

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041924\
 Data File : VY018001.D
 Acq On : 19 Apr 2024 16:10
 Operator : SY/MD
 Sample : P2188-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 222177

Quant Time: Apr 19 23:26:10 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)

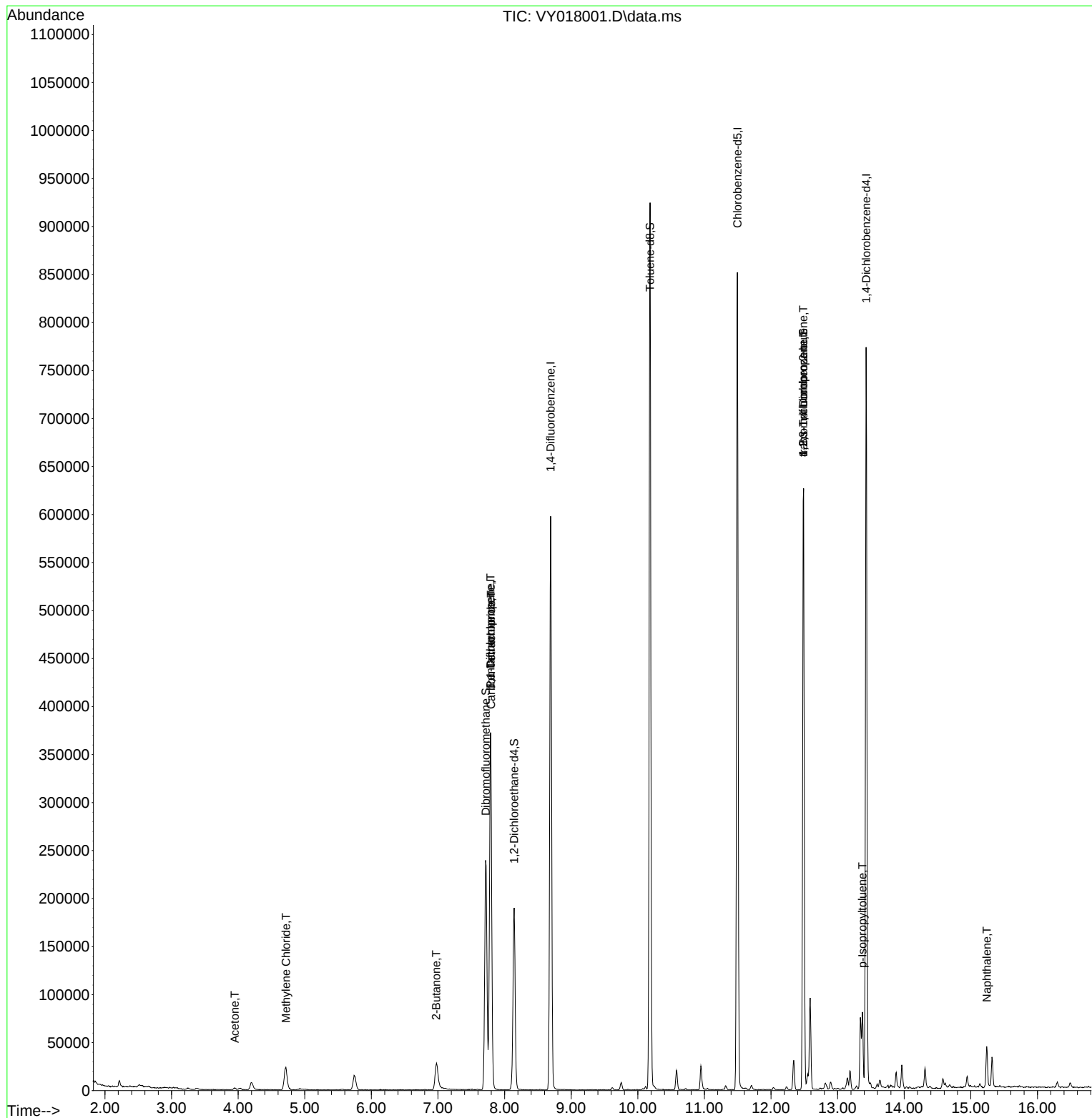
Internal Standards						
1) Pentafluorobenzene	7.789	168	322596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	550986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	506786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	213710	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	141383	50.64	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.28%
35) Dibromofluoromethane	7.716	113	174298	51.28	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.56%
50) Toluene-d8	10.185	98	632615	49.05	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.10%
62) 4-Bromofluorobenzene	12.483	95	183313	45.89	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.78%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	1347	Below Cal	#	88
16) Acetone	3.948	43	3406	6.17	ug/l #	85
20) Methylene Chloride	4.716	84	19211	5.14	ug/l	100
25) 2-Butanone	6.972	43	1577	1.95	ug/l #	58
36) 1,1-Dichloropropene	7.789	75	20368	4.12	ug/l #	48
38) Carbon Tetrachloride	7.795	117	27685	5.54	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	87759	43.76	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	87759	90.23	ug/l #	16
86) p-Isopropyltoluene	13.373	119	45330	3.26	ug/l #	86
95) Naphthalene	15.239	128	37571	6.07	ug/l	100

