

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111221\
 Data File : VU045781.D
 Acq On : 12 Nov 2021 19:49
 Operator : SY/MD
 Sample : M4640-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 05:24:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

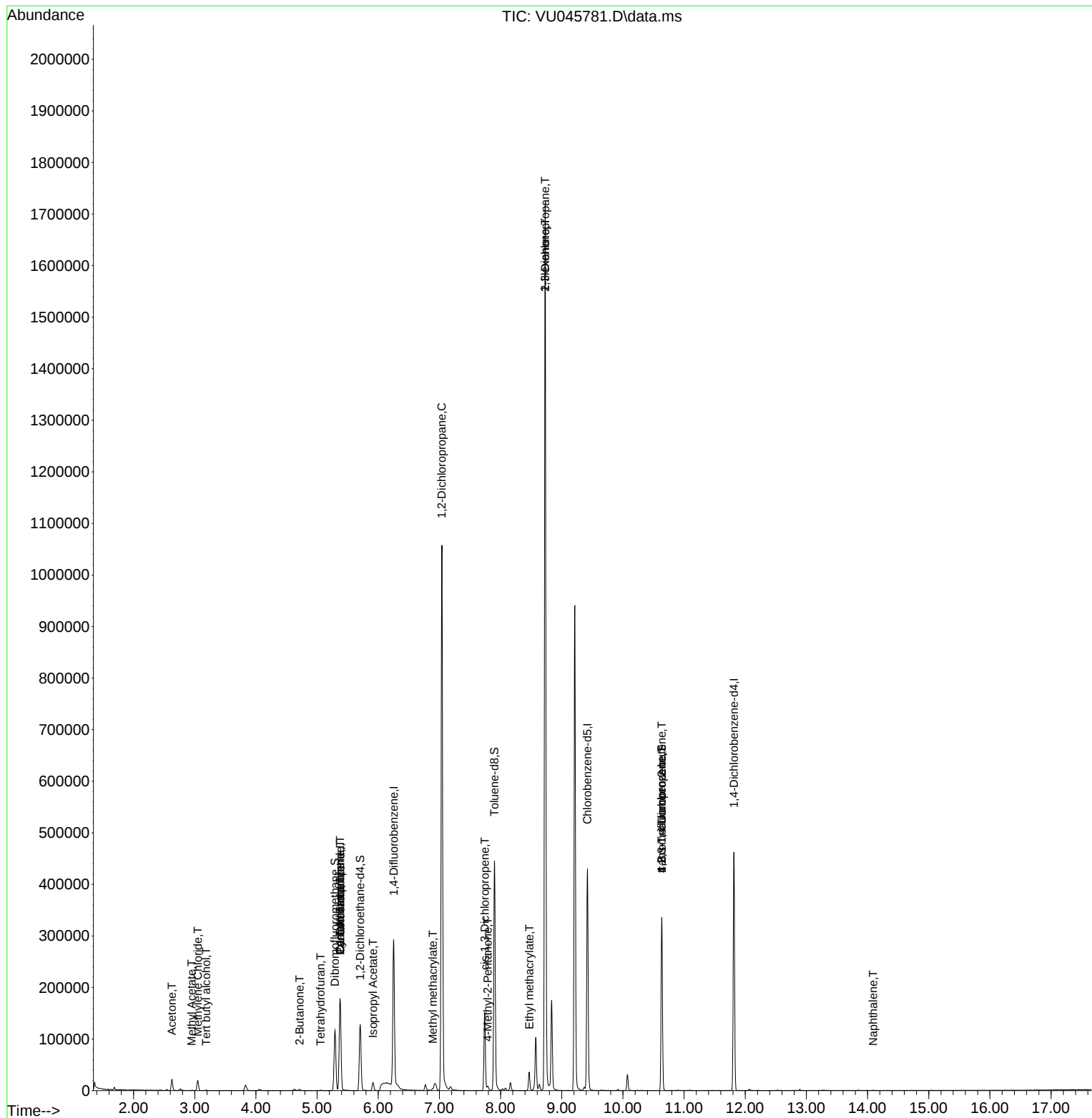
Internal Standards						
1) Pentafluorobenzene	5.379	168	114458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	220312	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	230244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	113157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	95093	55.476	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.960%			
35) Dibromofluoromethane	5.292	113	74716	50.796	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	7.899	98	295248	53.980	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.960%			
62) 4-Bromofluorobenzene	10.636	95	110970	50.596	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.200%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.186	59	1043	3.074	ug/l #	72
16) Acetone	2.626	43	24407	27.971	ug/l	97
18) Methyl Acetate	2.948	43	1211	0.407	ug/l #	77
20) Methylene Chloride	3.051	84	9739	6.423	ug/l	96
25) 2-Butanone	4.713	43	3650	3.016	ug/l	92
29) Tetrahydrofuran	5.057	42	604	0.816	ug/l #	64
31) Cyclohexane	5.375	56	2747	1.098	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	10571	4.921	ug/l #	50
38) Carbon Tetrachloride	5.375	117	12795	5.908	ug/l #	16
43) Isopropyl Acetate	5.916	43	17011	4.507	ug/l	98
45) 1,2-Dichloropropane	7.038	63	1312	0.780	ug/l #	43
48) Methyl methacrylate	6.893	41	5679	3.269	ug/l #	13
51) 4-Methyl-2-Pentanone	7.790	43	5389	2.164	ug/l	89
54) cis-1,3-Dichloropropene	7.742	75	26865	9.947	ug/l #	62
56) Ethyl methacrylate	8.472	69	113	2.461	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	17519	6.027	ug/l #	42
59) 2-Hexanone	8.729	43	221387	106.643	ug/l #	49
76) 1,2,3-Trichloropropane	10.636	75	58653	17.092	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.636	75	58653	55.634	ug/l #	12
95) Naphthalene	14.092	128	616	1.095	ug/l #	79

