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 Data File : VU054362.D
 Acq On : 01 Jun 2023 01:18
 Operator : JC/MD
 Sample : 02972-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

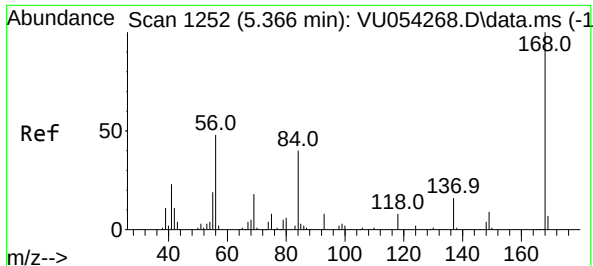
Instrument :
 MSVOA_U
 ClientSampleId :
 TP-11-0A

Quant Time: Jun 01 06:40:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	258999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	448790	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	429597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	198669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	184224	54.260	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.520%			
35) Dibromofluoromethane	5.282	113	149873	51.857	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.720%			
50) Toluene-d8	7.893	98	561373	51.066	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.140%			
62) 4-Bromofluorobenzene	10.626	95	189330	44.418	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.840%			
Target Compounds					Qvalue	
10) Methyl Iodide	2.720	142	165	2.380	ug/l #	43
13) Acrolein	2.485	56	587	0.615	ug/l	94
16) Acetone	2.629	43	37694	19.368	ug/l	99
17) Carbon Disulfide	2.793	76	2048	0.249	ug/l #	75
18) Methyl Acetate	2.954	43	4119	0.580	ug/l #	74
20) Methylene Chloride	3.044	84	22364	6.370	ug/l	95
25) 2-Butanone	4.726	43	1458	0.566	ug/l	97
31) Cyclohexane	5.366	56	5206	1.086	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	19091	4.206	ug/l #	48
37) Ethyl Acetate	4.803	43	42657	7.711	ug/l #	89
38) Carbon Tetrachloride	5.369	117	24774	5.332	ug/l #	16
40) Benzene	5.771	78	22877	1.767	ug/l	100
43) Isopropyl Acetate	5.906	43	175323	22.975	ug/l	98
45) 1,2-Dichloropropane	7.028	63	2407	0.713	ug/l #	43
48) Methyl methacrylate	6.903	41	5191	1.534	ug/l #	35
49) 1,4-Dioxane	7.034	88	240	2.457	ug/l #	1
51) 4-Methyl-2-Pentanone	7.787	43	8559	1.681	ug/l	92
54) cis-1,3-Dichloropropene	7.732	75	59669	10.748	ug/l #	64
56) Ethyl methacrylate	8.459	69	1934	0.380	ug/l #	1
57) 1,3-Dichloropropane	8.719	76	7935	1.347	ug/l #	42
59) 2-Hexanone	8.722	43	102275	25.424	ug/l #	50
74) N-amyl acetate	10.066	43	31766	6.080	ug/l #	48
76) 1,2,3-Trichloropropane	10.626	75	95908	16.541	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.626	75	95908	62.986	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.844	180	877	1.829	ug/l	82
94) Hexachlorobutadiene	14.021	225	158	0.894	ug/l #	53
95) Naphthalene	14.092	128	4086	2.258	ug/l #	88
96) 1,2,3-Trichlorobenzene	14.327	180	905	1.450	ug/l	95

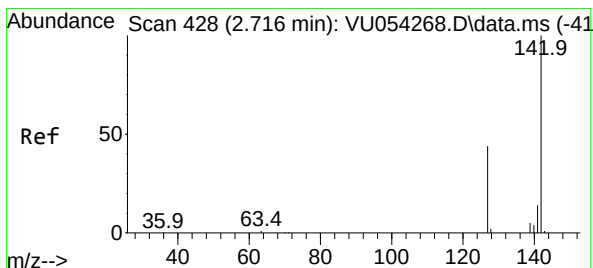
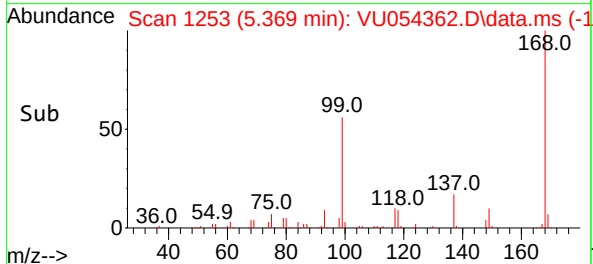
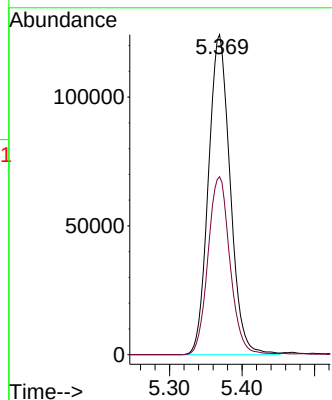
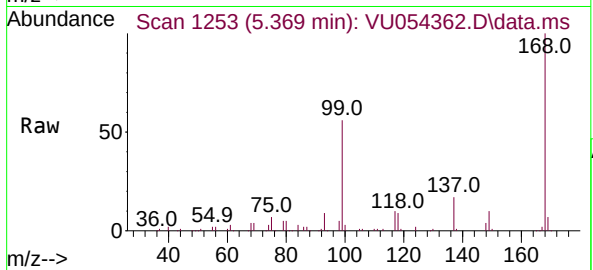
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

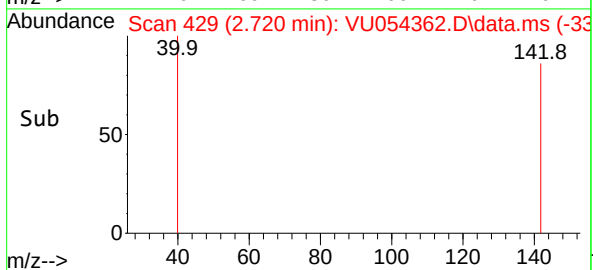
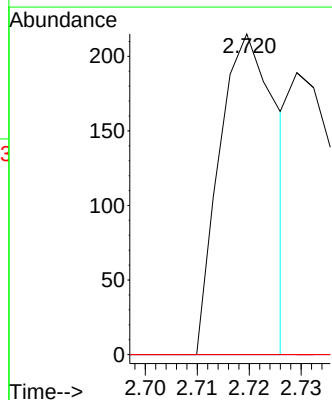
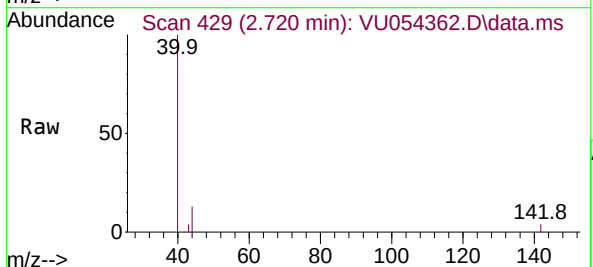
Instrument :
MSVOA_U
ClientSampleId :
TP-11-0A

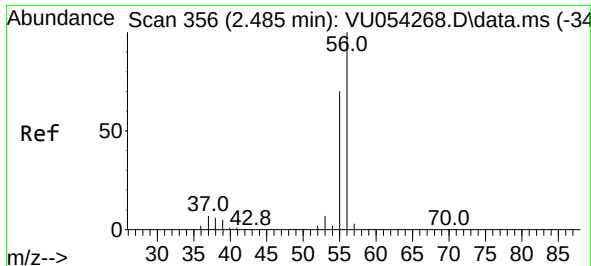
Tgt Ion:168 Resp: 258999
Ion Ratio Lower Upper
168 100
99 55.6 39.3 58.9



#10
Methyl Iodide
Concen: 2.380 ug/l
RT: 2.720 min Scan# 429
Delta R.T. 0.004 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

Tgt Ion:142 Resp: 165
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#

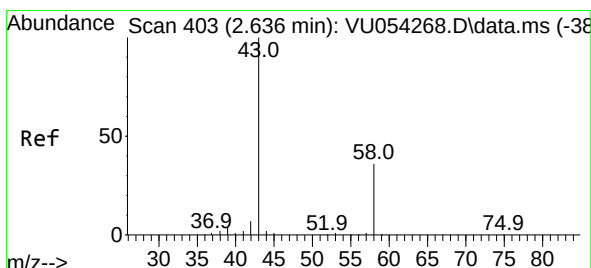
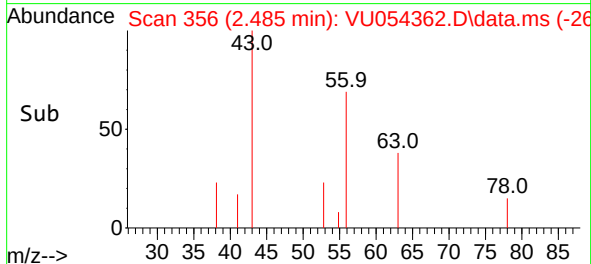
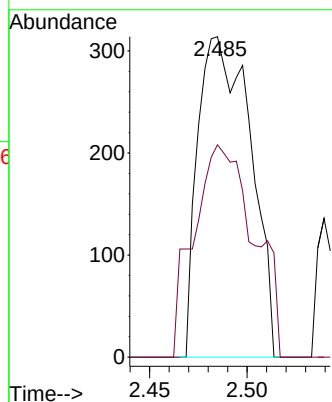
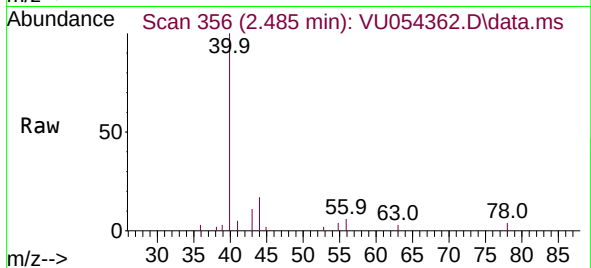




#13
Acrolein
Concen: 0.615 ug/l
RT: 2.485 min Scan# 356
Delta R.T. -0.000 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

