

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060223\
 Data File : VY013995.D
 Acq On : 02 Jun 2023 17:18
 Operator : KP/MD
 Sample : 03016-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP04

Quant Time: Jun 05 09:45:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

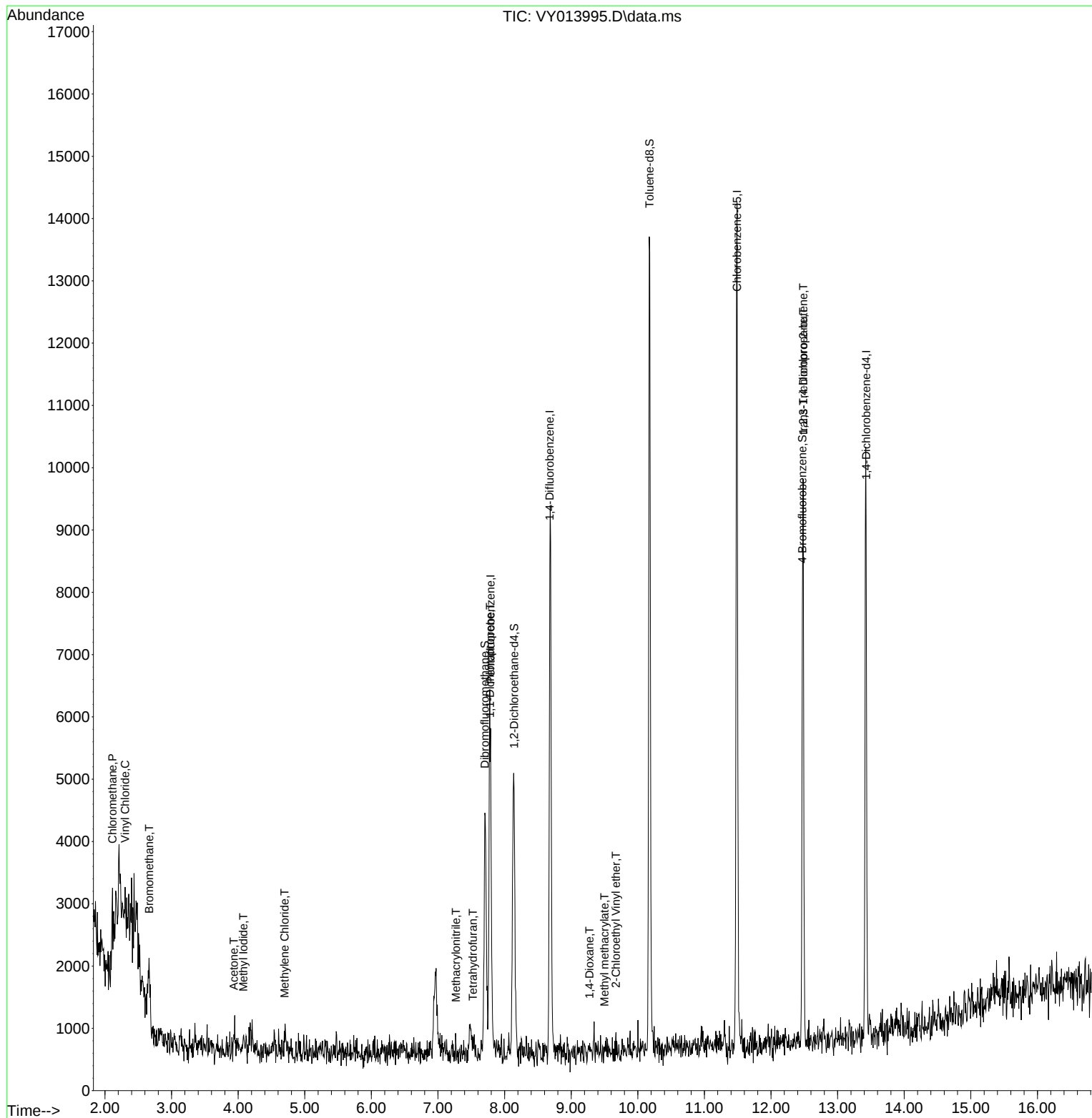
Internal Standards						
1) Pentafluorobenzene	7.789	168	4720	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.679	114	7574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	7501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	3860	61.778	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.560%	
35) Dibromofluoromethane	7.703	113	2813	58.441	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.880%	
50) Toluene-d8	10.179	98	8882	48.376	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.760%	
62) 4-Bromofluorobenzene	12.471	95	2596	41.474	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	717	12.465	ug/l	99
4) Vinyl Chloride	2.302	62	75	1.408	ug/l #	44
5) Bromomethane	2.662	94	421	9.073	ug/l	86
10) Methyl Iodide	4.076	142	181	3.035	ug/l #	52
16) Acetone	3.936	43	322	15.063	ug/l #	46
20) Methylene Chloride	4.698	84	333	1.918	ug/l #	32
29) Tetrahydrofuran	7.527	42	19	1.147	ug/l #	35
36) 1,1-Dichloropropene	7.783	75	387	5.643	ug/l #	41
41) Methacrylonitrile	7.271	41	60	2.171	ug/l #	17
48) Methyl methacrylate	9.502	41	99	2.161	ug/l #	13
49) 1,4-Dioxane	9.276	88	19	37.383	ug/l #	36
58) 2-Chloroethyl Vinyl ether	9.673	63	46	24.389	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	1429	43.414	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1429	92.103	ug/l #	10

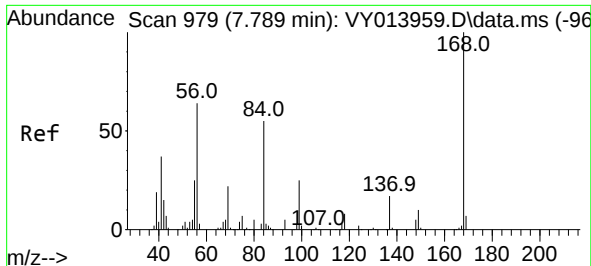
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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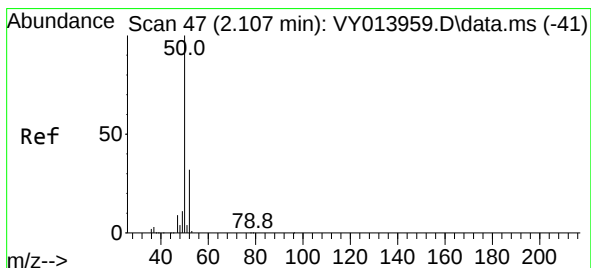
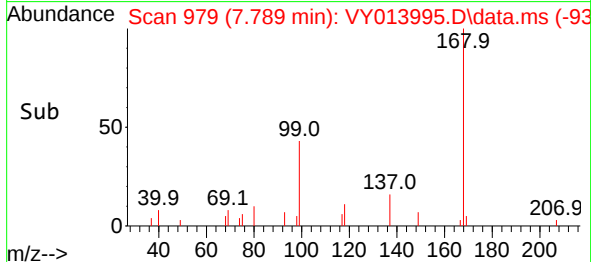
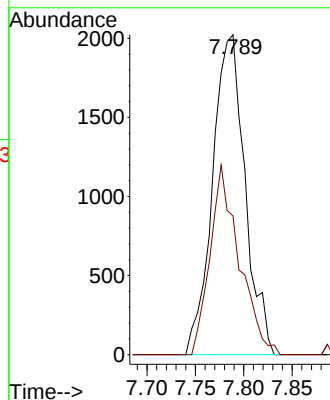
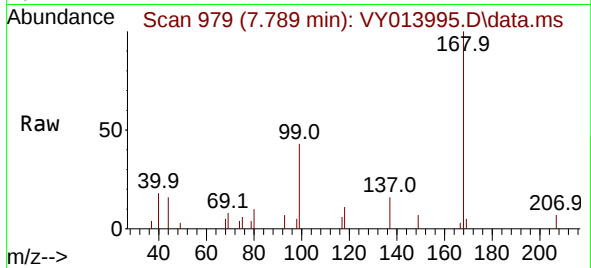