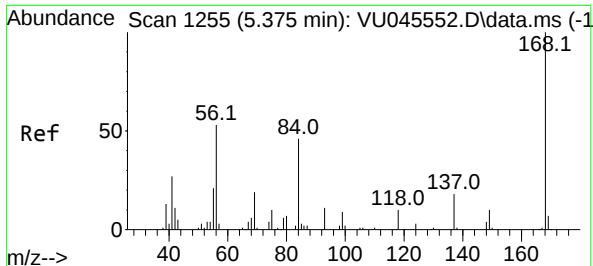
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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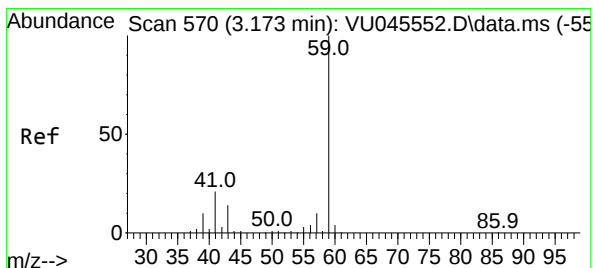
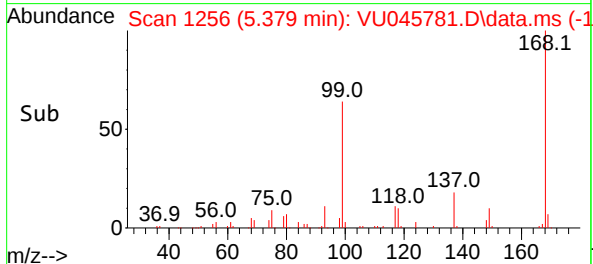
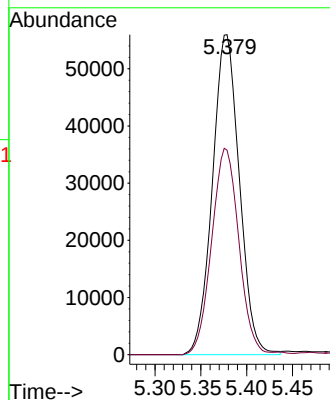
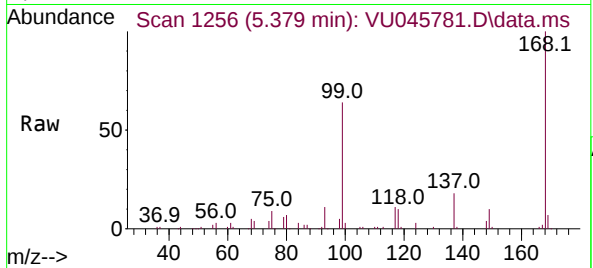




