

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013712.D
 Acq On : 11 May 2023 13:03
 Operator : KP/MD
 Sample : 02721-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Quant Time: May 12 04:41:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

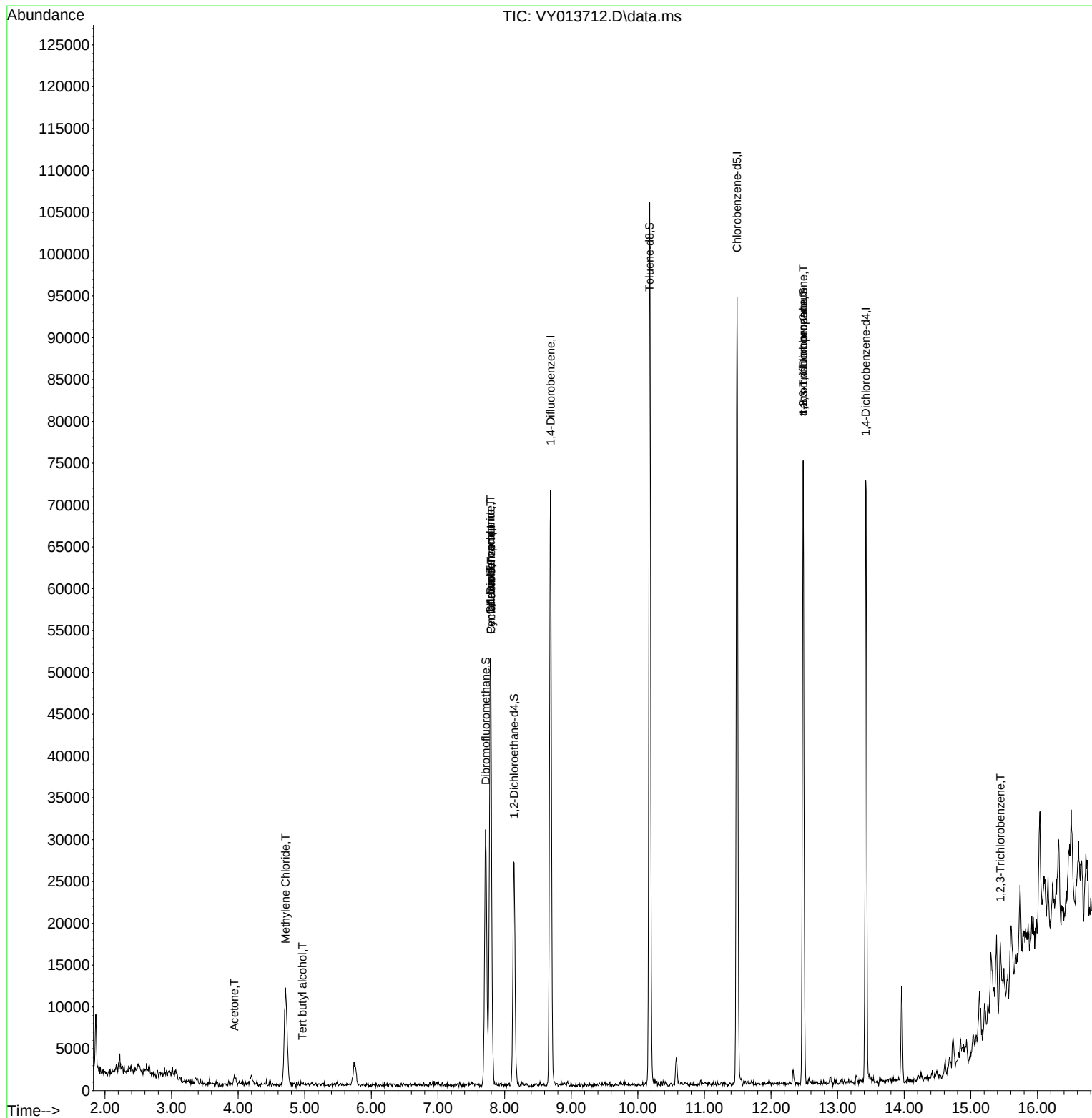
Internal Standards						
1) Pentafluorobenzene	7.795	168	40820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	59402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	51232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	19285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	22690	50.706	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.420%			
35) Dibromofluoromethane	7.716	113	20332	54.420	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.840%			
50) Toluene-d8	10.179	98	71174	53.551	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.100%			
62) 4-Bromofluorobenzene	12.483	95	17589	39.255	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.520%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.966	59	29	1.224	ug/l #	89
13) Acrolein	3.619	56	39	Below Cal	#	16
16) Acetone	3.942	43	1664	9.443	ug/l #	77
20) Methylene Chloride	4.710	84	7942	7.512	ug/l #	82
31) Cyclohexane	7.795	56	1219	1.522	ug/l #	68
36) 1,1-Dichloropropene	7.789	75	3055	4.927	ug/l #	51
38) Carbon Tetrachloride	7.789	117	4180	6.432	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	9863	37.923	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	9863	77.573	ug/l #	12
96) 1,2,3-Trichlorobenzene	15.446	180	843	2.609	ug/l #	26