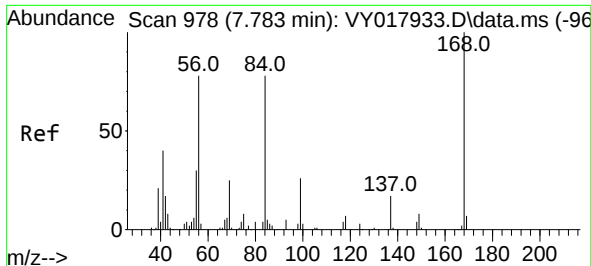
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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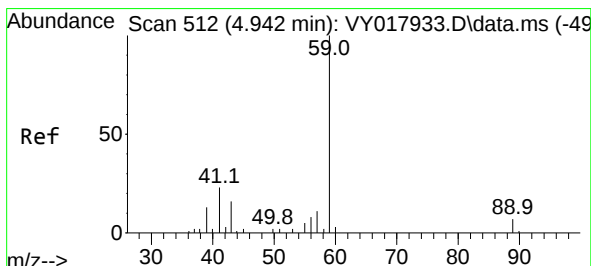
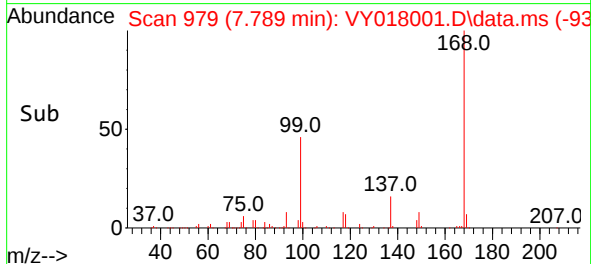
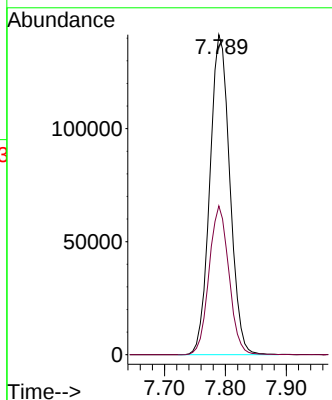
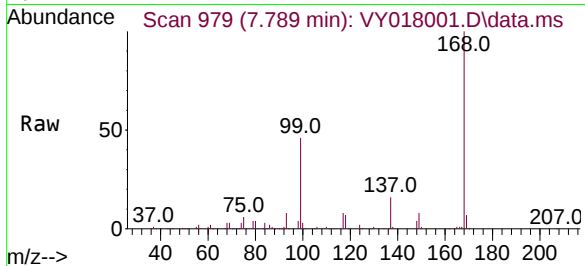




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018001.D
Acq: 19 Apr 2024 16:10

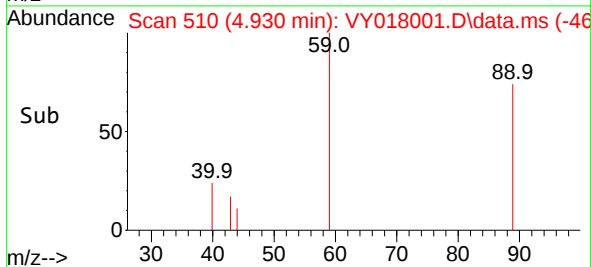
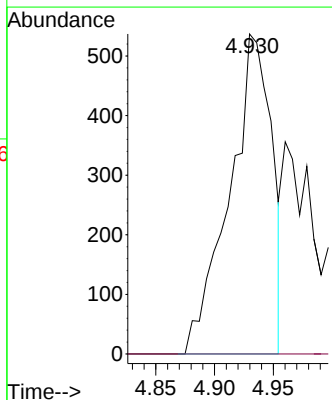
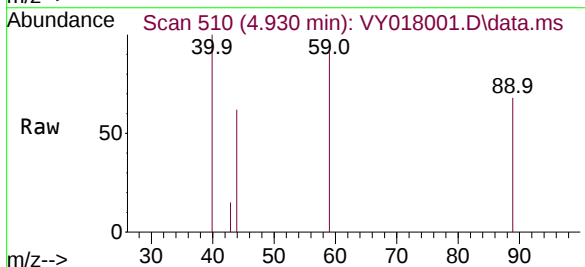
Instrument :
MSVOA_Y
ClientSampleId :
222177

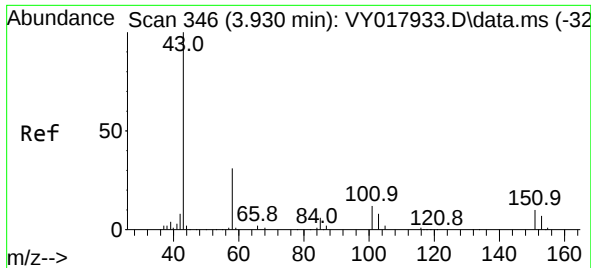
Tgt Ion:168 Resp: 322596
Ion Ratio Lower Upper
168 100
99 46.5 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY018001.D
Acq: 19 Apr 2024 16:10

Tgt Ion: 59 Resp: 1347
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 6.17 ug/l

