

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
 Data File : VY012442.D
 Acq On : 01 Feb 2023 15:16
 Operator : KP/MD
 Sample : 01386-01
 Misc : 6.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JPP-9-013123

Quant Time: Feb 01 23:05:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

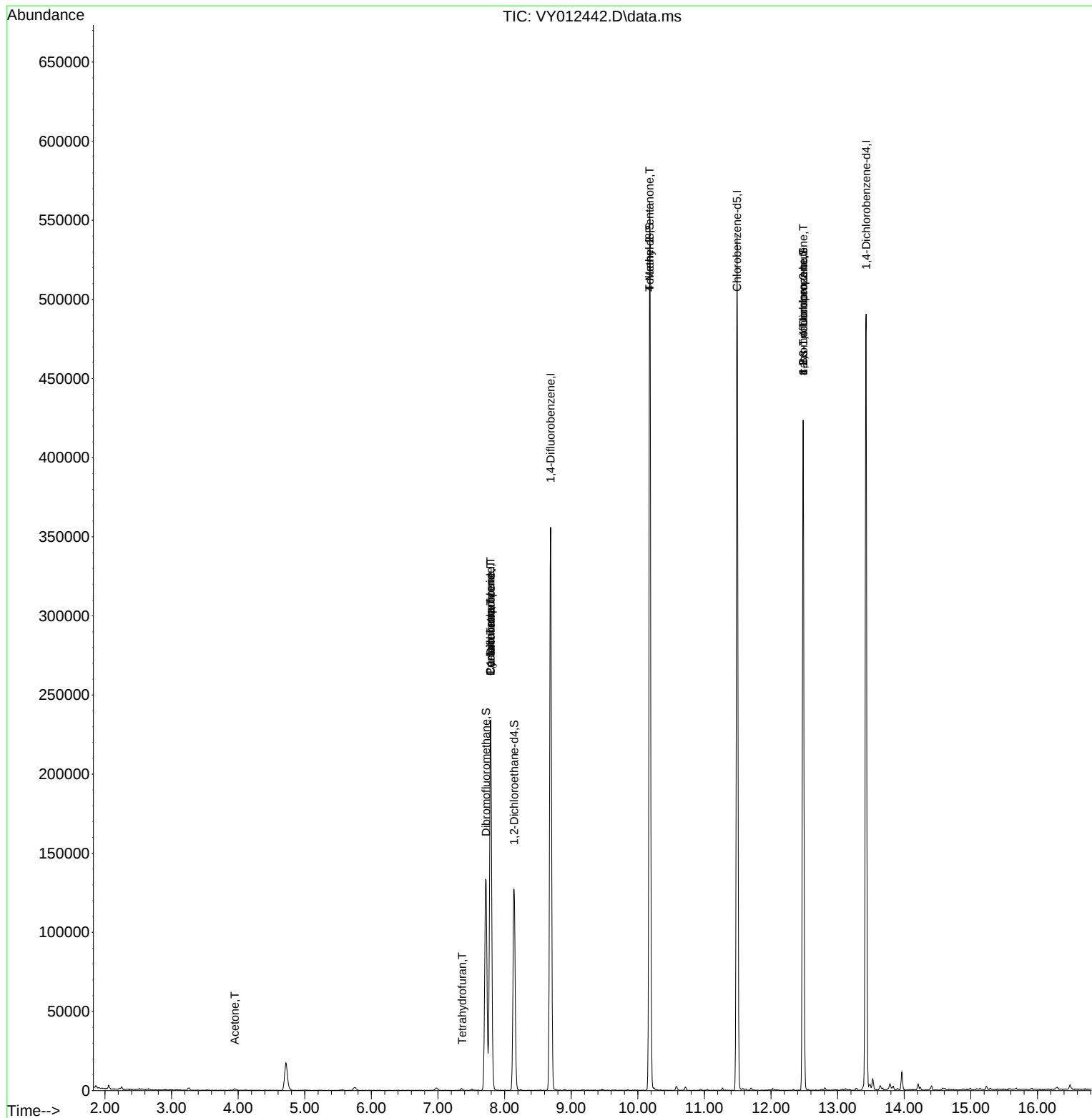
Internal Standards						
1) Pentafluorobenzene	7.789	168	185868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	315811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	301158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	110859	73.831	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.660%	
35) Dibromofluoromethane	7.722	113	93821	56.106	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.220%	
50) Toluene-d8	10.179	98	376314	66.368	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 132.740%	
62) 4-Bromofluorobenzene	12.483	95	121517	51.549	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	95	Below Cal	#	74
16) Acetone	3.948	43	1760	3.401	ug/l #	76
20) Methylene Chloride	4.722	84	14100	Below Cal		85
29) Tetrahydrofuran	7.362	42	838	2.670	ug/l #	81
31) Cyclohexane	7.789	56	3224	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	12377	4.355	ug/l #	50
38) Carbon Tetrachloride	7.789	117	18502	5.041	ug/l #	18
51) 4-Methyl-2-Pentanone	10.179	43	1316	1.059	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	63791	52.370	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	63791	107.905	ug/l #	13