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

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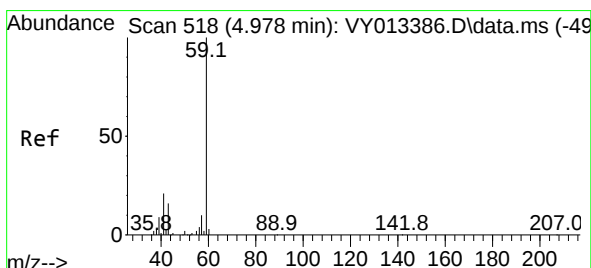
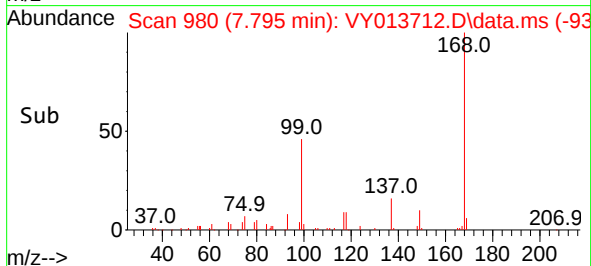
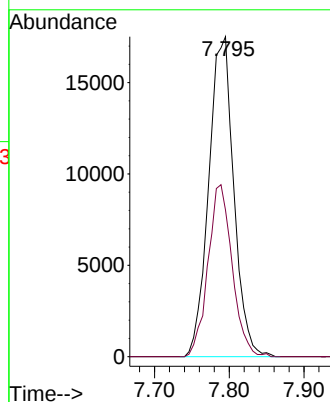
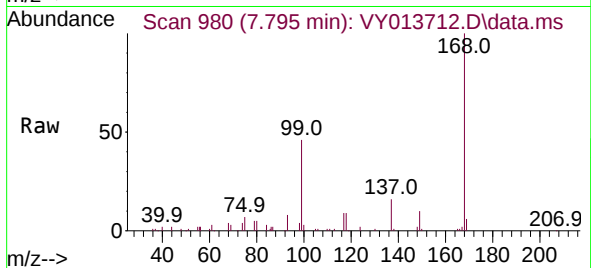




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013712.D
Acq: 11 May 2023 13:03

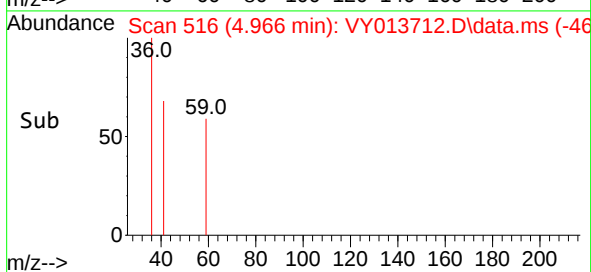
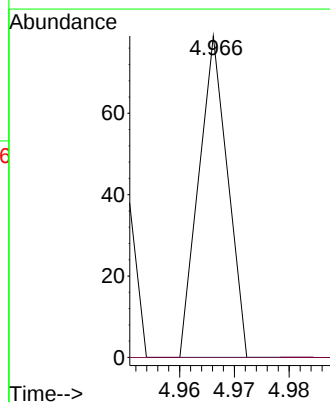
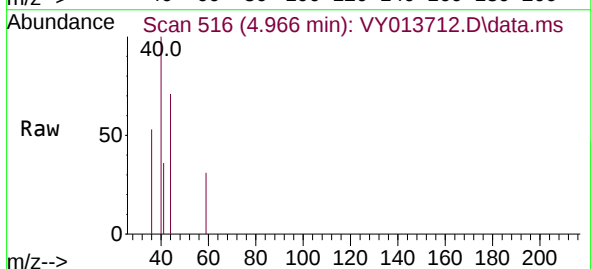
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

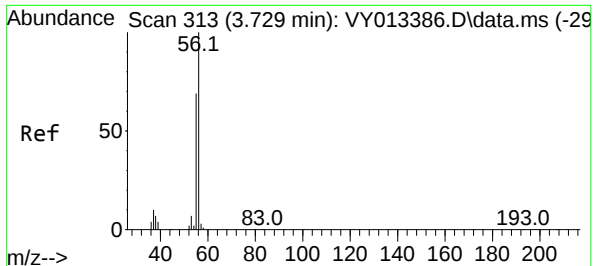
Tgt Ion:168 Resp: 40820
Ion Ratio Lower Upper
168 100
99 45.9 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.224 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY013712.D
Acq: 11 May 2023 13:03

Tgt Ion: 59 Resp: 29
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

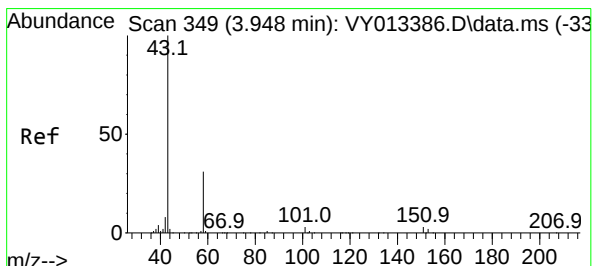
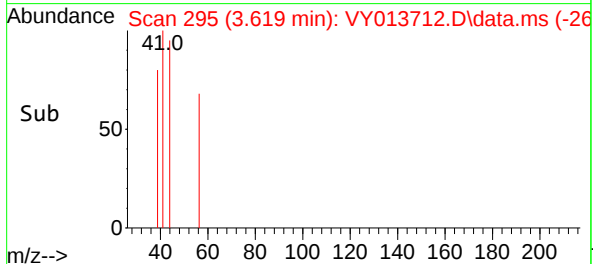
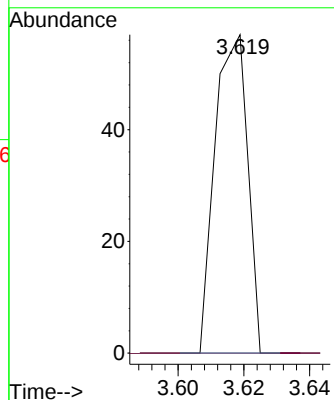
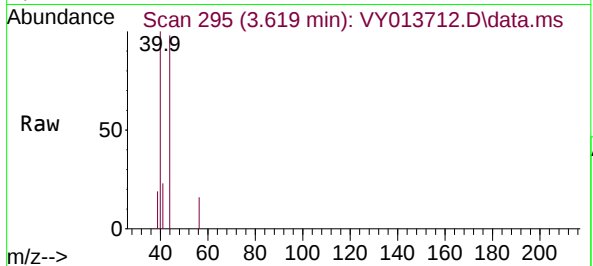