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013995.D
Acq: 02 Jun 2023 17:18

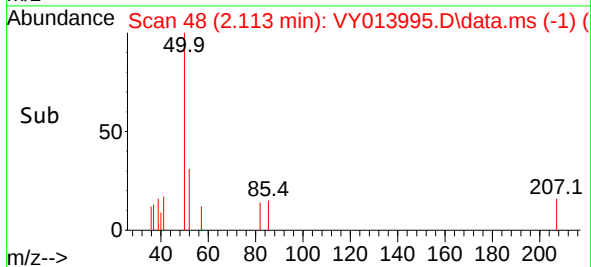
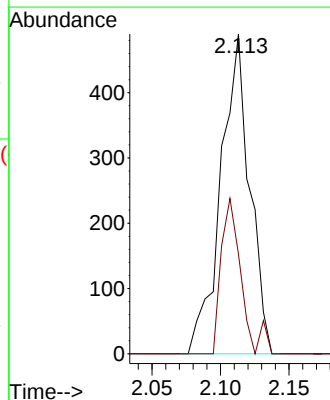
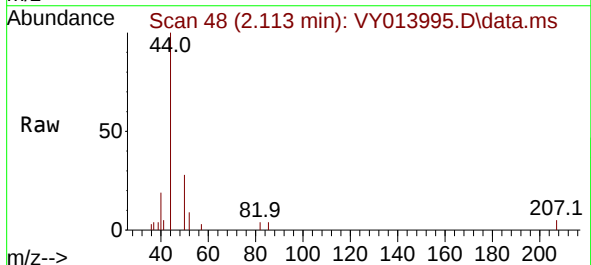
Instrument :
MSVOA_Y
ClientSampleId :
DUP04

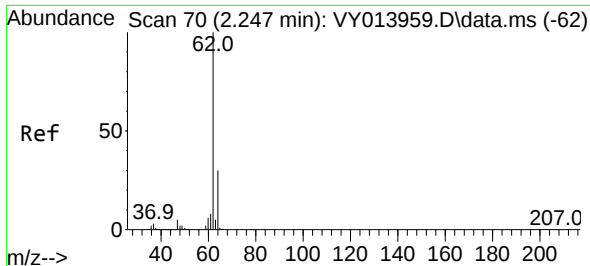
Tgt Ion:168 Resp: 4720
Ion Ratio Lower Upper
168 100
99 43.4 43.4 65.0#



#3
Chloromethane
Concen: 12.465 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY013995.D
Acq: 02 Jun 2023 17:18

Tgt Ion: 50 Resp: 717
Ion Ratio Lower Upper
50 100
52 31.2 25.4 38.2

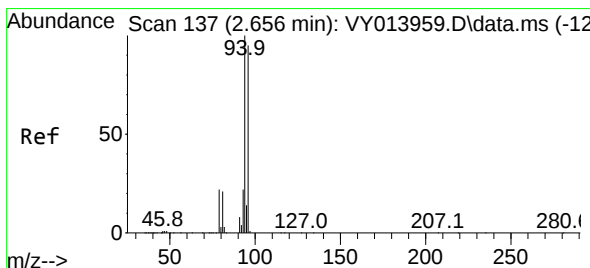
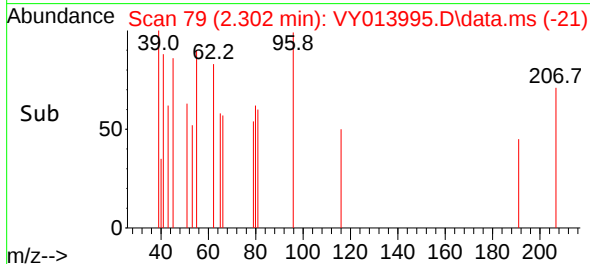
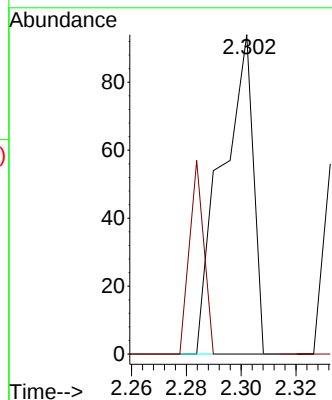
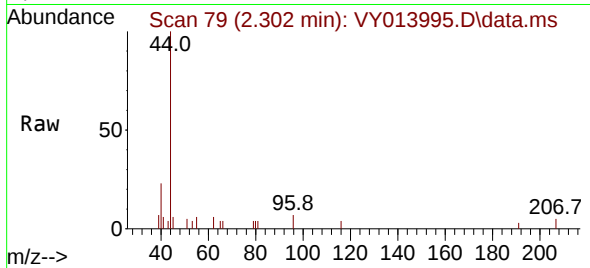




#4
 Vinyl Chloride
 Concen: 1.408 ug/l
 RT: 2.302 min Scan# 75
 Delta R.T. 0.055 min
 Lab File: VY013995.D
 Acq: 02 Jun 2023 17:18

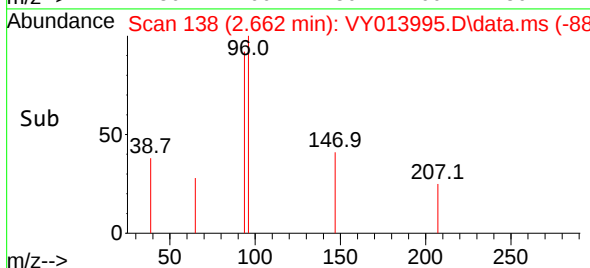
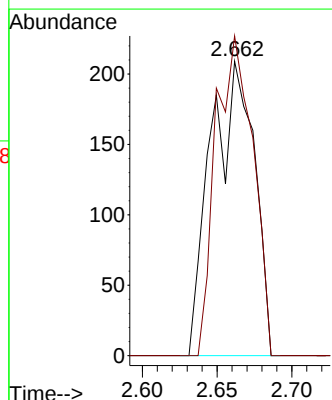
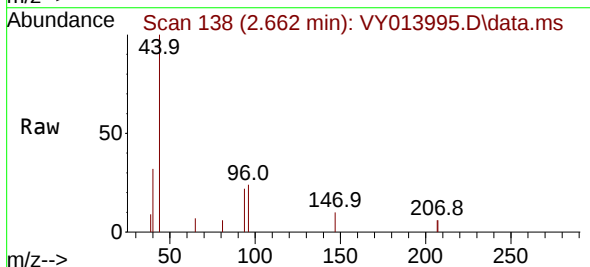
Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP04

