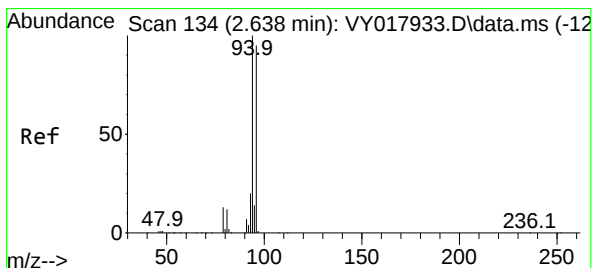
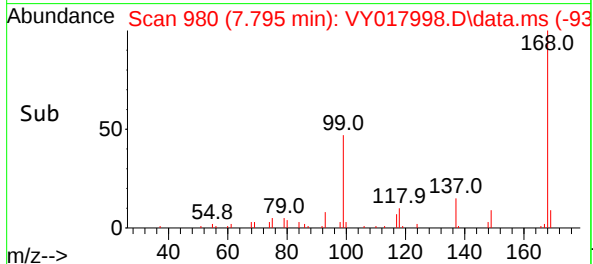
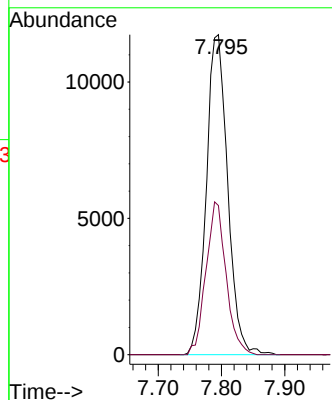
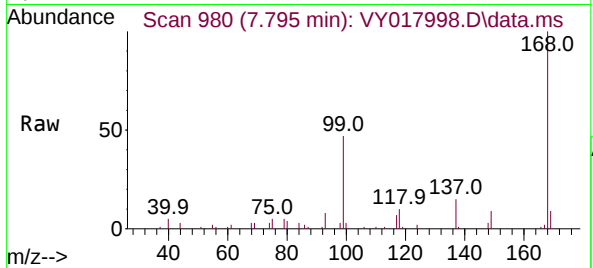




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017998.D
Acq: 19 Apr 2024 14:58

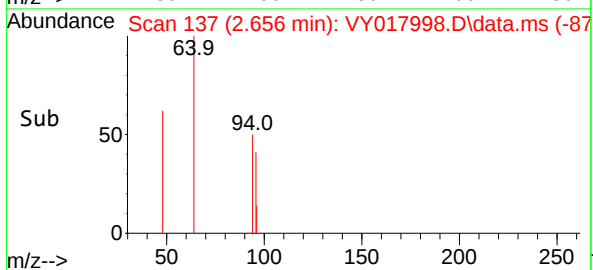
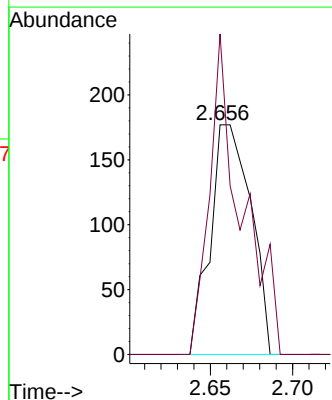
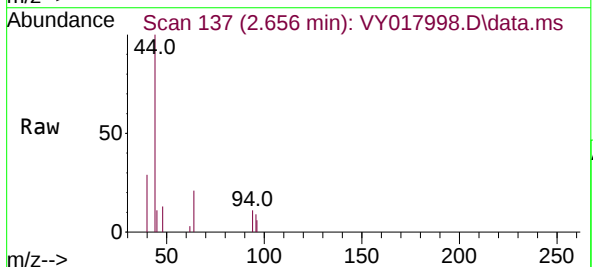
Instrument :
MSVOA_Y
ClientSampleId :
YARD-2

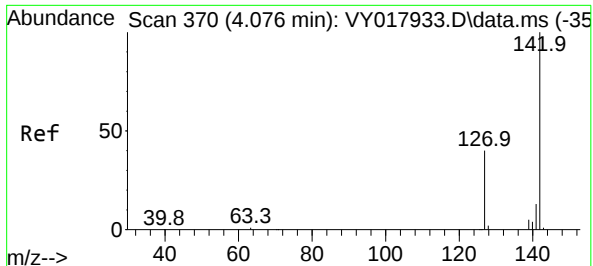
Tgt Ion:168 Resp: 27501
Ion Ratio Lower Upper
168 100
99 46.6 39.1 58.7



#5
Bromomethane
Concen: 1.12 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.006 min
Lab File: VY017998.D
Acq: 19 Apr 2024 14:58