RT: 3.948 min Scan# 346

Delta R.T. 0.000 min

Lab File: VY018001.D

Acq: 19 Apr 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

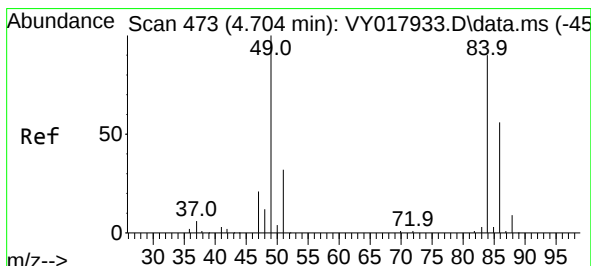
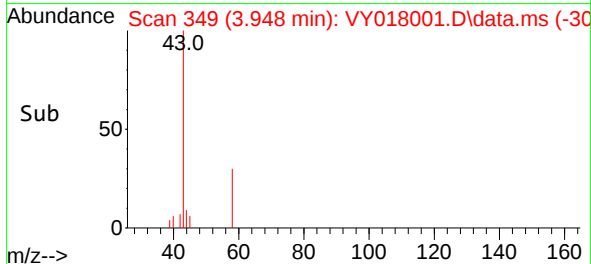
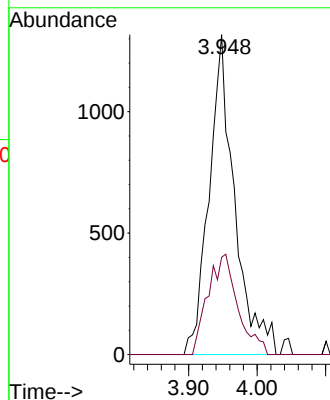
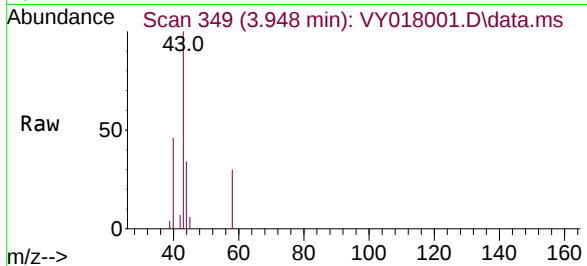
222177

Tgt Ion: 43 Resp: 3406

Ion Ratio Lower Upper

43 100

58 30.4 31.7 47.5#



#20

Methylene Chloride

Concen: 5.14 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY018001.D

Acq: 19 Apr 2024 16:10

Tgt Ion: 84 Resp: 19211

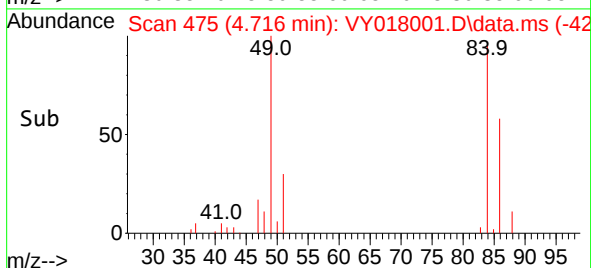
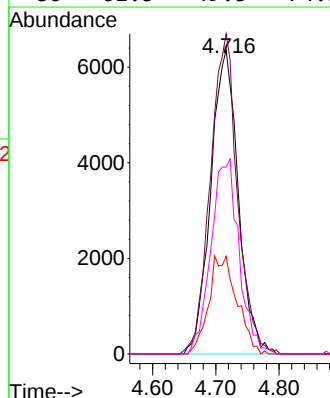
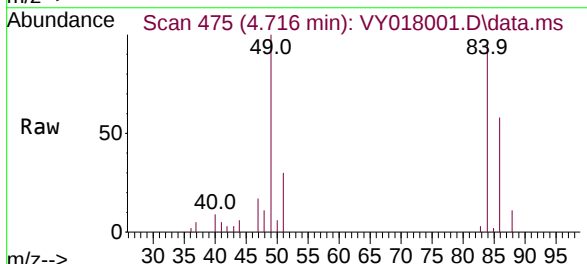
Ion Ratio Lower Upper

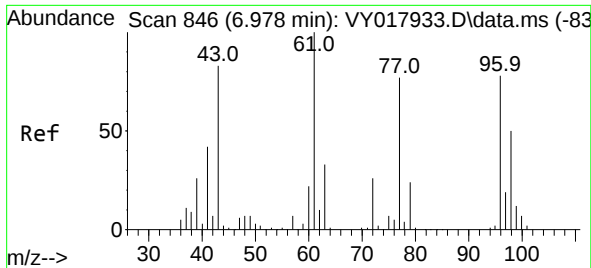
84 100

49 105.3 84.4 126.6

51 32.1 26.0 39.0

86 61.5 49.5 74.3

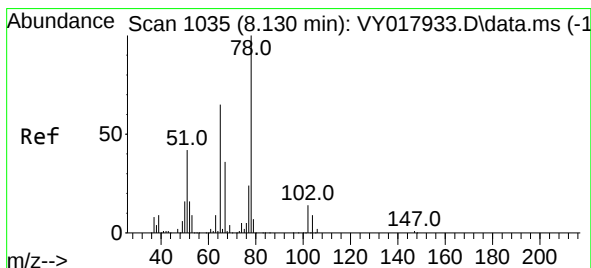
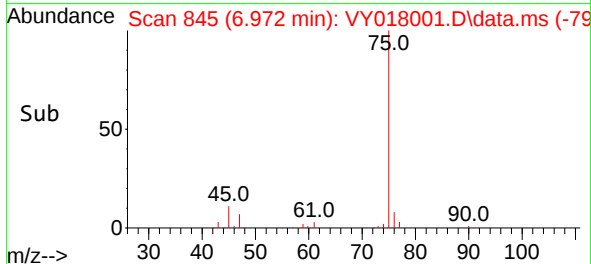
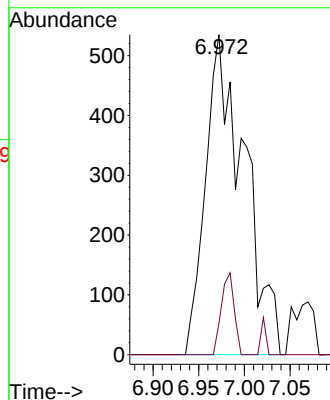
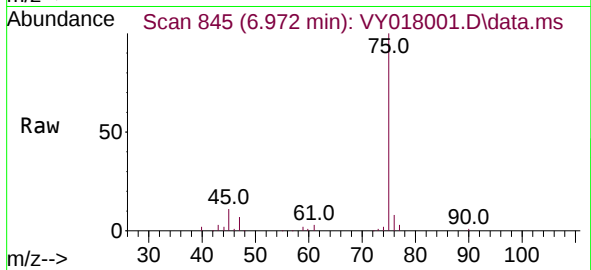