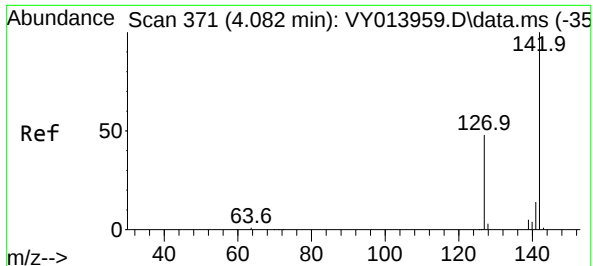
Tgt Ion: 62 Resp: 75
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.3 36.5#



#5
 Bromomethane
 Concen: 9.073 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.006 min
 Lab File: VY013995.D
 Acq: 02 Jun 2023 17:18

Tgt Ion: 94 Resp: 421
 Ion Ratio Lower Upper
 94 100
 96 108.6 75.8 113.6





#10

Methyl Iodide

Concen: 3.035 ug/l

RT: 4.076 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY013995.D

Acq: 02 Jun 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

DUP04

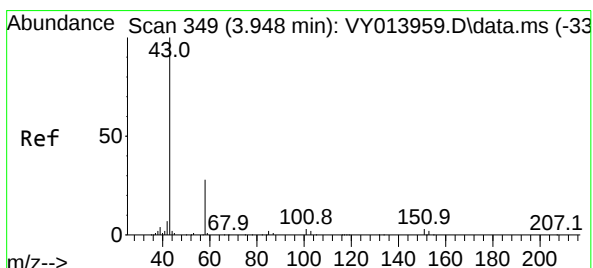
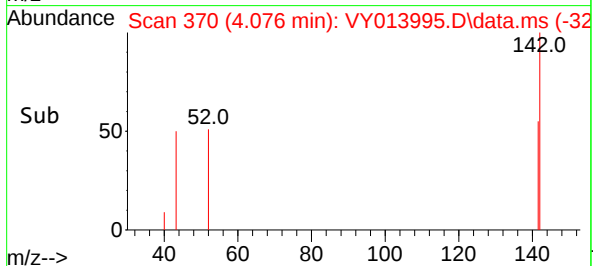
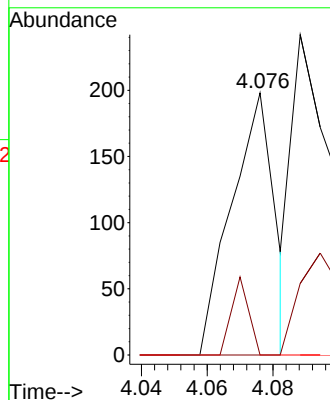
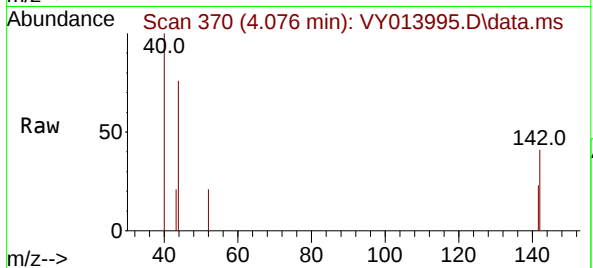
Tgt Ion:142 Resp: 181

Ion Ratio Lower Upper

142 100

127 12.2 37.6 56.4#

141 0.0 11.8 17.8#



#16

Acetone

Concen: 15.063 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.012 min

Lab File: VY013995.D

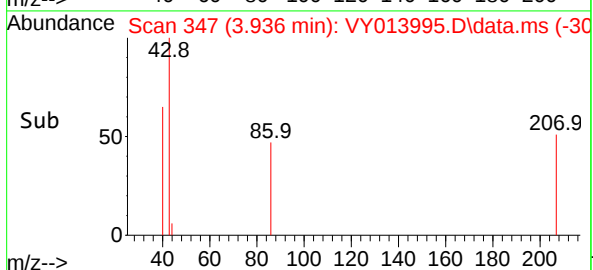
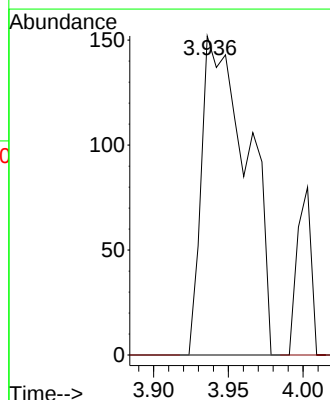
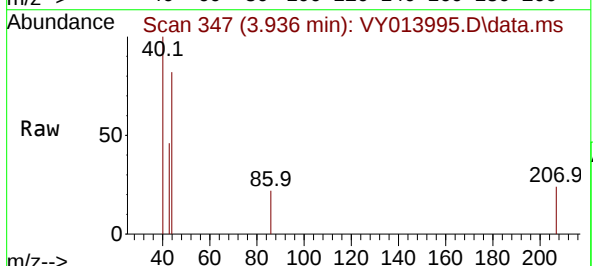
Acq: 02 Jun 2023 17:18