Tgt Ion: 94 Resp: 305
Ion Ratio Lower Upper
94 100
96 139.5 74.1 111.1#

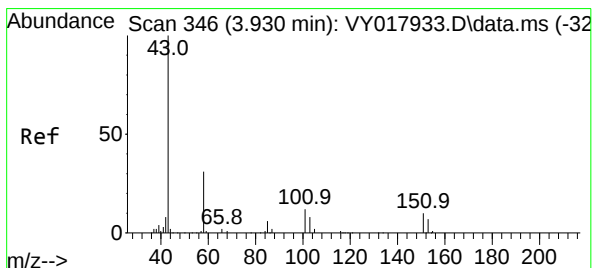
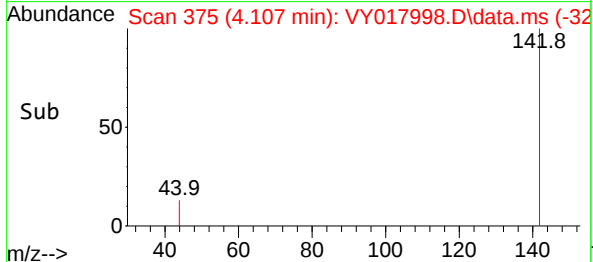
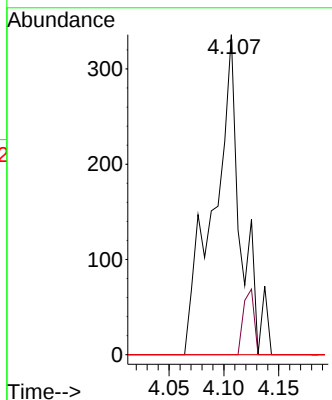
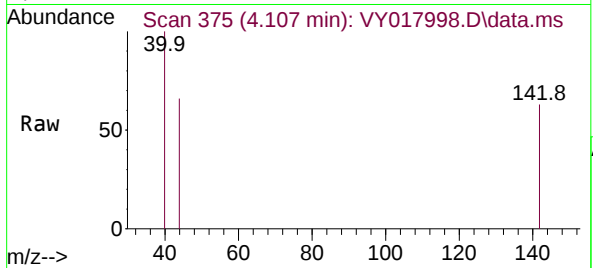




#10
Methyl Iodide
Concen: 1.54 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY017998.D
Acq: 19 Apr 2024 14:58

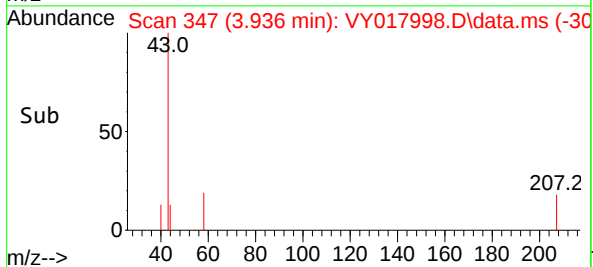
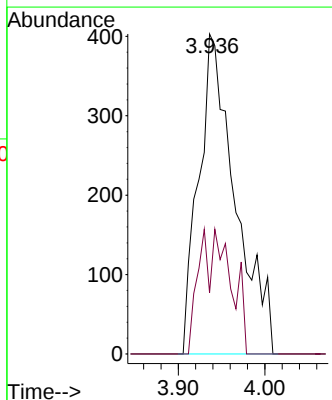
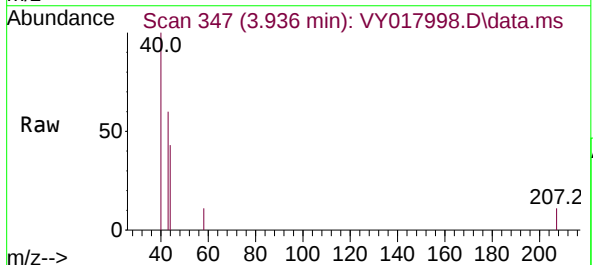
Instrument :
MSVOA_Y
ClientSampleId :
YARD-2

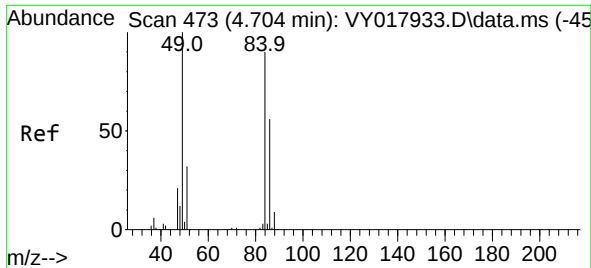
Tgt Ion:142 Resp: 586
Ion Ratio Lower Upper
142 100
127 7.8 32.8 49.2#
141 0.0 11.4 17.2#



#16
Acetone
Concen: 25.18 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY017998.D
Acq: 19 Apr 2024 14:58

Tgt Ion: 43 Resp: 1184
Ion Ratio Lower Upper
43 100
58 19.1 31.7 47.5#





#20

Methylene Chloride

Concen: 3.91 ug/l

RT: 4.723 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY017998.D

Acq: 19 Apr 2024 14:58

Instrument :

MSVOA_Y

ClientSampleId :

