

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012023\
 Data File : VU052752.D
 Acq On : 20 Jan 2023 10:59
 Operator : JC/MD
 Sample : VU0120WBL06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0120WBL06

Quant Time: Jan 21 01:00:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U011923W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 20 01:04:16 2023
 Response via : Initial Calibration

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

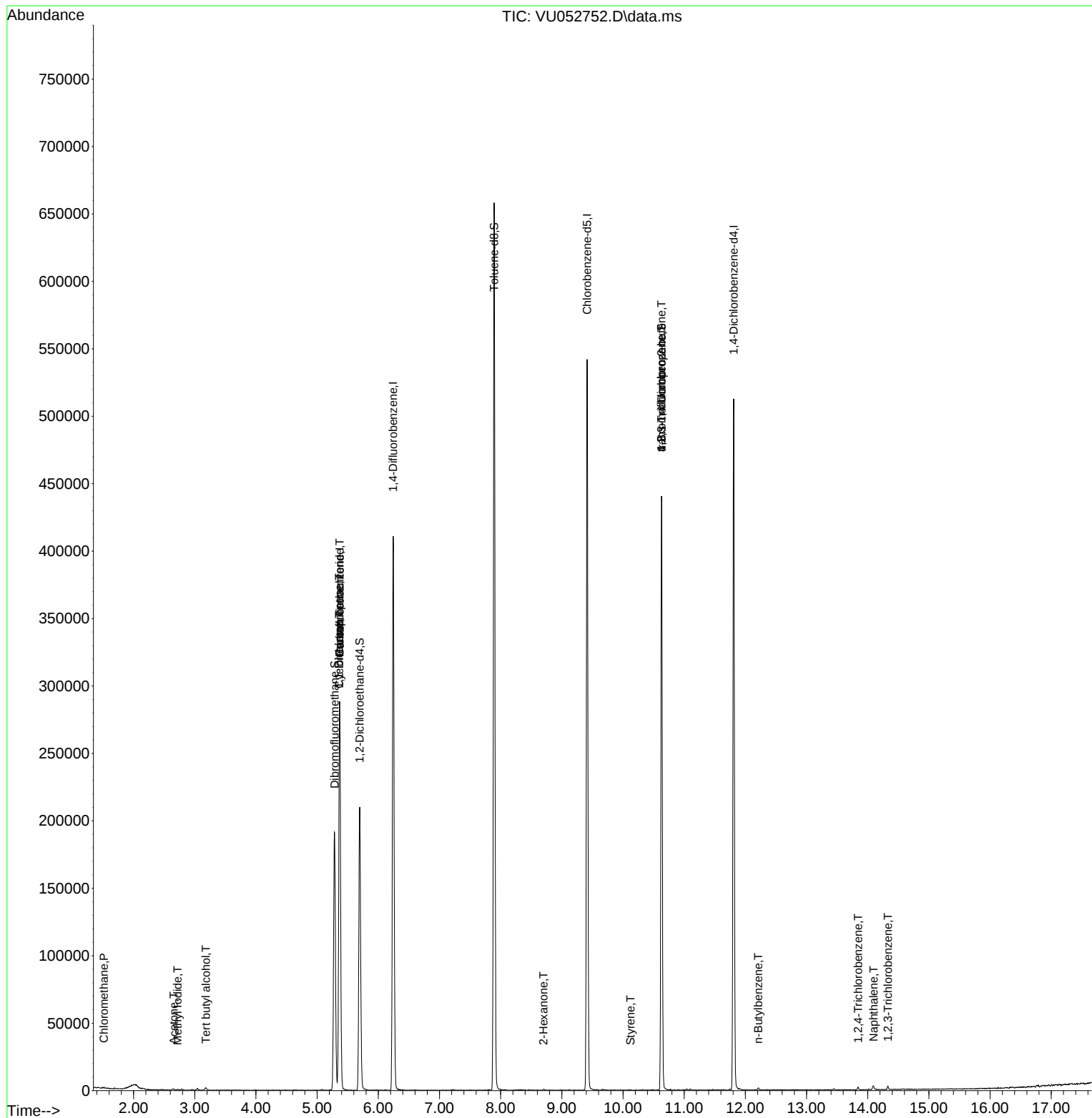
Internal Standards						
1) Pentafluorobenzene	5.369	168	200693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	332682	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	302076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	136277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	160853	55.652	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.300%
35) Dibromofluoromethane	5.285	113	123214	53.189	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.380%
50) Toluene-d8	7.893	98	437085	50.313	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.620%
62) 4-Bromofluorobenzene	10.629	95	146174	46.062	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.120%
Target Compounds						
						Qvalue
3) Chloromethane	1.517	50	766	0.315	ug/l	99
10) Methyl Iodide	2.719	142	449	4.632	ug/l #	80
11) Tert butyl alcohol	3.183	59	1136	2.307	ug/l #	88
13) Acrolein	2.485	56	66	Below Cal	#	14
16) Acetone	2.658	43	714	0.518	ug/l #	41
20) Methylene Chloride	3.044	84	531	Below Cal	#	91
31) Cyclohexane	5.362	56	3704	0.915	ug/l #	1
36) 1,1-Dichloropropene	5.362	75	15573	4.685	ug/l #	50
38) Carbon Tetrachloride	5.369	117	20617	6.029	ug/l #	17
59) 2-Hexanone	8.700	43	706	0.281	ug/l #	42
70) Styrene	10.121	104	126	1.354	ug/l #	51
76) 1,2,3-Trichloropropane	10.629	75	73718	19.822	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.629	75	73718	77.027	ug/l #	13
89) n-Butylbenzene	12.211	91	690	2.528	ug/l	87
93) 1,2,4-Trichlorobenzene	13.841	180	948	0.364	ug/l #	89
95) Naphthalene	14.095	128	3464	2.881	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.330	180	1001	0.387	ug/l	94

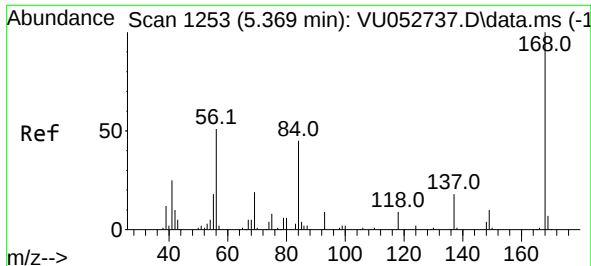
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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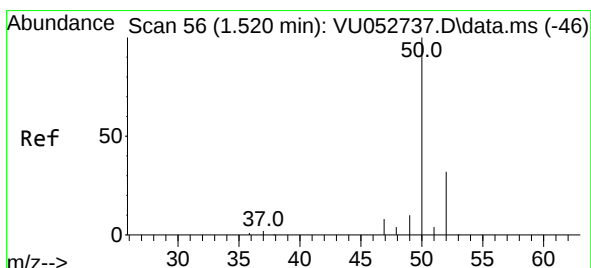
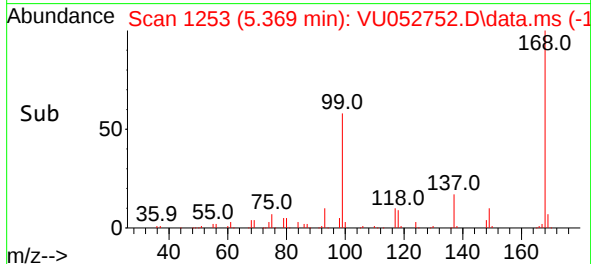
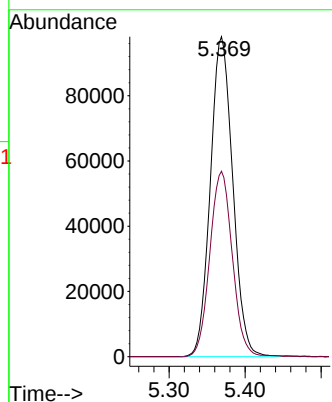
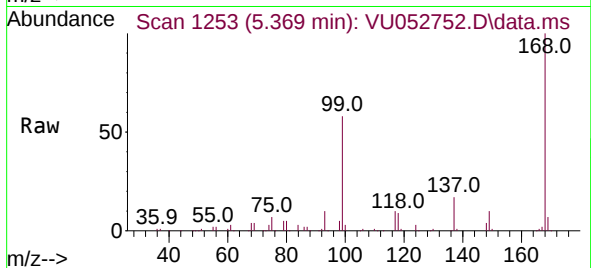