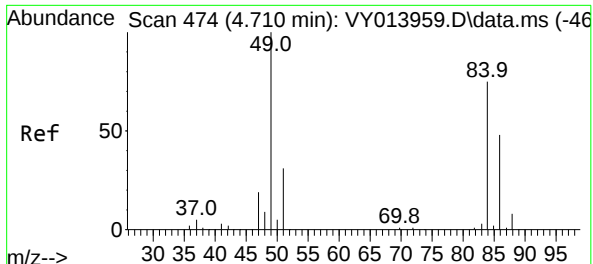
Tgt Ion: 43 Resp: 322

Ion Ratio Lower Upper

43 100

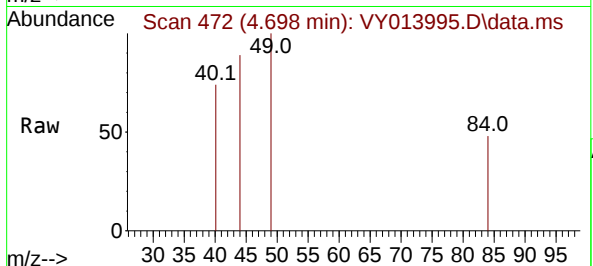
58 0.0 22.7 34.1#



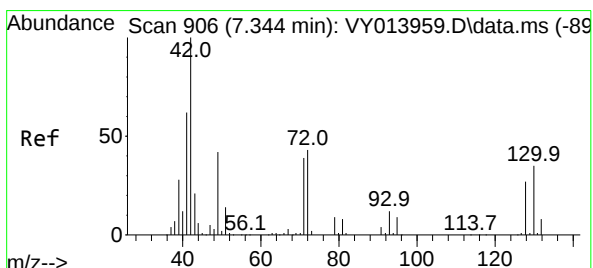
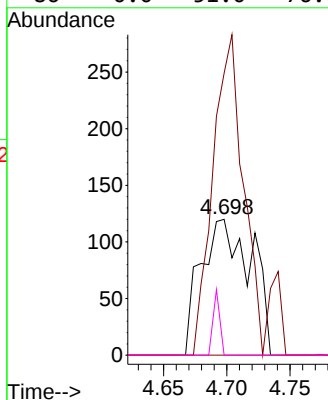
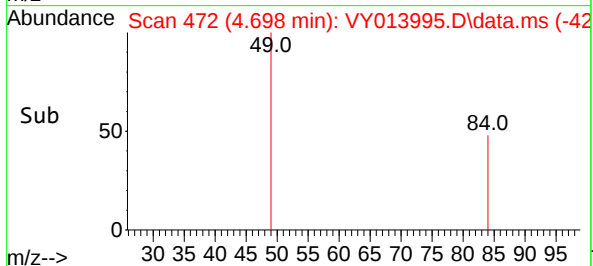


#20
Methylene Chloride
Concen: 1.918 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013995.D
Acq: 02 Jun 2023 17:18

Instrument :
MSVOA_Y
ClientSampleId :
DUP04

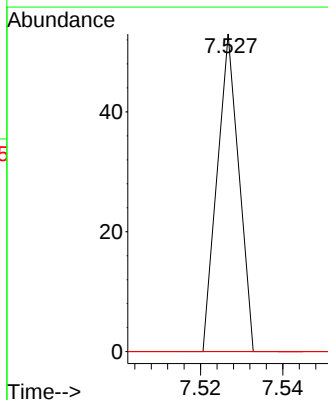
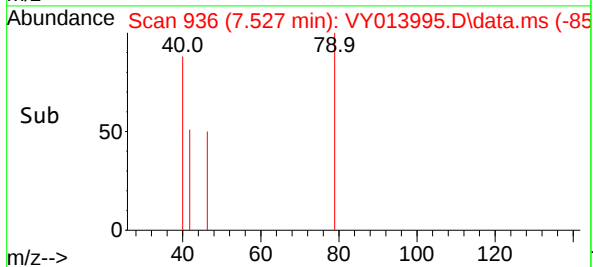
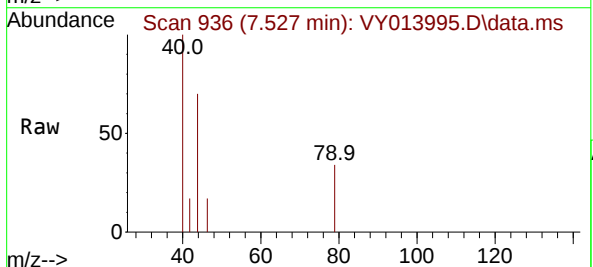


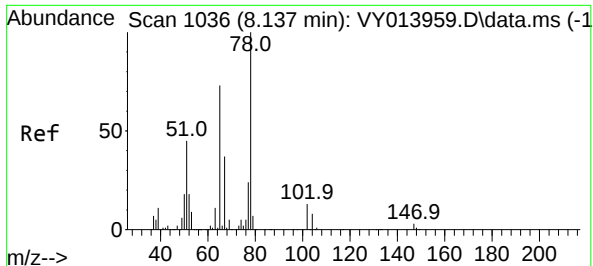
Tgt Ion:	84	Resp:	333
Ion	Ratio	Lower	Upper
84	100		
49	207.5	106.9	160.3#
51	0.0	33.2	49.8#
86	0.0	51.0	76.6#



#29
Tetrahydrofuran
Concen: 1.147 ug/l
RT: 7.527 min Scan# 936
Delta R.T. 0.183 min
Lab File: VY013995.D
Acq: 02 Jun 2023 17:18

Tgt Ion:	42	Resp:	19
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	0.0	31.0	46.4#





#33

1,2-Dichloroethane-d4

Concen: 61.778 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY013995.D

Acq: 02 Jun 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

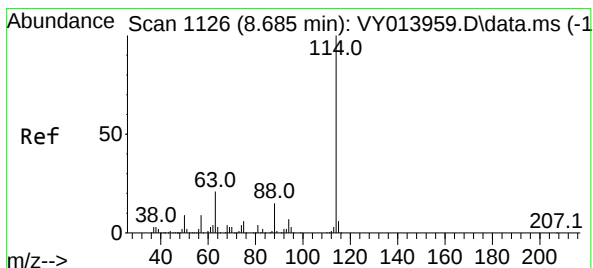
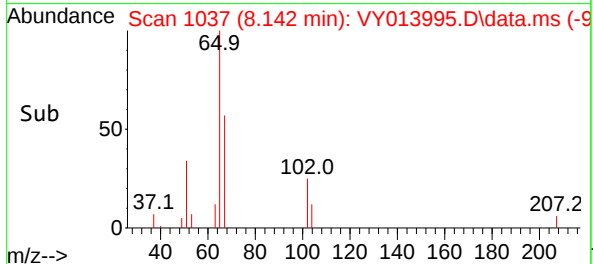
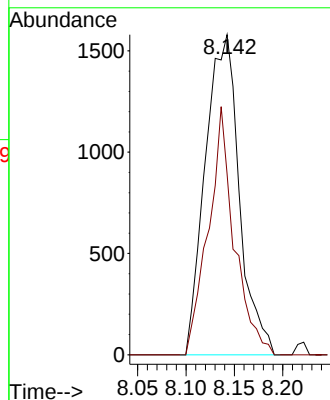
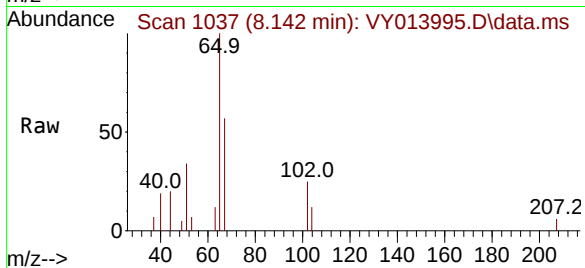
DUP04