#13
Acrolein
Concen: Below Cal
RT: 3.619 min Scan# 24
Delta R.T. -0.110 min
Lab File: VY013712.D
Acq: 11 May 2023 13:03

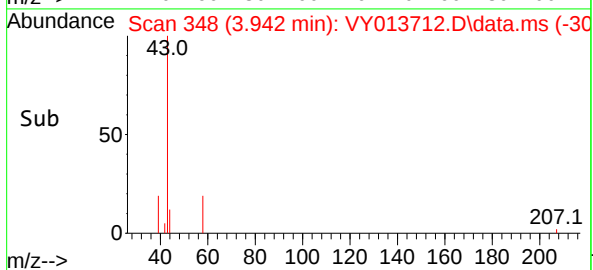
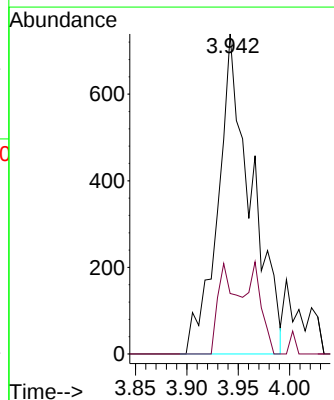
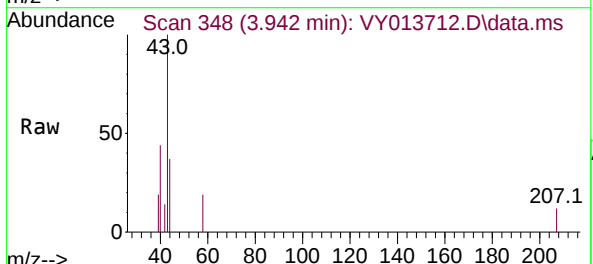
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

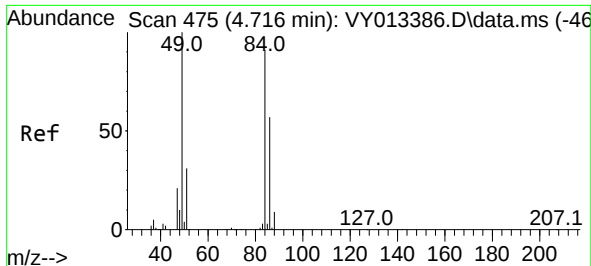
Tgt Ion: 56 Resp: 39
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 9.443 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY013712.D
Acq: 11 May 2023 13:03

Tgt Ion: 43 Resp: 1664
Ion Ratio Lower Upper
43 100
58 18.9 25.4 38.0#

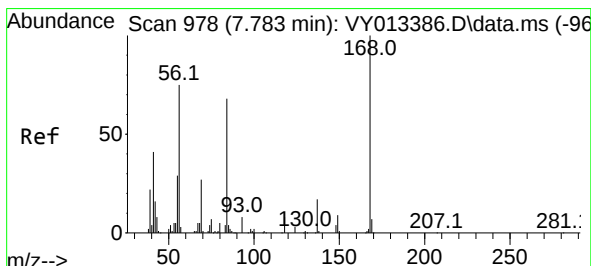
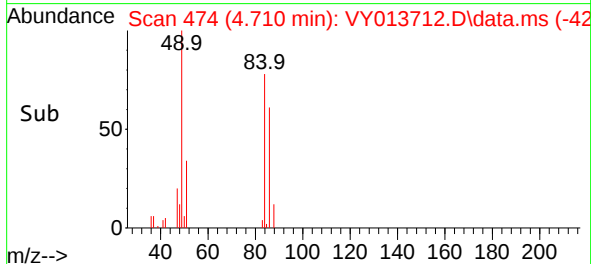
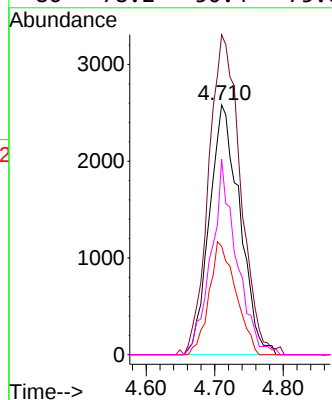
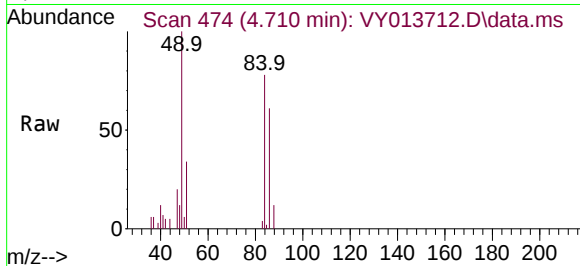




#20
Methylene Chloride
Concen: 7.512 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013712.D
Acq: 11 May 2023 13:03