YARD-2

Tgt Ion: 84 Resp: 1246

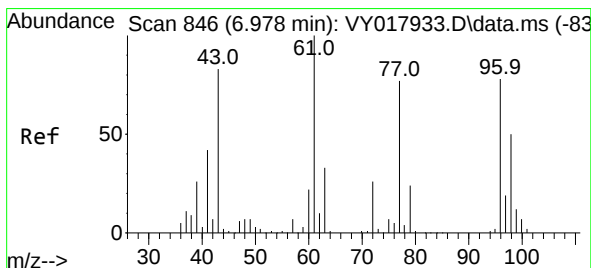
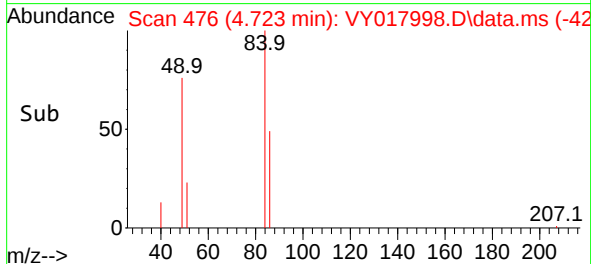
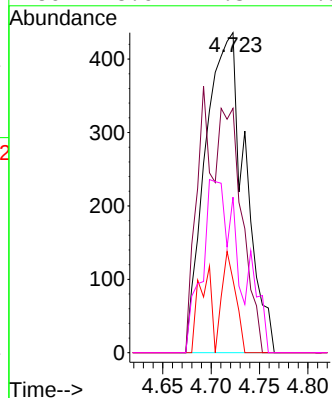
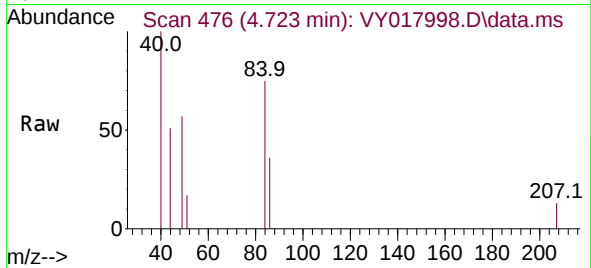
Ion Ratio Lower Upper

84 100

49 76.4 84.4 126.6#

51 22.7 26.0 39.0#

86 48.6 49.5 74.3#



#25

2-Butanone

Concen: 3.04 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY017998.D

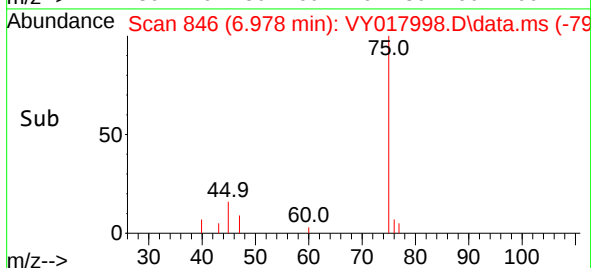
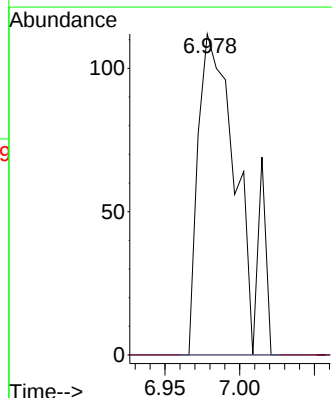
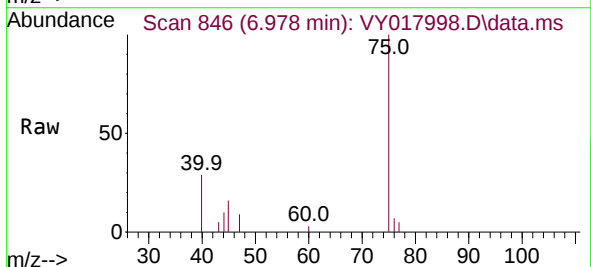
Acq: 19 Apr 2024 14:58

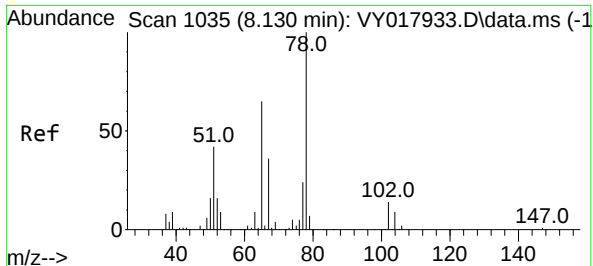
Tgt Ion: 43 Resp: 210

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#





#33

1,2-Dichloroethane-d4

Concen: 34.06 ug/l

RT: 8.149 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VY017998.D

Acq: 19 Apr 2024 14:58

Instrument :

MSVOA_Y

ClientSampleId :