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

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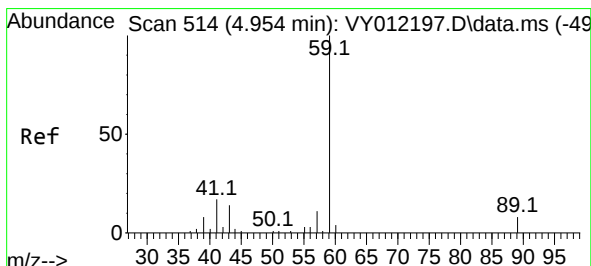
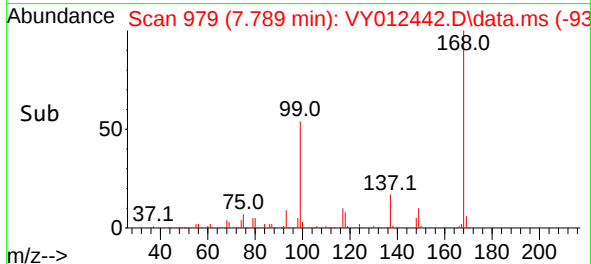
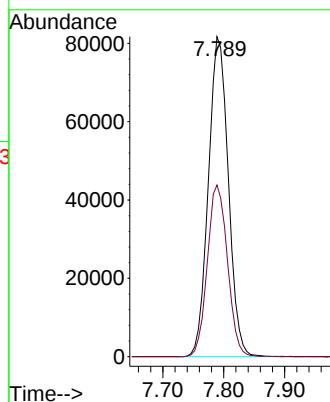
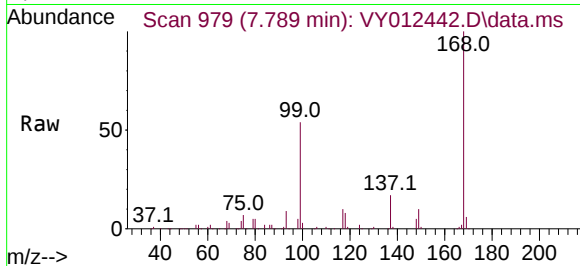




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012442.D
Acq: 01 Feb 2023 15:16

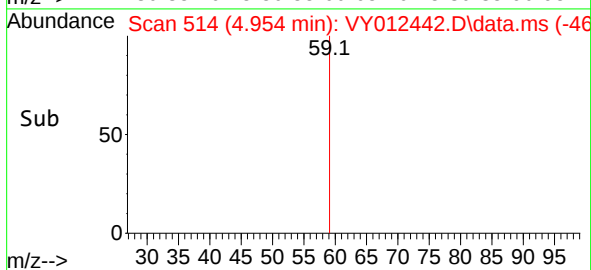
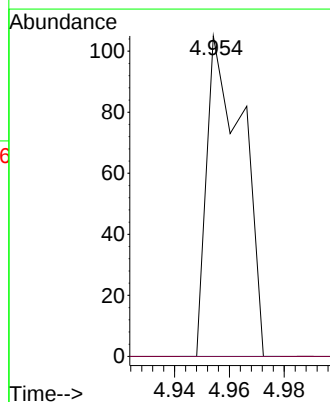
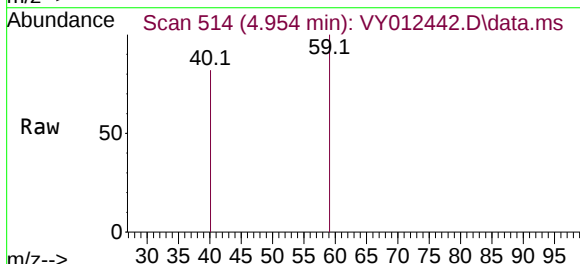
Instrument :
MSVOA_Y
ClientSampleId :
JPP-9-013123

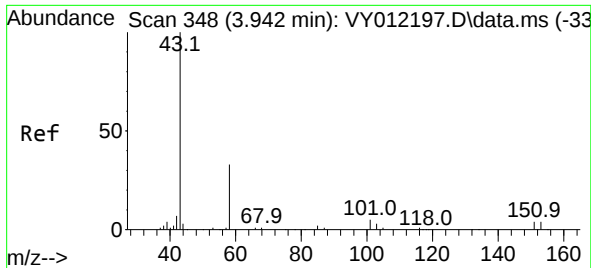
Tgt Ion:168 Resp: 185868
Ion Ratio Lower Upper
168 100
99 53.7 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012442.D
Acq: 01 Feb 2023 15:16

Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

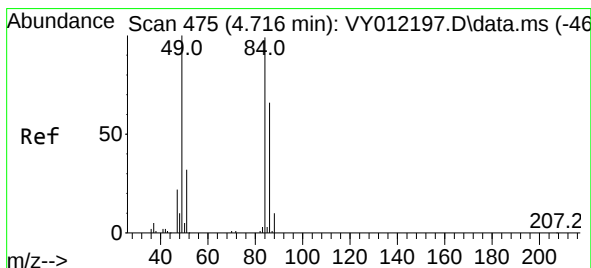
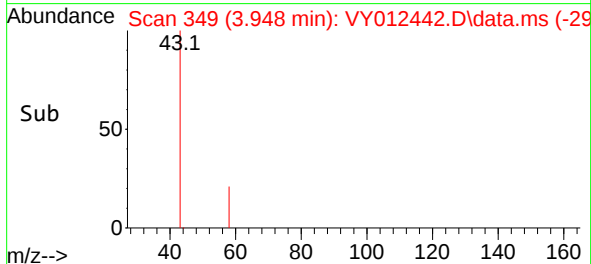
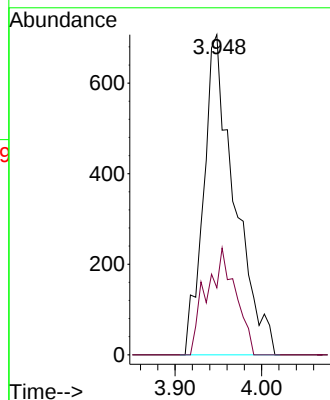
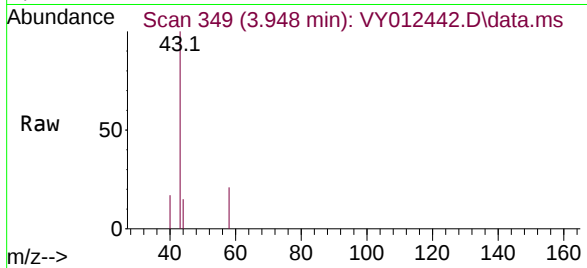