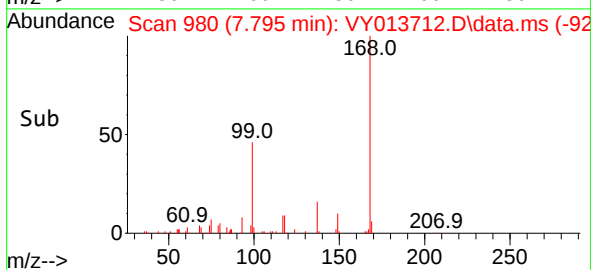
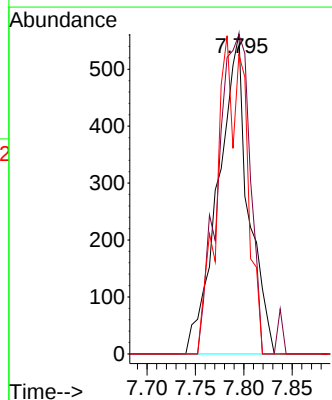
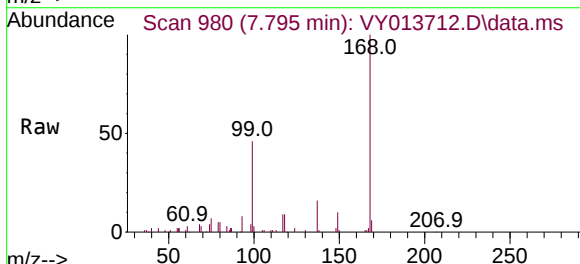
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

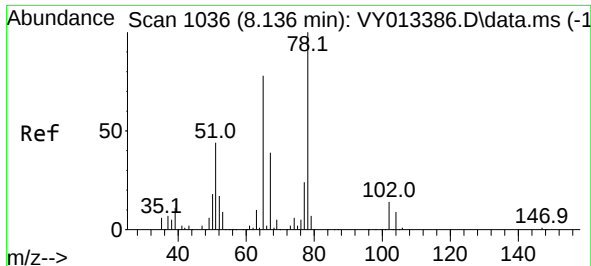
Tgt Ion:	84	Resp:	7942
Ion	Ratio	Lower	Upper
84	100		
49	128.1	88.0	132.0
51	43.4	27.4	41.0#
86	78.2	50.4	75.6#



#31
Cyclohexane
Concen: 1.522 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY013712.D
Acq: 11 May 2023 13:03

Tgt Ion:	56	Resp:	1219
Ion	Ratio	Lower	Upper
56	100		
69	99.8	29.2	43.8#
84	93.6	73.0	109.6





#33

1,2-Dichloroethane-d4

Concen: 50.706 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY013712.D

Acq: 11 May 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

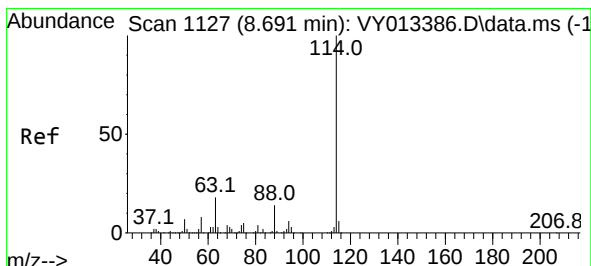
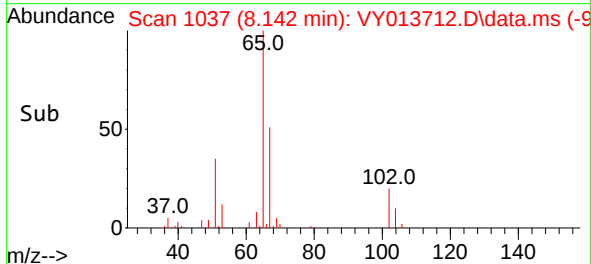
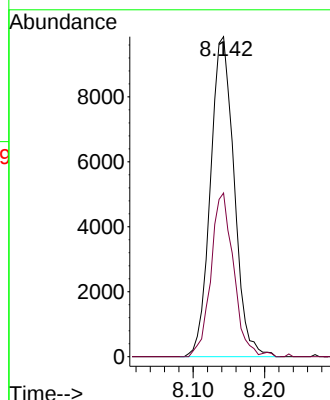
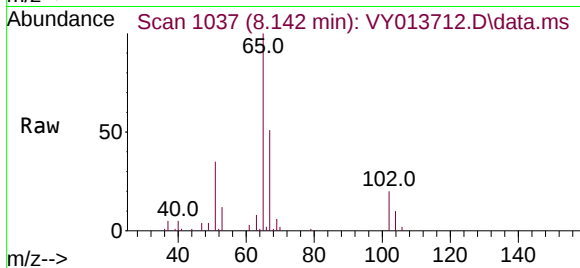
WC-1

Tgt Ion: 65 Resp: 22690

Ion Ratio Lower Upper

65 100

67 48.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013712.D

Acq: 11 May 2023 13:03

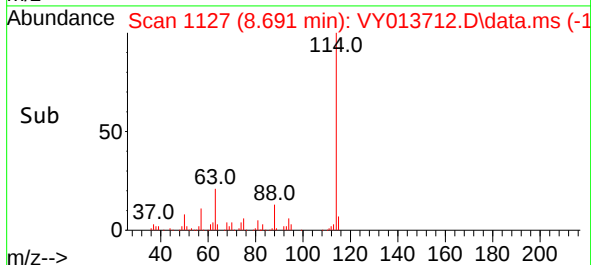
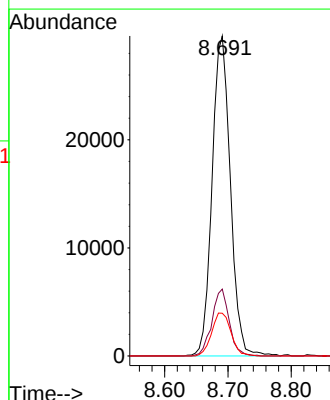
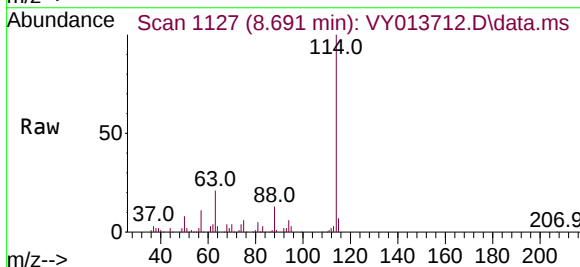
Tgt Ion: 114 Resp: 59402