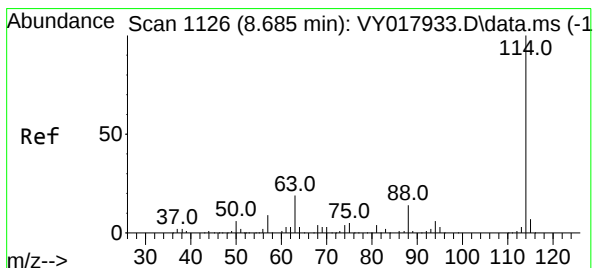
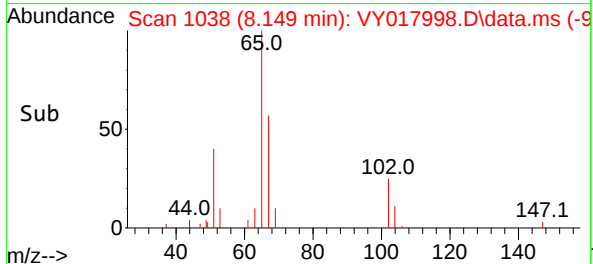
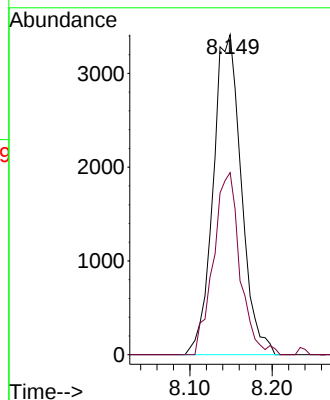
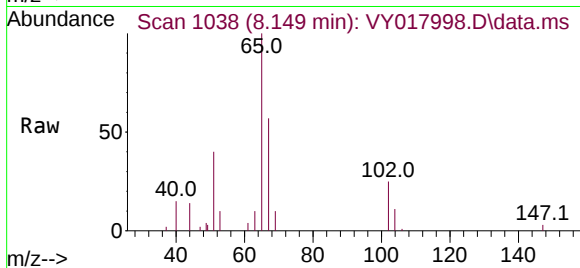
YARD-2

Tgt Ion: 65 Resp: 8105

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017998.D

Acq: 19 Apr 2024 14:58

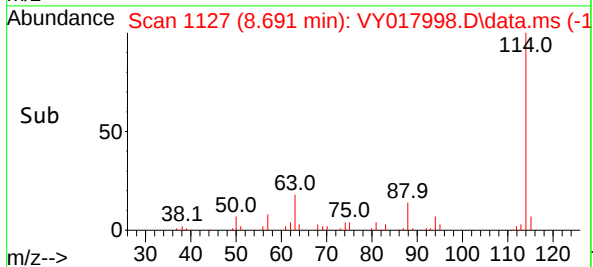
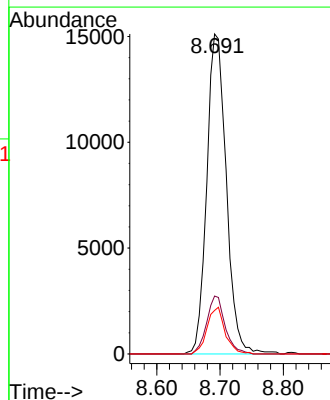
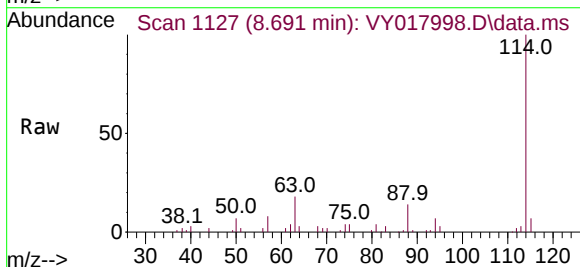
Tgt Ion:114 Resp: 32522

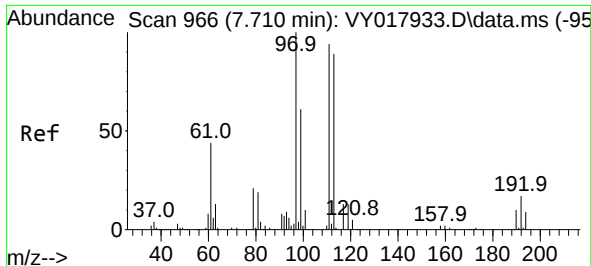
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