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052752.D
Acq: 20 Jan 2023 10:59

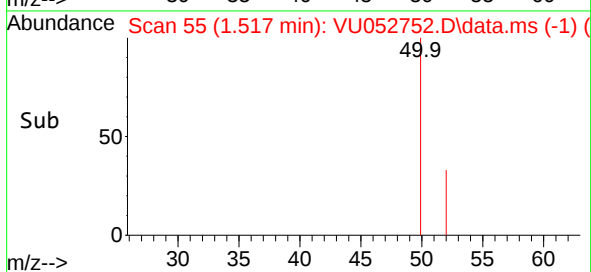
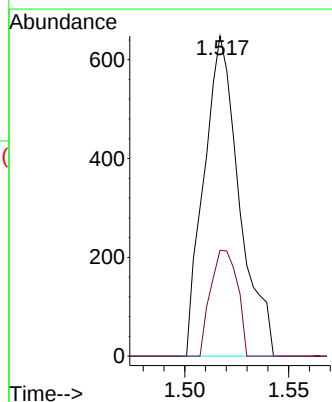
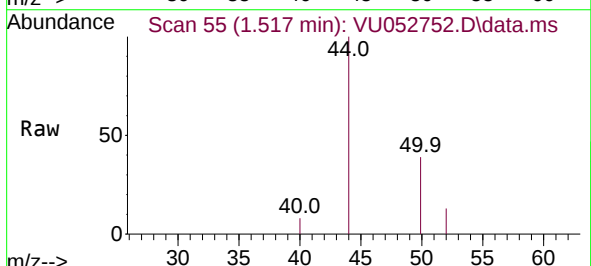
Instrument :
MSVOA_U
ClientSampleId :
VU0120WBL06

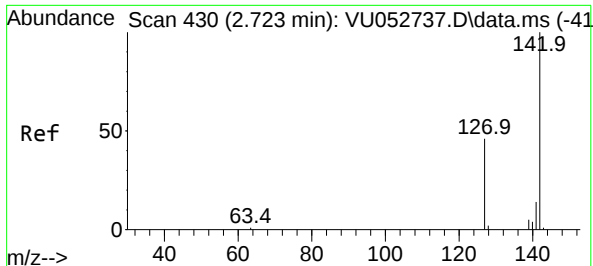
Tgt Ion:168 Resp: 200693
Ion Ratio Lower Upper
168 100
99 58.0 46.4 69.6



#3
Chloromethane
Concen: 0.315 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU052752.D
Acq: 20 Jan 2023 10:59

Tgt Ion: 50 Resp: 766
Ion Ratio Lower Upper
50 100
52 33.0 25.8 38.6





#10

Methyl Iodide

Concen: 4.632 ug/l

RT: 2.719 min Scan# 41

Delta R.T. -0.004 min

Lab File: VU052752.D

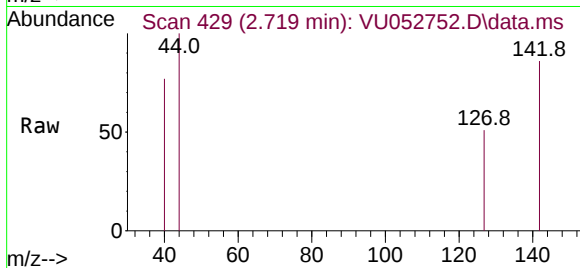
Acq: 20 Jan 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

VU0120WBL06



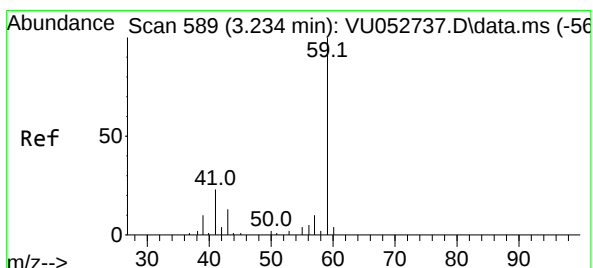
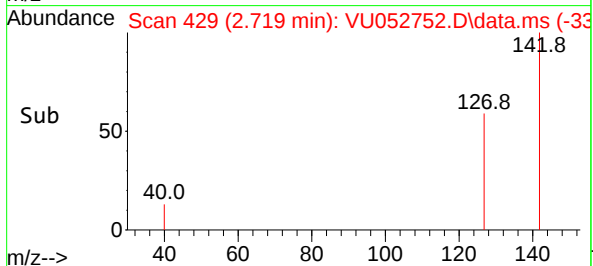
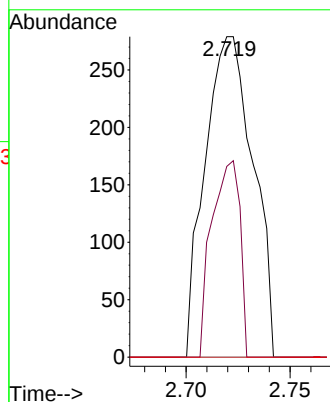
Tgt Ion:142 Resp: 449

Ion Ratio Lower Upper

142 100

127 35.9 36.3 54.5#

141 0.0 11.8 17.6#



#11

Tert butyl alcohol

Concen: 2.307 ug/l

RT: 3.183 min Scan# 573

Delta R.T. -0.051 min

Lab File: VU052752.D

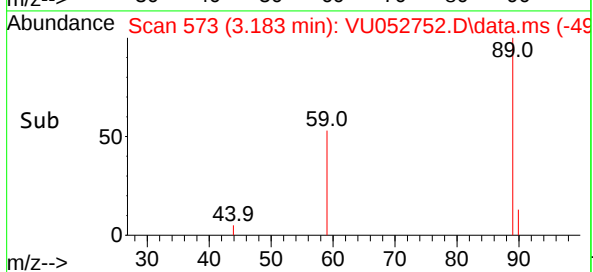
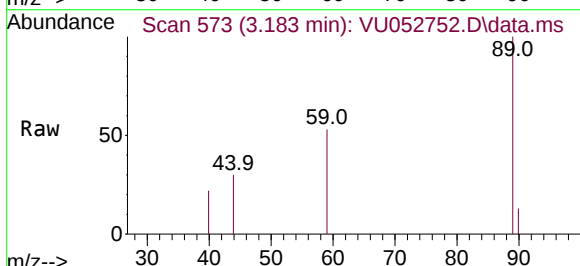
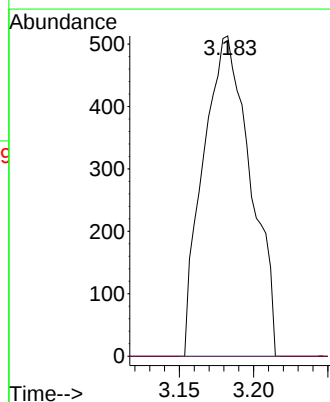
Acq: 20 Jan 2023 10:59