#16
Acetone
Concen: 3.401 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012442.D
Acq: 01 Feb 2023 15:16

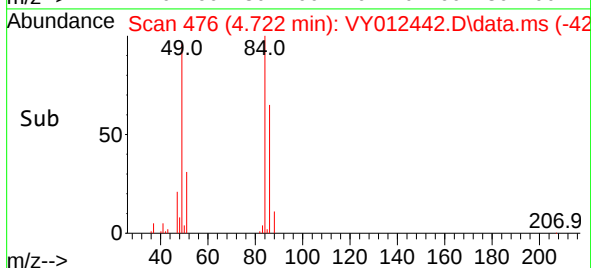
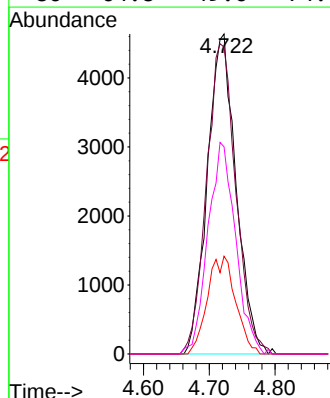
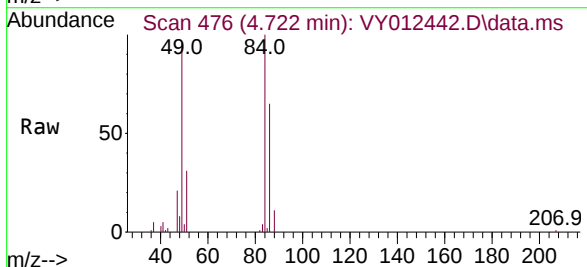
Instrument :
MSVOA_Y
ClientSampleId :
JPP-9-013123

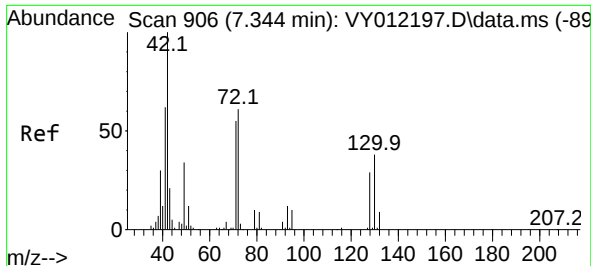
Tgt Ion: 43 Resp: 1760
Ion Ratio Lower Upper
43 100
58 20.9 27.9 41.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY012442.D
Acq: 01 Feb 2023 15:16

Tgt Ion: 84 Resp: 14100
Ion Ratio Lower Upper
84 100
49 95.9 95.4 143.2
51 30.5 29.9 44.9
86 64.8 49.6 74.4





#29

Tetrahydrofuran

Concen: 2.670 ug/l

RT: 7.362 min Scan# 906

Delta R.T. 0.018 min

Lab File: VY012442.D

Acq: 01 Feb 2023 15:16

Instrument :

MSVOA_Y

ClientSampleId :

JPP-9-013123

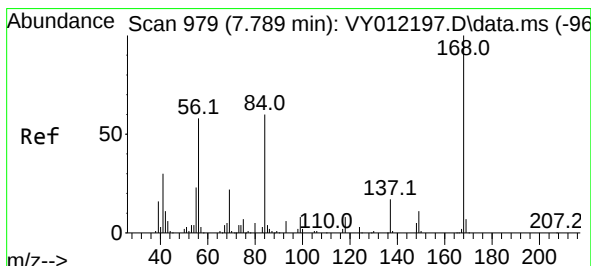
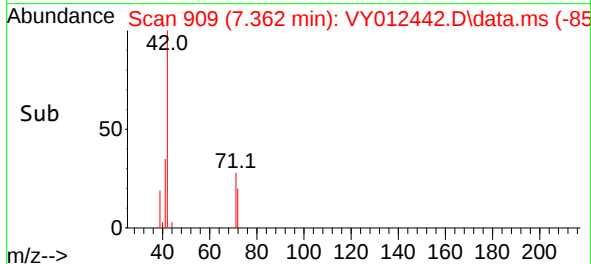
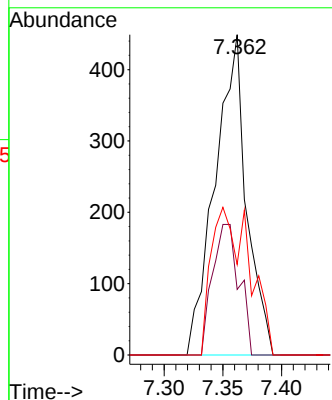
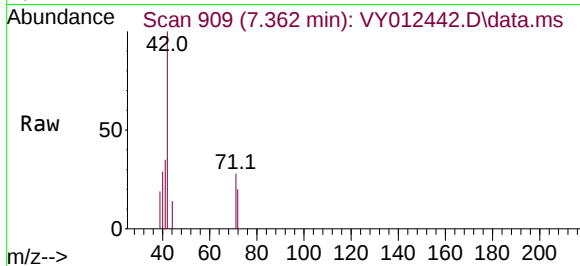
Tgt Ion: 42 Resp: 838