88 13.6 0.0 27.2

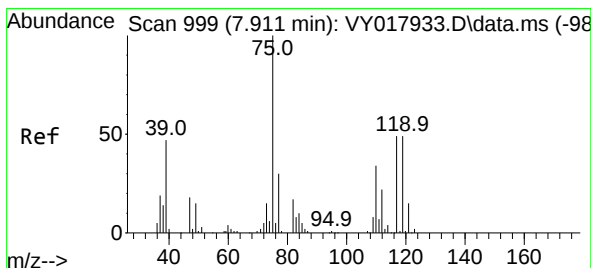
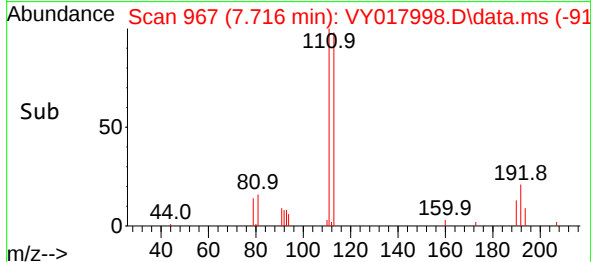
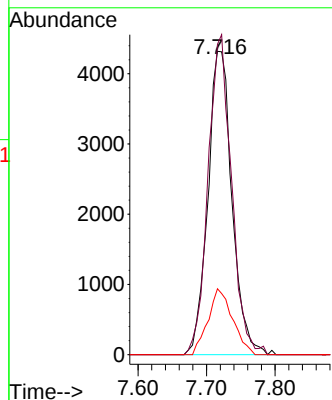
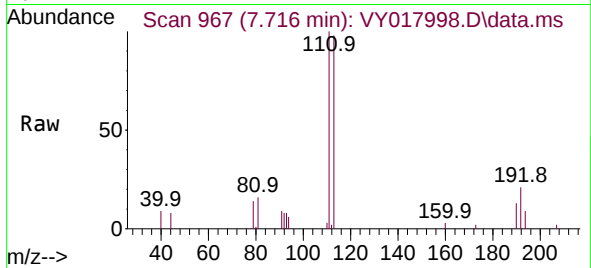




#35
Dibromofluoromethane
Concen: 52.91 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017998.D
Acq: 19 Apr 2024 14:58

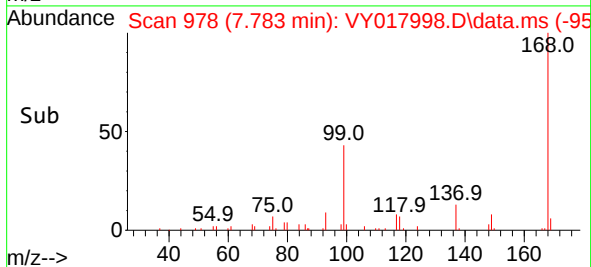
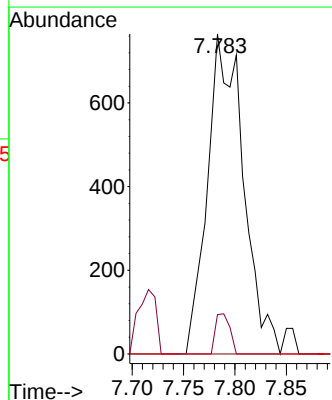
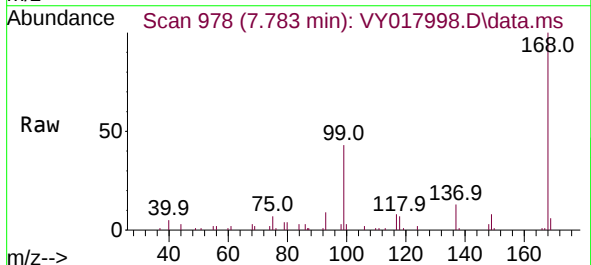
Instrument :
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YARD-2

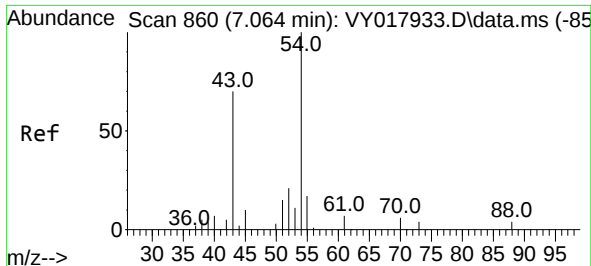
Tgt Ion:113 Resp: 10615
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.4
192 22.0 15.9 23.9



#36
1,1-Dichloropropene
Concen: 6.34 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY017998.D
Acq: 19 Apr 2024 14:58

Tgt Ion: 75 Resp: 1850
Ion Ratio Lower Upper
75 100
110 5.0 19.0 57.0#
77 0.0 25.3 37.9#

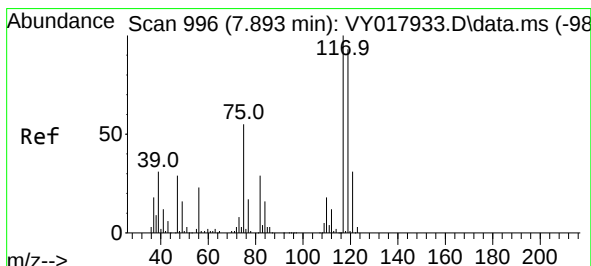
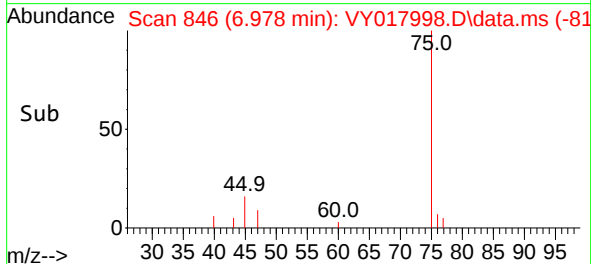
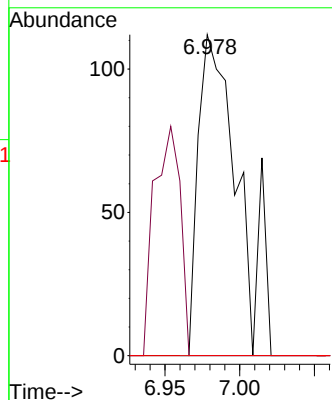
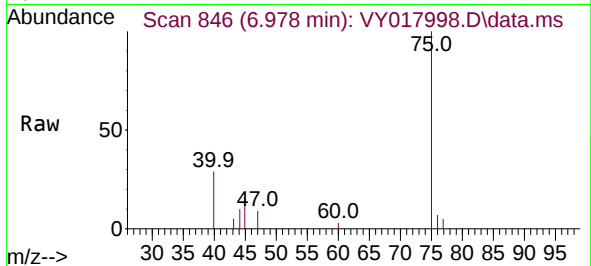