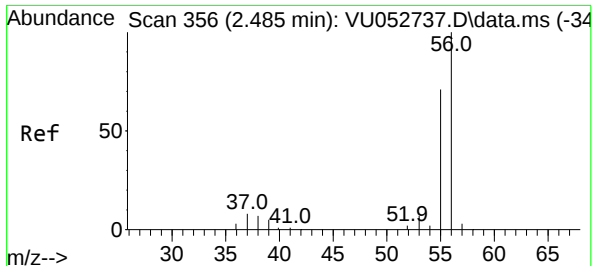
Tgt Ion: 59 Resp: 1136

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#

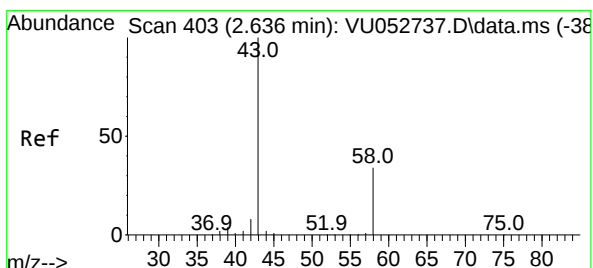
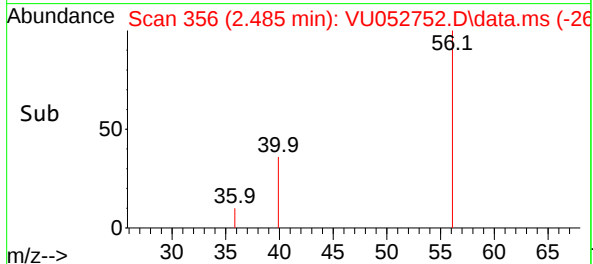
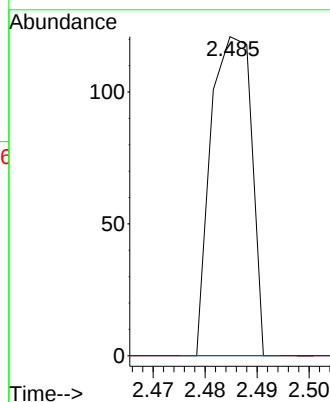
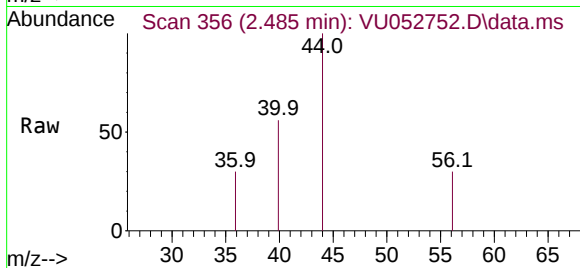




#13
Acrolein
Concen: Below Cal
RT: 2.485 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052752.D
Acq: 20 Jan 2023 10:59

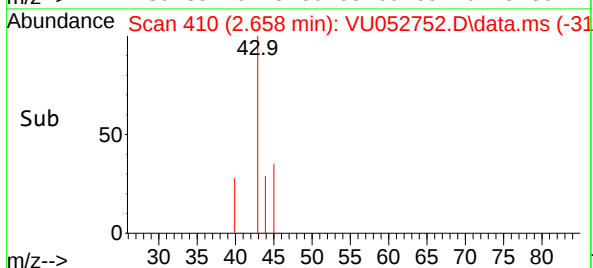
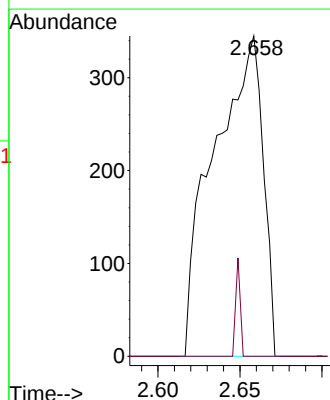
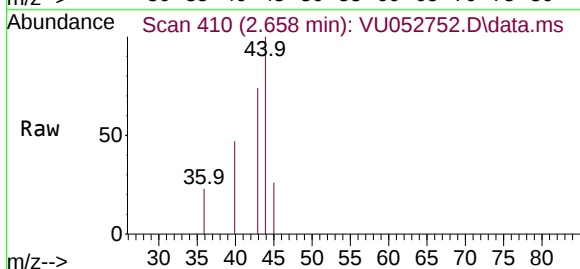
Instrument :
MSVOA_U
ClientSampleId :
VU0120WBL06

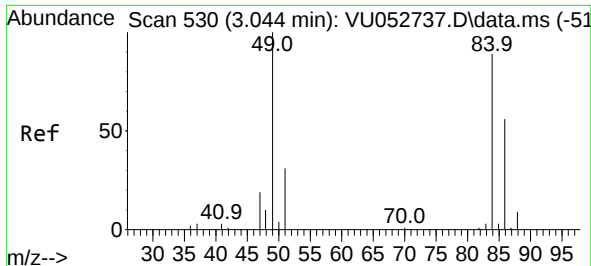
Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 0.518 ug/l
RT: 2.658 min Scan# 410
Delta R.T. 0.023 min
Lab File: VU052752.D
Acq: 20 Jan 2023 10:59

Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
58 0.0 27.1 40.7#





#20

Methylene Chloride

Concen: Below Cal

RT: 3.044 min Scan# 51

Delta R.T. 0.000 min

Lab File: VU052752.D

Acq: 20 Jan 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

VU0120WBL06

Tgt Ion: 84 Resp: 531

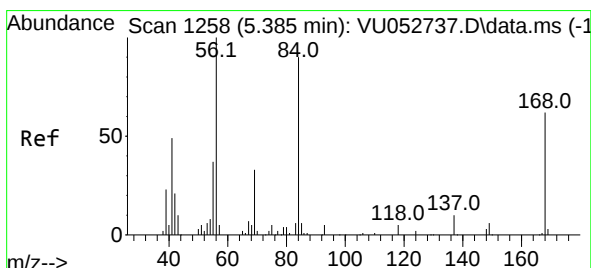
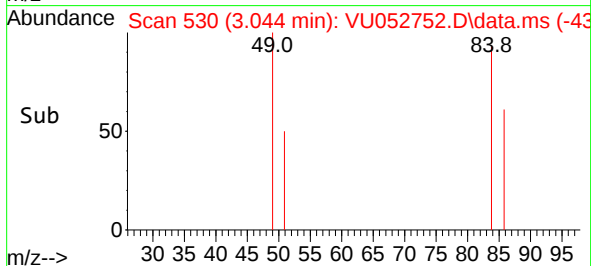
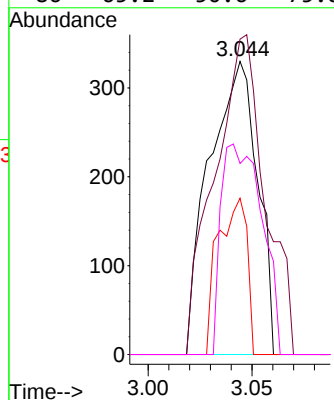
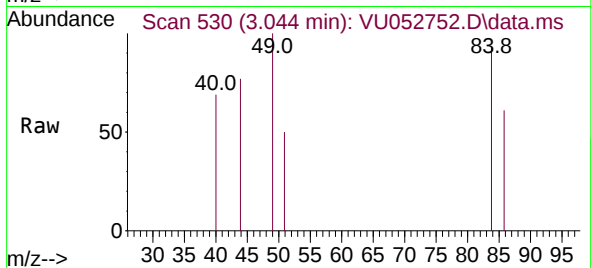
Ion Ratio Lower Upper

84 100

49 107.6 90.2 135.4

51 53.3 28.1 42.1#

86 65.2 50.6 75.8



#31

Cyclohexane

Concen: 0.915 ug/l

RT: 5.362 min Scan# 1251

Delta R.T. -0.022 min

Lab File: VU052752.D

Acq: 20 Jan 2023 10:59

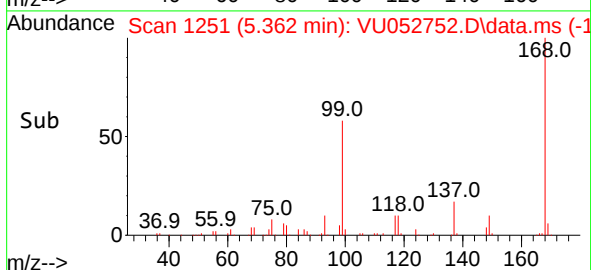
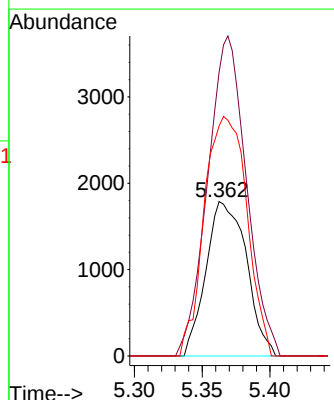
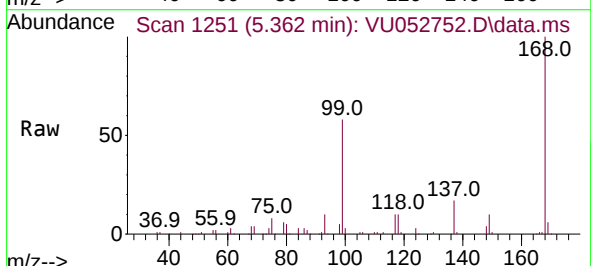
Tgt Ion: 56 Resp: 3704