#25
2-Butanone
Concen: 1.95 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY018001.D
Acq: 19 Apr 2024 16:10

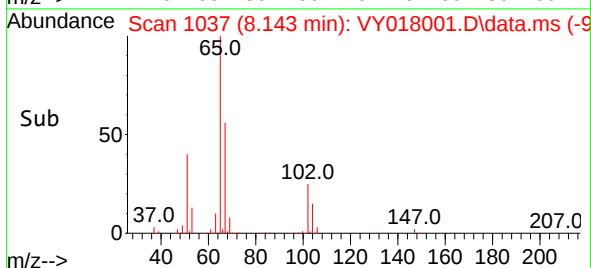
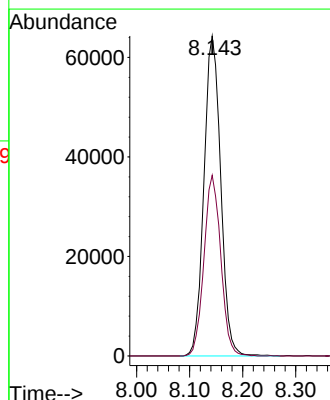
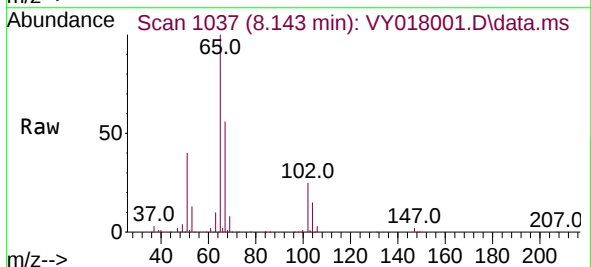
Instrument :
MSVOA_Y
ClientSampleId :
222177

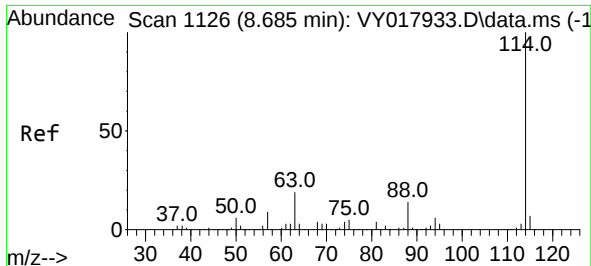
Tgt Ion: 43 Resp: 1577
Ion Ratio Lower Upper
43 100
72 9.7 27.3 40.9#



#33
1,2-Dichloroethane-d4
Concen: 50.64 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY018001.D
Acq: 19 Apr 2024 16:10

Tgt Ion: 65 Resp: 141383
Ion Ratio Lower Upper
65 100
67 56.5 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: VY018001.D

Acq: 19 Apr 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

222177

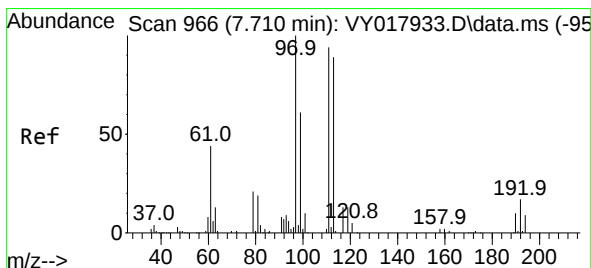
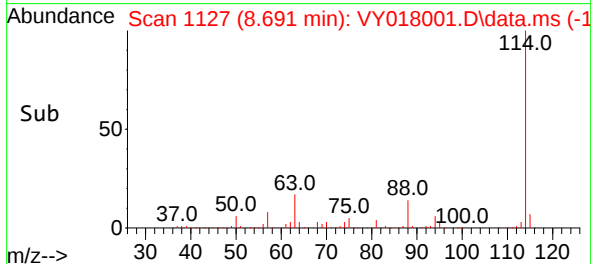
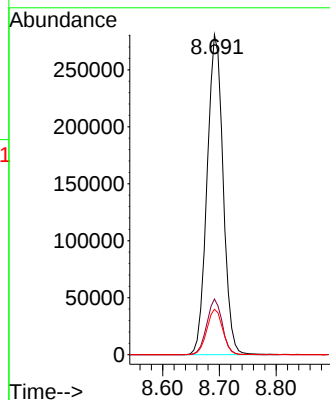
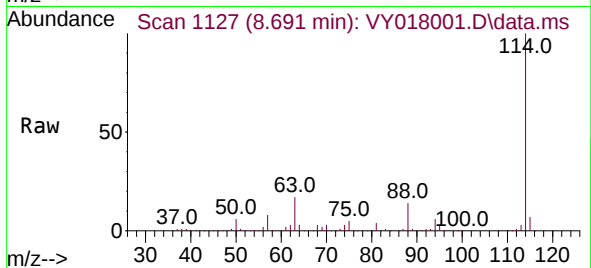
Tgt Ion:114 Resp: 550986

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

88 14.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.28 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY018001.D