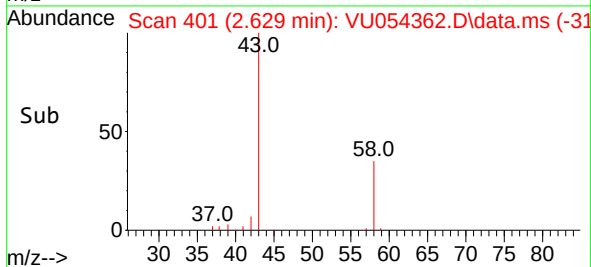
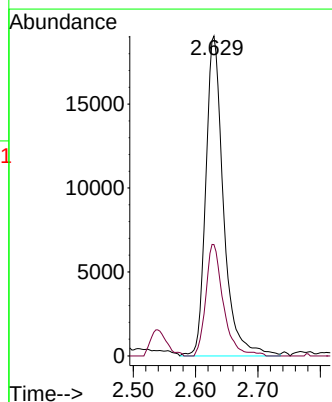
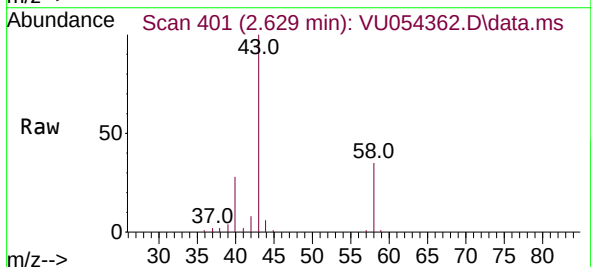
Instrument :
MSVOA_U
ClientSampleId :
TP-11-0A

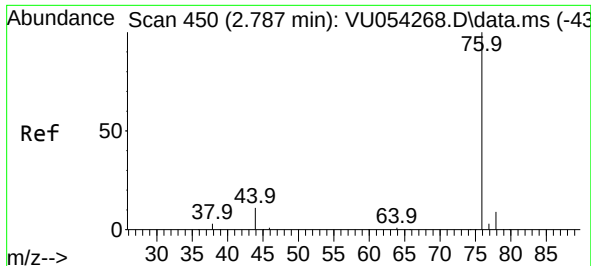
Tgt Ion: 56 Resp: 587
Ion Ratio Lower Upper
56 100
55 76.1 56.6 85.0



#16
Acetone
Concen: 19.368 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.007 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

Tgt Ion: 43 Resp: 37694
Ion Ratio Lower Upper
43 100
58 34.8 27.5 41.3

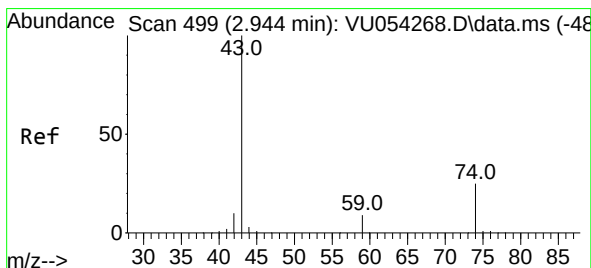
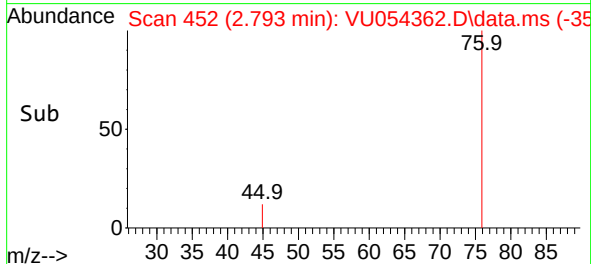
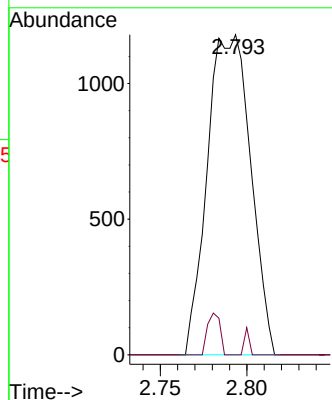
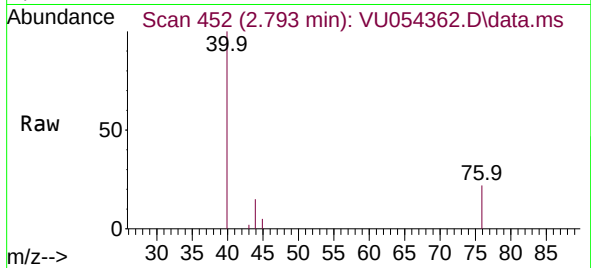




#17
Carbon Disulfide
Concen: 0.249 ug/l
RT: 2.793 min Scan# 41
Delta R.T. 0.006 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

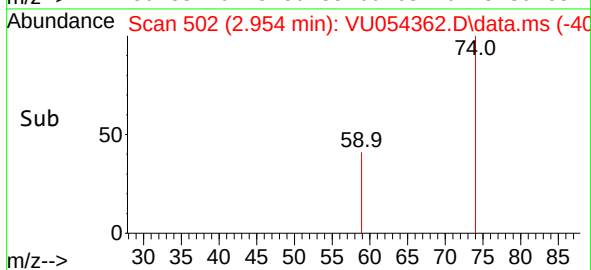
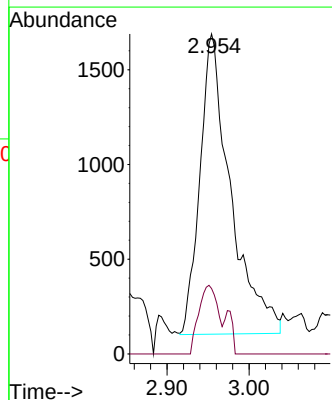
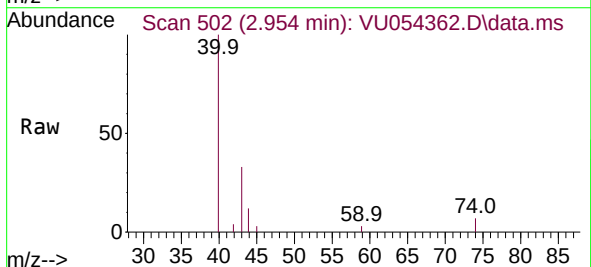
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MSVOA_U
ClientSampleId :
TP-11-0A

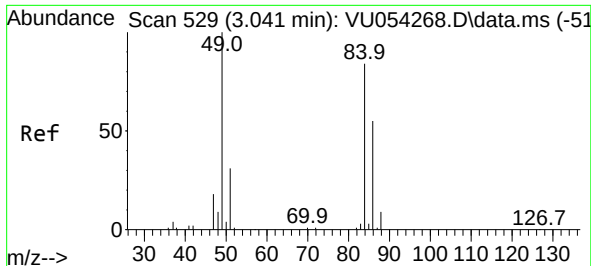
Tgt Ion: 76 Resp: 2048
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 0.580 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.010 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

Tgt Ion: 43 Resp: 4119
Ion Ratio Lower Upper
43 100
74 14.2 22.5 33.7#





#20

Methylene Chloride

Concen: 6.370 ug/l

RT: 3.044 min Scan# 51

Delta R.T. 0.003 min

Lab File: VU054362.D

Acq: 01 Jun 2023 01:18

Instrument :

MSVOA_U

ClientSampleId :

TP-11-0A

Tgt Ion: 84 Resp: 22364

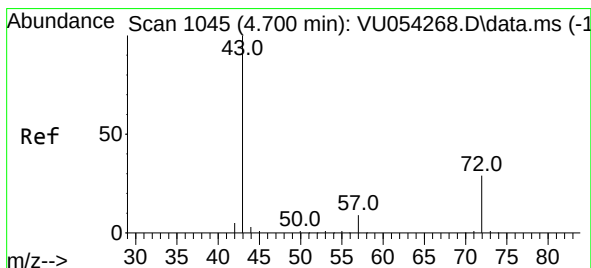
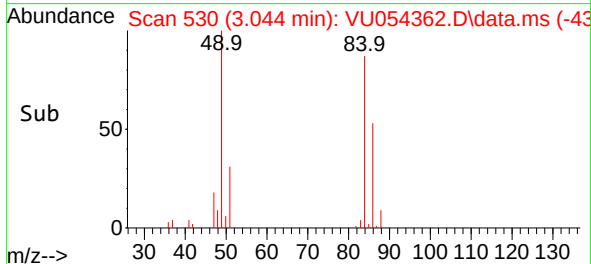
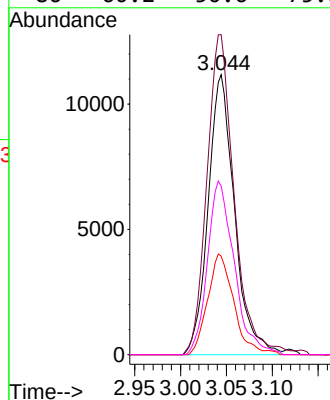
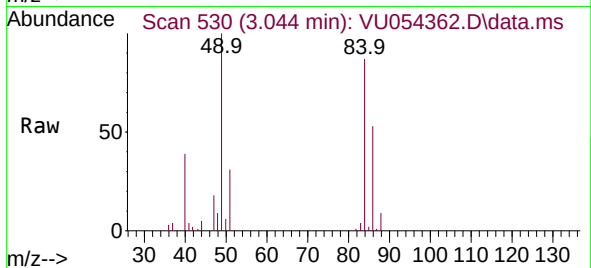
Ion Ratio Lower Upper

84 100

49 114.3 86.6 129.8

51 35.2 26.6 40.0

86 60.2 50.6 75.8



#25

2-Butanone

Concen: 0.566 ug/l

RT: 4.726 min Scan# 1053

Delta R.T. 0.026 min

Lab File: VU054362.D

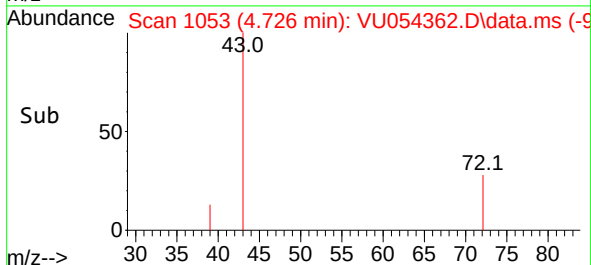
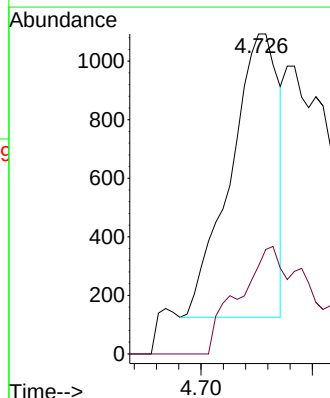
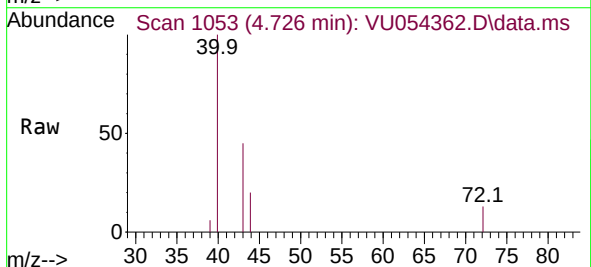
Acq: 01 Jun 2023 01:18