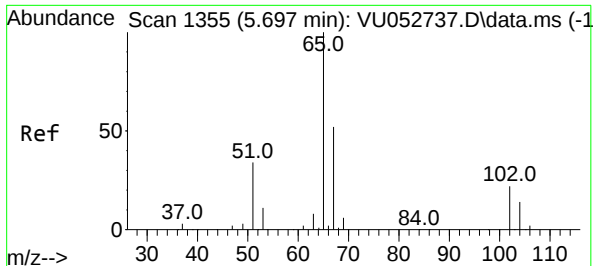
Ion Ratio Lower Upper

56 100

69 183.8 26.2 39.2#

84 148.9 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 55.652 ug/l

RT: 5.697 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052752.D

Acq: 20 Jan 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

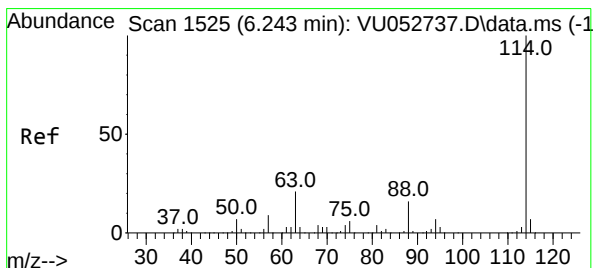
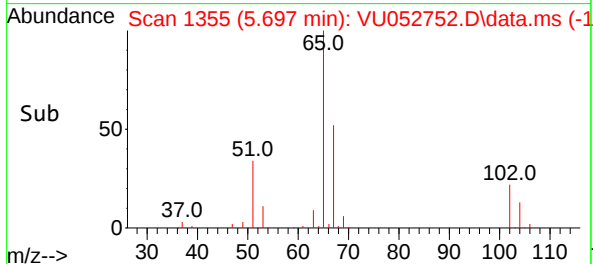
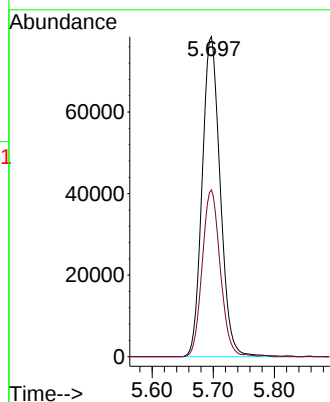
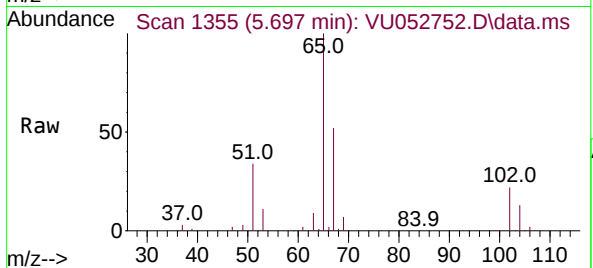
VU0120WBL06

Tgt Ion: 65 Resp: 160853

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VU052752.D

Acq: 20 Jan 2023 10:59

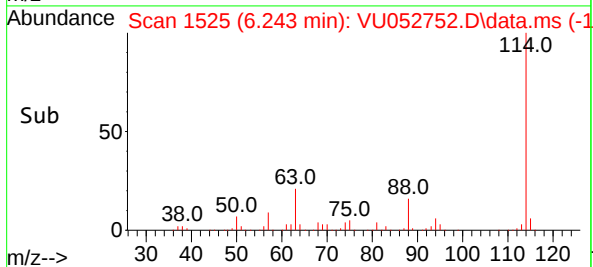
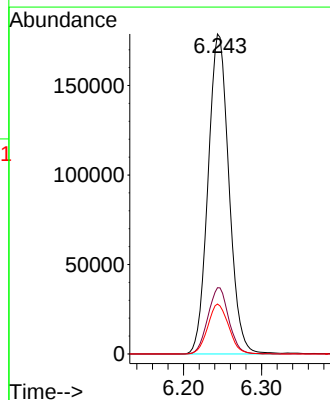
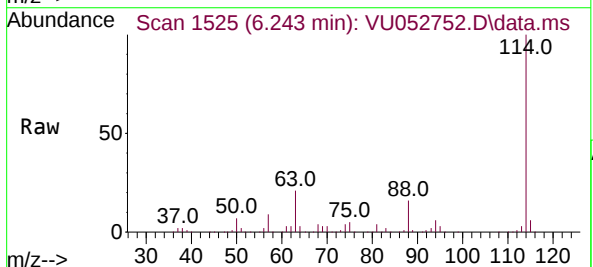
Tgt Ion: 114 Resp: 332682

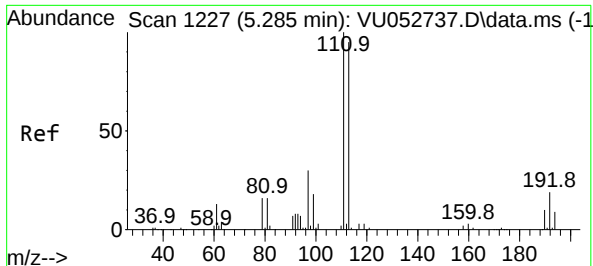
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.4

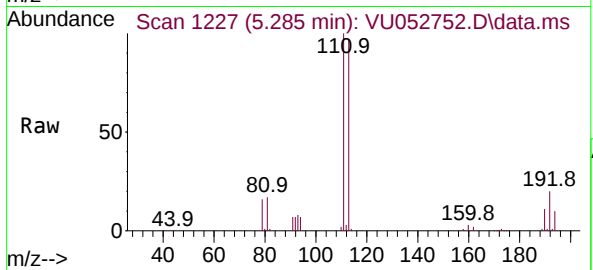
88 15.6 0.0 32.8



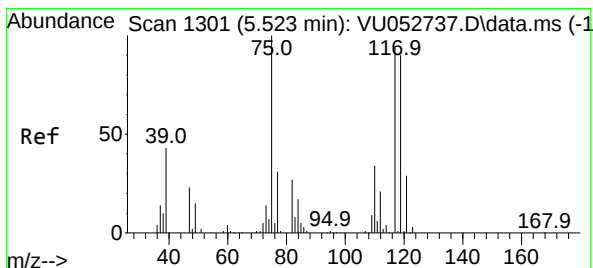
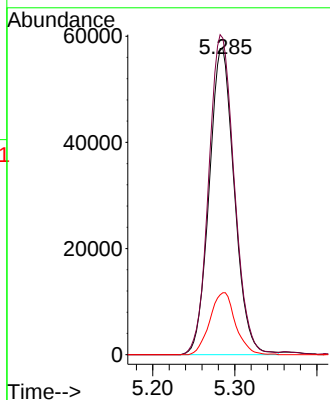
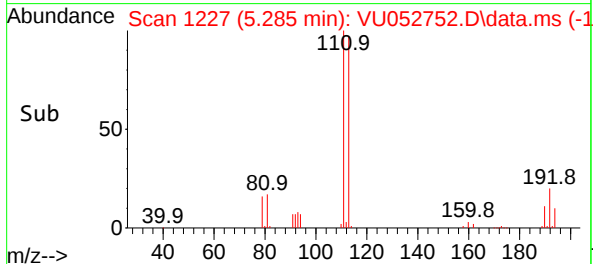