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU045781.D
Acq: 12 Nov 2021 19:49

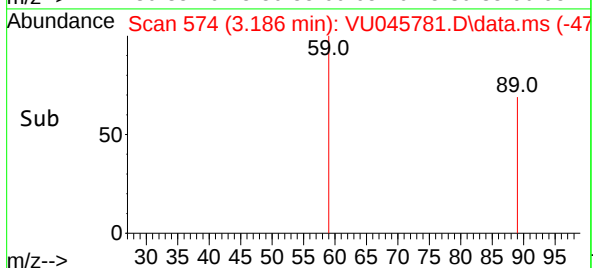
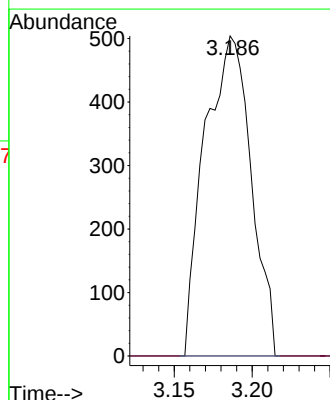
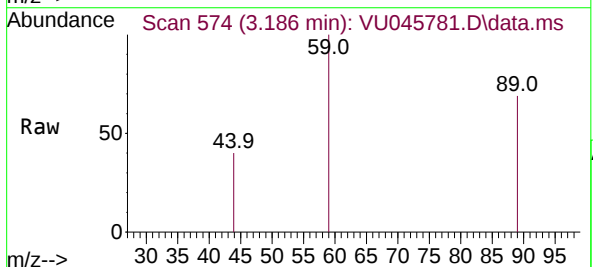
Instrument :
MSVOA_U
ClientSampleId :

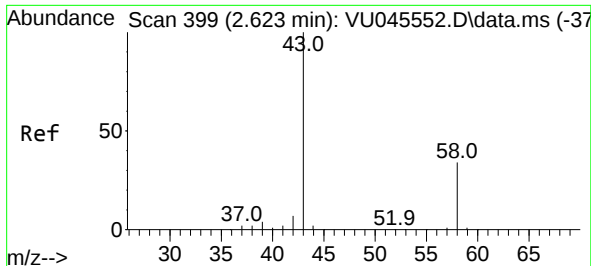
Tgt Ion:168 Resp: 114458
Ion Ratio Lower Upper
168 100
99 63.9 51.0 76.6



#11
Tert butyl alcohol
Concen: 3.074 ug/l
RT: 3.186 min Scan# 574
Delta R.T. 0.013 min
Lab File: VU045781.D
Acq: 12 Nov 2021 19:49