#37
Ethyl Acetate
Concen: 1.75 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.097 min
Lab File: VY017998.D
Acq: 19 Apr 2024 14:58

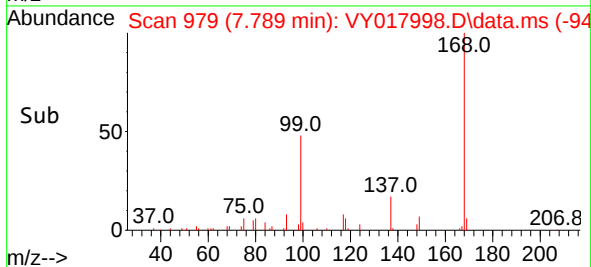
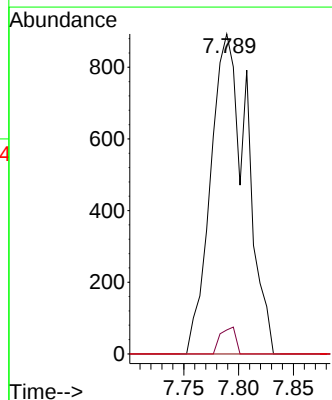
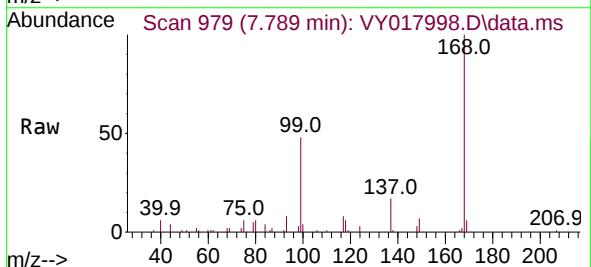
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ClientSampleId :
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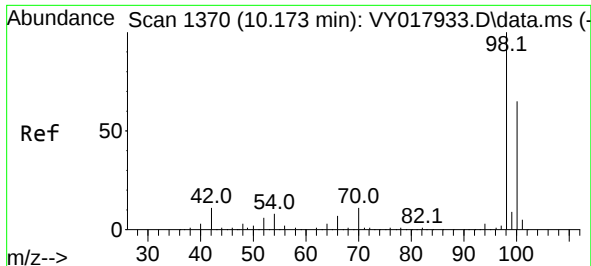
Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 6.97 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY017998.D
Acq: 19 Apr 2024 14:58

Tgt Ion: 117 Resp: 2055
Ion Ratio Lower Upper
117 100
119 7.5 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 42.68 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017998.D

Acq: 19 Apr 2024 14:58

Instrument :

MSVOA_Y

ClientSampleId :

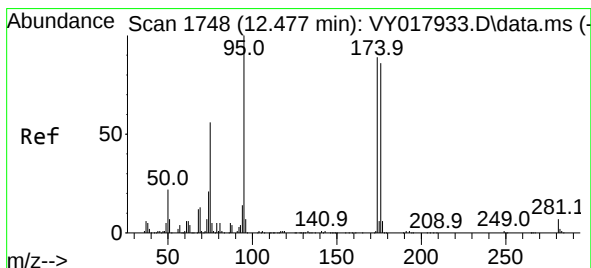
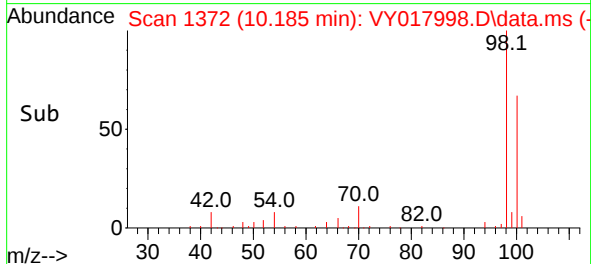
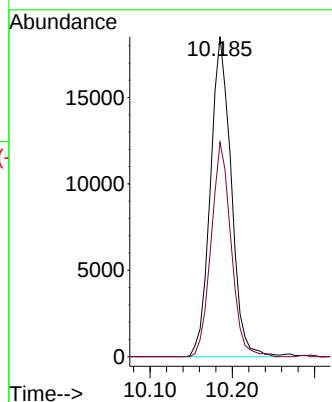
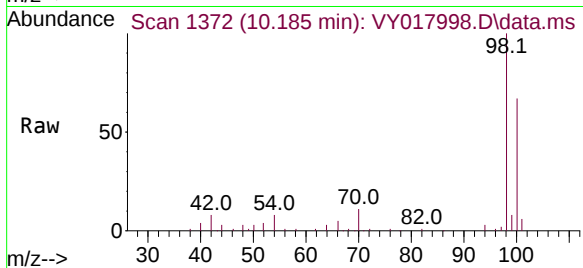
YARD-2