#35
Dibromofluoromethane
Concen: 53.189 ug/l
RT: 5.285 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052752.D
Acq: 20 Jan 2023 10:59

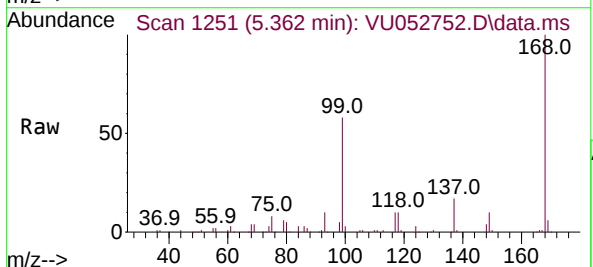
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MSVOA_U
ClientSampleId :
VU0120WBL06



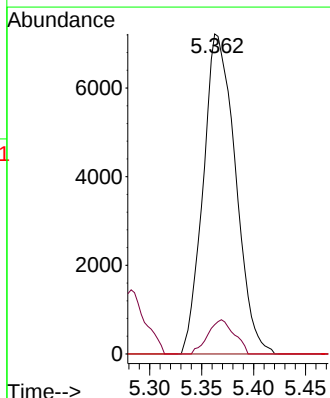
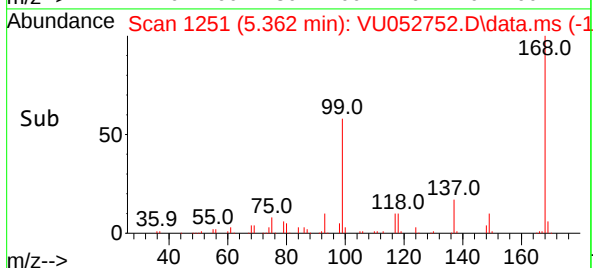
Tgt Ion:113 Resp: 123214
Ion Ratio Lower Upper
113 100
111 106.1 81.2 121.8
192 20.6 15.7 23.5

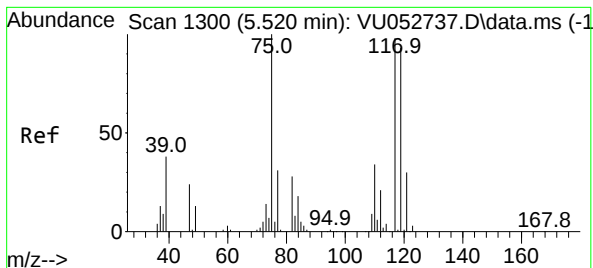


#36
1,1-Dichloropropene
Concen: 4.685 ug/l
RT: 5.362 min Scan# 1251
Delta R.T. -0.161 min
Lab File: VU052752.D
Acq: 20 Jan 2023 10:59



Tgt Ion: 75 Resp: 15573
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.029 ug/l

RT: 5.369 min Scan# 117

Delta R.T. -0.151 min

Lab File: VU052752.D

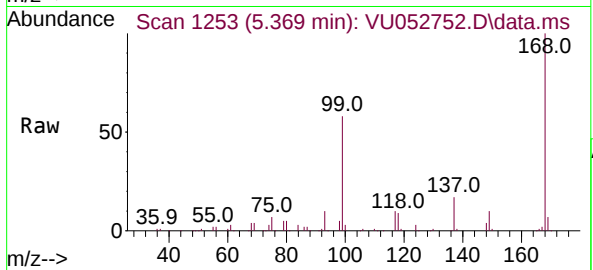
Acq: 20 Jan 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

VU0120WBL06



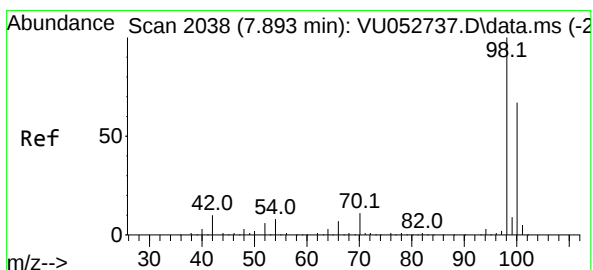
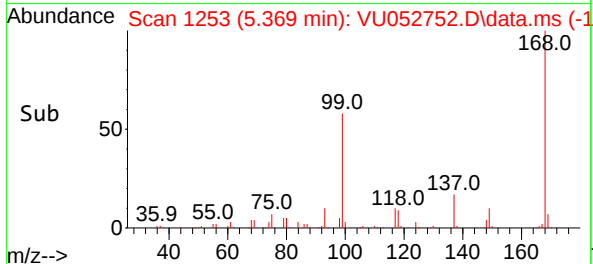
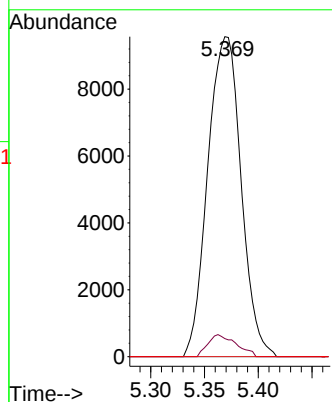
Tgt Ion:117 Resp: 20617

Ion Ratio Lower Upper

117 100

119 5.6 75.6 113.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 50.313 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. 0.000 min

Lab File: VU052752.D

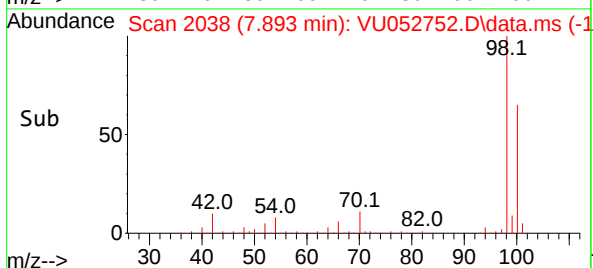
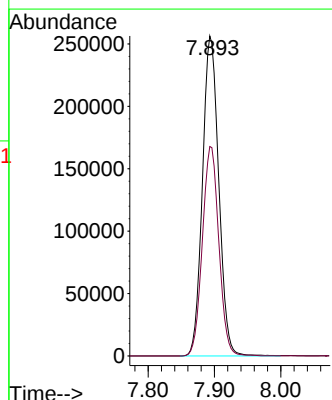
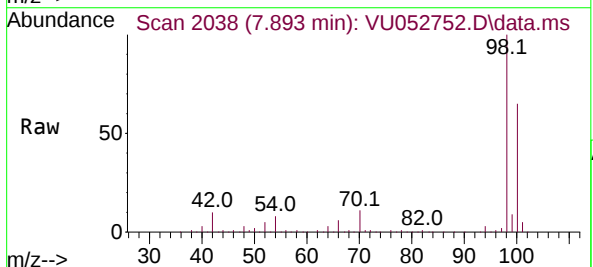
Acq: 20 Jan 2023 10:59