Tgt Ion: 59 Resp: 1043
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

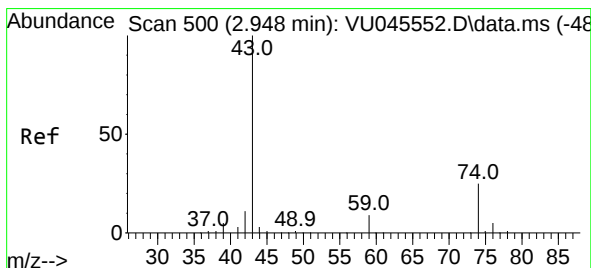
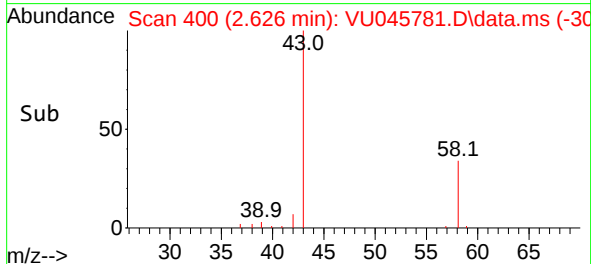
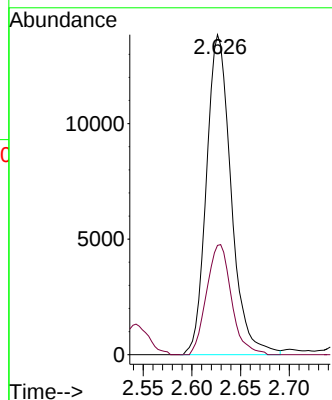
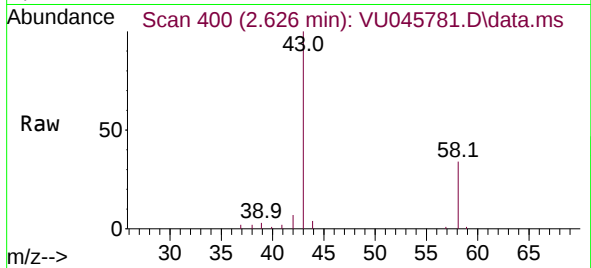




#16
Acetone
Concen: 27.971 ug/l
RT: 2.626 min Scan# 40
Delta R.T. 0.003 min
Lab File: VU045781.D
Acq: 12 Nov 2021 19:49

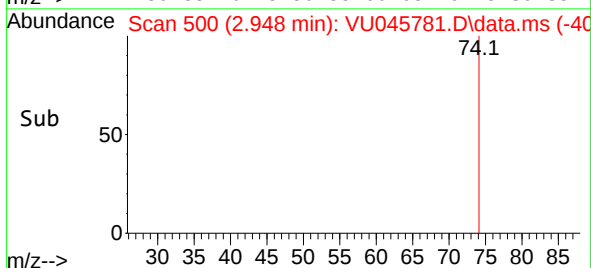
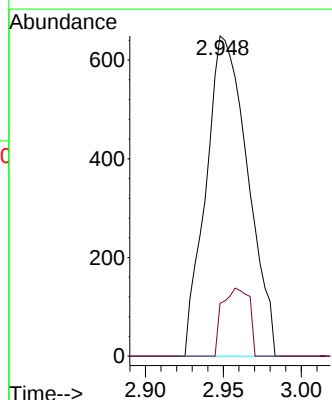
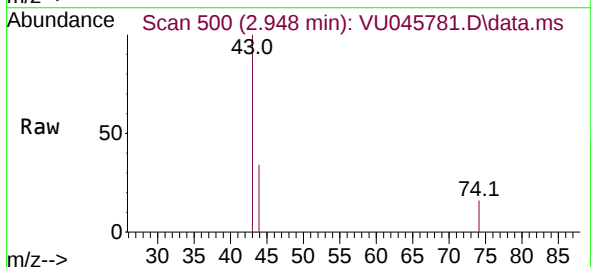
Instrument :
MSVOA_U
ClientSampleId :

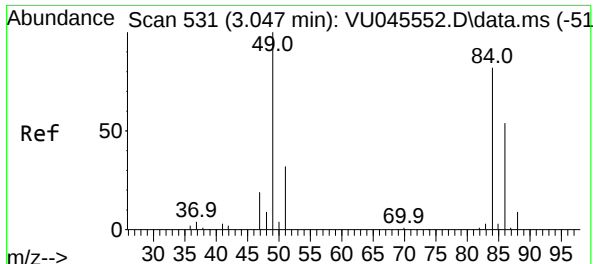
Tgt Ion: 43 Resp: 24407
Ion Ratio Lower Upper
43 100
58 34.2 26.2 39.2



#18
Methyl Acetate
Concen: 0.407 ug/l
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU045781.D
Acq: 12 Nov 2021 19:49

Tgt Ion: 43 Resp: 1211
Ion Ratio Lower Upper
43 100
74 13.7 20.2 30.2#





#20

Methylene Chloride

Concen: 6.423 ug/l

RT: 3.051 min Scan# 51

Delta R.T. 0.003 min

Lab File: VU045781.D

Acq: 12 Nov 2021 19:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 84 Resp: 9739

