

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012120.D
 Acq On : 09 Jan 2023 18:54
 Operator : KP/MD
 Sample : 01051-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11933

Quant Time: Jan 10 01:50:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

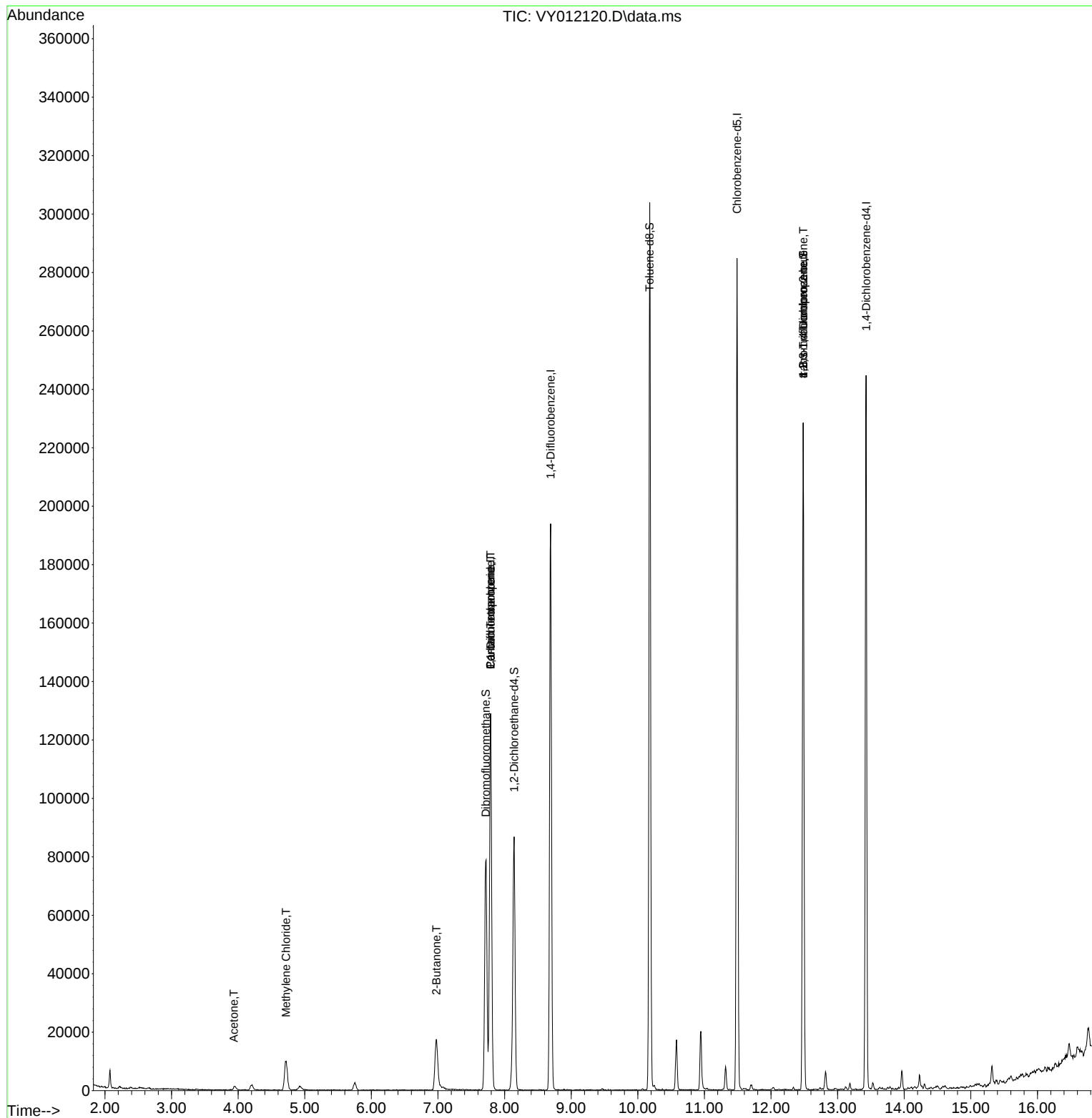
Internal Standards						
1) Pentafluorobenzene	7.789	168	101311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	170770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	159035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	68444	60.123	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.240%	
35) Dibromofluoromethane	7.716	113	55242	49.216	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.440%	
50) Toluene-d8	10.179	98	201544	45.492	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 90.980%	
62) 4-Bromofluorobenzene	12.483	95	63647	41.100	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	82	Below Cal	#	41
11) Tert butyl alcohol	4.942	59	1735	Below Cal	#	74
16) Acetone	3.936	43	2548	9.515	ug/l #	72
20) Methylene Chloride	4.716	84	8144	1.448	ug/l	87
25) 2-Butanone	6.978	43	952	2.694	ug/l	95
31) Cyclohexane	7.789	56	1822	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	7025	4.125	ug/l #	51
38) Carbon Tetrachloride	7.789	117	9761	4.516	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	32935	43.110	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	32935	95.742	ug/l #	13