Acq: 19 Apr 2024 16:10

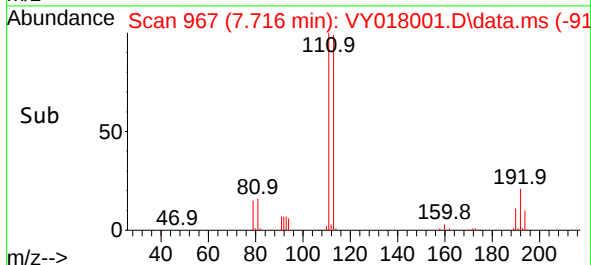
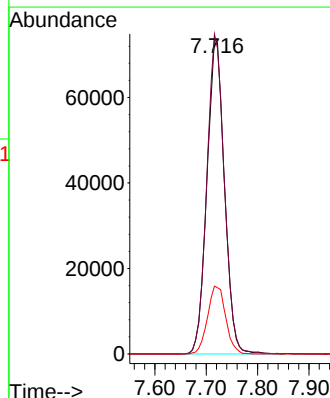
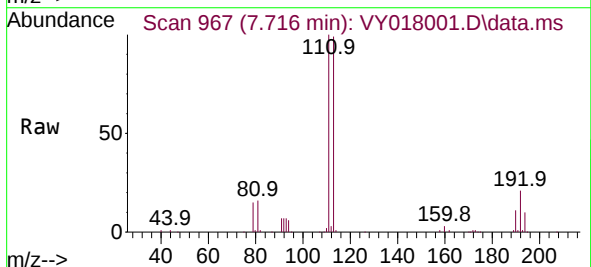
Tgt Ion:113 Resp: 174298

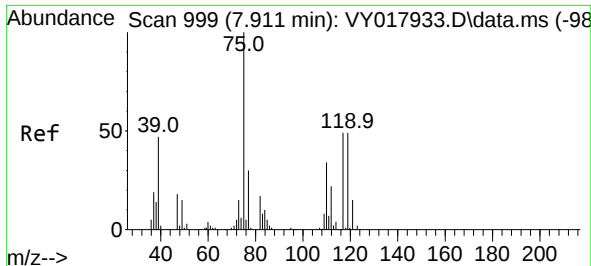
Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.4

192 22.2 15.9 23.9

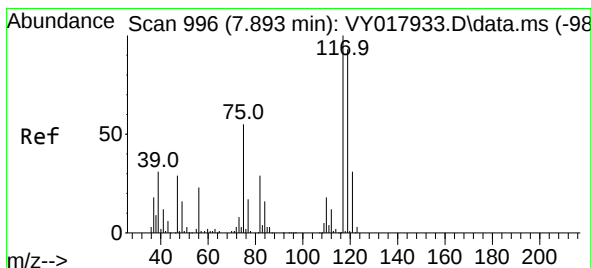
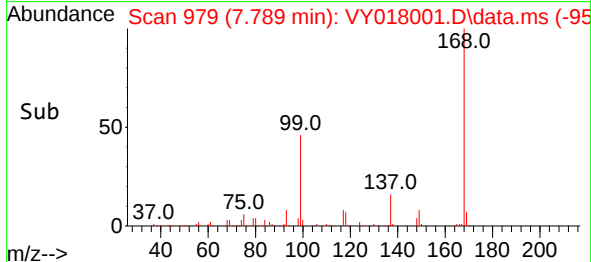
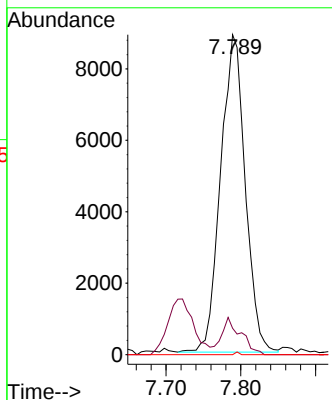
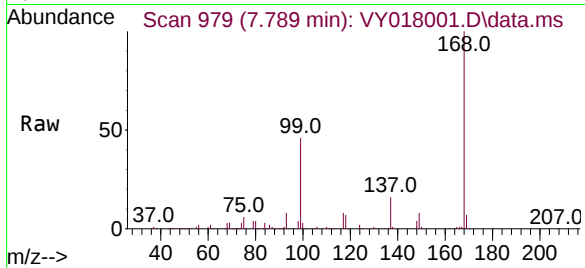




#36
1,1-Dichloropropene
Concen: 4.12 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY018001.D
Acq: 19 Apr 2024 16:10

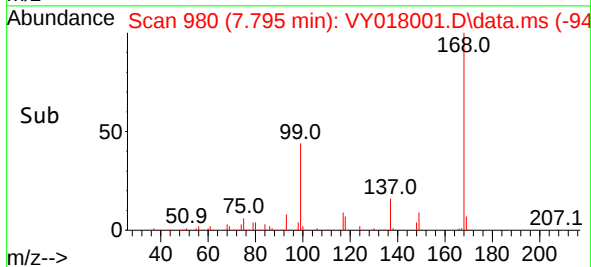
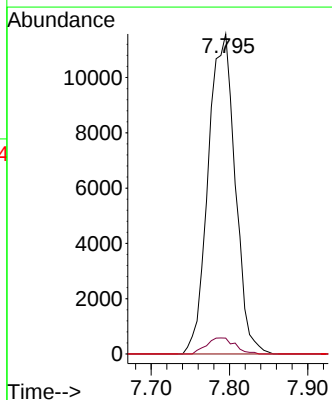
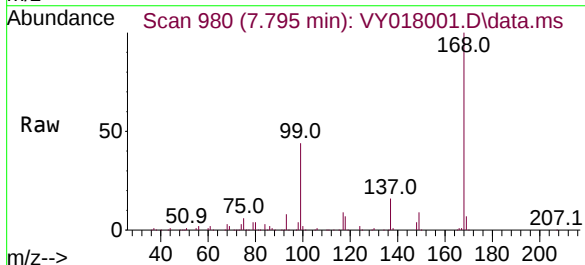
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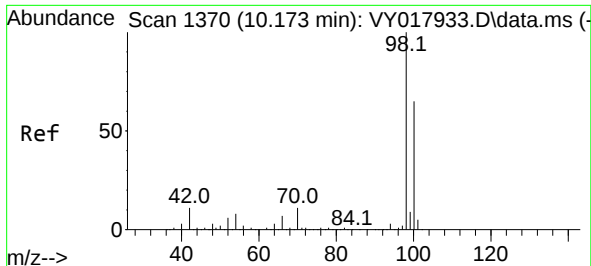
Tgt Ion: 75 Resp: 20368
Ion Ratio Lower Upper
75 100
110 9.3 19.0 57.0#
77 0.1 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.54 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY018001.D
Acq: 19 Apr 2024 16:10