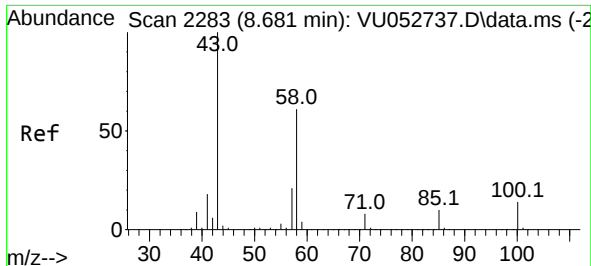
Tgt Ion: 98 Resp: 437085

Ion Ratio Lower Upper

98 100

100 66.1 53.7 80.5

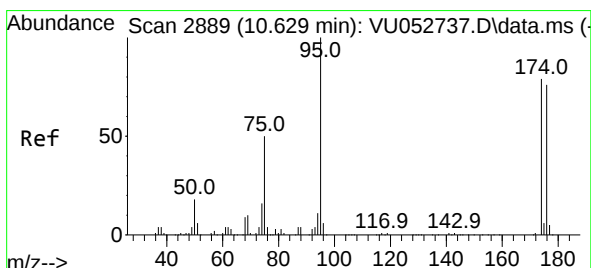
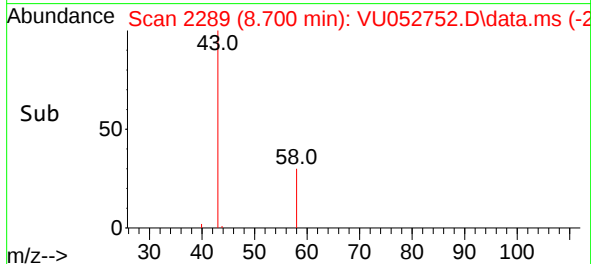
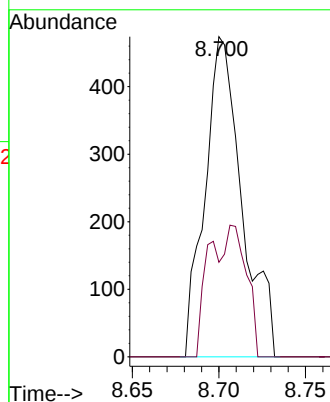
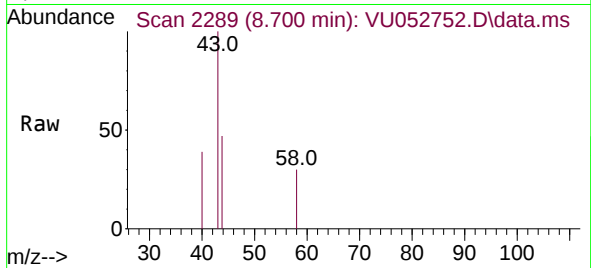




#59
2-Hexanone
Concen: 0.281 ug/l
RT: 8.700 min Scan# 21
Delta R.T. 0.019 min
Lab File: VU052752.D
Acq: 20 Jan 2023 10:59

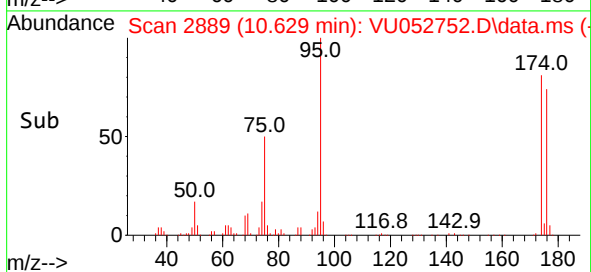
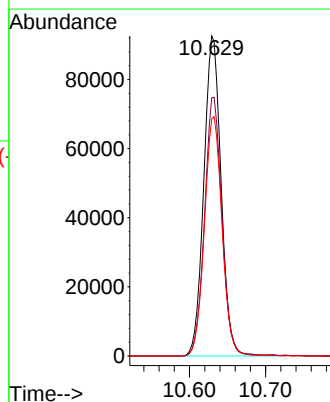
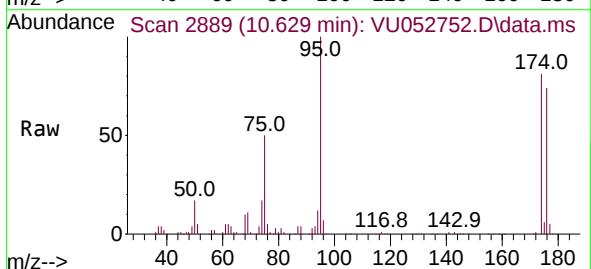
Instrument :
MSVOA_U
ClientSampleId :
VU0120WBL06

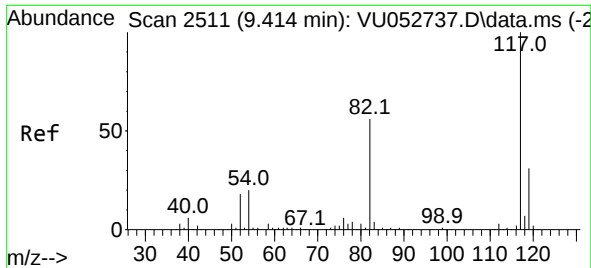
Tgt Ion: 43 Resp: 706
Ion Ratio Lower Upper
43 100
58 15.9 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 46.062 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.000 min
Lab File: VU052752.D
Acq: 20 Jan 2023 10:59

Tgt Ion: 95 Resp: 146174
Ion Ratio Lower Upper
95 100
174 81.5 0.0 158.6
176 76.2 0.0 150.6

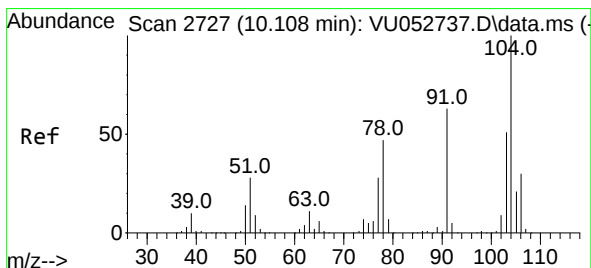
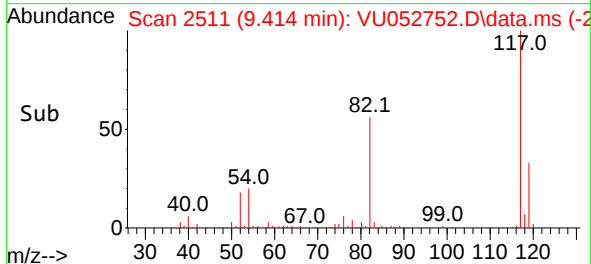
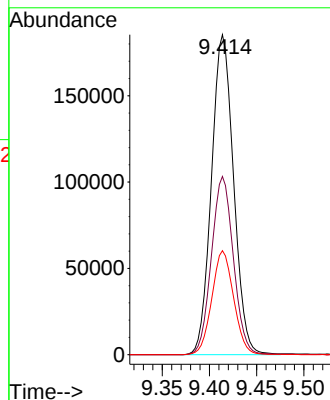
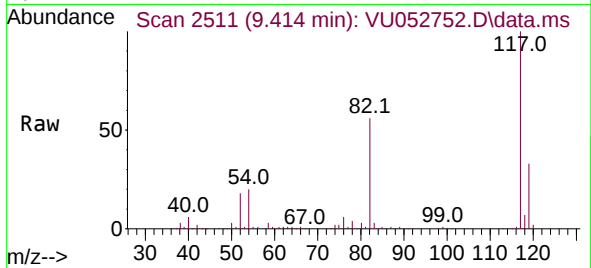




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052752.D
Acq: 20 Jan 2023 10:59

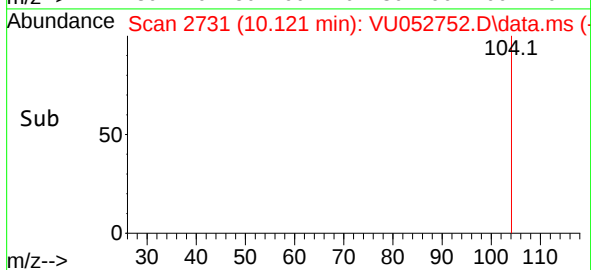
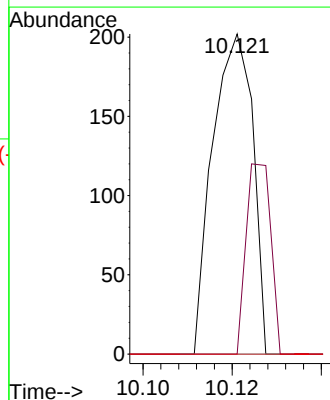
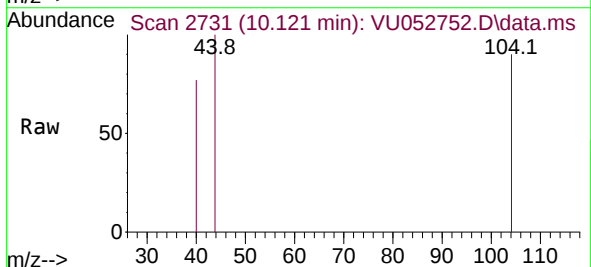
Instrument :
MSVOA_U
ClientSampleId :
VU0120WBL06