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

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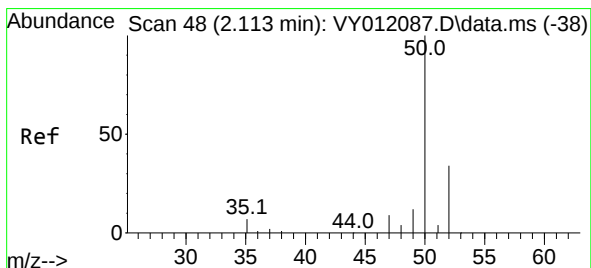
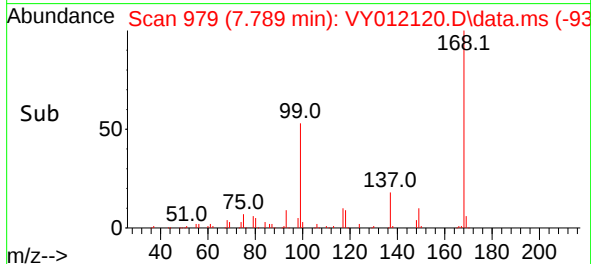
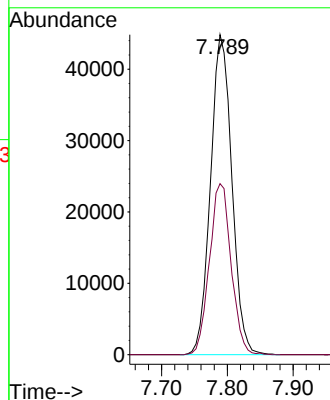
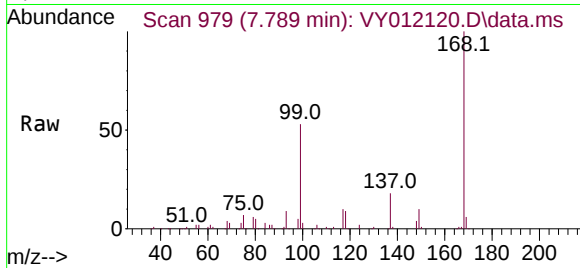




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012120.D
Acq: 09 Jan 2023 18:54

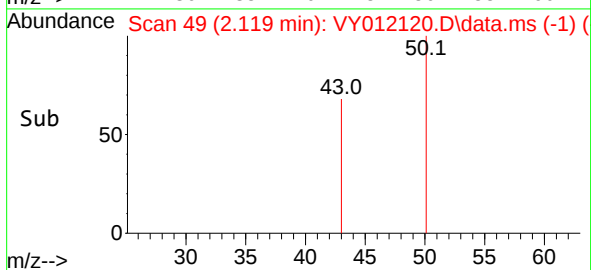
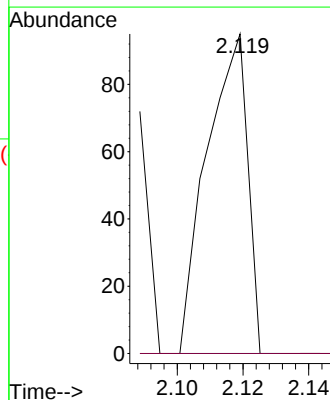
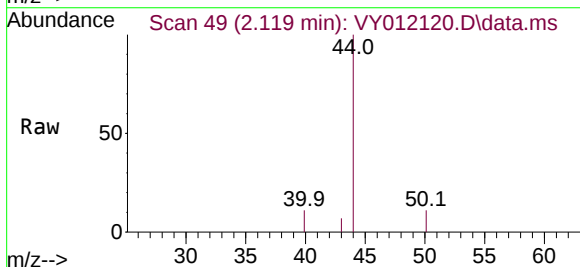
Instrument :
MSVOA_Y
ClientSampleId :
72-11933

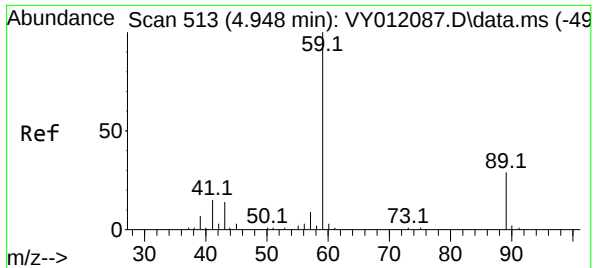
Tgt Ion:168 Resp: 101311
Ion Ratio Lower Upper
168 100
99 53.4 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012120.D
Acq: 09 Jan 2023 18:54

Tgt Ion: 50 Resp: 82
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

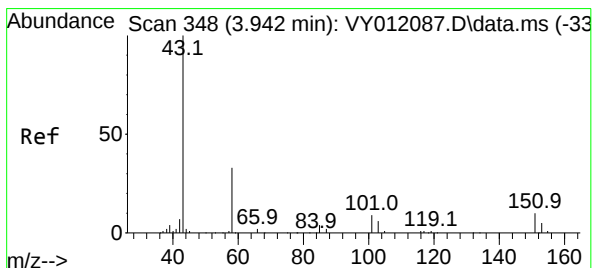
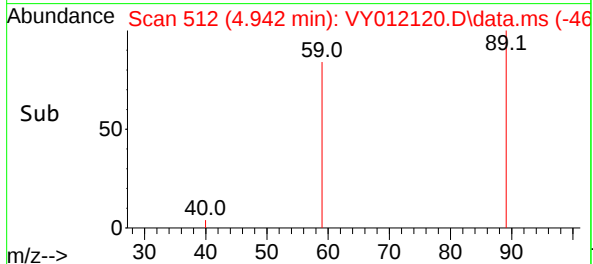
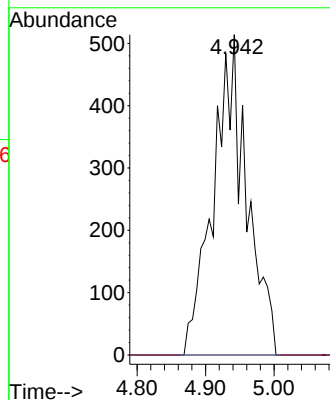
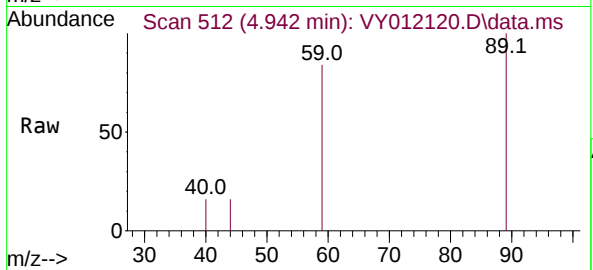