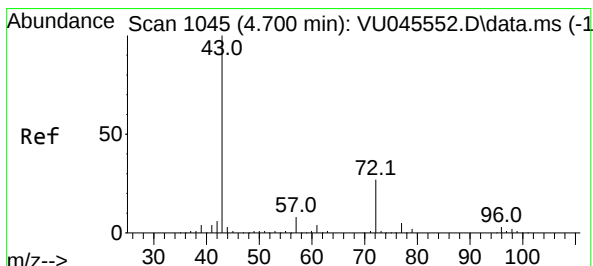
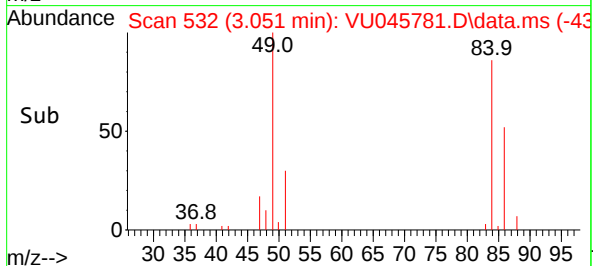
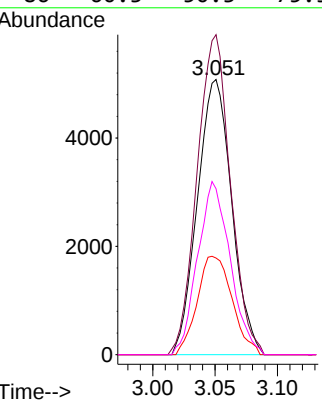
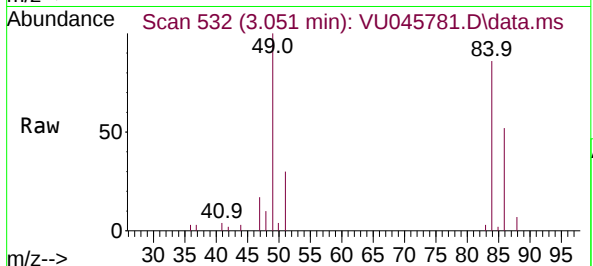
Ion Ratio Lower Upper

84 100

49 116.3 96.4 144.6

51 35.1 30.5 45.7

86 60.3 50.3 75.5



#25

2-Butanone

Concen: 3.016 ug/l

RT: 4.713 min Scan# 1049

Delta R.T. 0.013 min

Lab File: VU045781.D

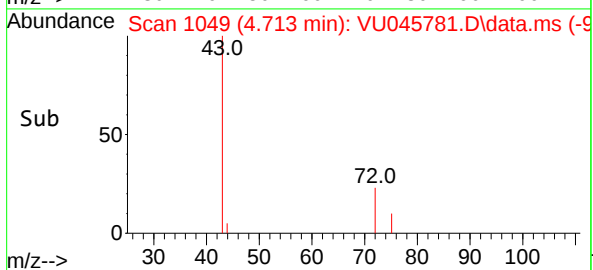
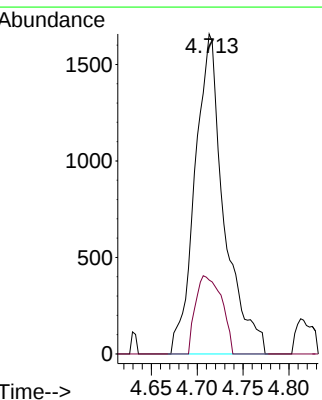
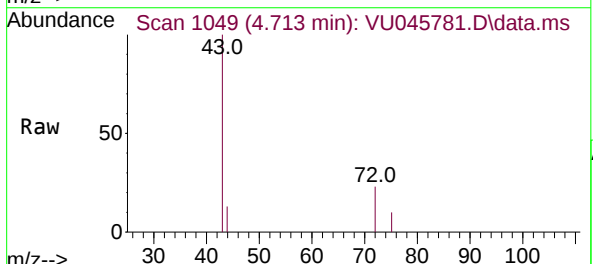
Acq: 12 Nov 2021 19:49