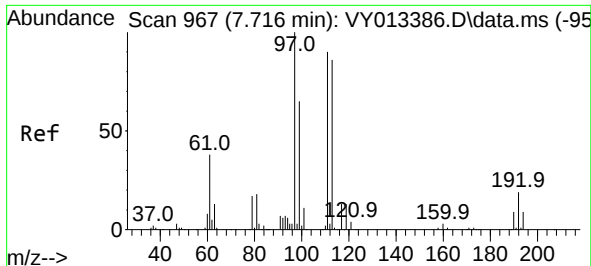
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.6

88 13.3 0.0 28.8

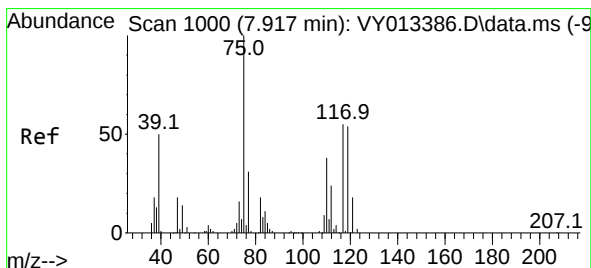
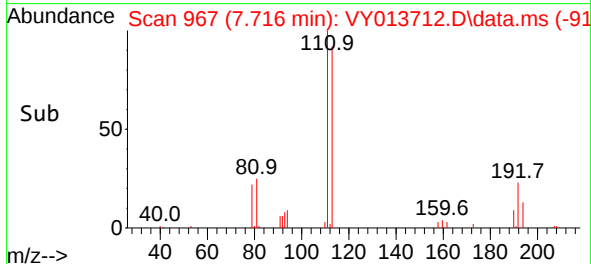
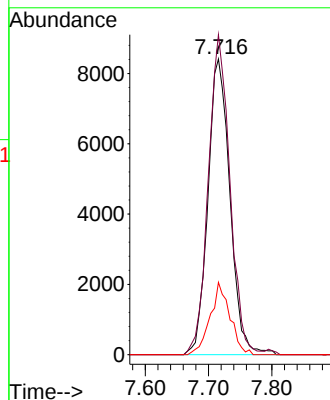
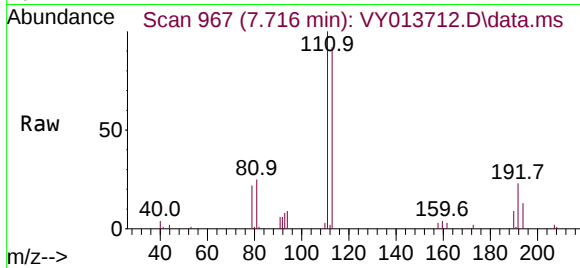




#35
Dibromofluoromethane
Concen: 54.420 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013712.D
Acq: 11 May 2023 13:03

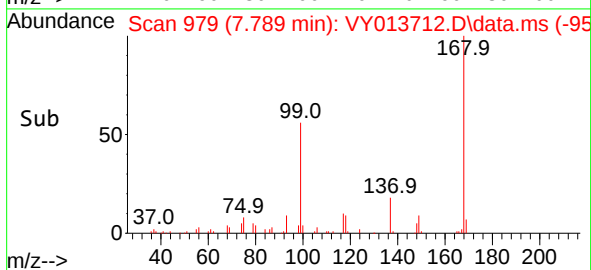
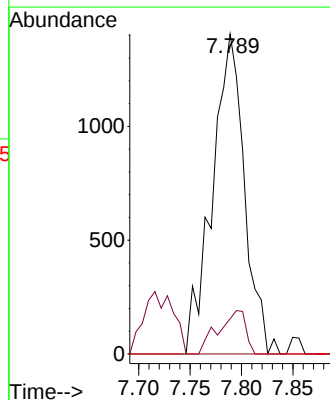
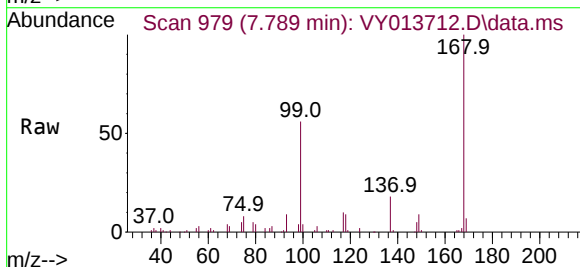
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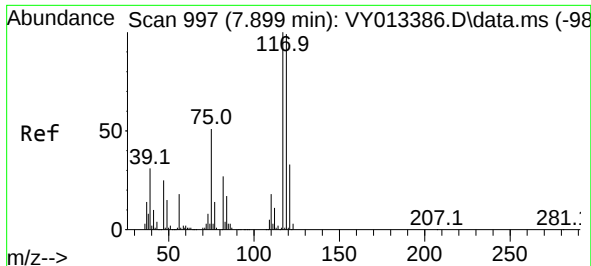
Tgt Ion:113 Resp: 20332
Ion Ratio Lower Upper
113 100
111 106.3 82.2 123.2
192 22.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.927 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013712.D
Acq: 11 May 2023 13:03