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY012120.D
Acq: 09 Jan 2023 18:54

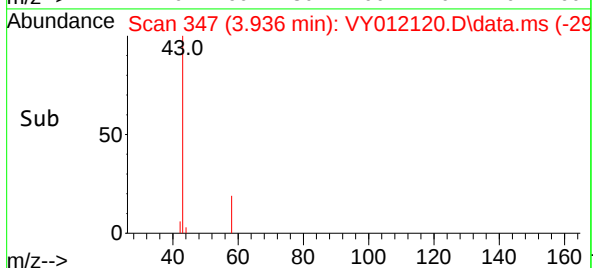
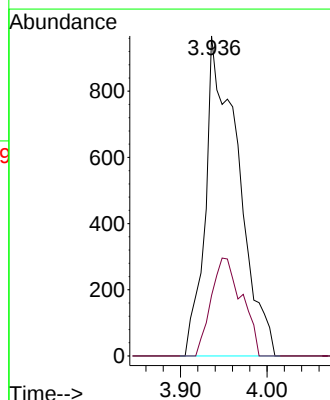
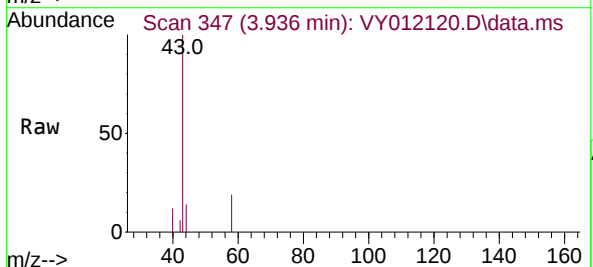
Instrument :
MSVOA_Y
ClientSampleId :
72-11933

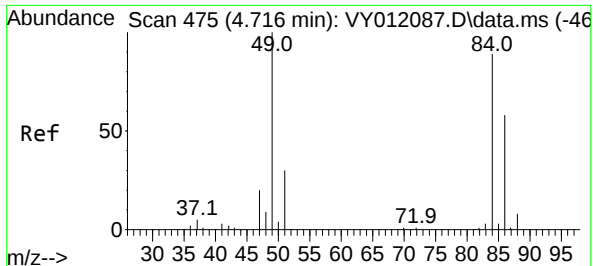
Tgt Ion: 59 Resp: 1735
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 9.515 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY012120.D
Acq: 09 Jan 2023 18:54

Tgt Ion: 43 Resp: 2548
Ion Ratio Lower Upper
43 100
58 18.9 27.9 41.9#

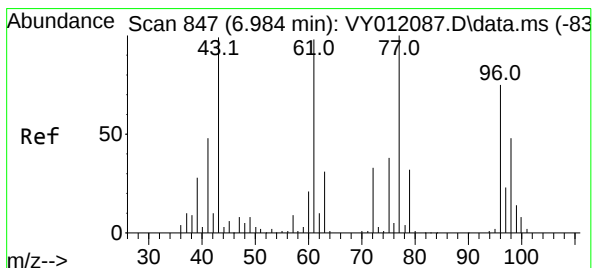
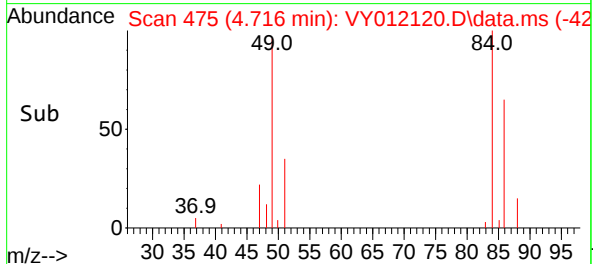
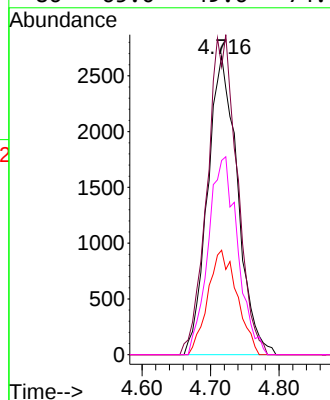
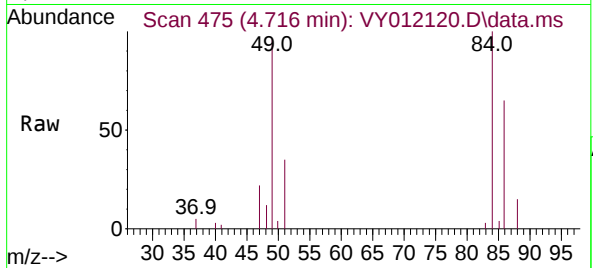




#20
Methylene Chloride
Concen: 1.448 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012120.D
Acq: 09 Jan 2023 18:54