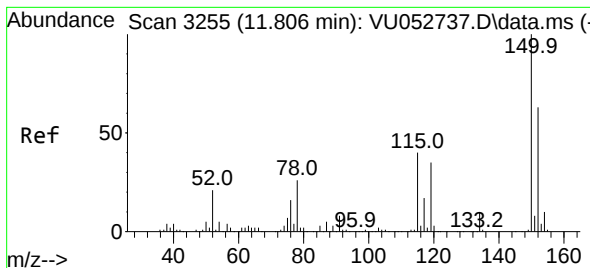
Tgt Ion:117 Resp: 302076
Ion Ratio Lower Upper
117 100
82 55.7 44.7 67.1
119 32.5 25.0 37.6



#70
Styrene
Concen: 1.354 ug/l
RT: 10.121 min Scan# 2731
Delta R.T. 0.013 min
Lab File: VU052752.D
Acq: 20 Jan 2023 10:59

Tgt Ion:104 Resp: 126
Ion Ratio Lower Upper
104 100
78 36.5 39.9 59.9#
103 0.0 43.4 65.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.809 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU052752.D

Acq: 20 Jan 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

VU0120WBL06

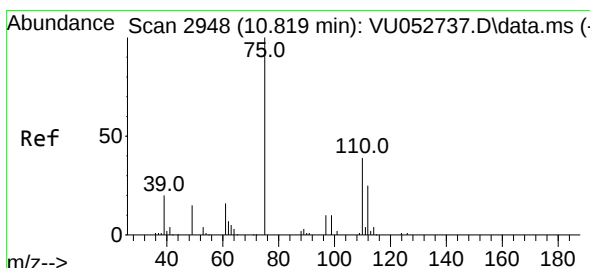
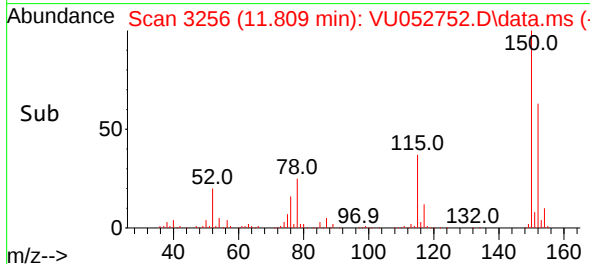
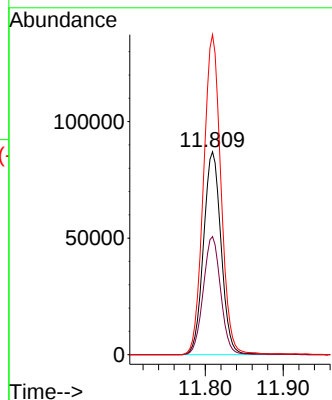
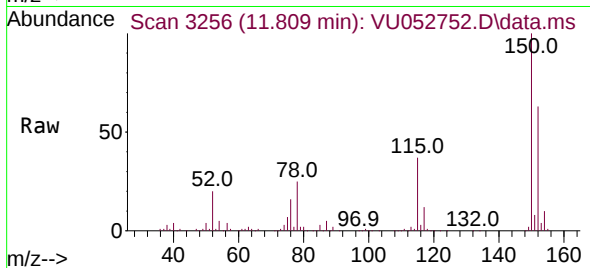
Tgt Ion:152 Resp: 136277

Ion Ratio Lower Upper

152 100

115 57.7 41.7 125.1

150 156.4 0.0 349.2



#76

1,2,3-Trichloropropane

Concen: 19.822 ug/l

RT: 10.629 min Scan# 2889

Delta R.T. -0.190 min

Lab File: VU052752.D

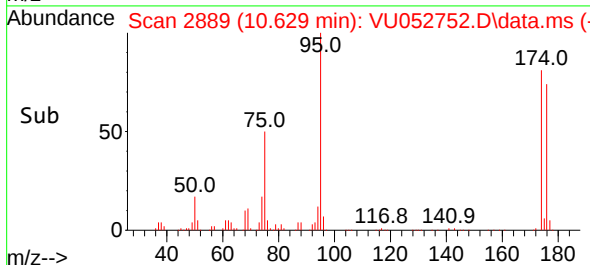
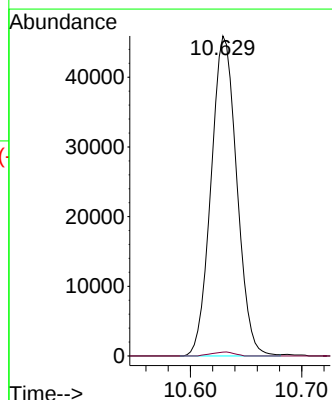
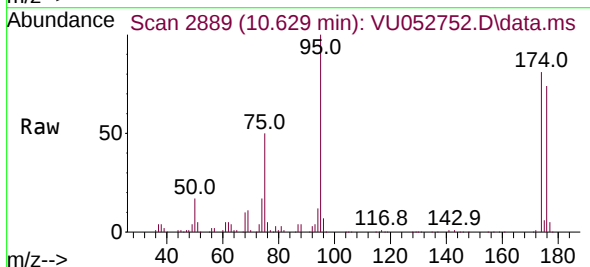
Acq: 20 Jan 2023 10:59

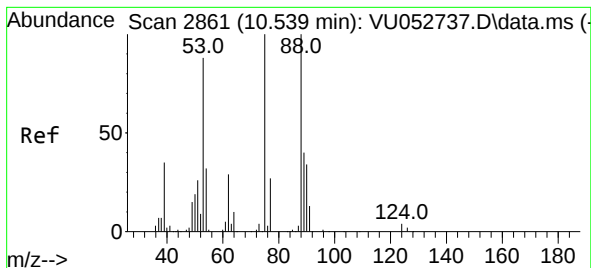
Tgt Ion: 75 Resp: 73718

Ion Ratio Lower Upper

75 100

77 1.1 15.0 45.1#

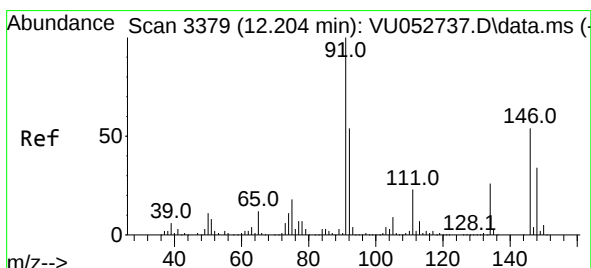
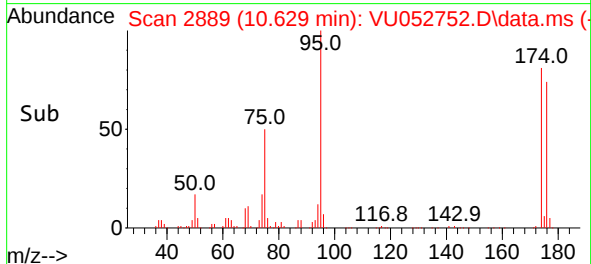
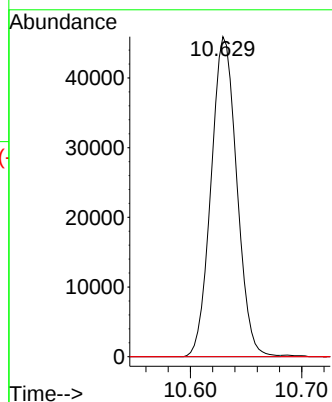
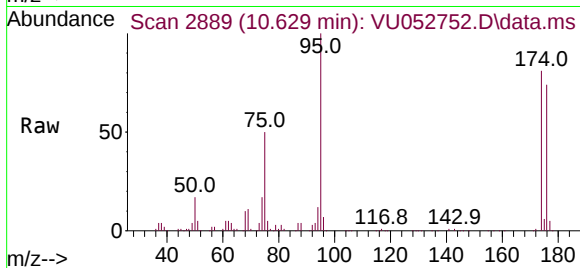