Tgt Ion: 98 Resp: 32492

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 23.92 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY017998.D

Acq: 19 Apr 2024 14:58

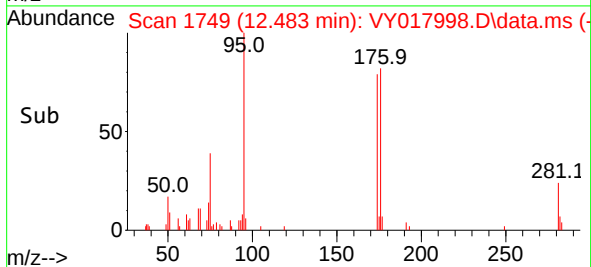
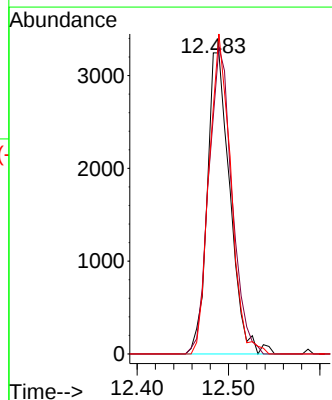
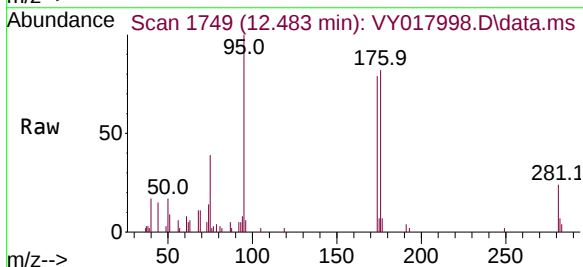
Tgt Ion: 95 Resp: 5639

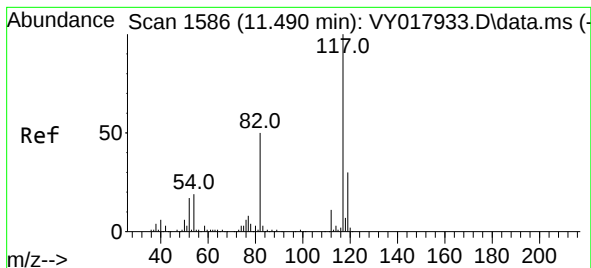
Ion Ratio Lower Upper

95 100

174 103.6 0.0 175.6

176 100.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017998.D

Acq: 19 Apr 2024 14:58

Instrument :

MSVOA_Y

ClientSampleId :

YARD-2

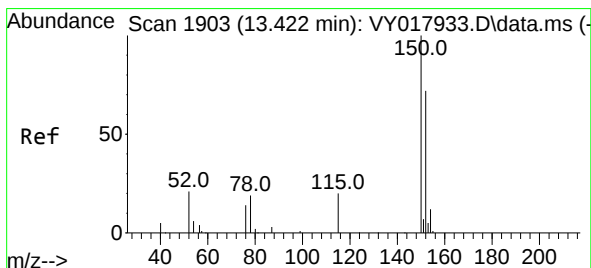
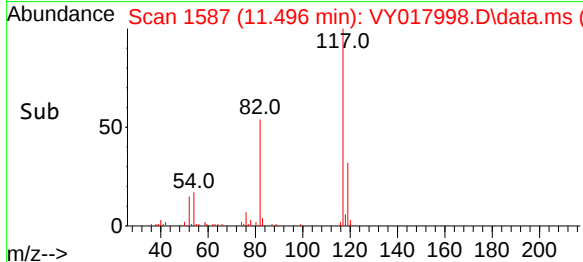
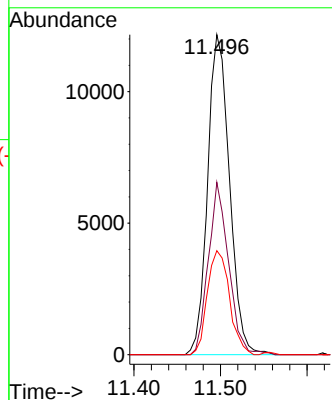
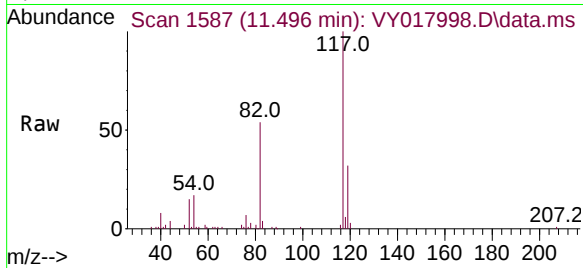
Tgt Ion:117 Resp: 21371