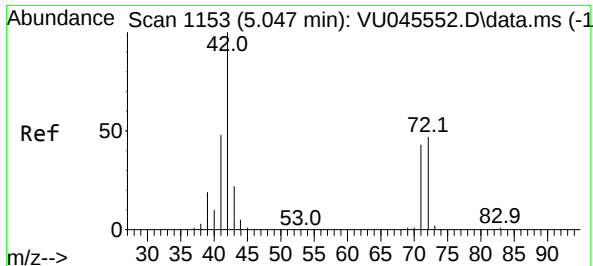
Tgt Ion: 43 Resp: 3650

Ion Ratio Lower Upper

43 100

72 23.1 22.0 33.0





#29

Tetrahydrofuran

Concen: 0.816 ug/l

RT: 5.057 min Scan# 1153

Delta R.T. 0.010 min

Lab File: VU045781.D

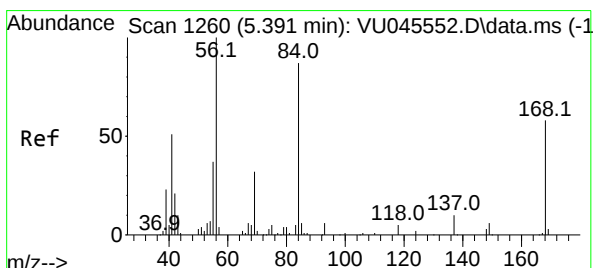
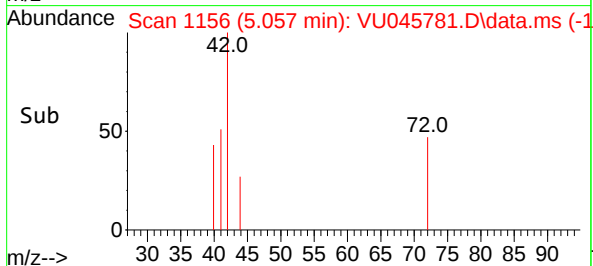
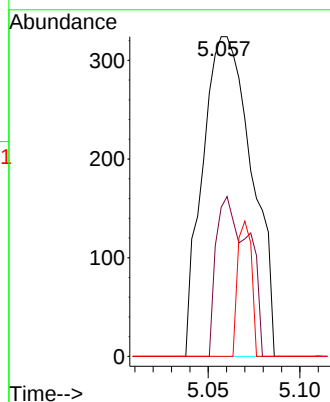
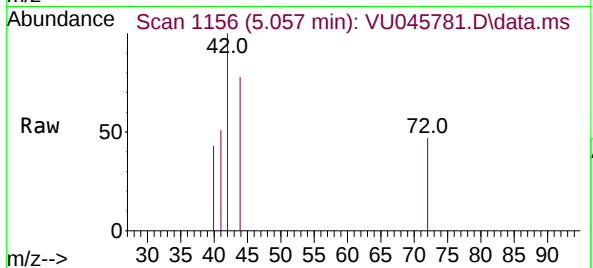
Acq: 12 Nov 2021 19:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	42	Resp:	604
Ion	Ratio	Lower	Upper
42	100		
72	32.8	38.2	57.4#
71	11.9	35.4	53.2#



#31

Cyclohexane

Concen: 1.098 ug/l

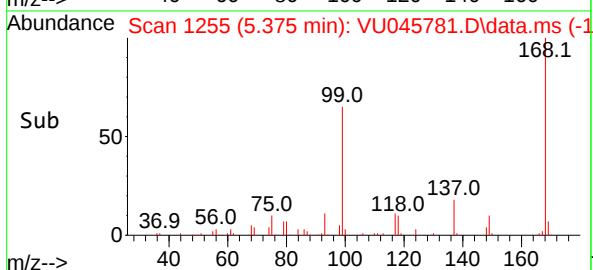
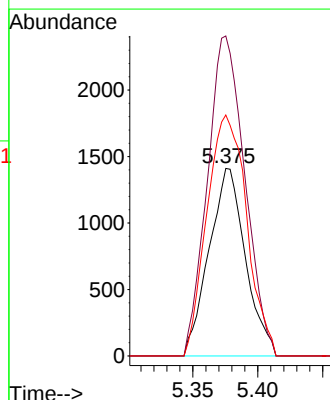
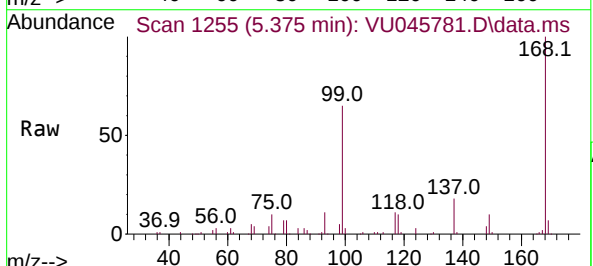
RT: 5.375 min Scan# 1255