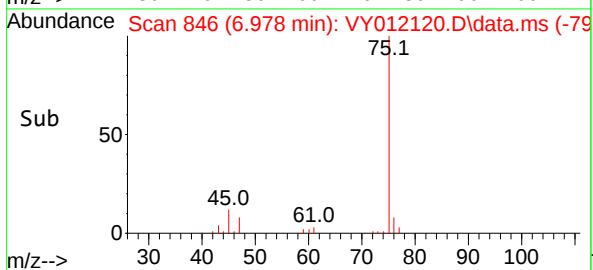
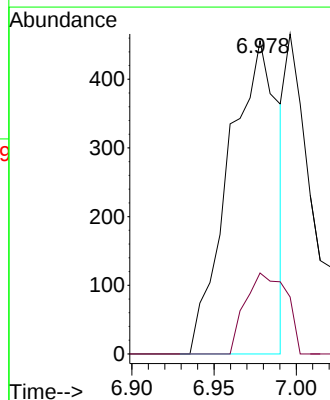
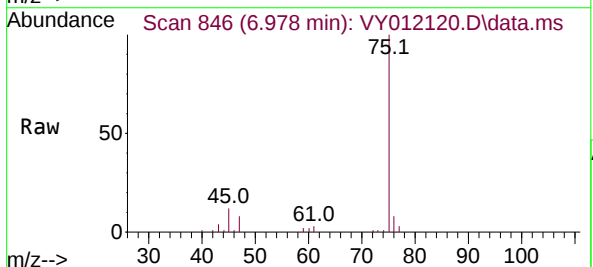
Instrument :
MSVOA_Y
ClientSampleId :
72-11933

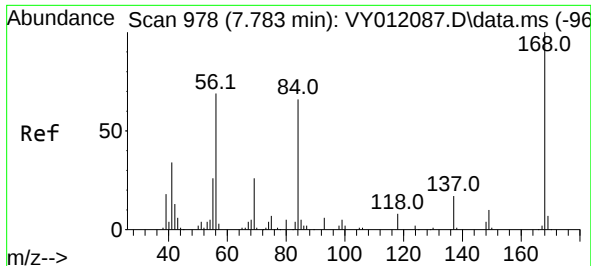
Tgt Ion: 84	Resp: 8144
Ion Ratio	Lower Upper
84 100	
49 96.4	95.4 143.2
51 35.0	29.9 44.9
86 65.0	49.6 74.4



#25
2-Butanone
Concen: 2.694 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY012120.D
Acq: 09 Jan 2023 18:54

Tgt Ion: 43	Resp:	952	
Ion Ratio	Lower	Upper	
43	100		
72	25.9	22.6	34.0

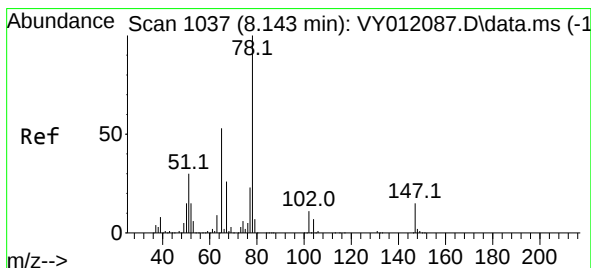
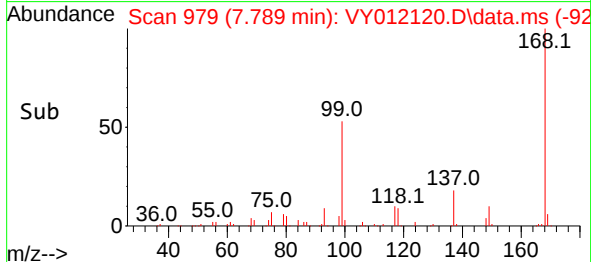
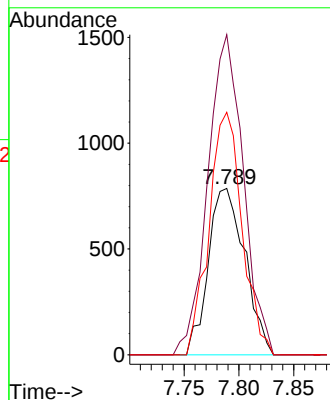
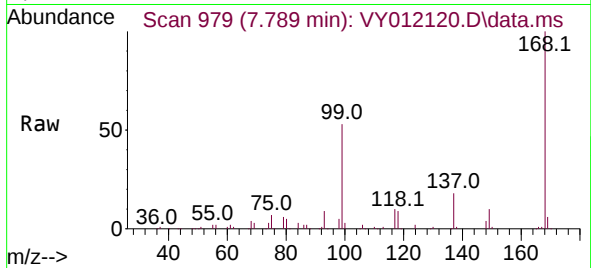




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012120.D
Acq: 09 Jan 2023 18:54

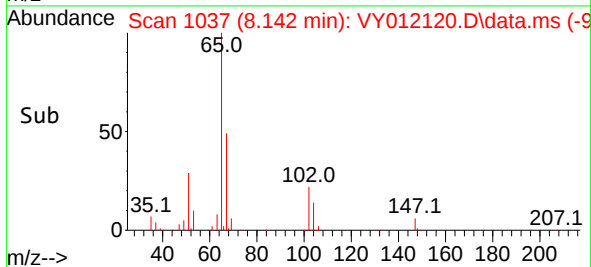
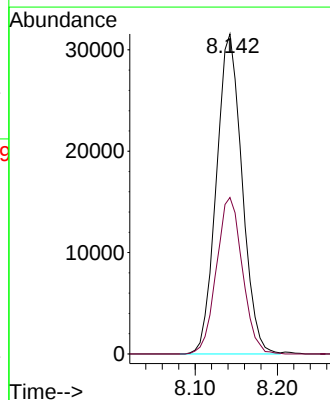
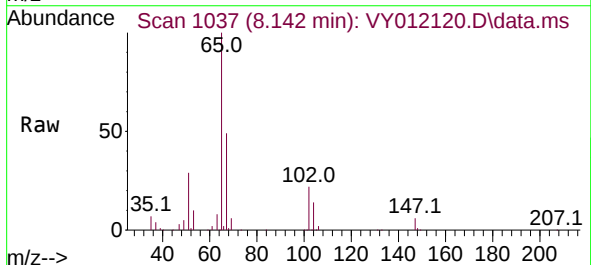
Instrument :
MSVOA_Y
ClientSampleId :
72-11933