Tgt Ion: 75 Resp: 3055
Ion Ratio Lower Upper
75 100
110 11.6 18.7 56.1#
77 0.0 24.6 37.0#

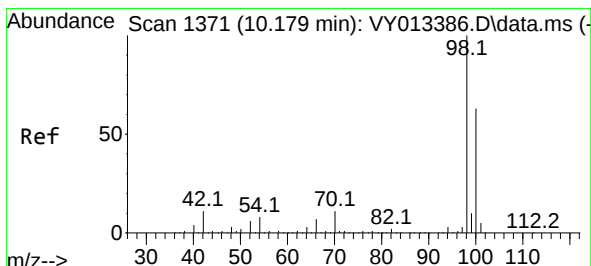
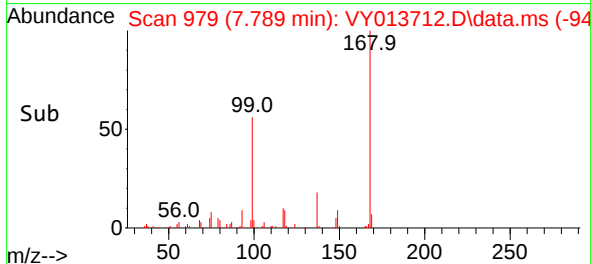
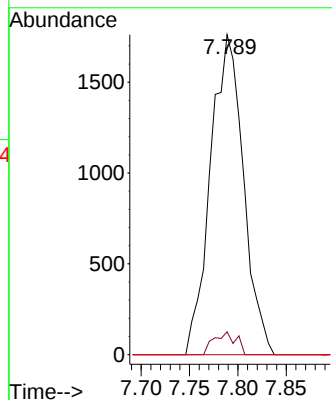
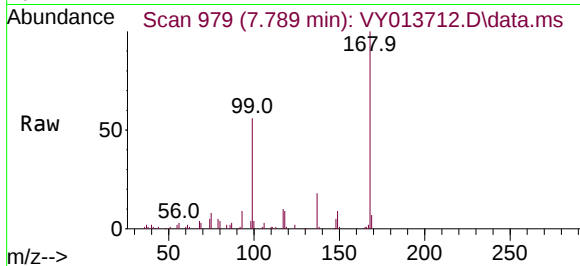




#38
Carbon Tetrachloride
Concen: 6.432 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013712.D
Acq: 11 May 2023 13:03

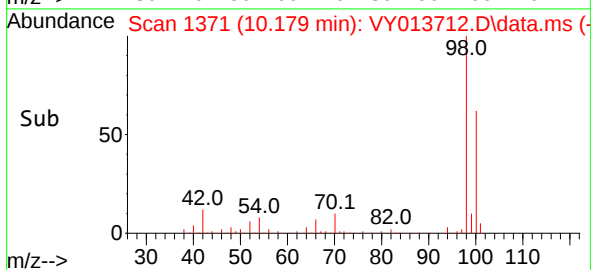
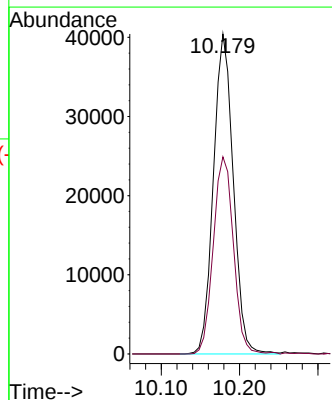
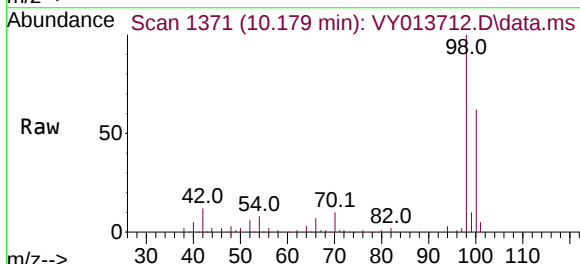
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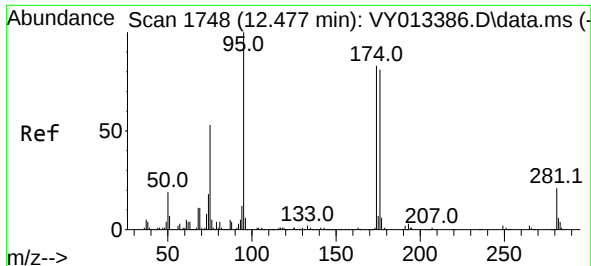
Tgt Ion:117 Resp: 4180
Ion Ratio Lower Upper
117 100
119 7.2 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 53.551 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013712.D
Acq: 11 May 2023 13:03