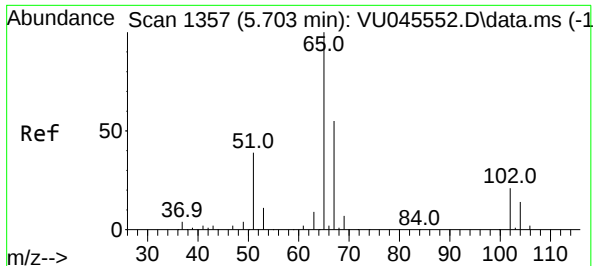
Delta R.T. -0.016 min

Lab File: VU045781.D

Acq: 12 Nov 2021 19:49

Tgt Ion:	56	Resp:	2747
Ion	Ratio	Lower	Upper
56	100		
69	170.6	26.4	39.6#
84	128.5	68.4	102.6#





#33

1,2-Dichloroethane-d4

Concen: 55.476 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045781.D

Acq: 12 Nov 2021 19:49

Instrument :

MSVOA_U

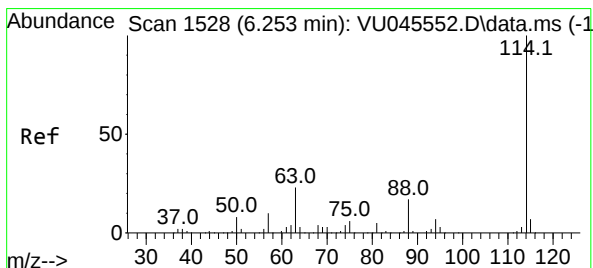
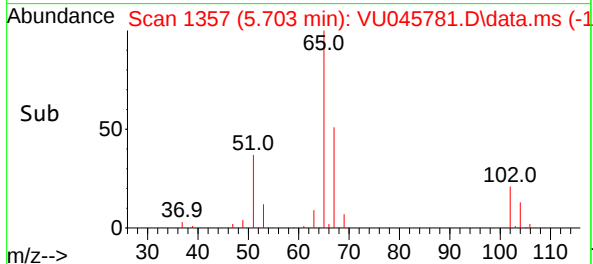
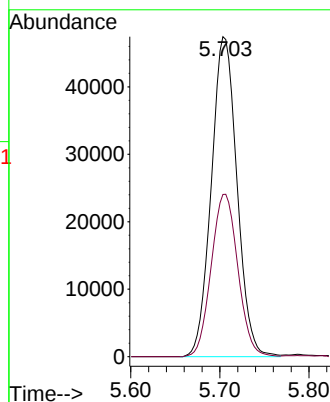
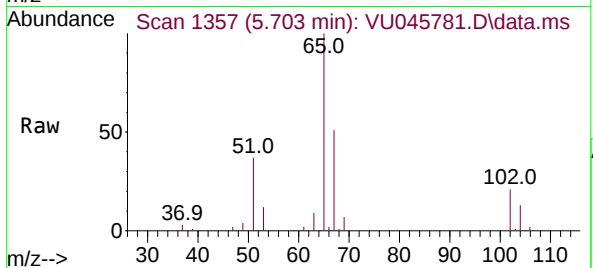
ClientSampleId :