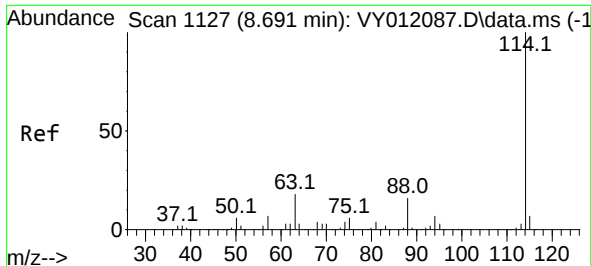
Tgt Ion: 56 Resp: 1822
Ion Ratio Lower Upper
56 100
69 192.5 29.2 43.8#
84 145.8 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 60.123 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012120.D
Acq: 09 Jan 2023 18:54

Tgt Ion: 65 Resp: 68444
Ion Ratio Lower Upper
65 100
67 49.5 0.0 103.2

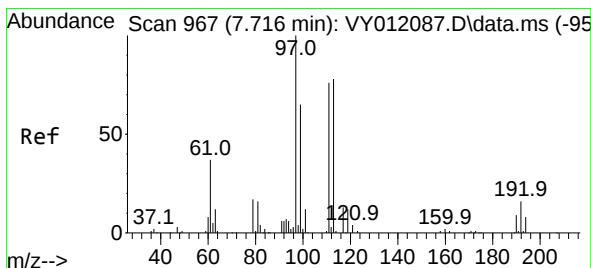
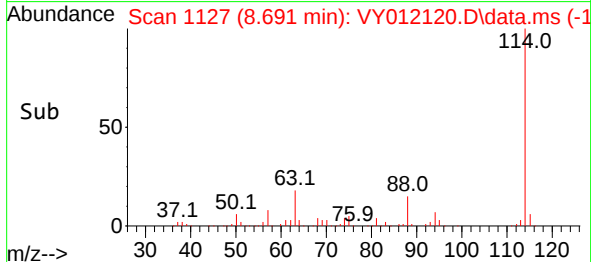
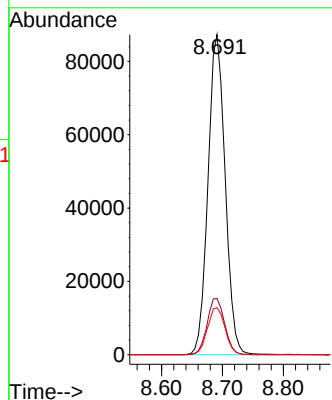
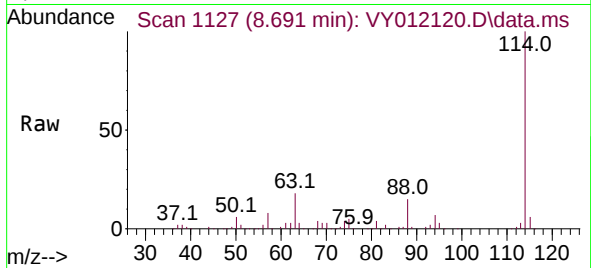




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012120.D
Acq: 09 Jan 2023 18:54

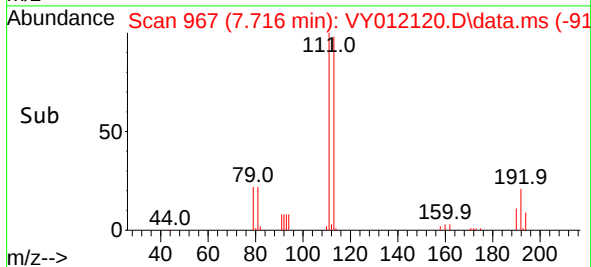
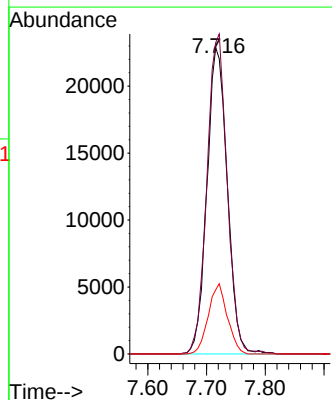
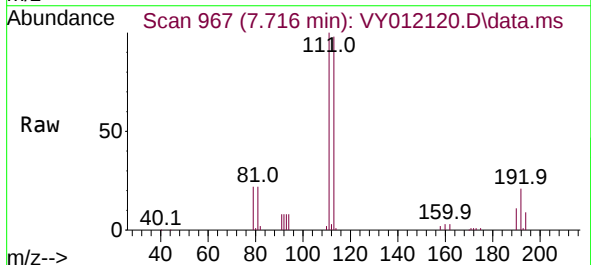
Instrument :
MSVOA_Y
ClientSampleId :
72-11933

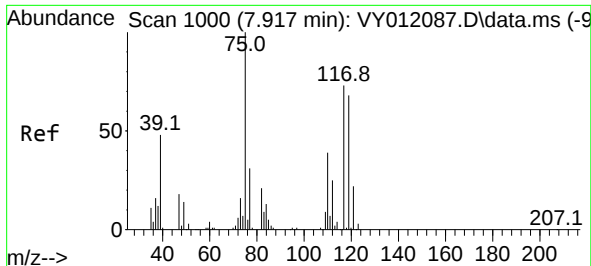
Tgt Ion:114 Resp: 170770
Ion Ratio Lower Upper
114 100
63 17.6 0.0 39.6
88 14.7 0.0 32.2