Ion Ratio Lower Upper

42 100

72 34.4 37.0 55.6#

71 56.0 34.9 52.3#



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012442.D

Acq: 01 Feb 2023 15:16

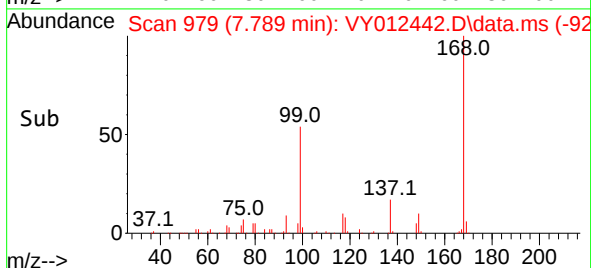
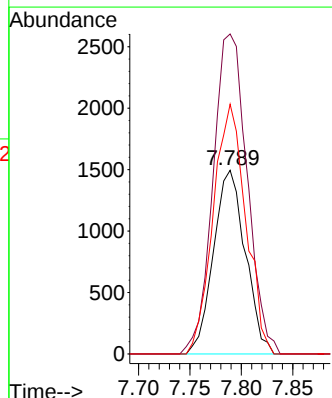
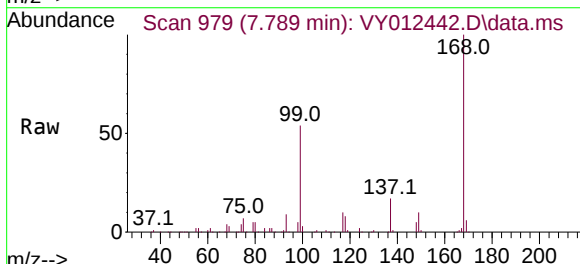
Tgt Ion: 56 Resp: 3224

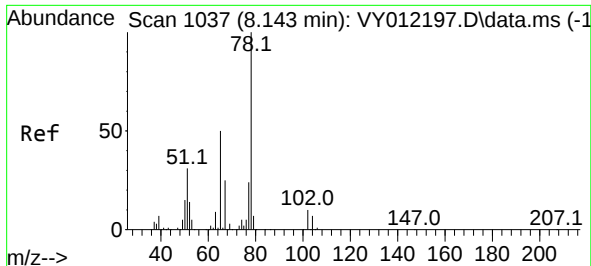
Ion Ratio Lower Upper

56 100

69 174.2 29.2 43.8#

84 135.9 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 73.831 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY012442.D

Acq: 01 Feb 2023 15:16

Instrument :

MSVOA_Y

ClientSampleId :

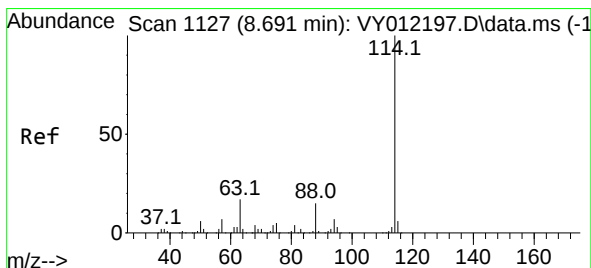
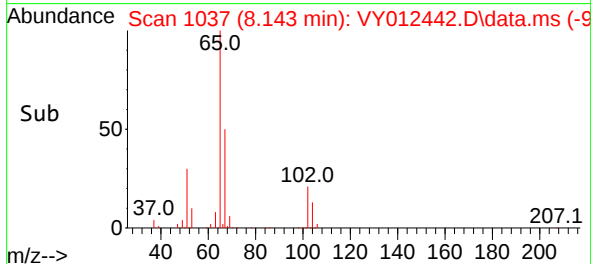
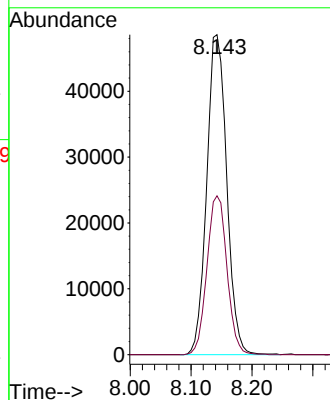
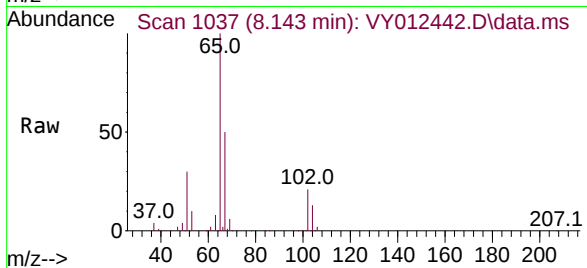
JPP-9-013123

Tgt Ion: 65 Resp: 110859

Ion Ratio Lower Upper

65 100

67 49.7 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012442.D

Acq: 01 Feb 2023 15:16

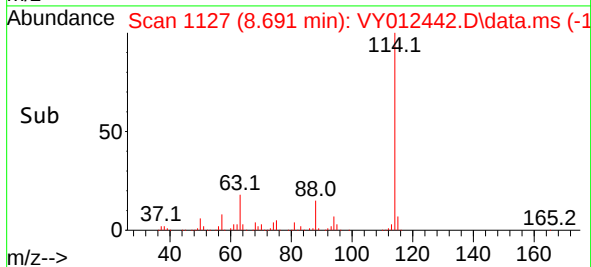
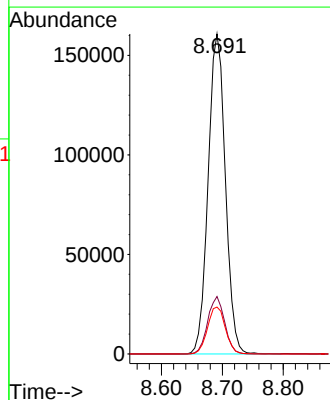
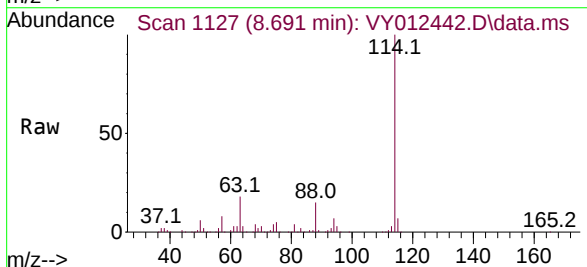
Tgt Ion: 114 Resp: 315811