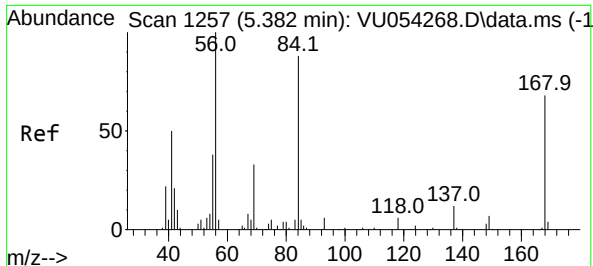
Tgt Ion: 43 Resp: 1458

Ion Ratio Lower Upper

43 100

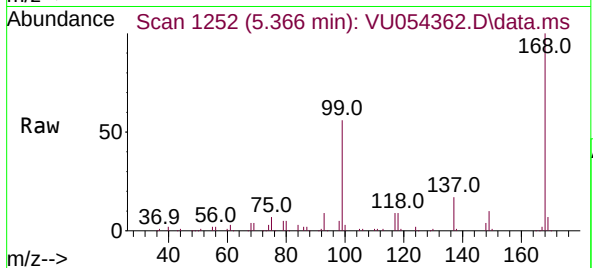
72 31.1 23.8 35.6



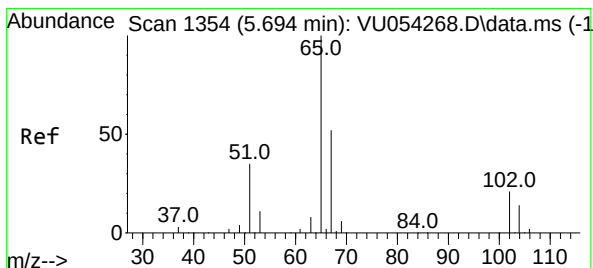
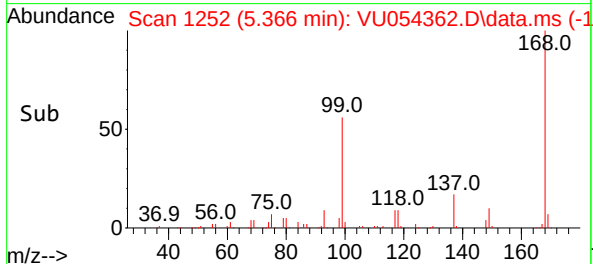
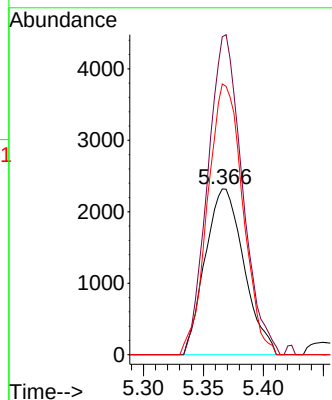


#31
Cyclohexane
Concen: 1.086 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

Instrument :
MSVOA_U
ClientSampleId :
TP-11-0A

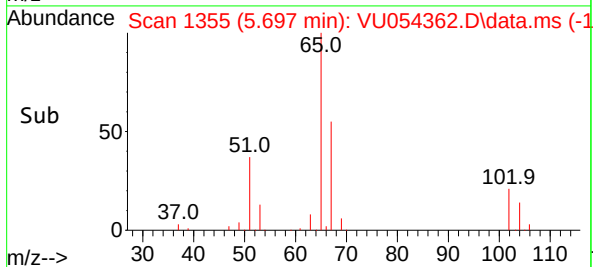
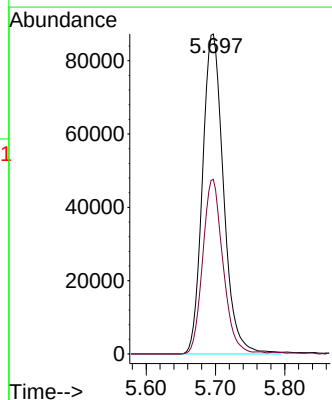
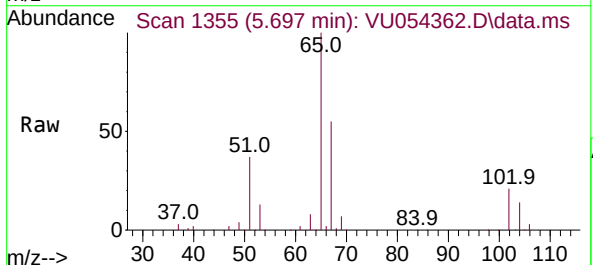


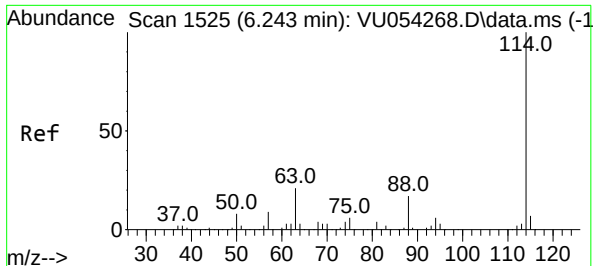
Tgt Ion: 56 Resp: 5206
Ion Ratio Lower Upper
56 100
69 191.8 27.8 41.8#
84 163.3 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 54.260 ug/l
RT: 5.697 min Scan# 1355
Delta R.T. 0.003 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

Tgt Ion: 65 Resp: 184224
Ion Ratio Lower Upper
65 100
67 52.3 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054362.D

Acq: 01 Jun 2023 01:18

Instrument :

MSVOA_U

ClientSampleId :

TP-11-0A

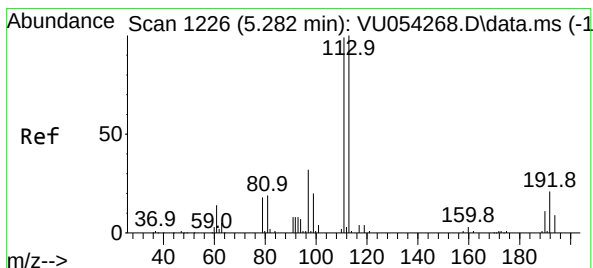
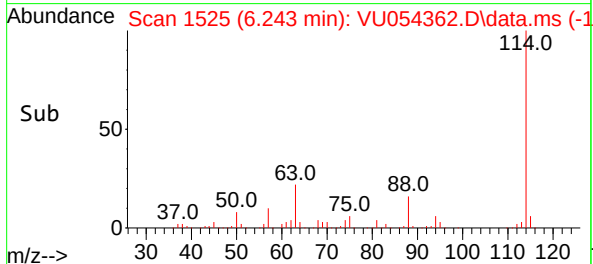
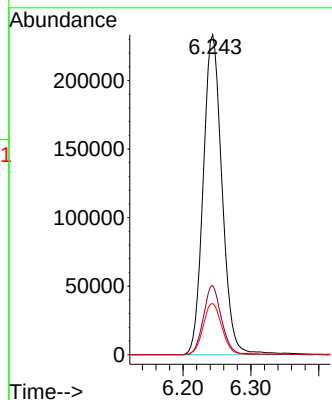
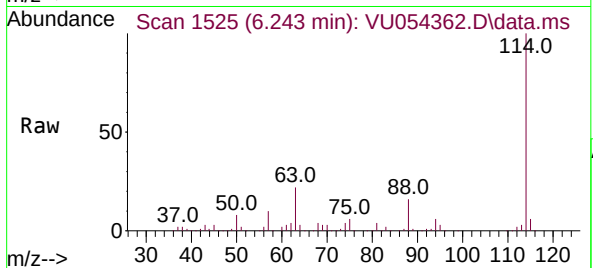
Tgt Ion:114 Resp: 448790

Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.8

88 16.0 0.0 29.2



#35

Dibromofluoromethane

Concen: 51.857 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VU054362.D

Acq: 01 Jun 2023 01:18

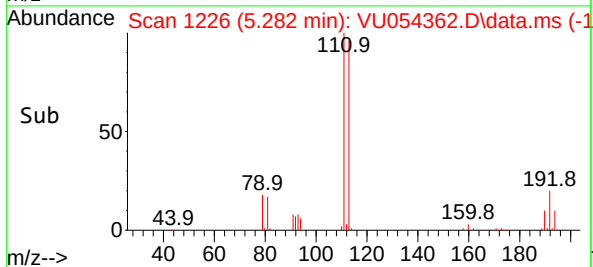
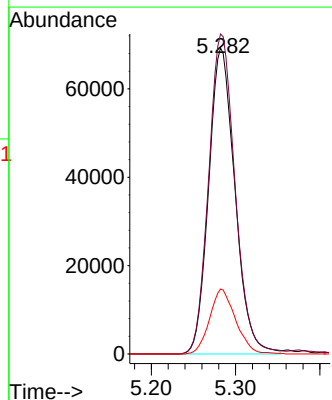
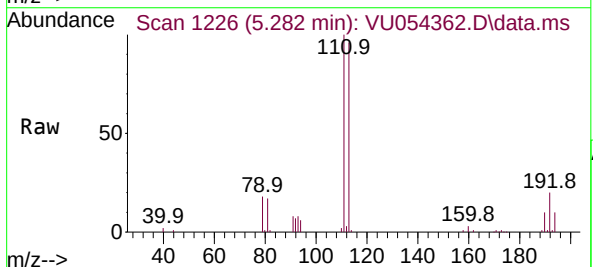
Tgt Ion:113 Resp: 149873

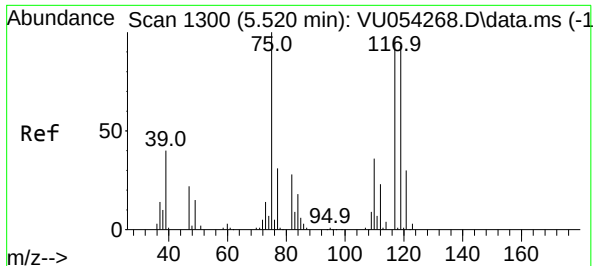
Ion Ratio Lower Upper

113 100

111 105.3 82.1 123.1

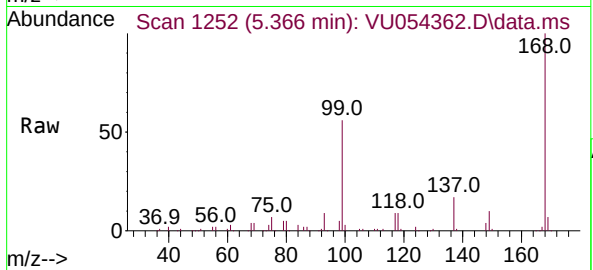
192 21.1 18.0 27.0



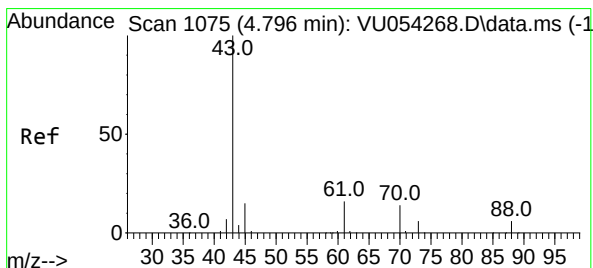
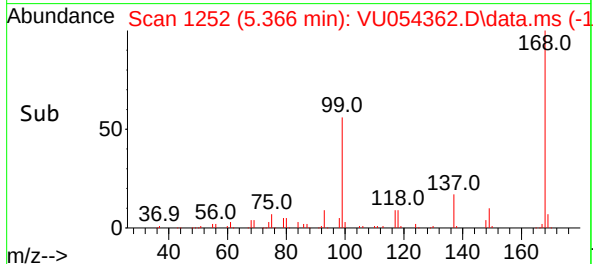
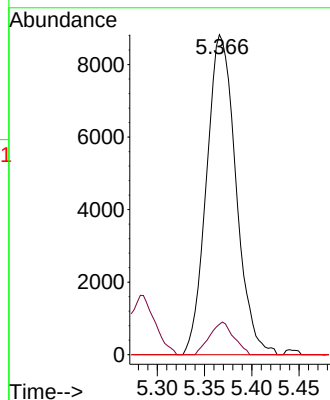