Ion Ratio Lower Upper

117 100

82 53.9 42.4 63.6

119 32.5 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY017998.D

Acq: 19 Apr 2024 14:58

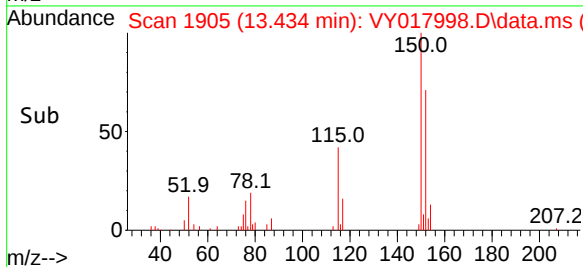
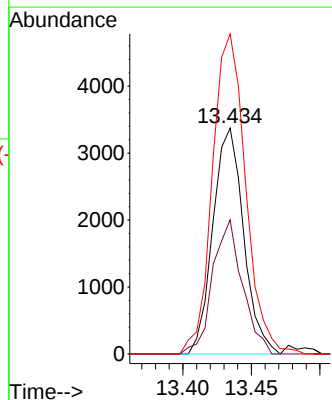
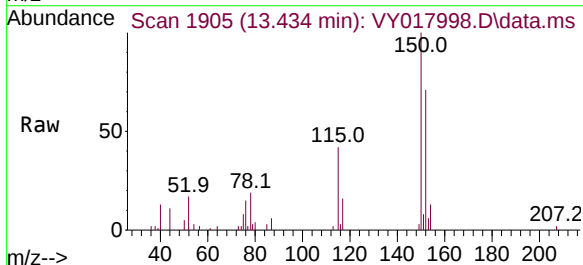
Tgt Ion:152 Resp: 5262

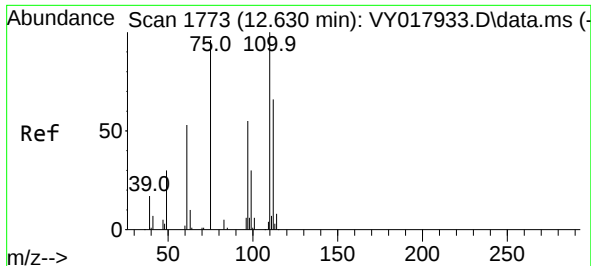
Ion Ratio Lower Upper

152 100

115 57.6 28.2 84.7

150 153.3 0.0 345.6

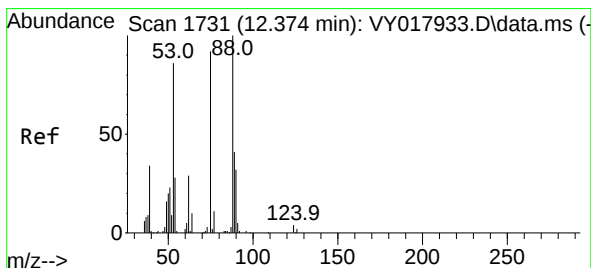
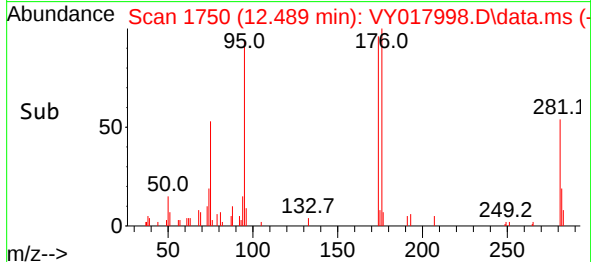
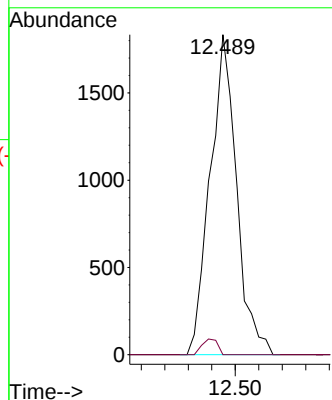
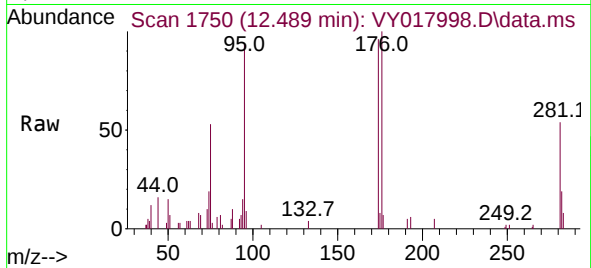




#76
1,2,3-Trichloropropane
Concen: 58.18 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY017998.D
Acq: 19 Apr 2024 14:58

Instrument :
MSVOA_Y
ClientSampleId :
YARD-2

Tgt Ion: 75 Resp: 2873
Ion Ratio Lower Upper
75 100
77 2.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.97 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY017998.D
Acq: 19 Apr 2024 14:58

Tgt Ion: 75 Resp: 2873
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