Tgt Ion: 65 Resp: 3860

Ion Ratio Lower Upper

65 100

67 59.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VY013995.D

Acq: 02 Jun 2023 17:18

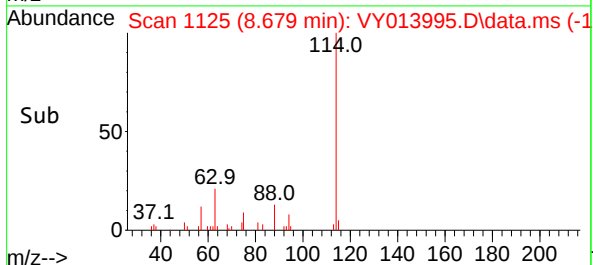
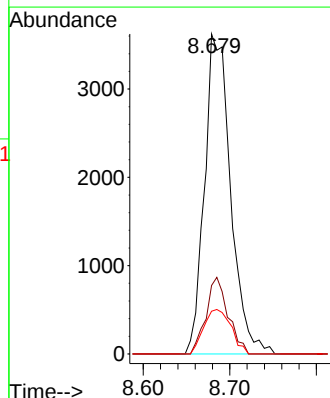
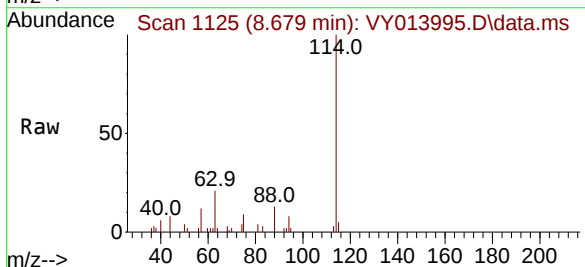
Tgt Ion: 114 Resp: 7574

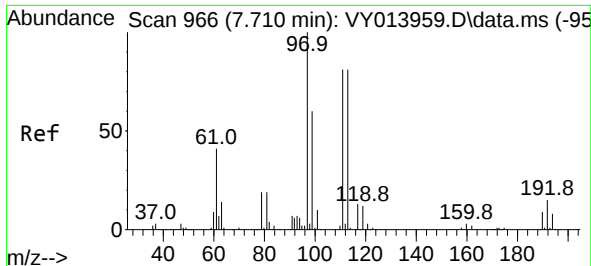
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 13.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 58.441 ug/l

RT: 7.703 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY013995.D

Acq: 02 Jun 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

DUP04

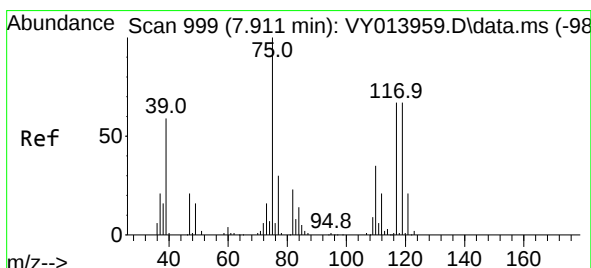
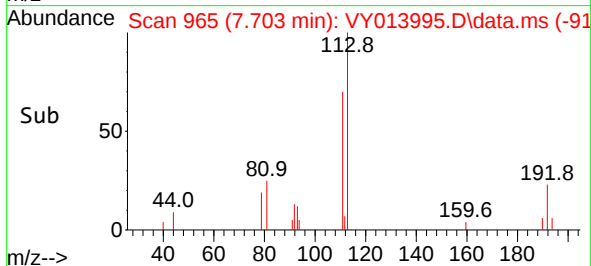
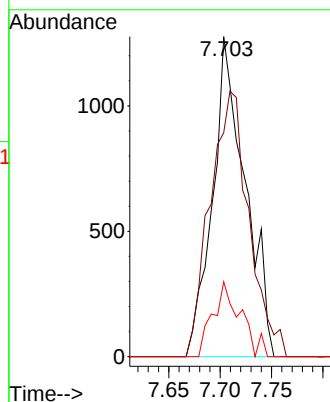
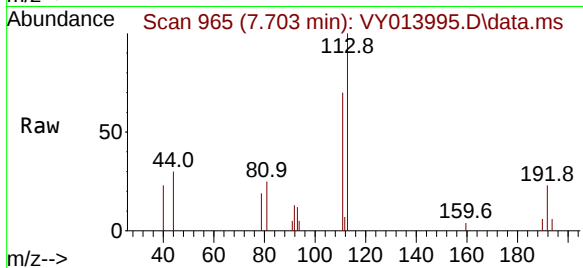
Tgt Ion:113 Resp: 2813

Ion Ratio Lower Upper

113 100

111 98.6 81.3 121.9

192 20.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.643 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY013995.D

Acq: 02 Jun 2023 17:18

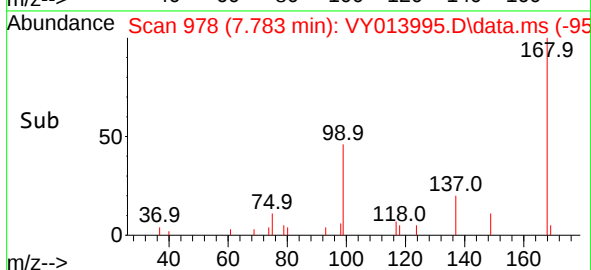
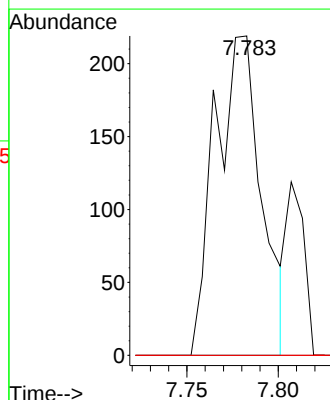
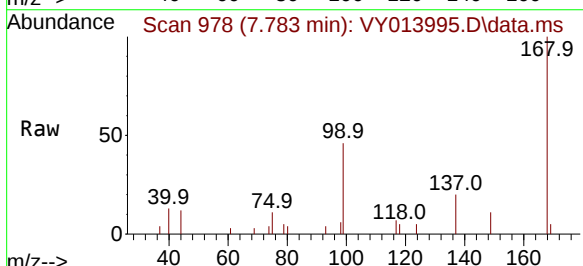
Tgt Ion: 75 Resp: 387

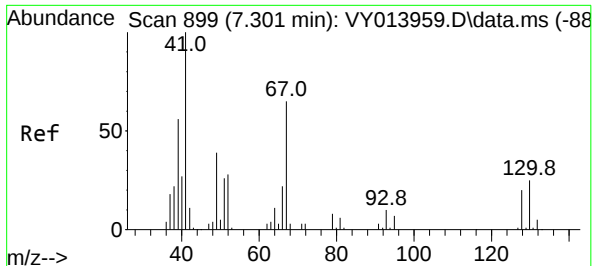
Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