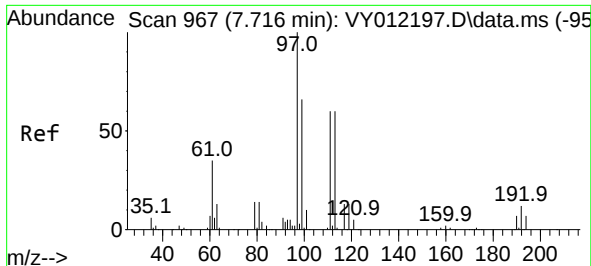
Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.6

88 14.6 0.0 32.2





#35

Dibromofluoromethane

Concen: 56.106 ug/l

RT: 7.722 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY012442.D

Acq: 01 Feb 2023 15:16

Instrument :

MSVOA_Y

ClientSampleId :

JPP-9-013123

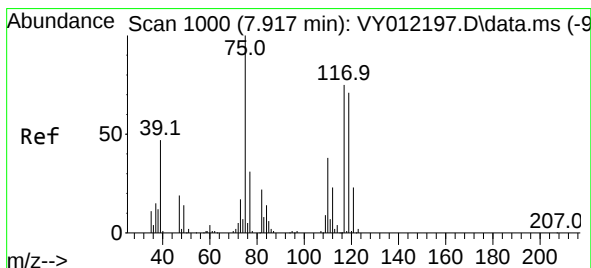
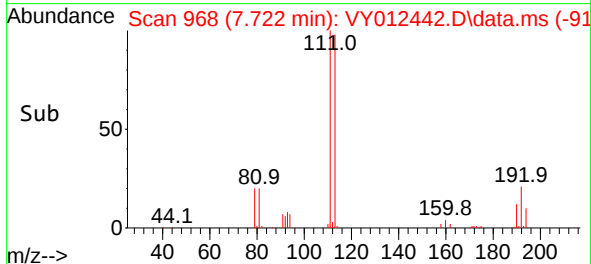
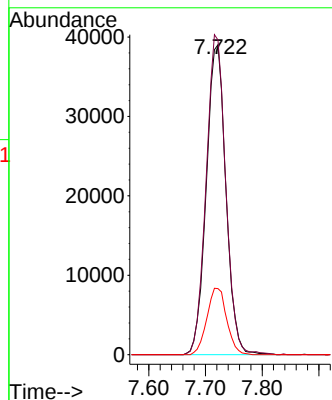
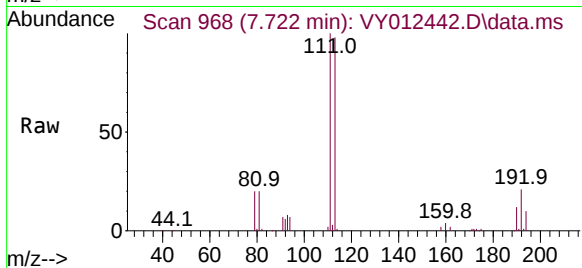
Tgt Ion:113 Resp: 93821

Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

192 21.7 16.0 24.0



#36

1,1-Dichloropropene

Concen: 4.355 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY012442.D

Acq: 01 Feb 2023 15:16

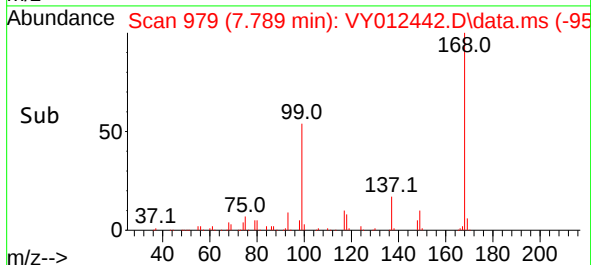
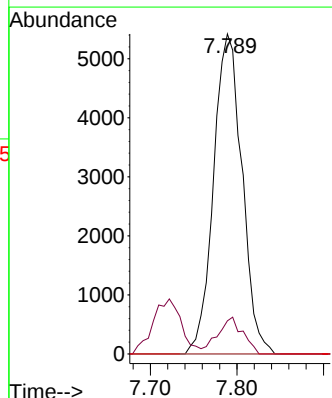
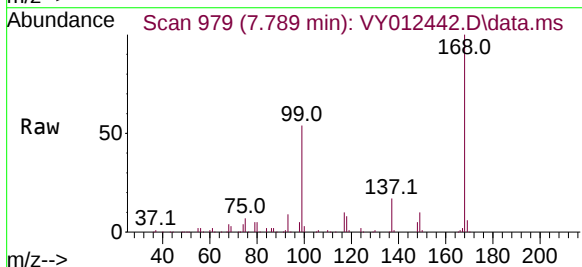
Tgt Ion: 75 Resp: 12377

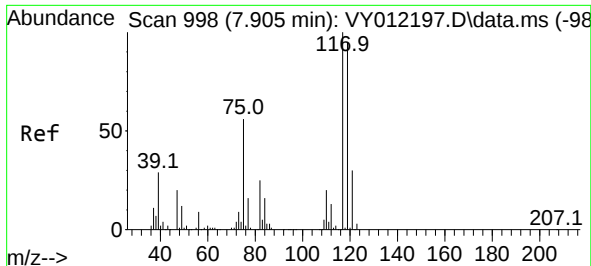
Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.1#