#36
1,1-Dichloropropene
Concen: 4.206 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

Instrument :
MSVOA_U
ClientSampleId :
TP-11-0A

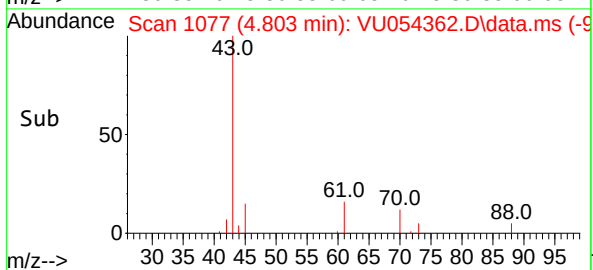
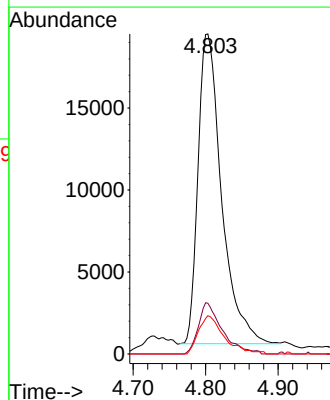
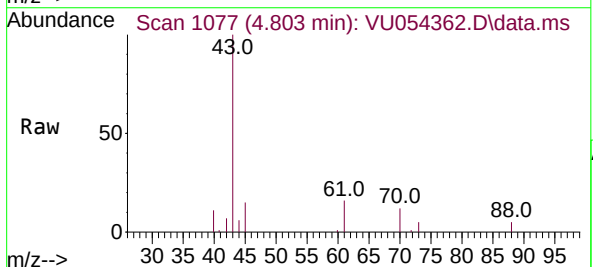


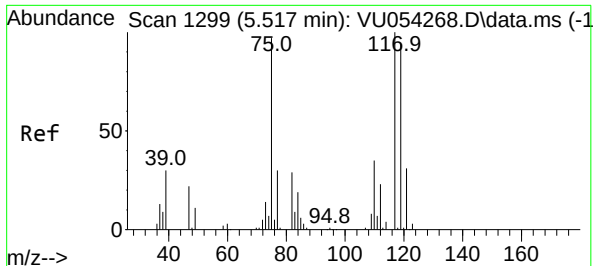
Tgt Ion: 75 Resp: 19091
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.711 ug/l
RT: 4.803 min Scan# 1077
Delta R.T. 0.007 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

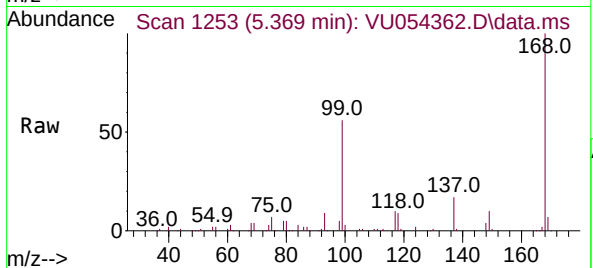
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Ion Ratio Lower Upper
43 100
61 16.6 9.5 14.3#
70 13.1 7.5 11.3#



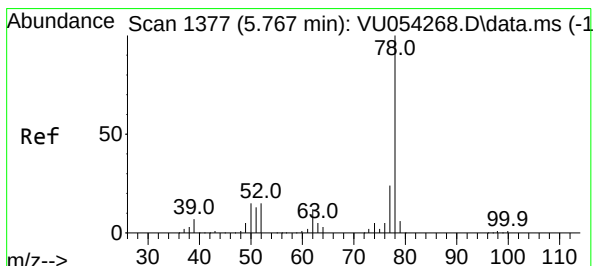
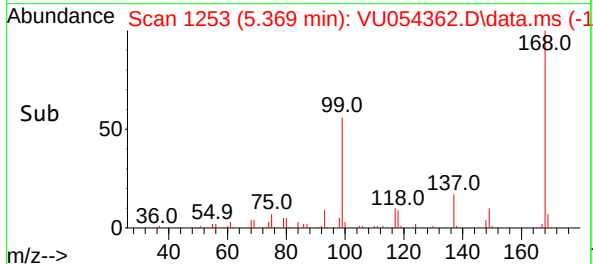
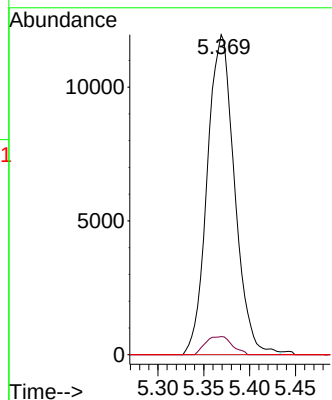


#38
Carbon Tetrachloride
Concen: 5.332 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

Instrument :
MSVOA_U
ClientSampleId :
TP-11-0A

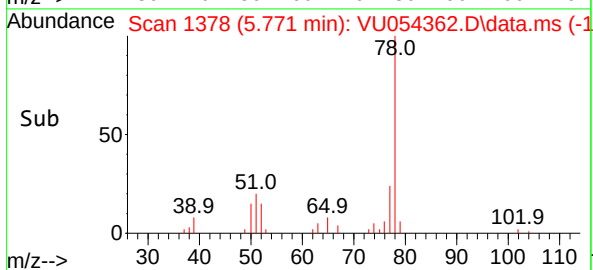
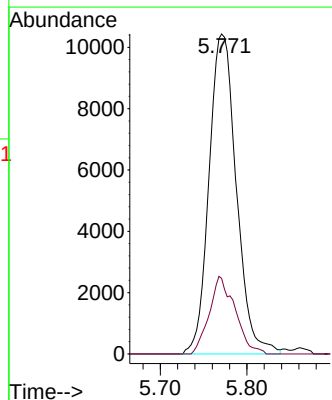
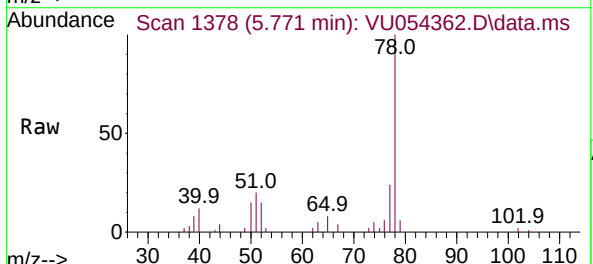


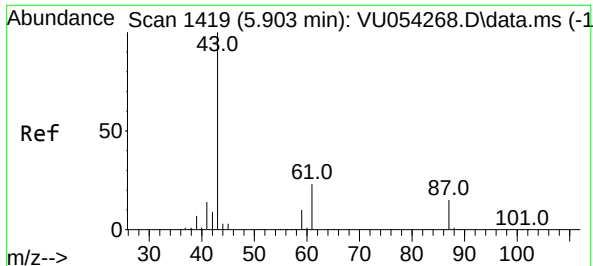
Tgt Ion:117 Resp: 24774
Ion Ratio Lower Upper
117 100
119 5.7 76.8 115.2#
121 0.0 24.7 37.1#



#40
Benzene
Concen: 1.767 ug/l
RT: 5.771 min Scan# 1378
Delta R.T. 0.004 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

Tgt Ion: 78 Resp: 22877
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2





#43

Isopropyl Acetate

Concen: 22.975 ug/l

RT: 5.906 min Scan# 1419

Delta R.T. 0.003 min

Lab File: VU054362.D

Acq: 01 Jun 2023 01:18

Instrument :

MSVOA_U

ClientSampleId :

TP-11-0A

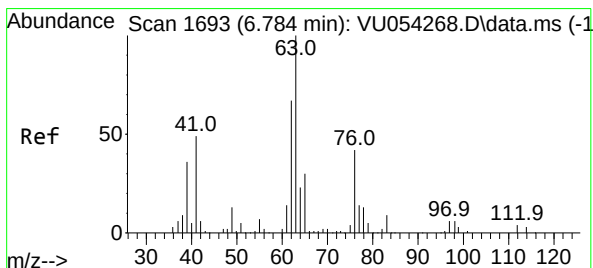
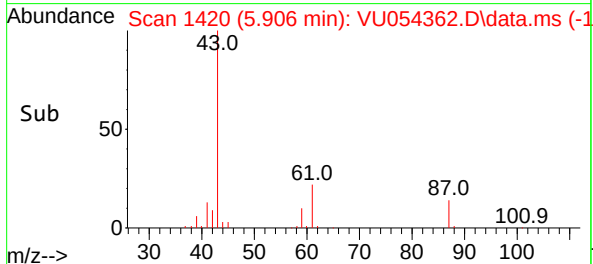
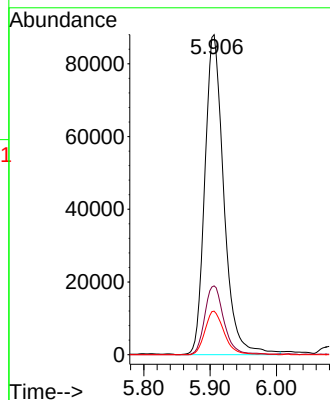
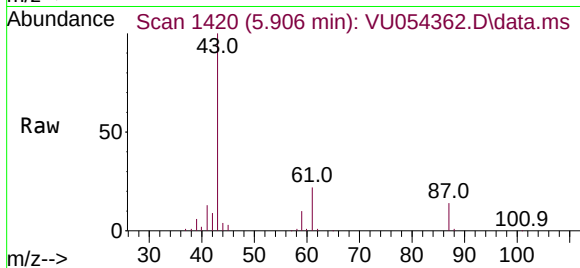
Tgt Ion: 43 Resp: 175323