#35
Dibromofluoromethane
Concen: 49.216 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012120.D
Acq: 09 Jan 2023 18:54

Tgt Ion:113 Resp: 55242
Ion Ratio Lower Upper
113 100
111 103.6 83.0 124.4
192 21.4 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.125 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012120.D

Acq: 09 Jan 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

72-11933

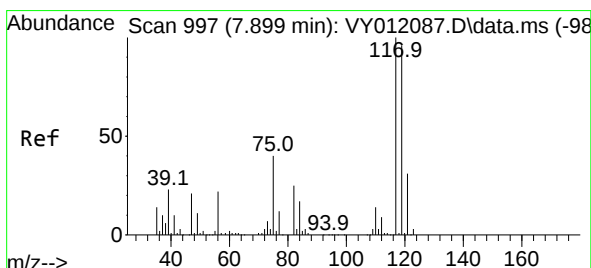
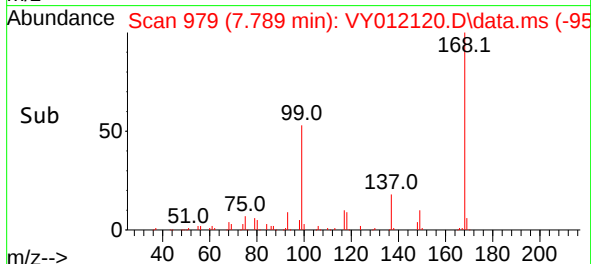
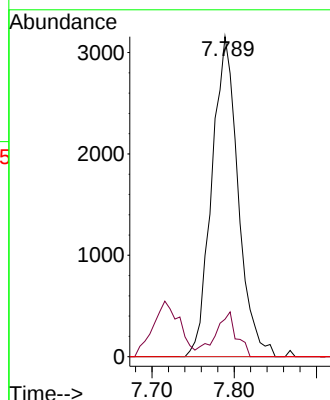
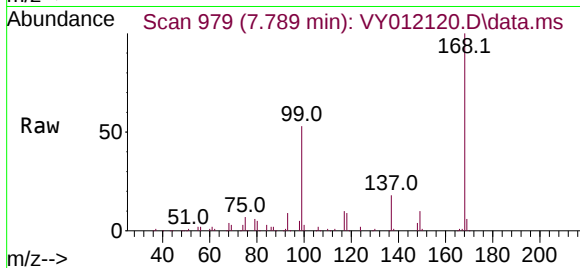
Tgt Ion: 75 Resp: 7025

Ion Ratio Lower Upper

75 100

110 11.3 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.516 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012120.D

Acq: 09 Jan 2023 18:54

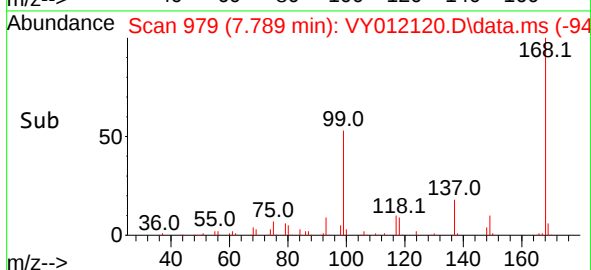
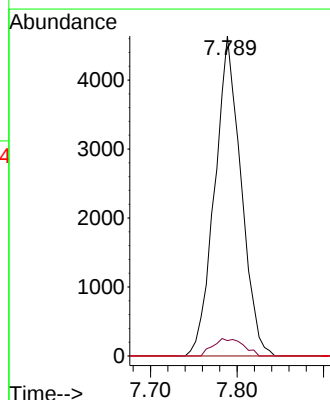
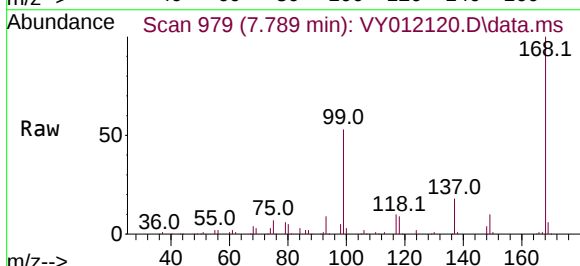
Tgt Ion: 117 Resp: 9761