Tgt Ion: 98 Resp: 71174
Ion Ratio Lower Upper
98 100
100 62.5 50.5 75.7

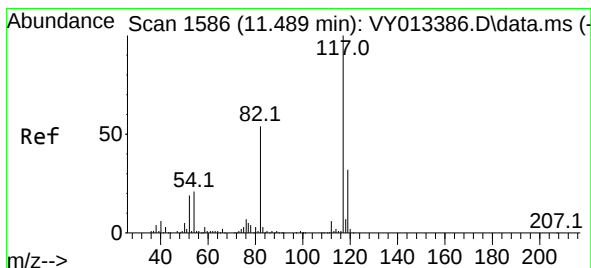
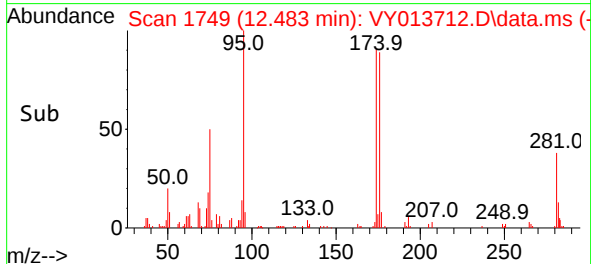
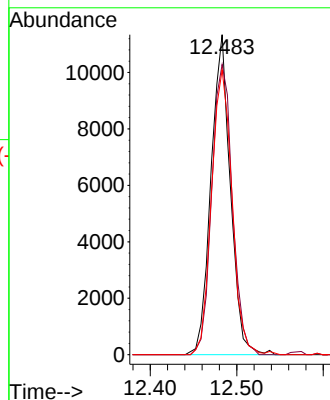
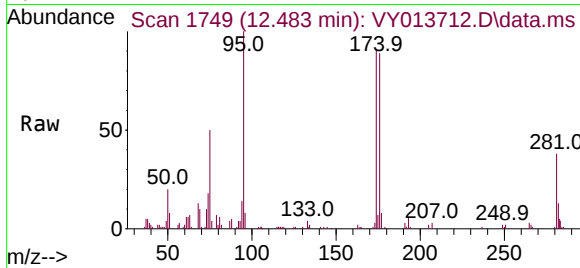




#62
4-Bromofluorobenzene
Concen: 39.255 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013712.D
Acq: 11 May 2023 13:03

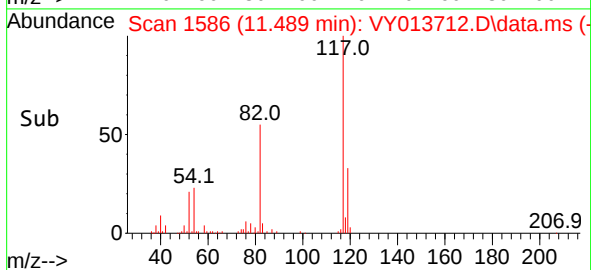
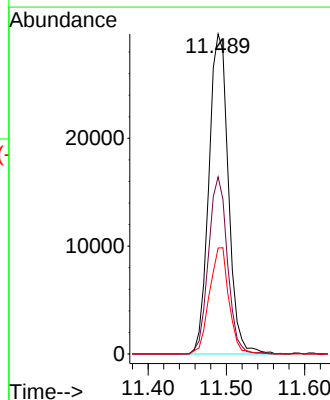
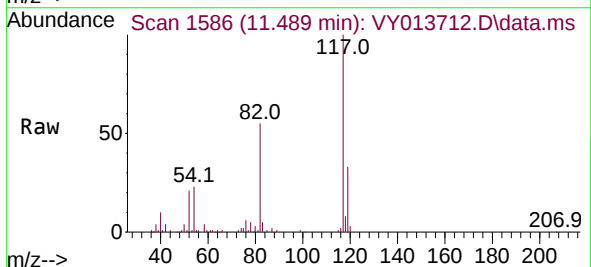
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

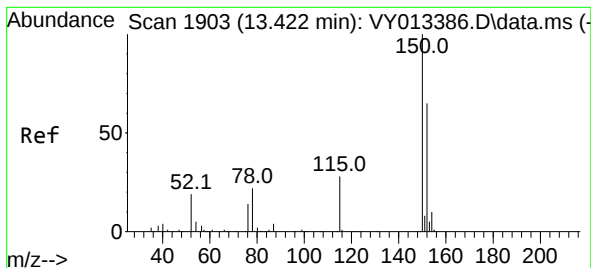
Tgt Ion: 95 Resp: 17589
Ion Ratio Lower Upper
95 100
174 96.2 0.0 182.0
176 94.1 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013712.D
Acq: 11 May 2023 13:03

Tgt Ion: 117 Resp: 51232
Ion Ratio Lower Upper
117 100
82 55.3 43.0 64.6
119 33.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY013712.D

Acq: 11 May 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

WC-1

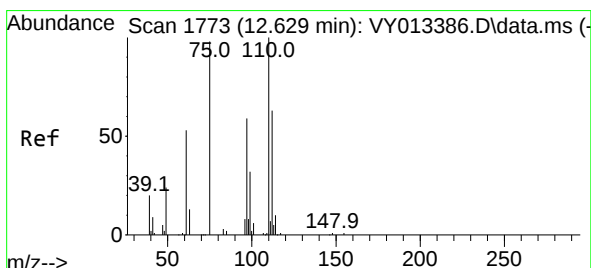
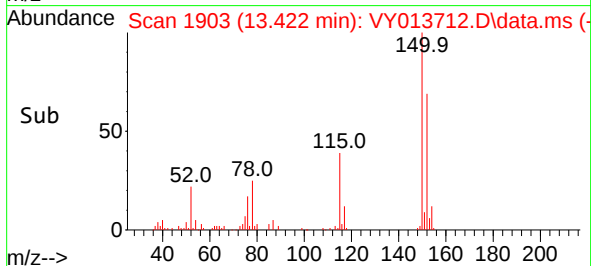
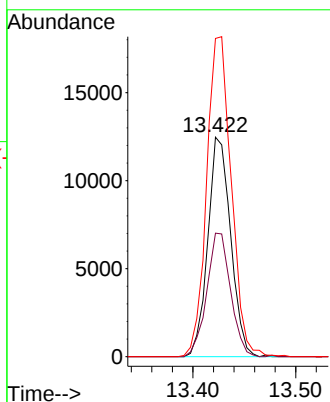
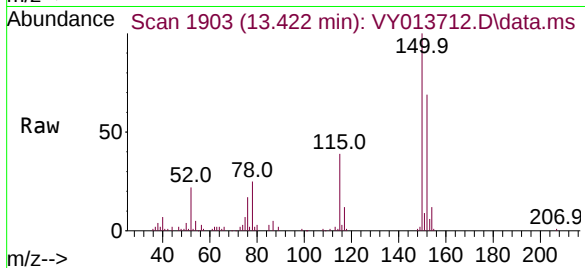
Tgt Ion:152 Resp: 19285