Tgt Ion: 117 Resp: 27685
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 24.0 36.0#

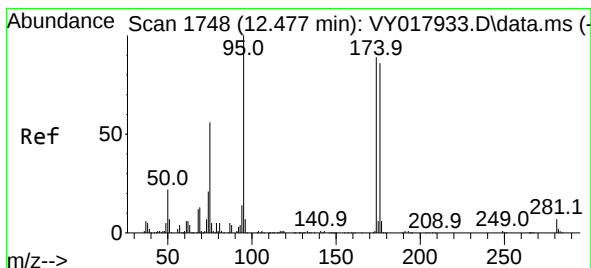
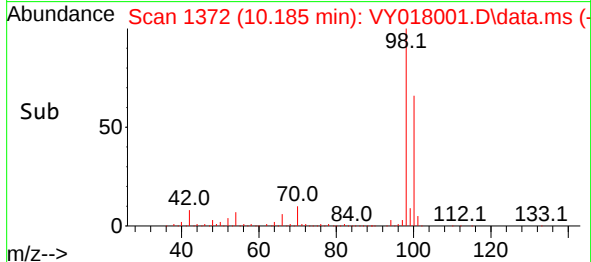
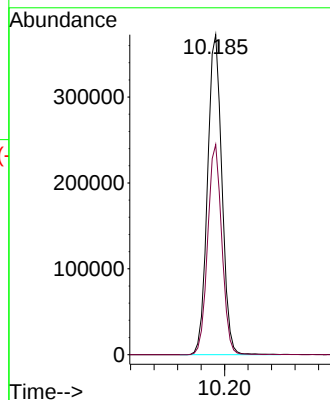
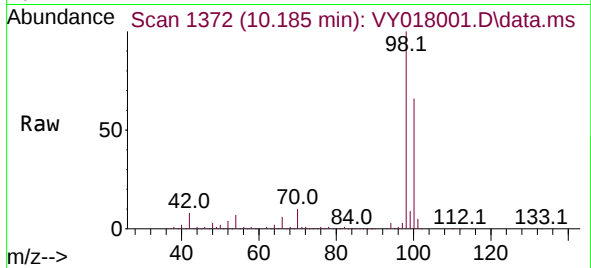




#50
Toluene-d8
Concen: 49.05 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018001.D
Acq: 19 Apr 2024 16:10

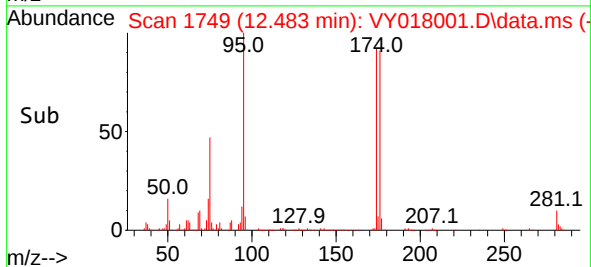
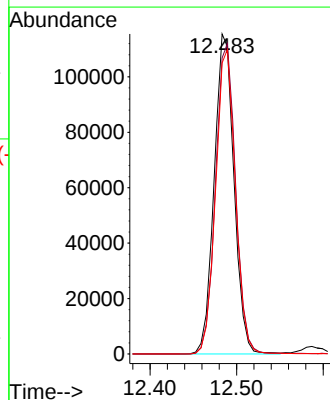
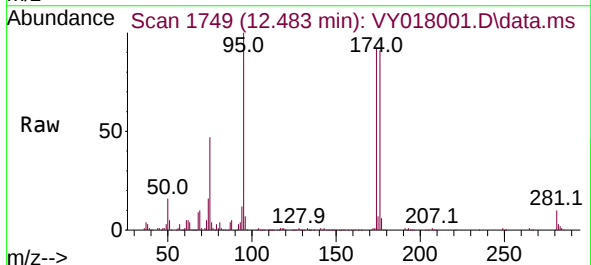
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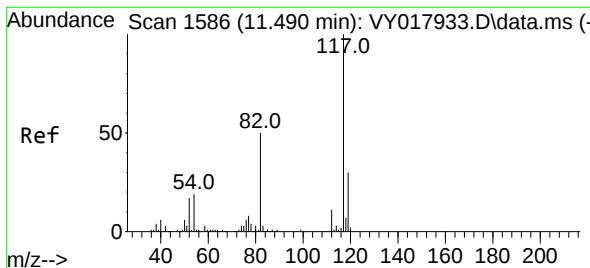
Tgt Ion: 98 Resp: 632615
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.89 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018001.D
Acq: 19 Apr 2024 16:10

Tgt Ion: 95 Resp: 183313
Ion Ratio Lower Upper
95 100
174 97.8 0.0 175.6
176 94.9 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: VY018001.D