Ion Ratio Lower Upper

43 100

61 21.7 17.4 26.0

87 13.7 12.6 18.8



#45

1,2-Dichloropropane

Concen: 0.713 ug/l

RT: 7.028 min Scan# 1769

Delta R.T. 0.244 min

Lab File: VU054362.D

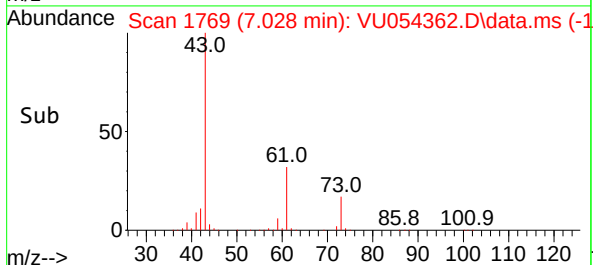
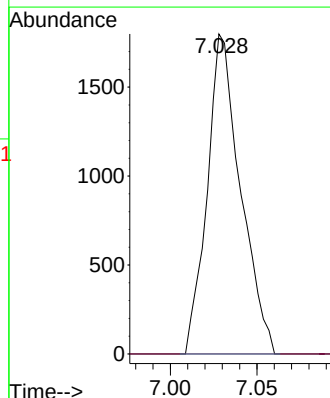
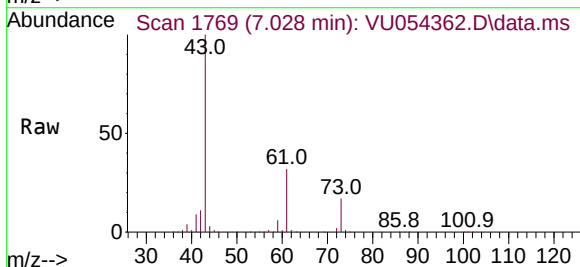
Acq: 01 Jun 2023 01:18

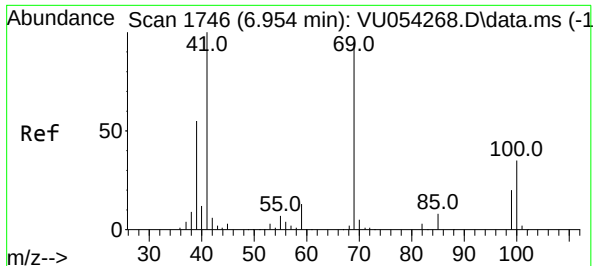
Tgt Ion: 63 Resp: 2407

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#

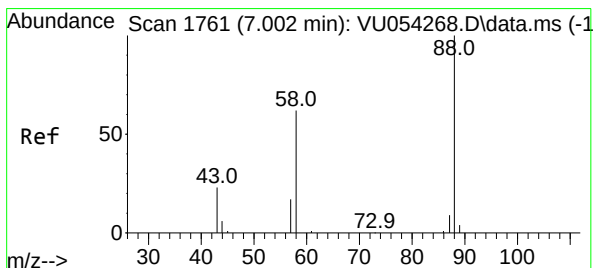
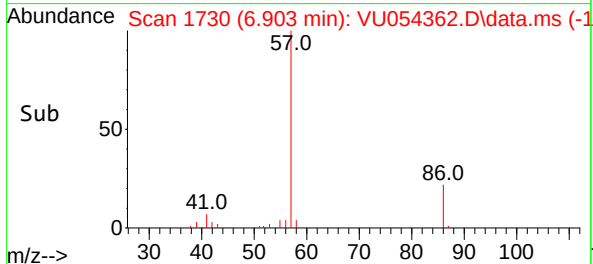
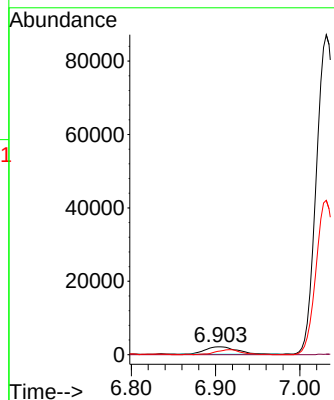
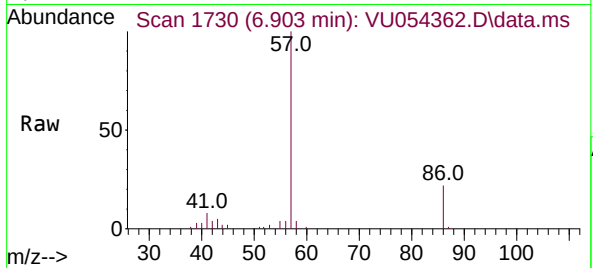




#48
Methyl methacrylate
Concen: 1.534 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.051 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

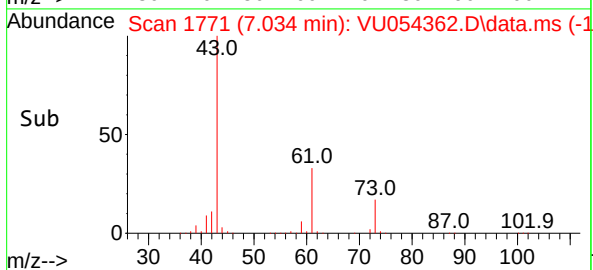
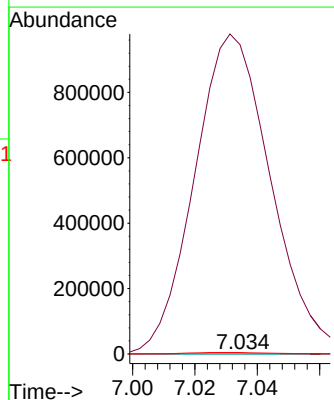
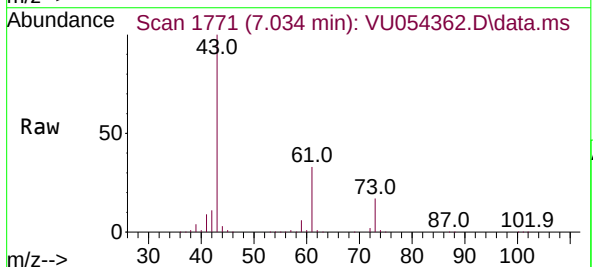
Instrument :
MSVOA_U
ClientSampleId :
TP-11-0A

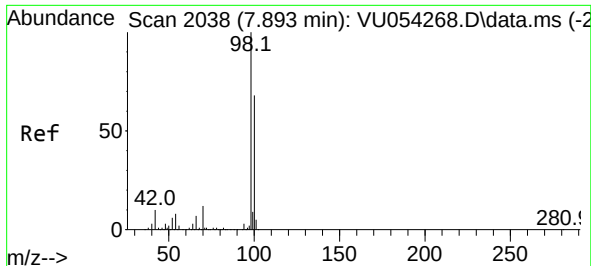
Tgt Ion: 41 Resp: 5191
Ion Ratio Lower Upper
41 100
69 0.0 79.8 119.6#
39 55.0 47.9 71.9



#49
1,4-Dioxane
Concen: 2.457 ug/l
RT: 7.034 min Scan# 1771
Delta R.T. 0.032 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

Tgt Ion: 88 Resp: 240
Ion Ratio Lower Upper
88 100
43 711030.4 0.0 0.0#
58 3577.1 15.4 23.0#

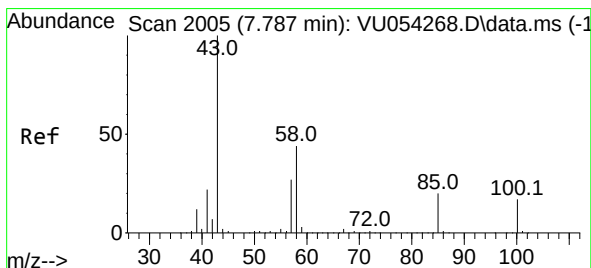
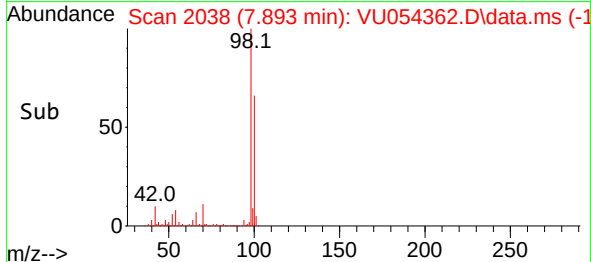
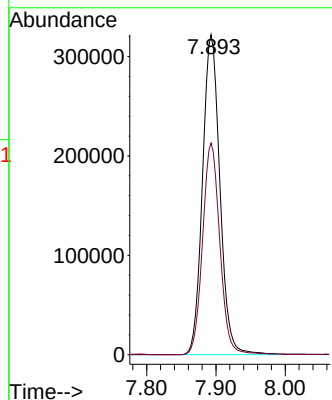
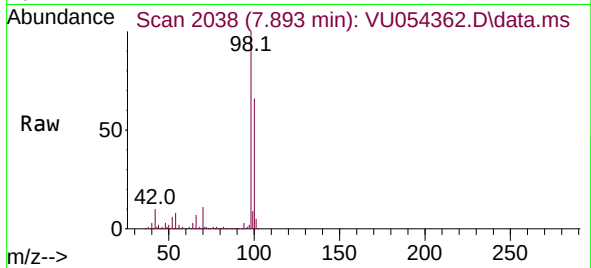




#50
Toluene-d8
Concen: 51.066 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

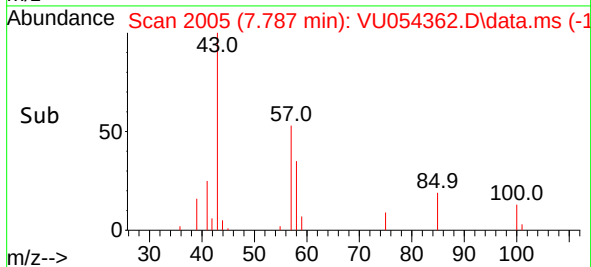
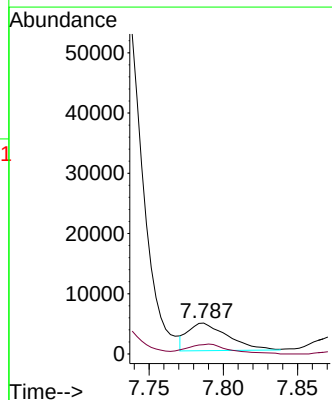
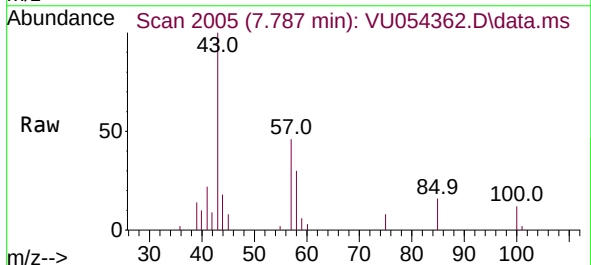
Instrument :
MSVOA_U
ClientSampleId :
TP-11-0A