77 0.0 25.1 37.7#

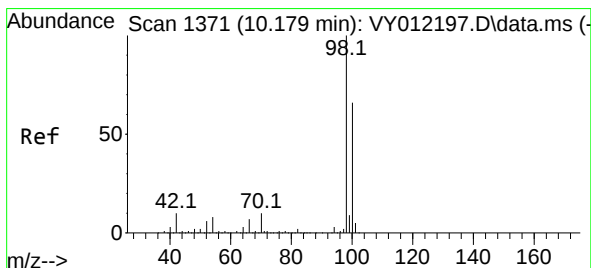
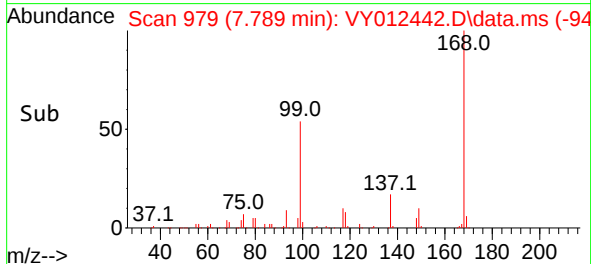
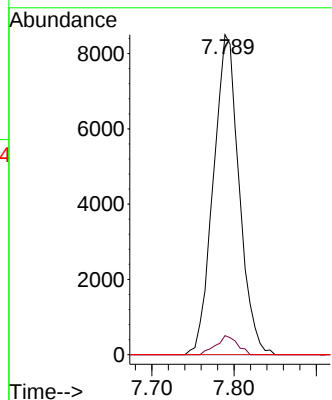
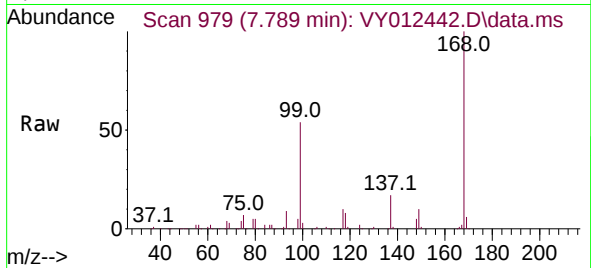




#38
Carbon Tetrachloride
Concen: 5.041 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012442.D
Acq: 01 Feb 2023 15:16

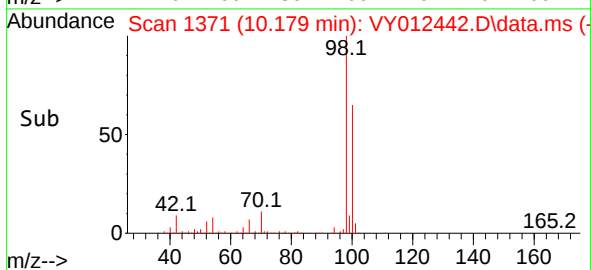
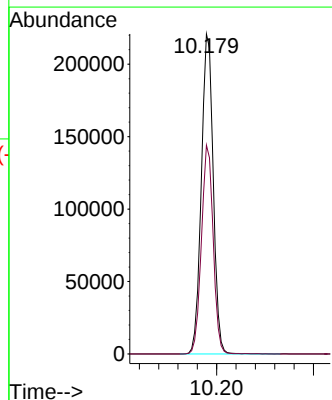
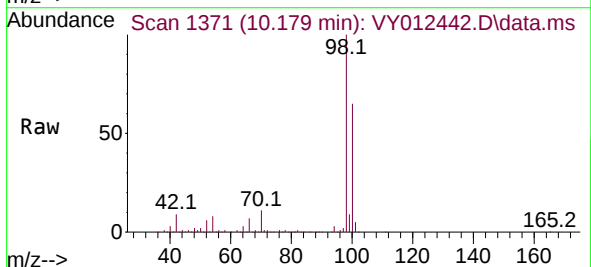
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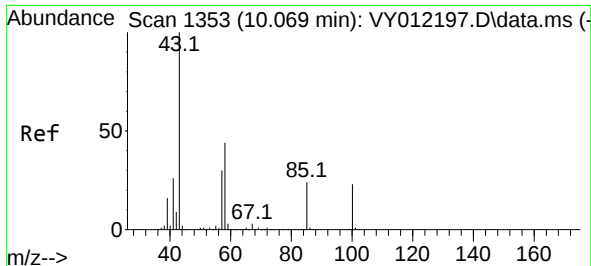
Tgt Ion:117 Resp: 18502
Ion Ratio Lower Upper
117 100
119 6.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 66.368 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012442.D
Acq: 01 Feb 2023 15:16