Ion Ratio Lower Upper

152 100

115 58.5 28.1 84.2

150 157.0 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 37.923 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013712.D

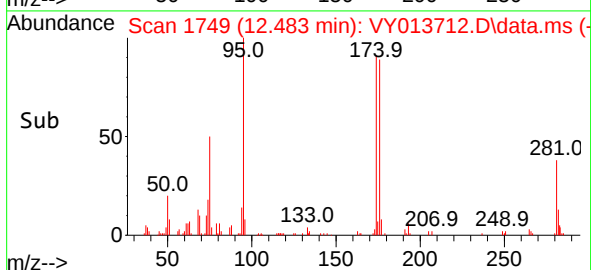
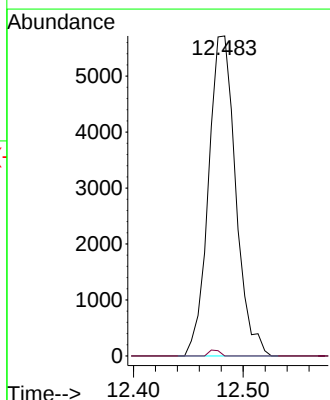
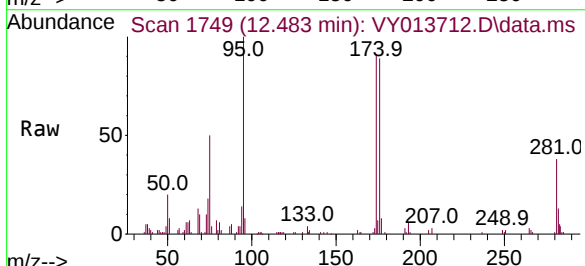
Acq: 11 May 2023 13:03

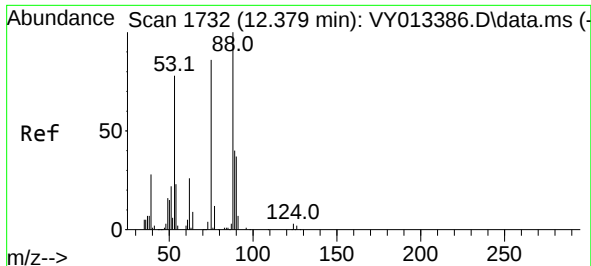
Tgt Ion: 75 Resp: 9863

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#

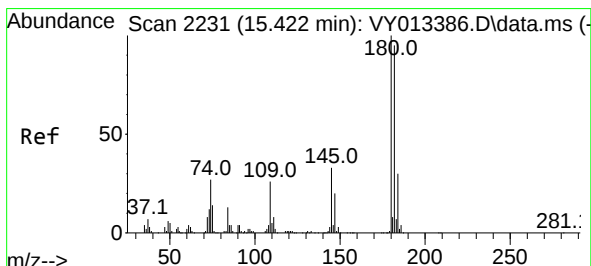
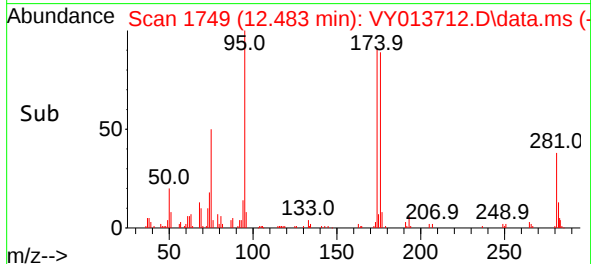
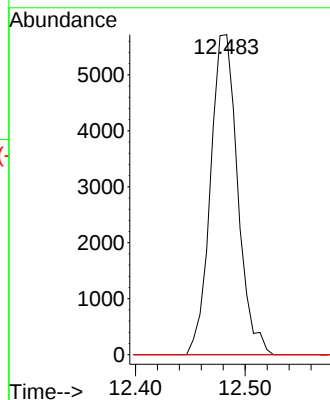
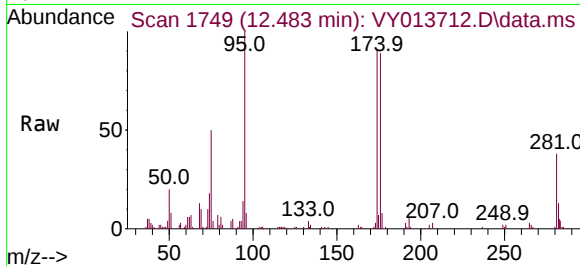




#81
trans-1,4-Dichloro-2-butene
Concen: 77.573 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013712.D
Acq: 11 May 2023 13:03

Instrument :
MSVOA_Y
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 9863
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.609 ug/l
RT: 15.446 min Scan# 2235
Delta R.T. 0.024 min
Lab File: VY013712.D
Acq: 11 May 2023 13:03

Tgt Ion: 180 Resp: 843
Ion Ratio Lower Upper
180 100
182 5.9 47.1 141.3#
145 18.9 15.9 47.7