Acq: 19 Apr 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

222177

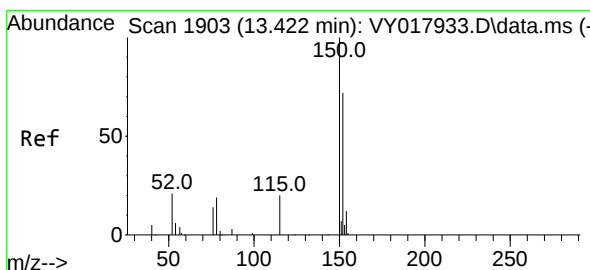
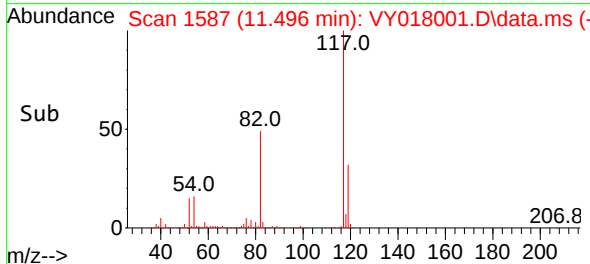
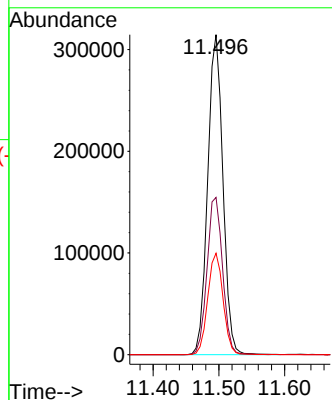
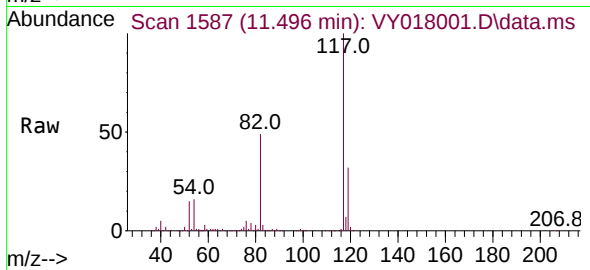
Tgt Ion:117 Resp: 506786

Ion Ratio Lower Upper

117 100

82 49.2 42.4 63.6

119 31.7 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY018001.D

Acq: 19 Apr 2024 16:10

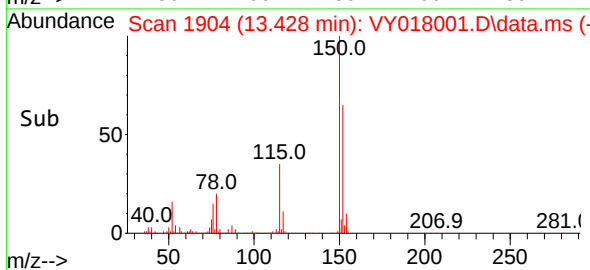
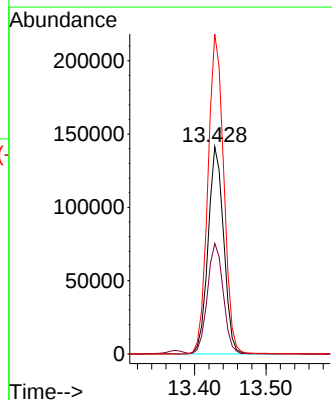
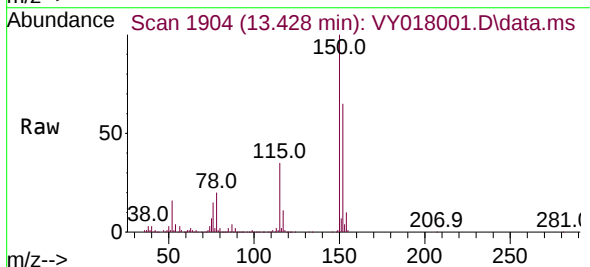
Tgt Ion:152 Resp: 213710

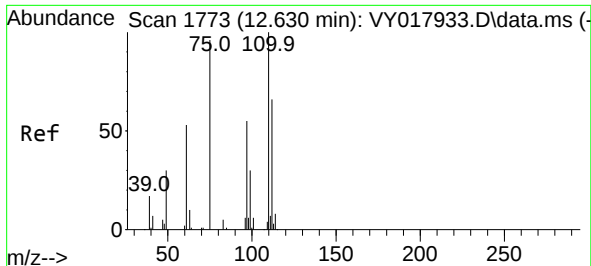
Ion Ratio Lower Upper

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115 54.4 28.2 84.7

150 157.0 0.0 345.6

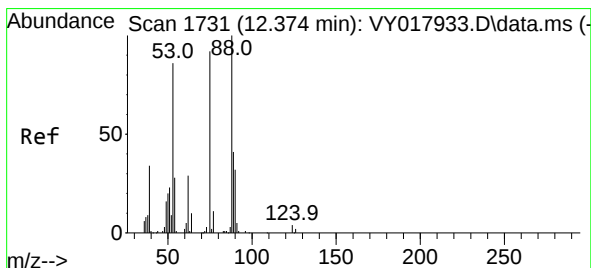
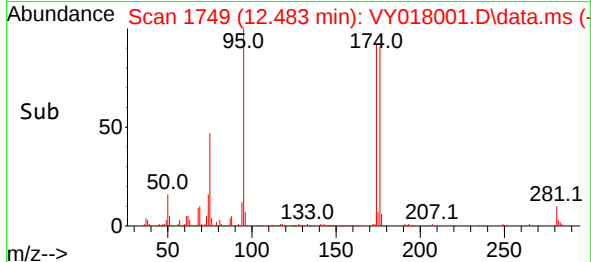
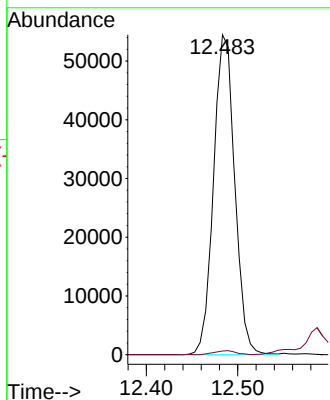
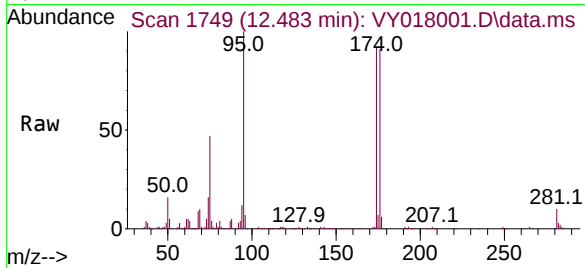