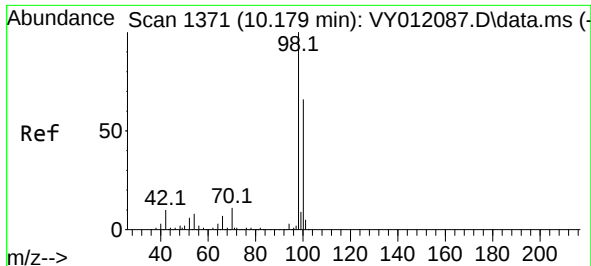
Ion Ratio Lower Upper

117 100

119 4.8 73.8 110.8#

121 0.0 25.2 37.8#

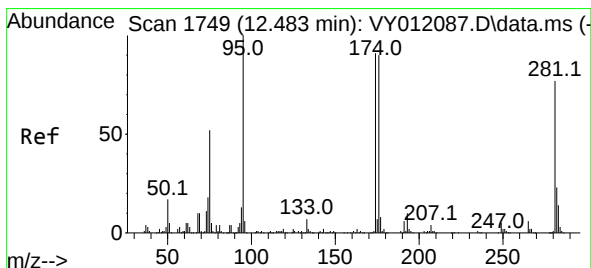
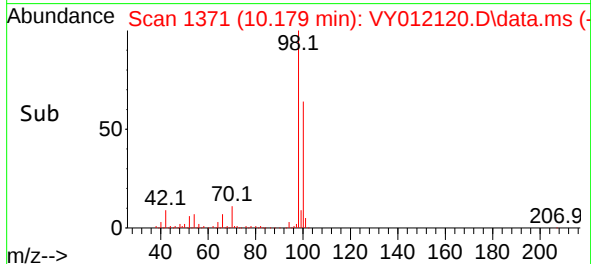
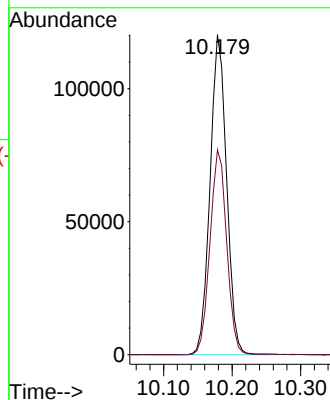
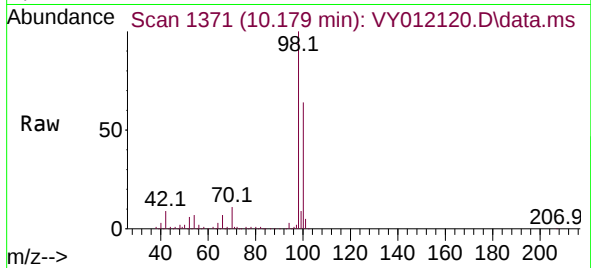




#50
Toluene-d8
Concen: 45.492 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012120.D
Acq: 09 Jan 2023 18:54

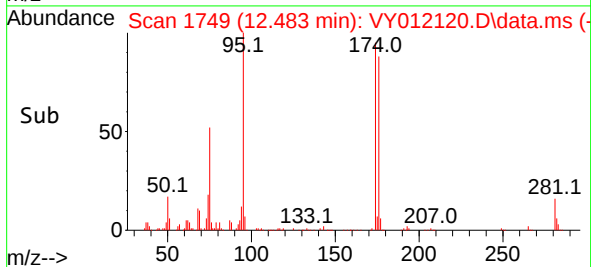
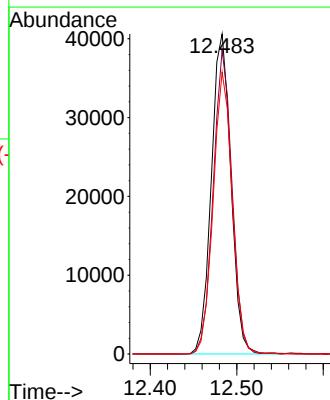
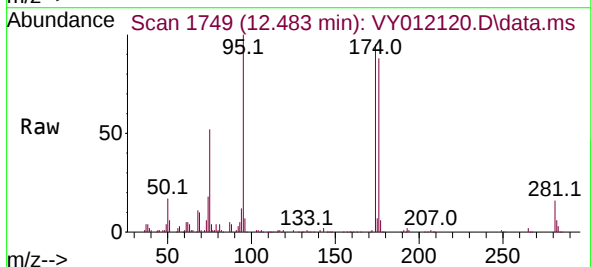
Instrument :
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72-11933

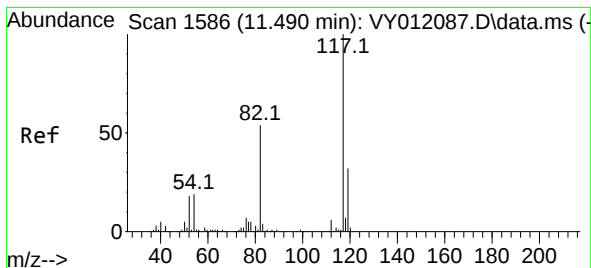
Tgt Ion: 98 Resp: 201544
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 41.100 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012120.D
Acq: 09 Jan 2023 18:54

Tgt Ion: 95 Resp: 63647
Ion Ratio Lower Upper
95 100
174 91.4 0.0 172.0
176 86.5 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY012120.D

Acq: 09 Jan 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

72-11933

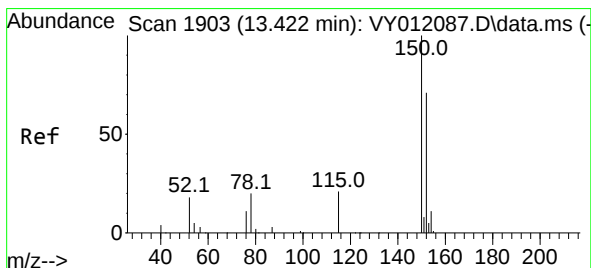
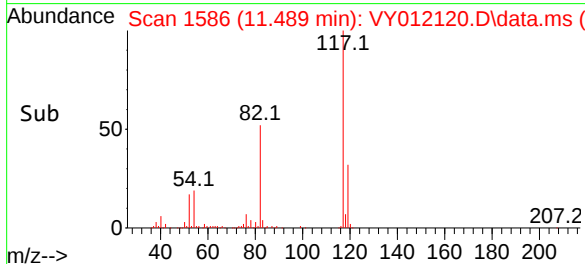
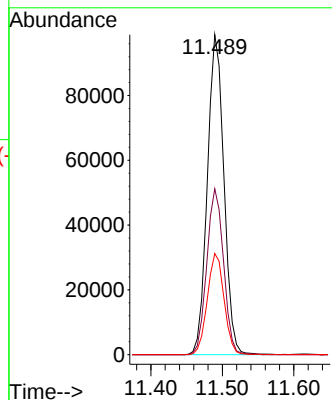
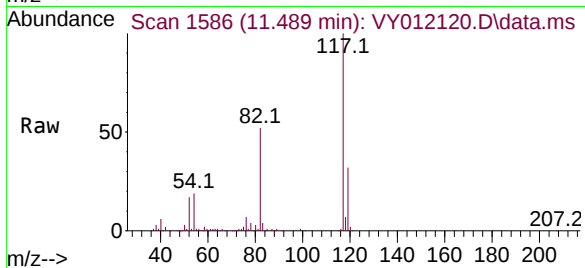
Tgt Ion:117 Resp: 159035