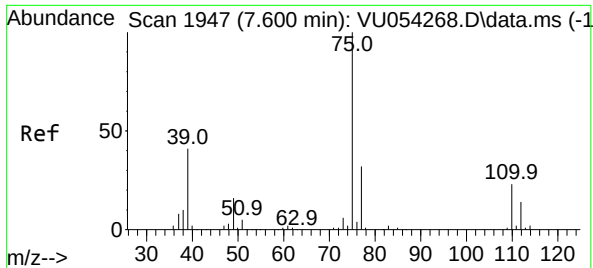
Tgt Ion: 98 Resp: 561373
Ion Ratio Lower Upper
98 100
100 65.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.681 ug/l
RT: 7.787 min Scan# 2005
Delta R.T. -0.000 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

Tgt Ion: 43 Resp: 8559
Ion Ratio Lower Upper
43 100
58 38.0 34.7 52.1





#54

cis-1,3-Dichloropropene

Concen: 10.748 ug/l

RT: 7.732 min Scan# 1947

Delta R.T. 0.132 min

Lab File: VU054362.D

Acq: 01 Jun 2023 01:18

Instrument :

MSVOA_U

ClientSampleId :

TP-11-0A

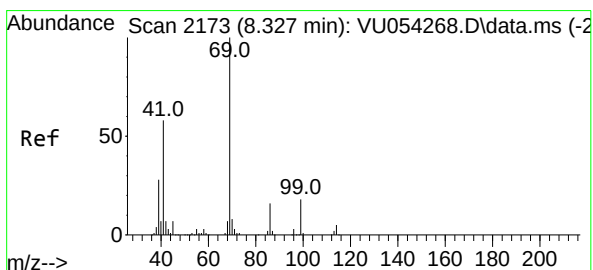
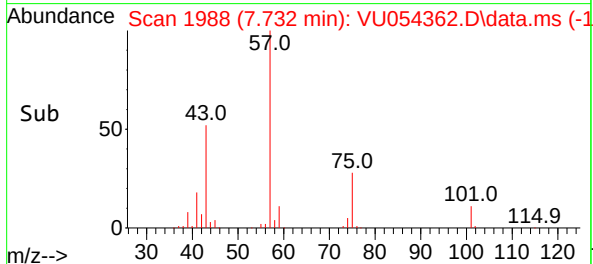
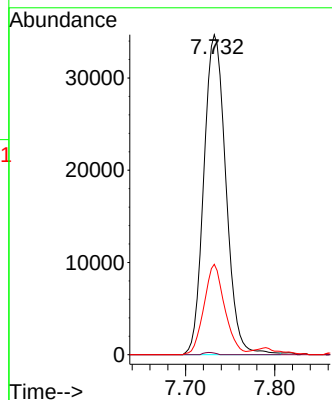
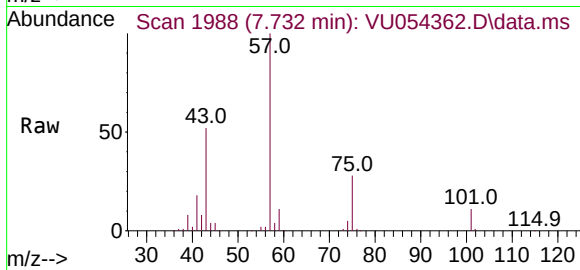
Tgt Ion: 75 Resp: 59669

Ion Ratio Lower Upper

75 100

77 0.5 25.7 38.5#

39 28.2 33.0 49.6#



#56

Ethyl methacrylate

Concen: 0.380 ug/l

RT: 8.459 min Scan# 2214

Delta R.T. 0.132 min

Lab File: VU054362.D

Acq: 01 Jun 2023 01:18

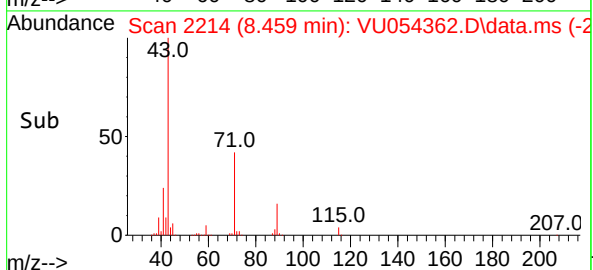
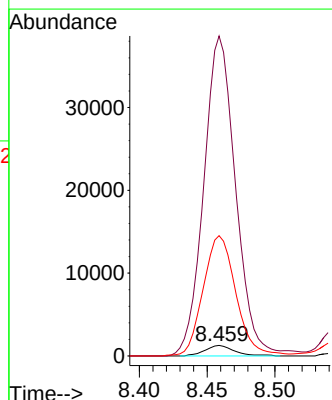
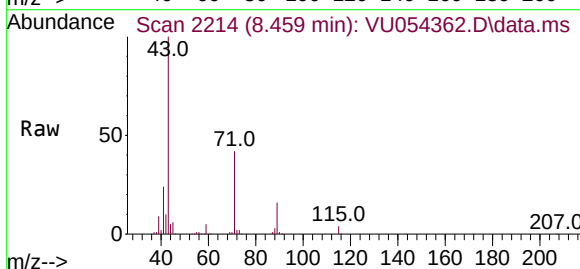
Tgt Ion: 69 Resp: 1934

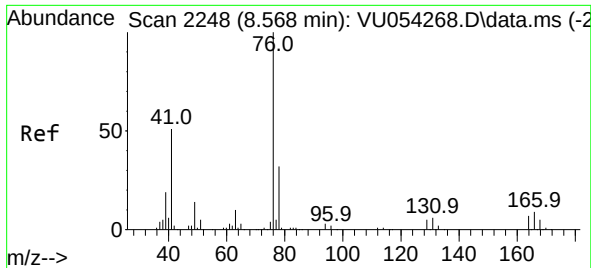
Ion Ratio Lower Upper

69 100

41 3291.2 45.4 68.0#

39 1264.0 25.7 38.5#





#57

1,3-Dichloropropane

Concen: 1.347 ug/l

RT: 8.719 min Scan# 21

Delta R.T. 0.151 min

Lab File: VU054362.D

Acq: 01 Jun 2023 01:18

Instrument :

MSVOA_U

ClientSampleId :

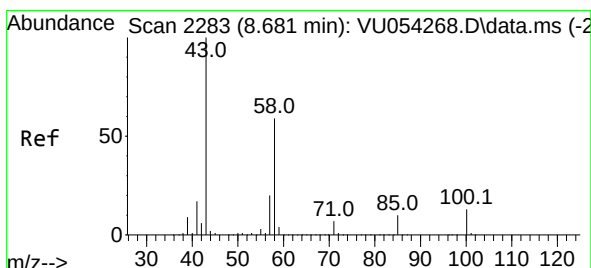
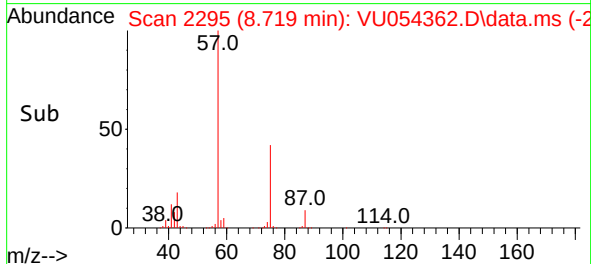
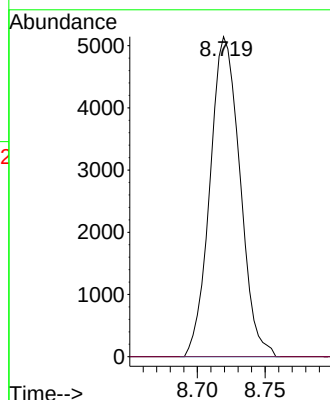
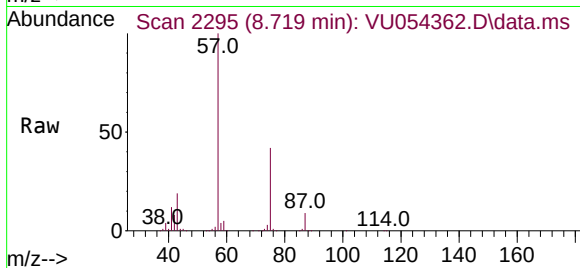
TP-11-0A

Tgt Ion: 76 Resp: 7935

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 25.424 ug/l

RT: 8.722 min Scan# 2296

Delta R.T. 0.041 min

Lab File: VU054362.D

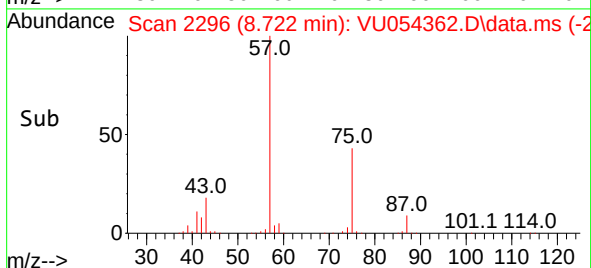
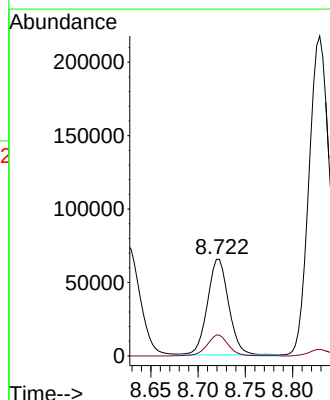
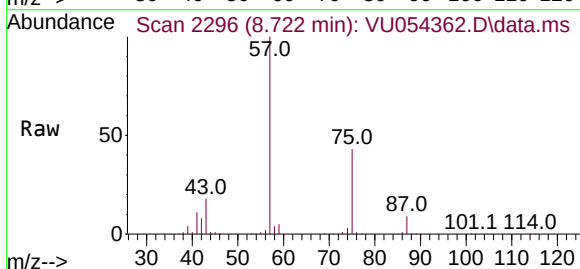
Acq: 01 Jun 2023 01:18