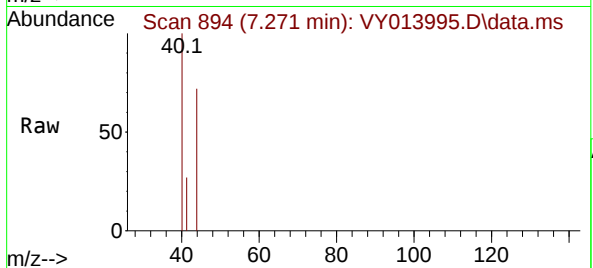
77 0.0 24.4 36.6#



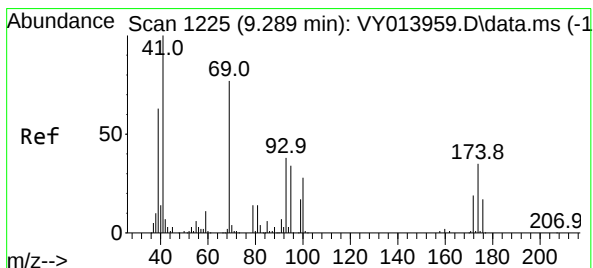
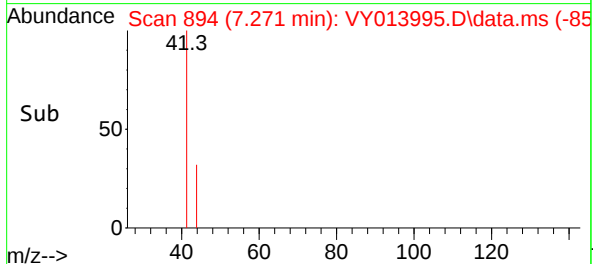
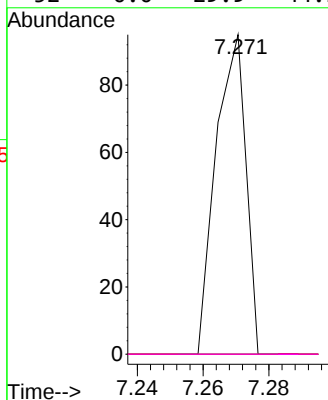


#41
Methacrylonitrile
Concen: 2.171 ug/l
RT: 7.271 min Scan# 899
Delta R.T. -0.031 min
Lab File: VY013995.D
Acq: 02 Jun 2023 17:18

Instrument :
MSVOA_Y
ClientSampleId :
DUP04

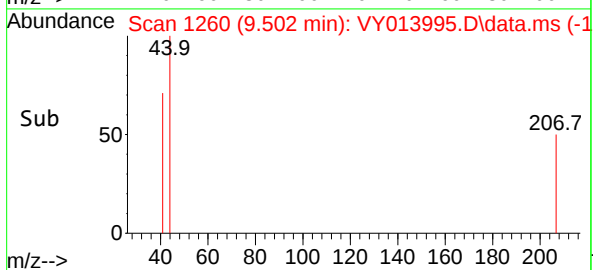
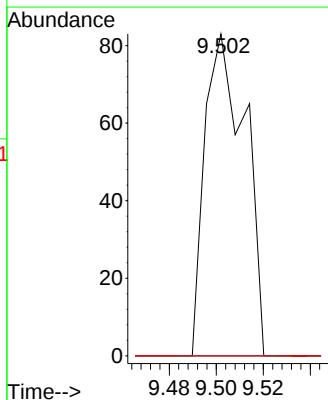
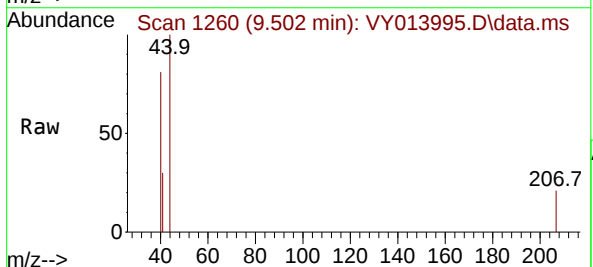


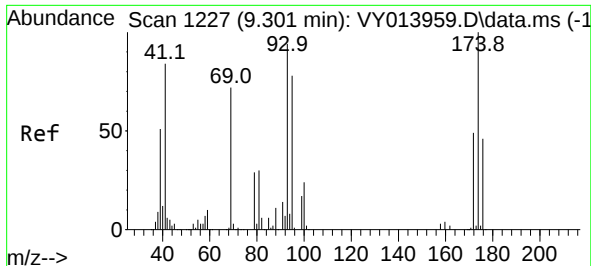
Tgt Ion:	41	Resp:	60
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.1	78.1#
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#



#48
Methyl methacrylate
Concen: 2.161 ug/l
RT: 9.502 min Scan# 1260
Delta R.T. 0.213 min
Lab File: VY013995.D
Acq: 02 Jun 2023 17:18

Tgt Ion:	41	Resp:	99
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.5	96.7#
39	0.0	50.8	76.2#





#49

1,4-Dioxane

Concen: 37.383 ug/l

RT: 9.276 min Scan# 1223

Delta R.T. -0.025 min

Lab File: VY013995.D

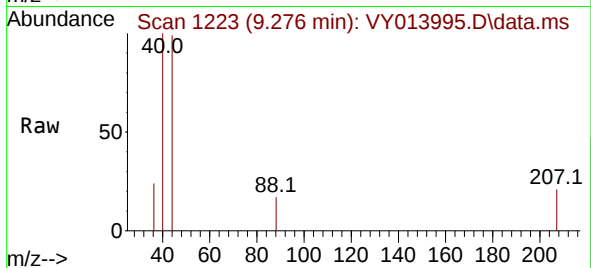
Acq: 02 Jun 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

DUP04



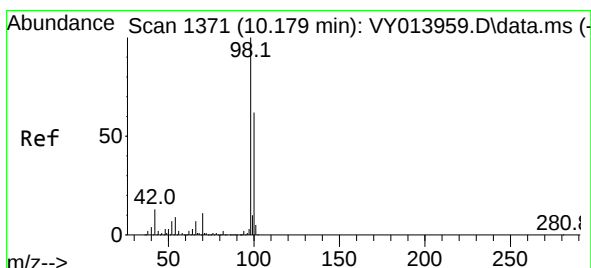
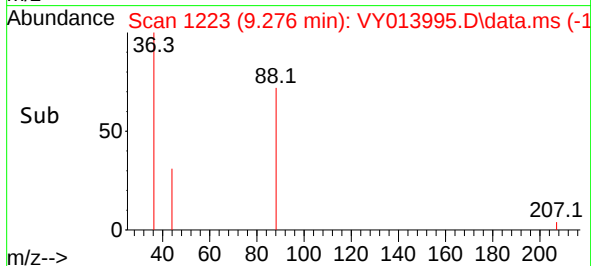
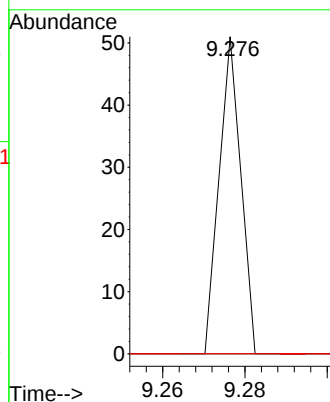
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 30.9 46.3#