Ion Ratio Lower Upper

117 100

82 51.8 44.8 67.2

119 31.6 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: VY012120.D

Acq: 09 Jan 2023 18:54

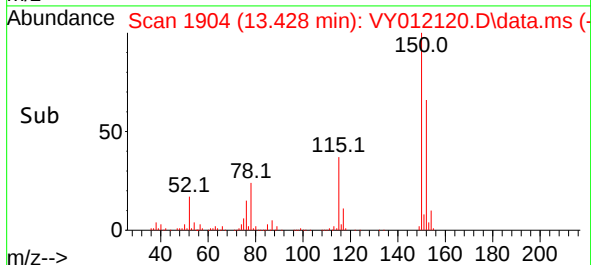
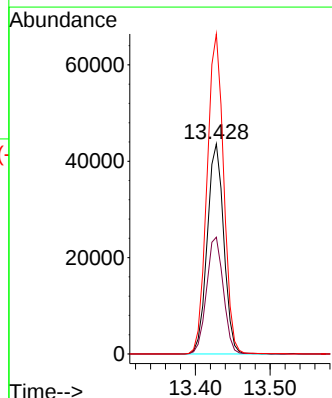
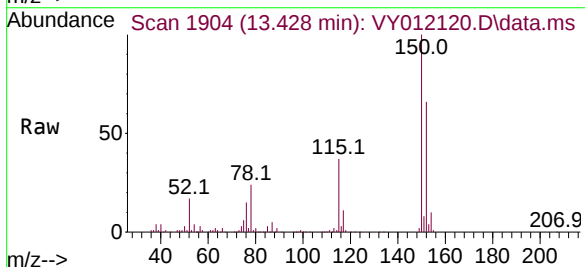
Tgt Ion:152 Resp: 66909

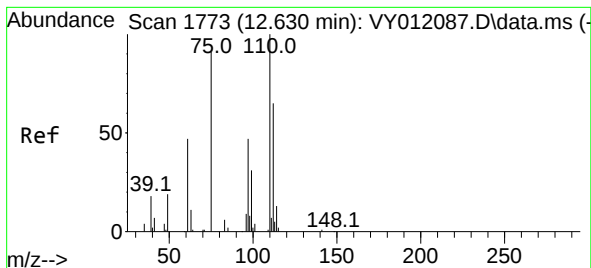
Ion Ratio Lower Upper

152 100

115 56.8 29.1 87.3

150 153.3 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 43.110 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012120.D

Acq: 09 Jan 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

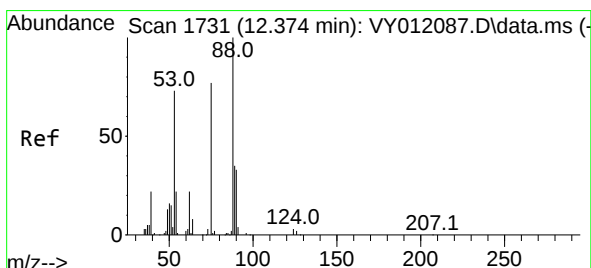
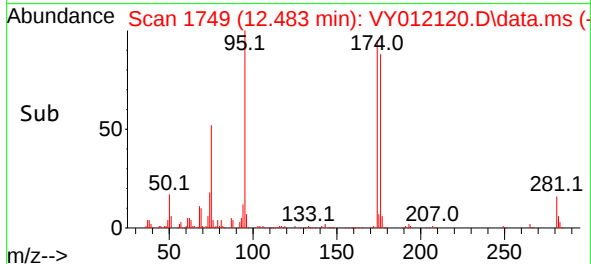
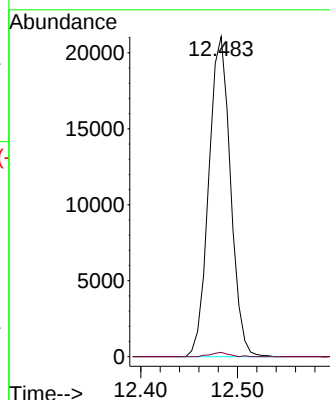
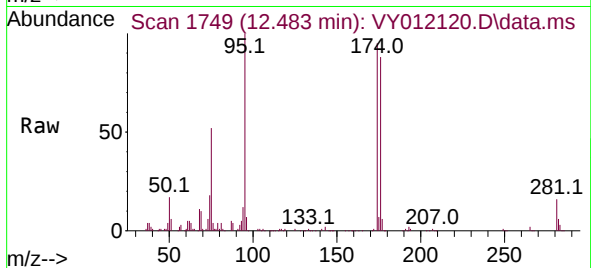
72-11933

Tgt Ion: 75 Resp: 32935

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.742 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.109 min

Lab File: VY012120.D

Acq: 09 Jan 2023 18:54

Tgt Ion: 75 Resp: 32935

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.1 37.0 55.4#