#76
1,2,3-Trichloropropane
Concen: 43.76 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY018001.D
Acq: 19 Apr 2024 16:10

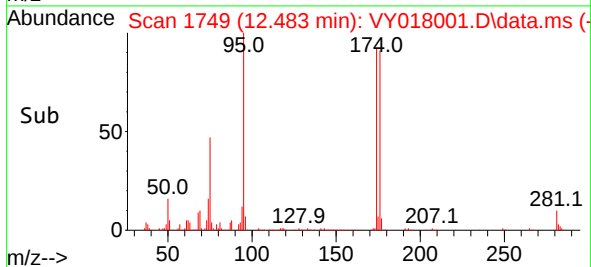
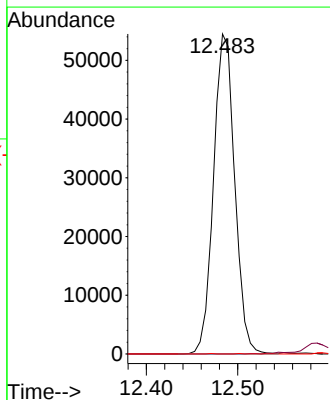
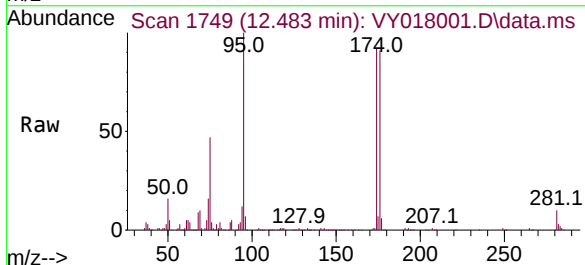
Instrument :
MSVOA_Y
ClientSampleId :
222177

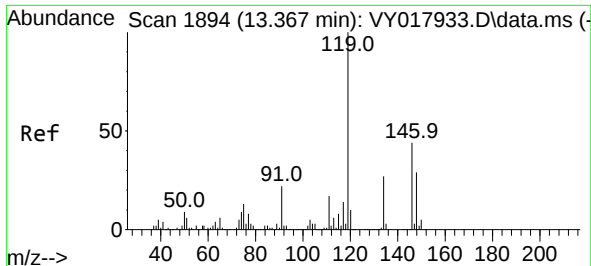
Tgt Ion: 75 Resp: 87759
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.23 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY018001.D
Acq: 19 Apr 2024 16:10

Tgt Ion: 75 Resp: 87759
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

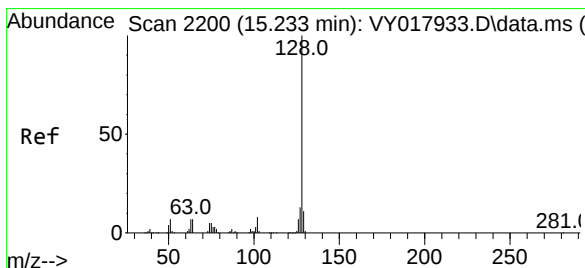
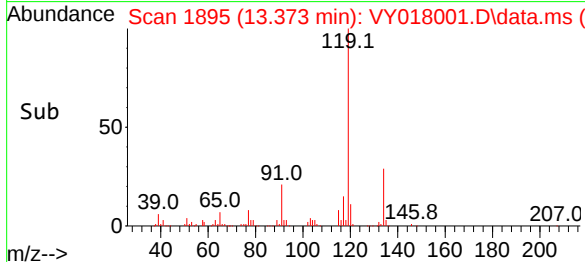
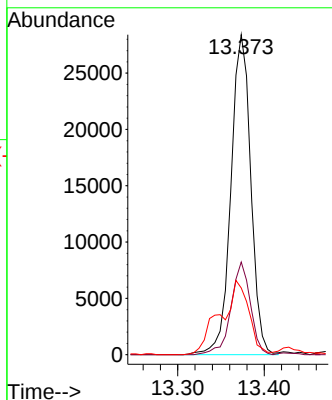
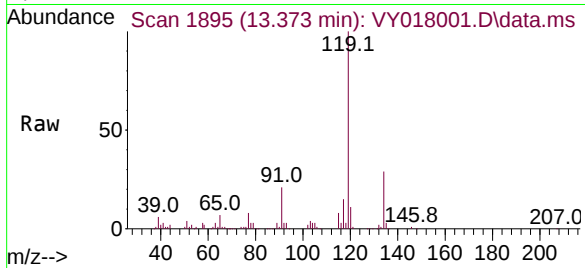




#86
p-Isopropyltoluene
Concen: 3.26 ug/l
RT: 13.373 min Scan# 119
Delta R.T. 0.006 min
Lab File: VY018001.D
Acq: 19 Apr 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :
222177

Tgt Ion:119 Resp: 45330
Ion Ratio Lower Upper
119 100
134 28.2 13.1 39.3
91 33.5 10.7 32.1#



#95
Naphthalene
Concen: 6.07 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY018001.D
Acq: 19 Apr 2024 16:10

Tgt Ion:128 Resp: 37571
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.9 8.6 13.0