Tgt Ion: 98 Resp: 376314
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9

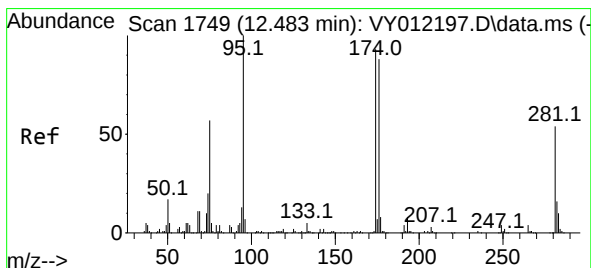
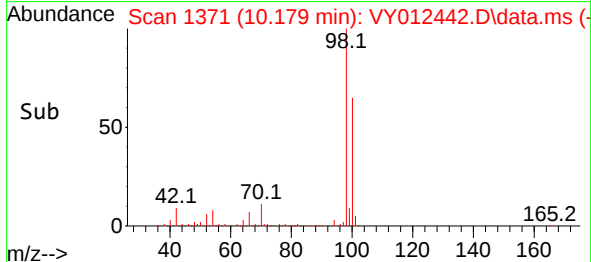
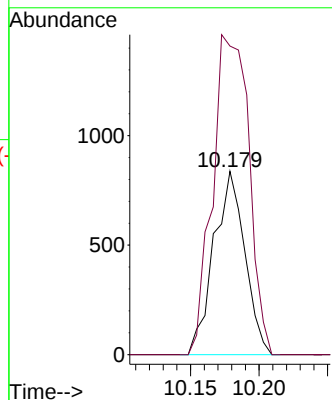
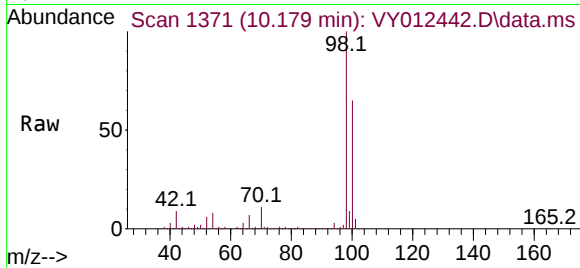




#51
4-Methyl-2-Pentanone
Concen: 1.059 ug/l
RT: 10.179 min Scan# 1353
Delta R.T. 0.110 min
Lab File: VY012442.D
Acq: 01 Feb 2023 15:16

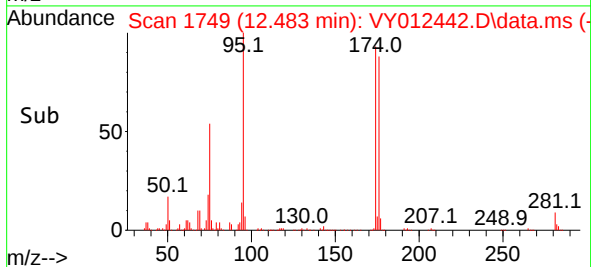
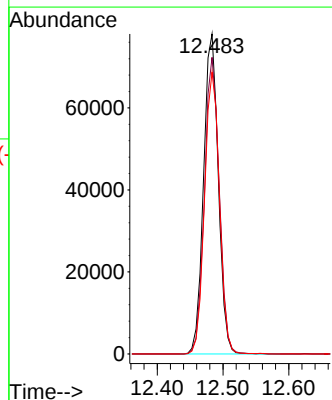
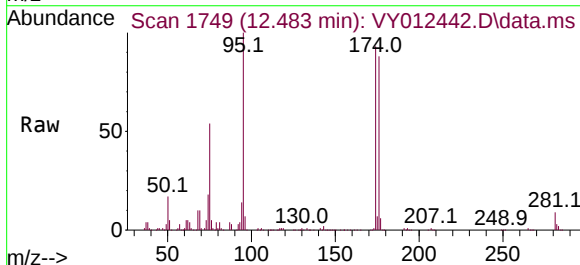
Instrument :
MSVOA_Y
ClientSampleId :
JPP-9-013123

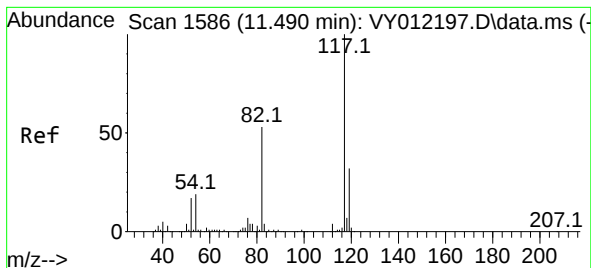
Tgt Ion: 43 Resp: 1316
Ion Ratio Lower Upper
43 100
58 204.4 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 51.549 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012442.D
Acq: 01 Feb 2023 15:16

Tgt Ion: 95 Resp: 121517
Ion Ratio Lower Upper
95 100
174 93.2 0.0 172.0
176 89.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012442.D

Acq: 01 Feb 2023 15:16

Instrument :

MSVOA_Y

ClientSampleId :

JPP-9-013123

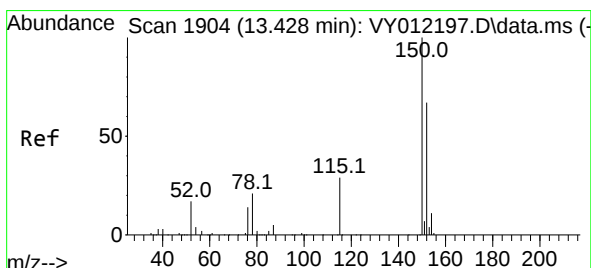
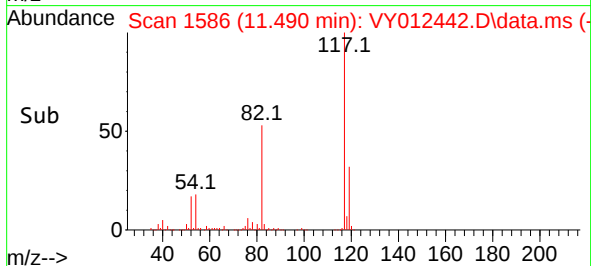
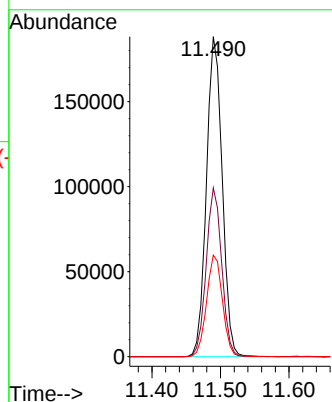
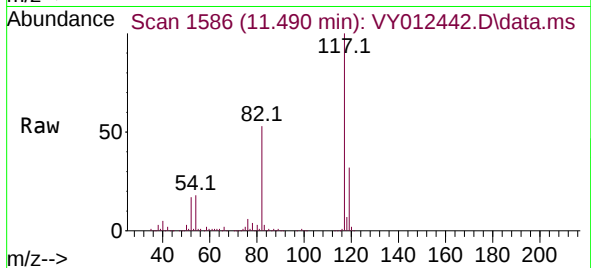
Tgt Ion:117 Resp: 301158