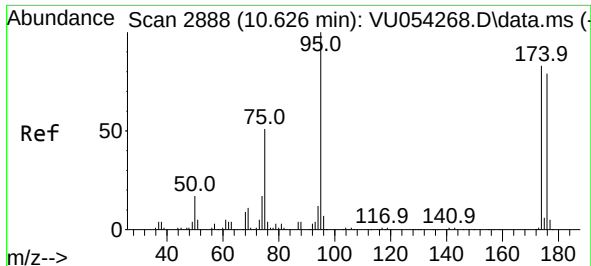
Tgt Ion: 43 Resp: 102275

Ion Ratio Lower Upper

43 100

58 22.2 30.3 90.8#

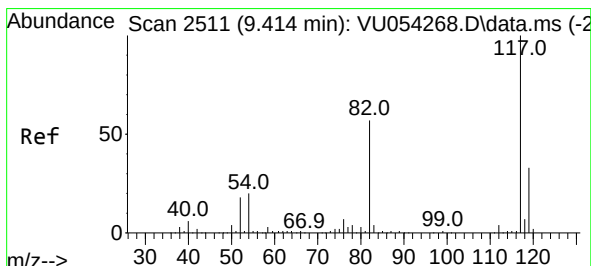
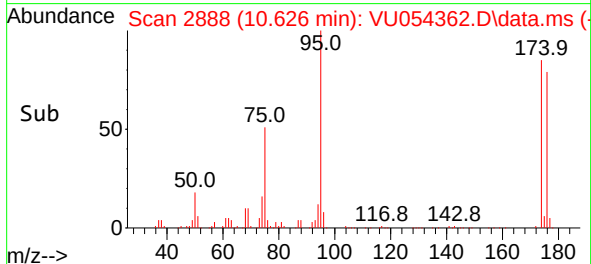
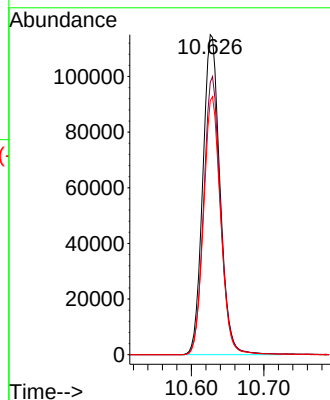
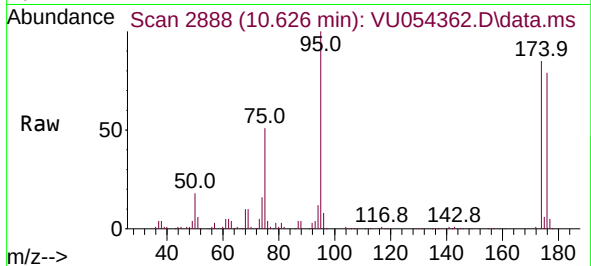




#62
4-Bromofluorobenzene
Concen: 44.418 ug/l
RT: 10.626 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

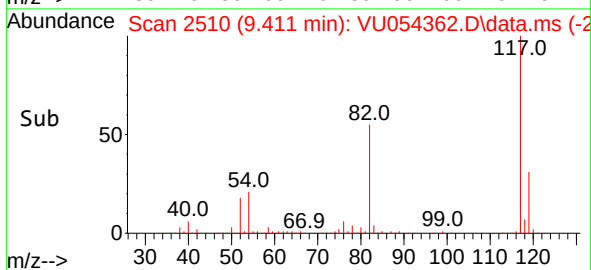
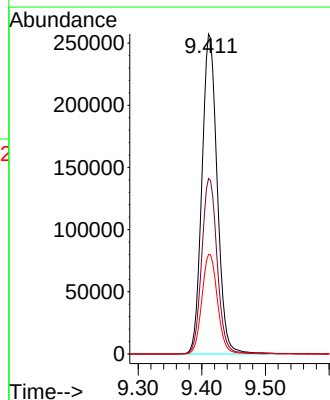
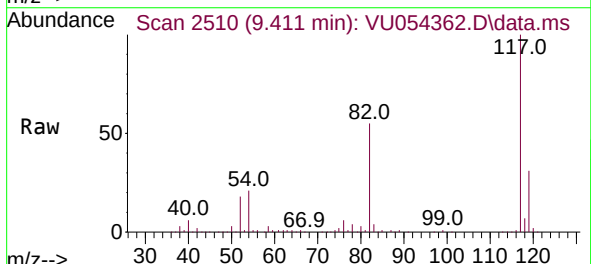
Instrument :
MSVOA_U
ClientSampleId :
TP-11-0A

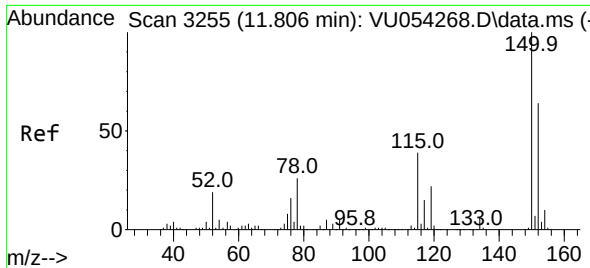
Tgt Ion: 95 Resp: 189330
Ion Ratio Lower Upper
95 100
174 85.6 0.0 182.0
176 80.2 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.411 min Scan# 2510
Delta R.T. -0.003 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

Tgt Ion: 117 Resp: 429597
Ion Ratio Lower Upper
117 100
82 54.8 41.7 62.5
119 31.1 25.7 38.5

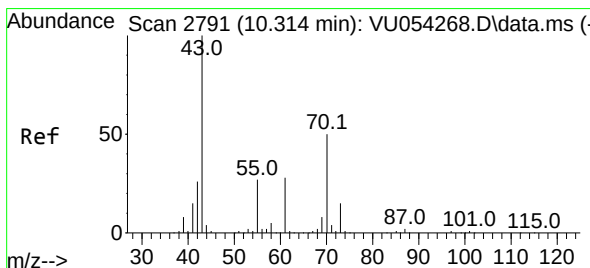
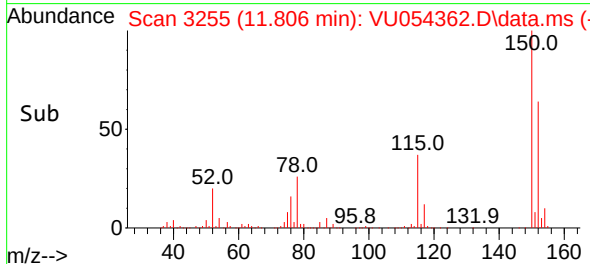
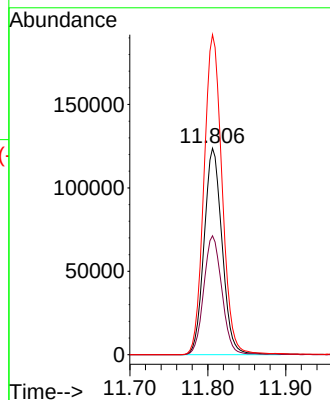
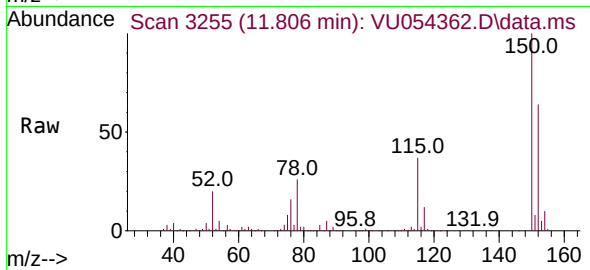




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.806 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054362.D
 Acq: 01 Jun 2023 01:18

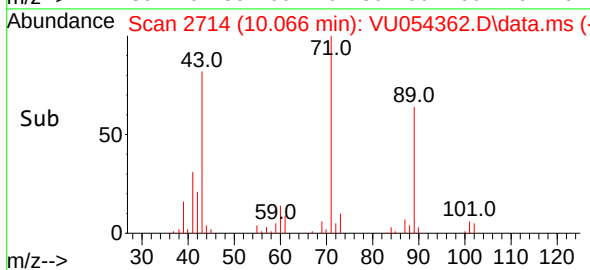
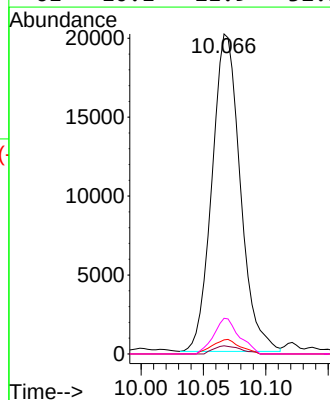
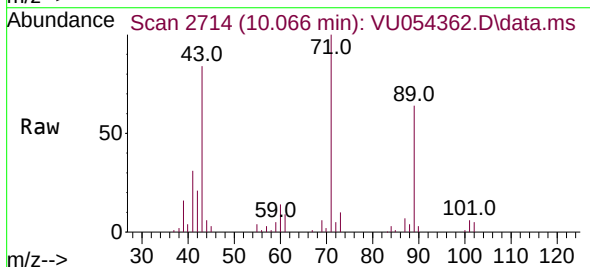
Instrument :
 MSVOA_U
 ClientSampleId :
 TP-11-0A

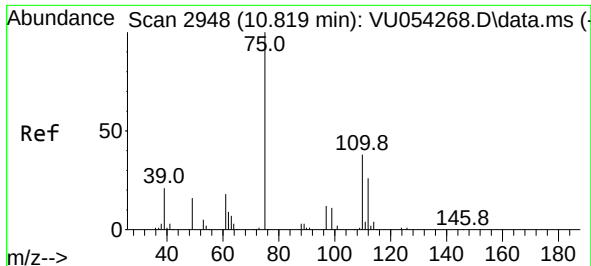
Tgt Ion:152 Resp: 198669
 Ion Ratio Lower Upper
 152 100
 115 57.9 37.0 110.9
 150 155.9 0.0 342.2



#74
 N-ethyl acetate
 Concen: 6.080 ug/l
 RT: 10.066 min Scan# 2714
 Delta R.T. -0.248 min
 Lab File: VU054362.D
 Acq: 01 Jun 2023 01:18

Tgt Ion: 43 Resp: 31766
 Ion Ratio Lower Upper
 43 100
 70 2.5 38.7 58.1#
 55 4.5 21.8 32.8#
 61 10.1 21.9 32.9#

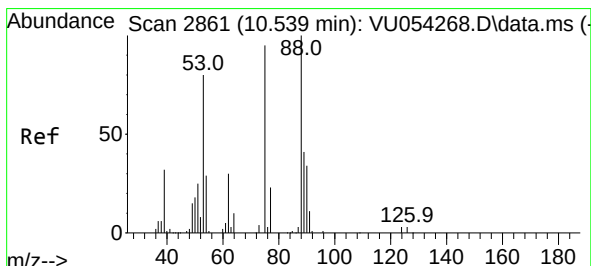
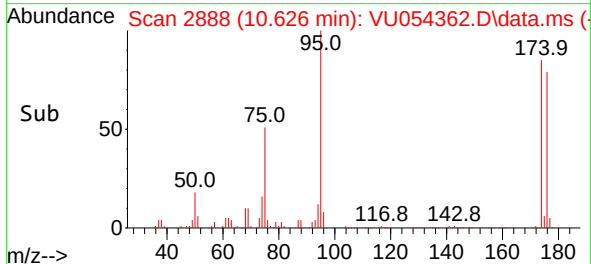
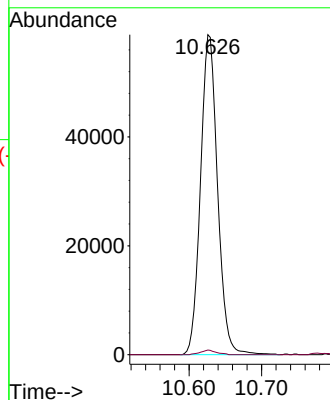
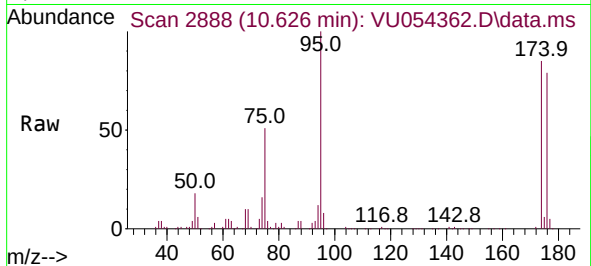