#81
trans-1,4-Dichloro-2-butene
Concen: 77.027 ug/l
RT: 10.629 min Scan# 21
Delta R.T. 0.090 min
Lab File: VU052752.D
Acq: 20 Jan 2023 10:59

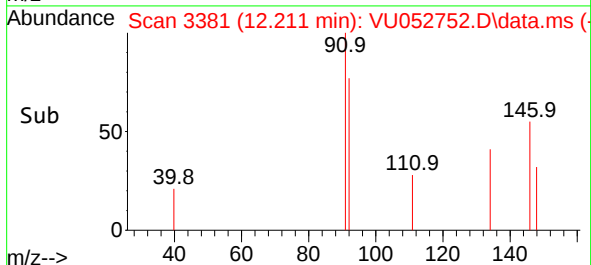
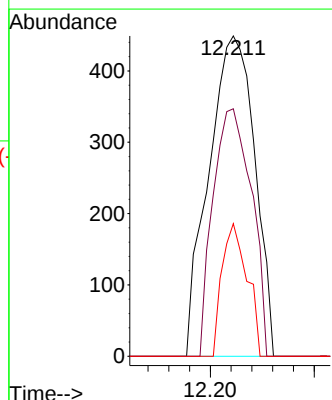
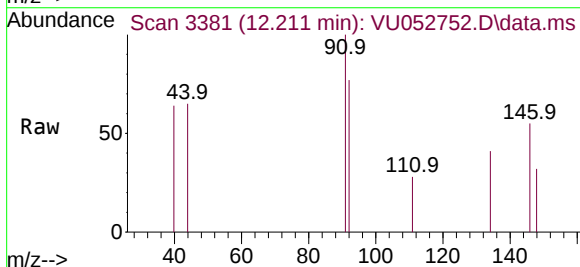
Instrument :
MSVOA_U
ClientSampleId :
VU0120WBL06

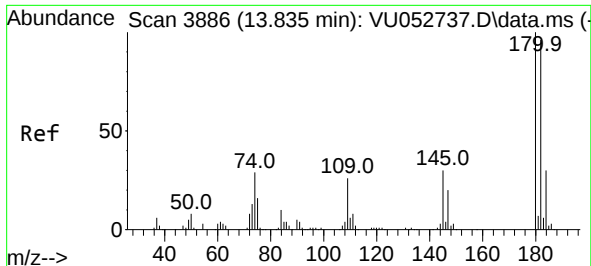
Tgt Ion: 75 Resp: 73718
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 35.0 52.4#



#89
n-Butylbenzene
Concen: 2.528 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.007 min
Lab File: VU052752.D
Acq: 20 Jan 2023 10:59

Tgt Ion: 91 Resp: 690
Ion Ratio Lower Upper
91 100
92 64.5 26.8 80.3
134 22.6 13.1 39.3

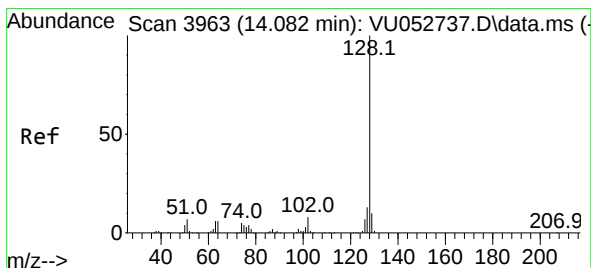
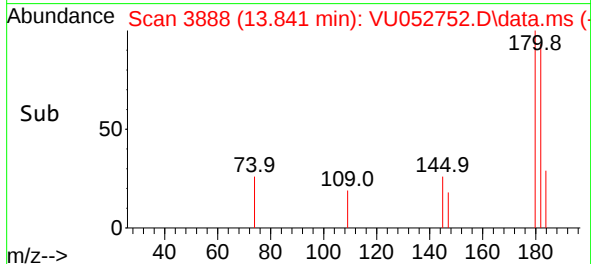
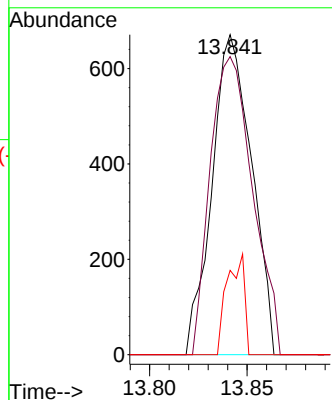
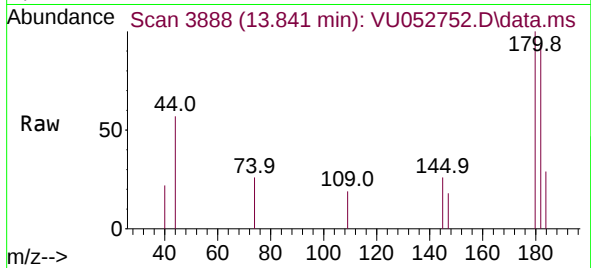




#93
1,2,4-Trichlorobenzene
Concen: 0.364 ug/l
RT: 13.841 min Scan# 3888
Delta R.T. 0.007 min
Lab File: VU052752.D
Acq: 20 Jan 2023 10:59

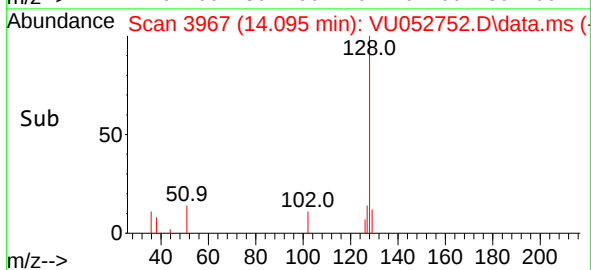
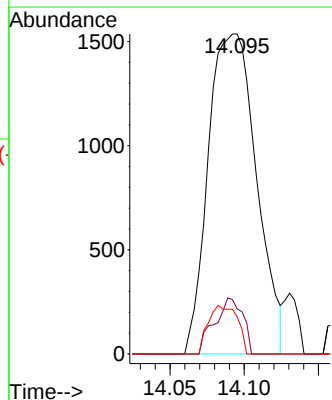
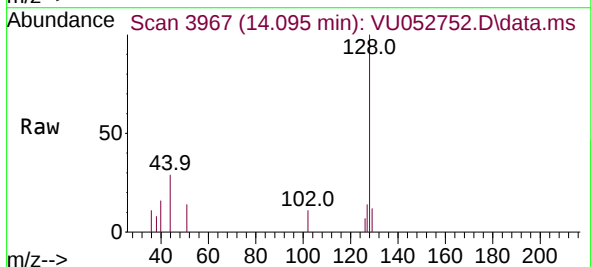
Instrument :
MSVOA_U
ClientSampleId :
VU0120WBL06

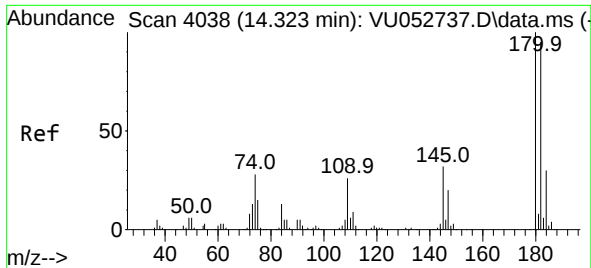
Tgt Ion:180 Resp: 948
Ion Ratio Lower Upper
180 100
182 100.2 47.4 142.3
145 13.8 14.9 44.5#



#95
Naphthalene
Concen: 2.881 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.013 min
Lab File: VU052752.D
Acq: 20 Jan 2023 10:59

Tgt Ion:128 Resp: 3464
Ion Ratio Lower Upper
128 100
127 10.2 10.3 15.5#
129 9.2 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.387 ug/l
 RT: 14.330 min Scan# 4038
 Delta R.T. 0.007 min
 Lab File: VU052752.D
 Acq: 20 Jan 2023 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0120WBL06

Tgt Ion:	180	Resp:	1001
Ion	Ratio	Lower	Upper
180	100		
182	98.9	48.1	144.3
145	23.0	15.8	47.4