Ion Ratio Lower Upper

117 100

82 52.7 44.8 67.2

119 31.7 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012442.D

Acq: 01 Feb 2023 15:16

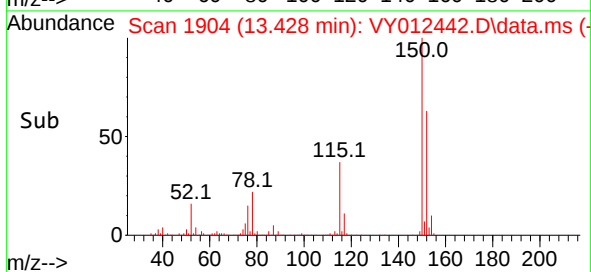
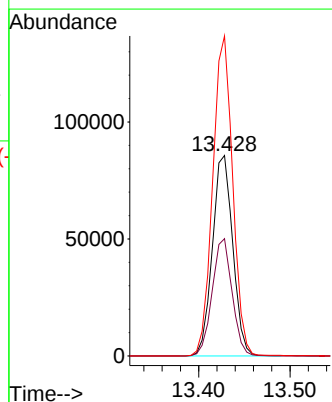
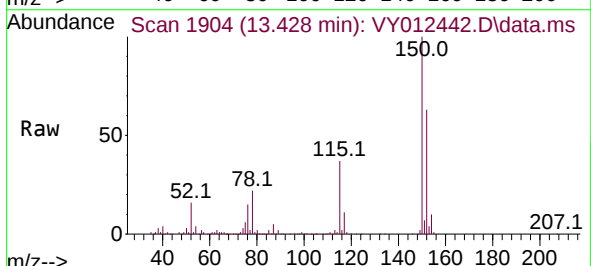
Tgt Ion:152 Resp: 132467

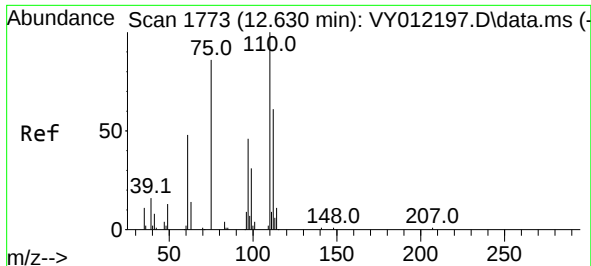
Ion Ratio Lower Upper

152 100

115 57.3 29.1 87.3

150 156.5 0.0 342.6

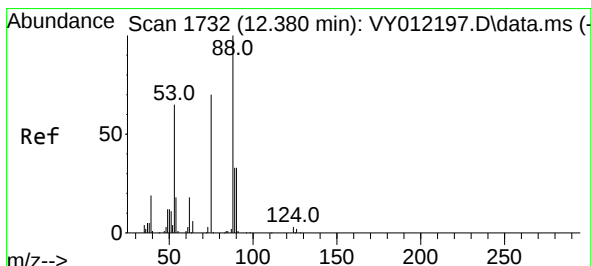
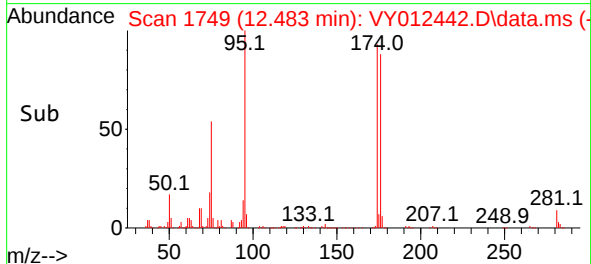
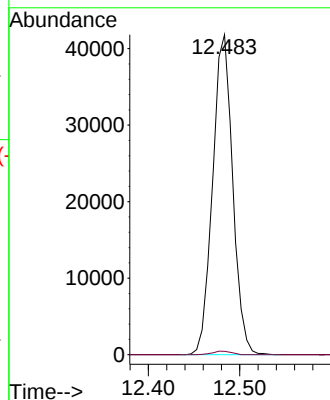
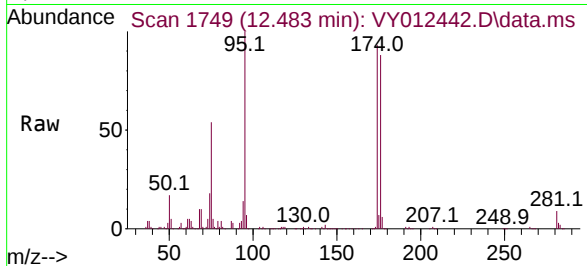




#76
1,2,3-Trichloropropane
Concen: 52.370 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012442.D
Acq: 01 Feb 2023 15:16

Instrument :
MSVOA_Y
ClientSampleId :
JPP-9-013123

Tgt Ion: 75 Resp: 63791
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.905 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012442.D
Acq: 01 Feb 2023 15:16

Tgt Ion: 75 Resp: 63791
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#