#50

Toluene-d8

Concen: 48.376 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013995.D

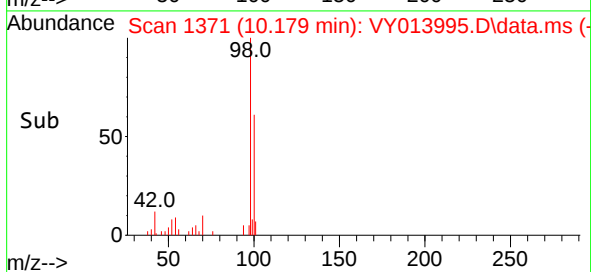
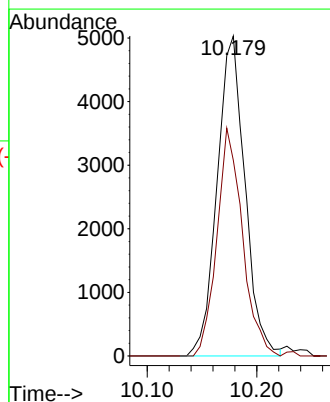
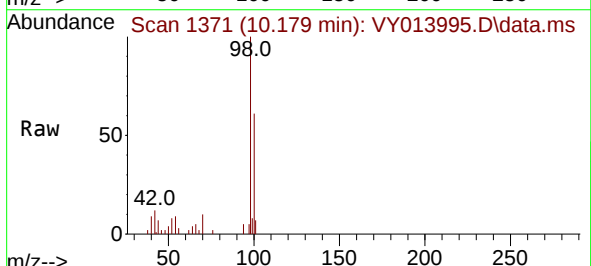
Acq: 02 Jun 2023 17:18

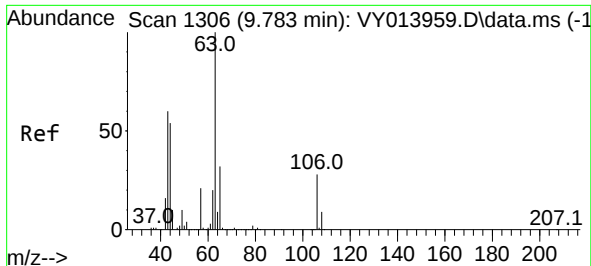
Tgt Ion: 98 Resp: 8882

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1





#58

2-Chloroethyl Vinyl ether

Concen: 24.389 ug/l

RT: 9.673 min Scan# 11

Delta R.T. -0.110 min

Lab File: VY013995.D

Acq: 02 Jun 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

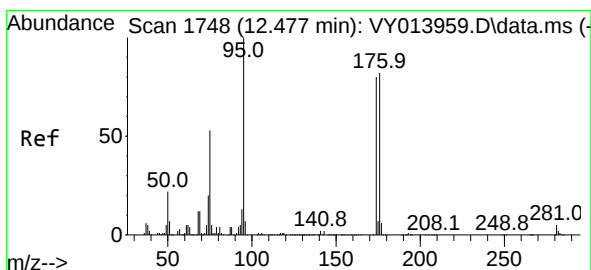
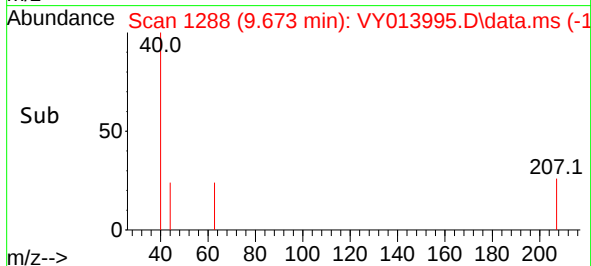
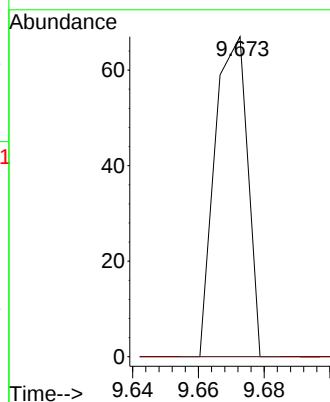
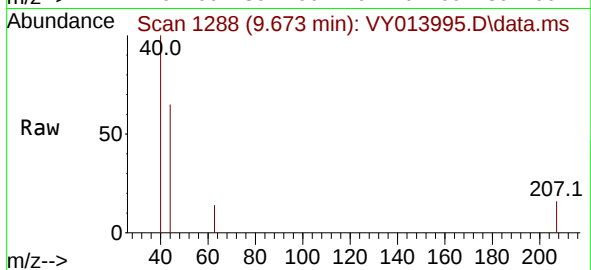
DUP04

Tgt Ion: 63 Resp: 46

Ion Ratio Lower Upper

63 100

106 0.0 21.2 31.8#



#62

4-Bromofluorobenzene

Concen: 41.474 ug/l

RT: 12.471 min Scan# 1747

Delta R.T. -0.006 min

Lab File: VY013995.D

Acq: 02 Jun 2023 17:18

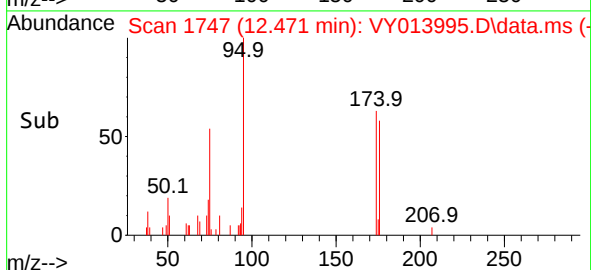
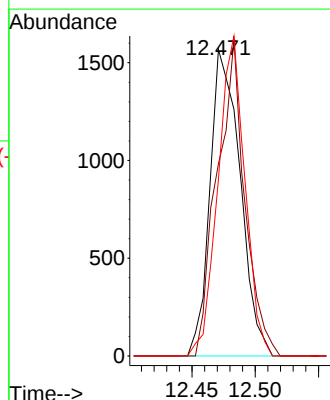
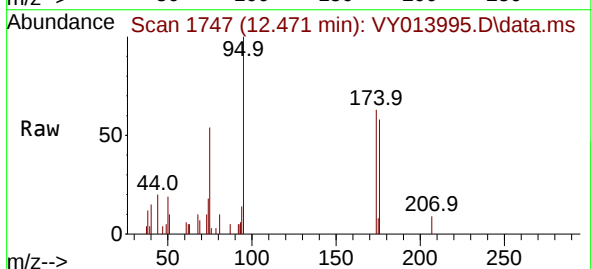
Tgt Ion: 95 Resp: 2596