#76
1,2,3-Trichloropropane
Concen: 16.541 ug/l
RT: 10.626 min Scan# 21
Delta R.T. -0.193 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

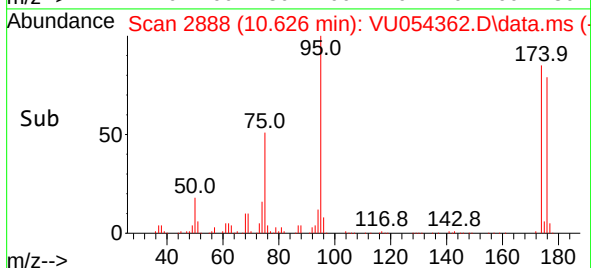
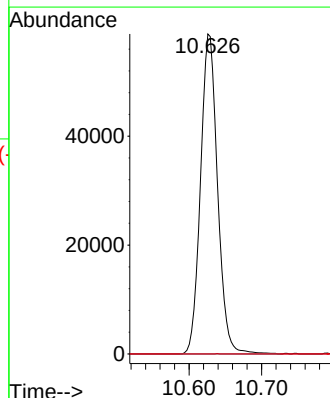
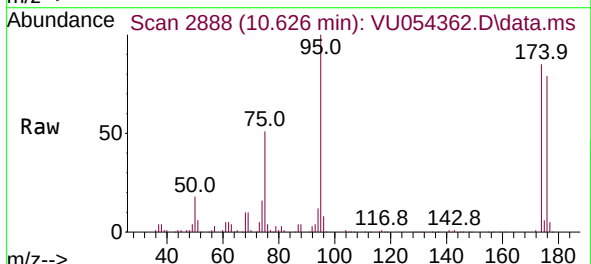
Instrument :
MSVOA_U
ClientSampleId :
TP-11-0A

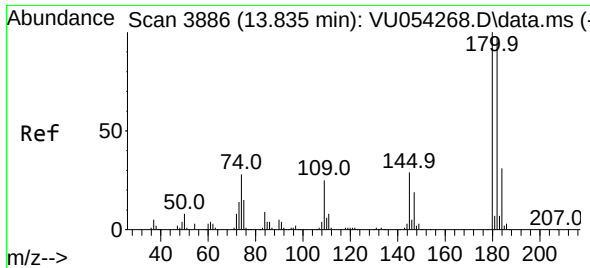
Tgt Ion: 75 Resp: 95908
Ion Ratio Lower Upper
75 100
77 1.3 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.986 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. 0.087 min
Lab File: VU054362.D
Acq: 01 Jun 2023 01:18

Tgt Ion: 75 Resp: 95908
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

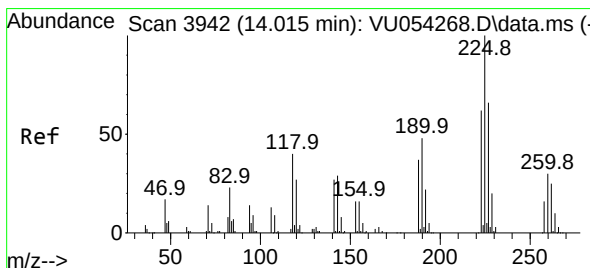
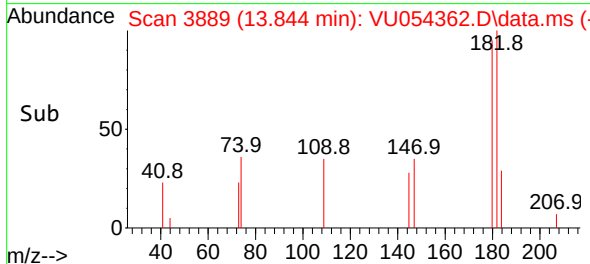
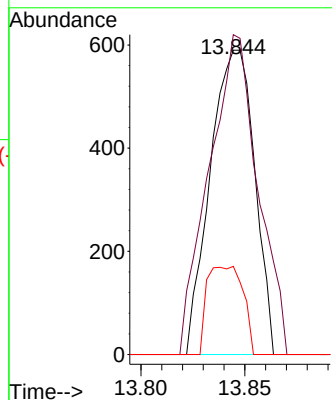
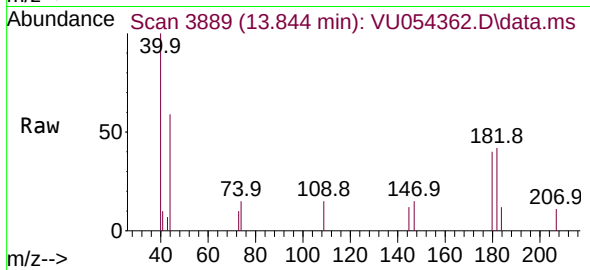




#93
 1,2,4-Trichlorobenzene
 Concen: 1.829 ug/l
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.009 min
 Lab File: VU054362.D
 Acq: 01 Jun 2023 01:18

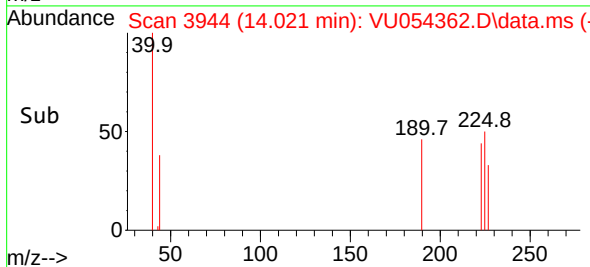
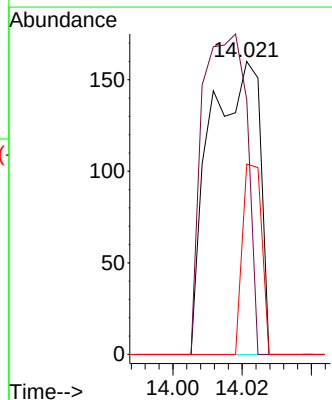
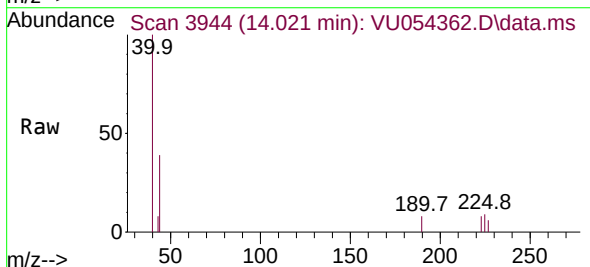
Instrument :
 MSVOA_U
 ClientSampleId :
 TP-11-0A

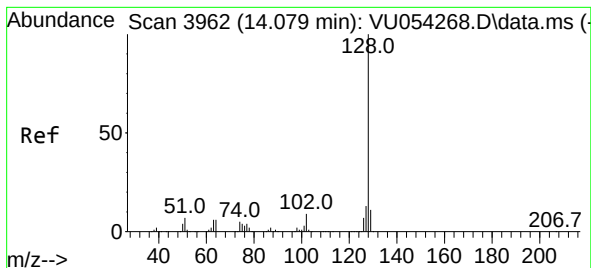
Tgt Ion:180	Resp:	877
Ion	Ratio	Lower Upper
180	100	
182	115.4	47.9 143.6
145	23.4	14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 0.894 ug/l
 RT: 14.021 min Scan# 3944
 Delta R.T. 0.006 min
 Lab File: VU054362.D
 Acq: 01 Jun 2023 01:18

Tgt Ion:225	Resp:	158
Ion	Ratio	Lower Upper
225	100	
223	97.5	31.3 93.9#
227	25.3	32.0 96.2#





#95

Naphthalene

Concen: 2.258 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.013 min

Lab File: VU054362.D

Acq: 01 Jun 2023 01:18

Instrument :

MSVOA_U

ClientSampleId :

TP-11-0A

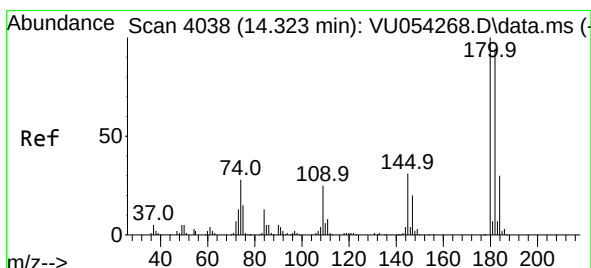
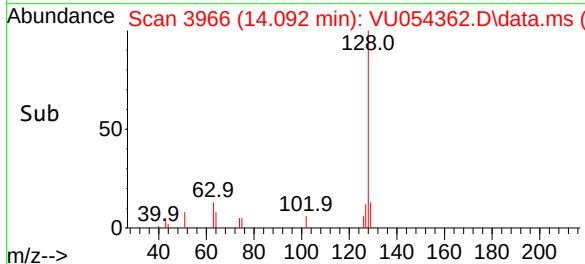
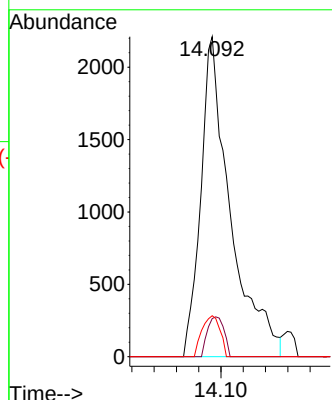
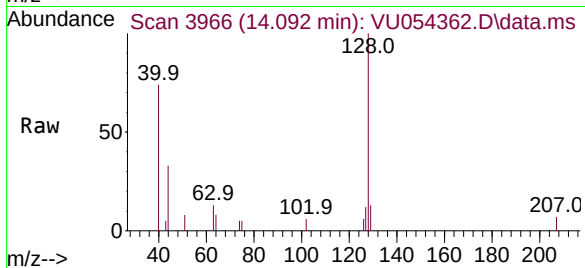
Tgt Ion:128 Resp: 4086

Ion Ratio Lower Upper

128 100

127 7.0 10.3 15.5#

129 7.8 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.450 ug/l

RT: 14.327 min Scan# 4039

Delta R.T. 0.004 min

Lab File: VU054362.D

Acq: 01 Jun 2023 01:18

Tgt Ion:180 Resp: 905

Ion Ratio Lower Upper

180 100

182 103.2 48.4 145.0

145 29.3 14.8 44.4