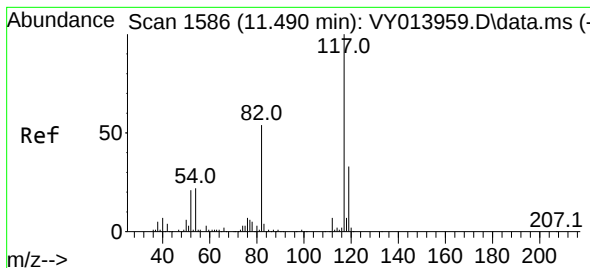
Ion Ratio Lower Upper

95 100

174 95.0 0.0 178.2

176 93.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013995.D

Acq: 02 Jun 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

DUP04

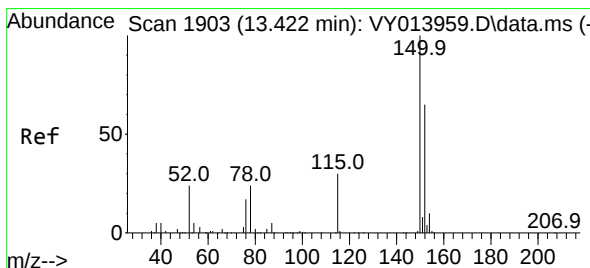
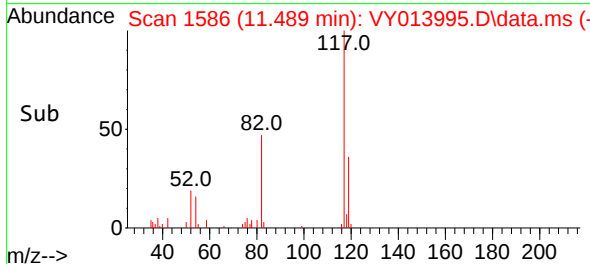
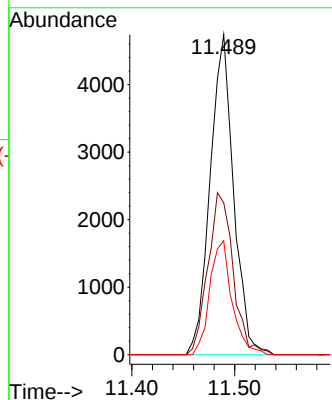
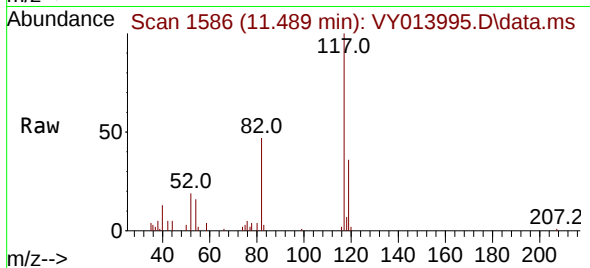
Tgt Ion:117 Resp: 7501

Ion Ratio Lower Upper

117 100

82 47.4 43.4 65.0

119 35.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013995.D

Acq: 02 Jun 2023 17:18

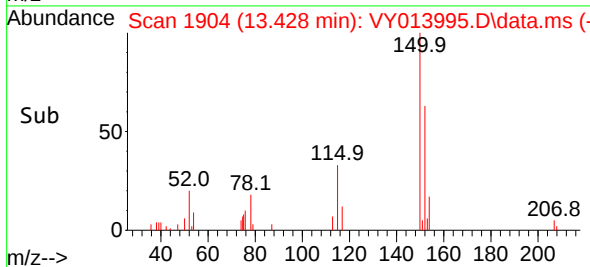
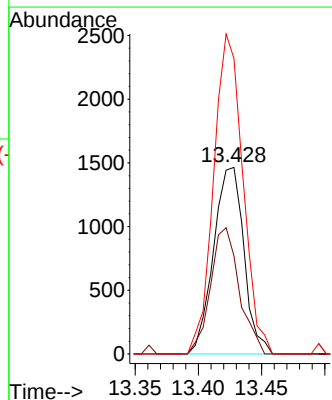
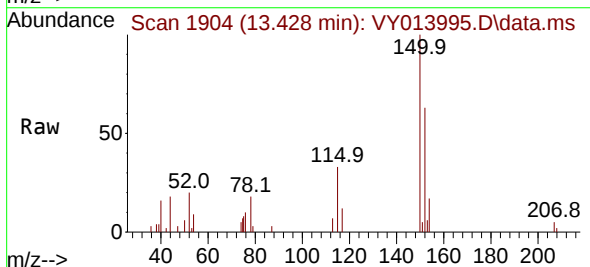
Tgt Ion:152 Resp: 2446

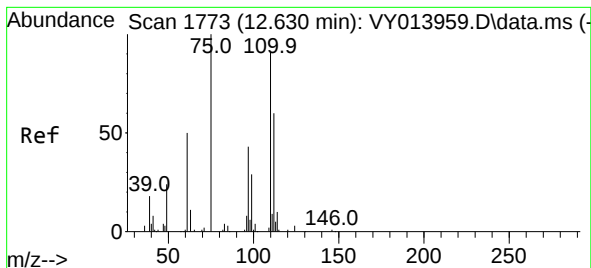
Ion Ratio Lower Upper

152 100

115 64.1 28.8 86.5

150 165.0 0.0 348.8

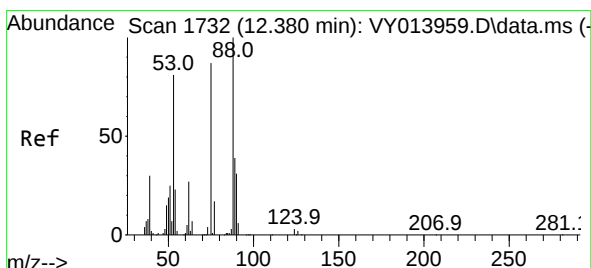
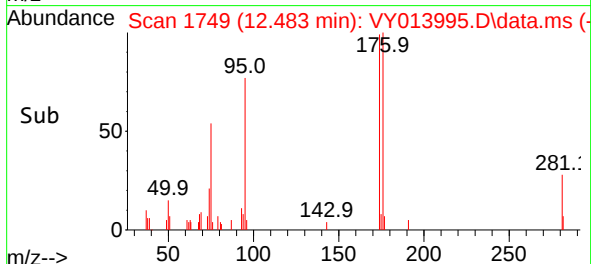
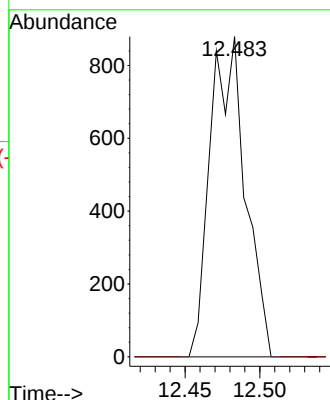
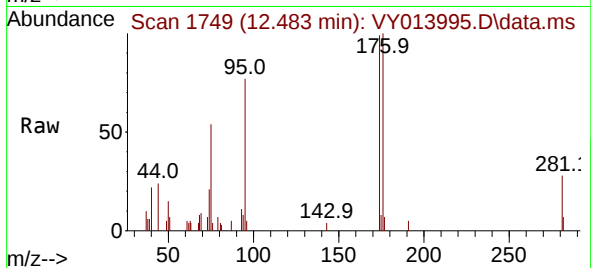




#76
1,2,3-Trichloropropane
Concen: 43.414 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY013995.D
Acq: 02 Jun 2023 17:18

Instrument :
MSVOA_Y
ClientSampleId :
DUP04

Tgt Ion: 75 Resp: 1429
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 92.103 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY013995.D
Acq: 02 Jun 2023 17:18

Tgt Ion: 75 Resp: 1429
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