Tgt Ion: 65 Resp: 95093

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045781.D

Acq: 12 Nov 2021 19:49

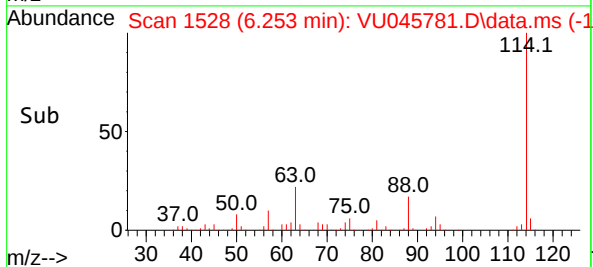
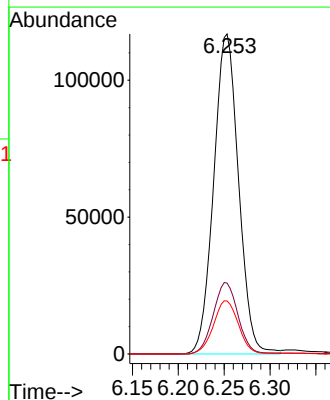
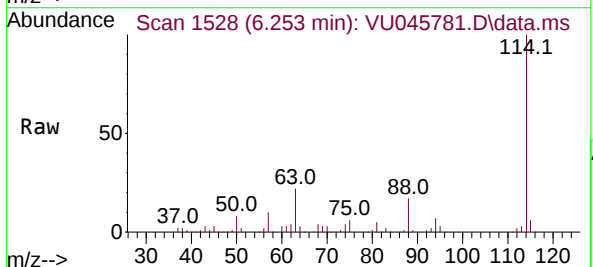
Tgt Ion: 114 Resp: 220312

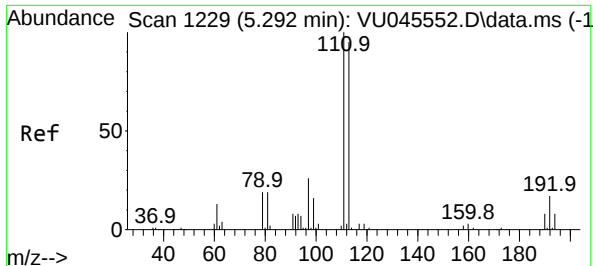
Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.6

88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.796 ug/l

RT: 5.292 min Scan# 11

Delta R.T. 0.000 min

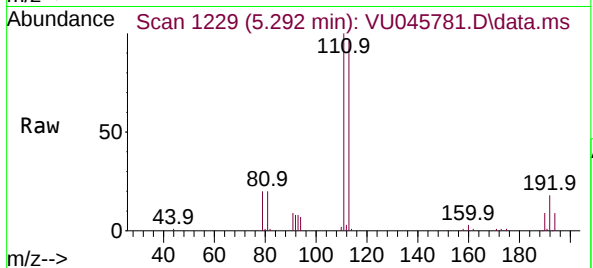
Lab File: VU045781.D

Acq: 12 Nov 2021 19:49

Instrument :

MSVOA_U

ClientSampleId :



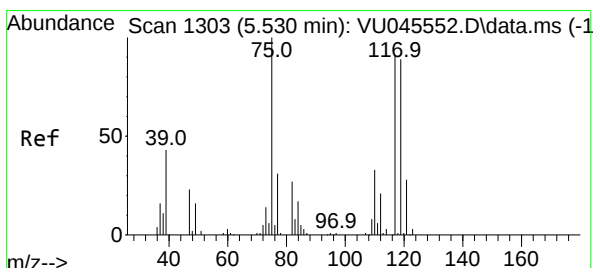
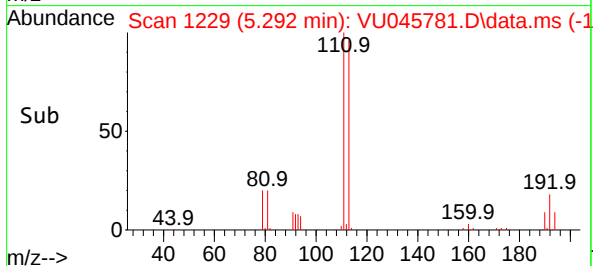
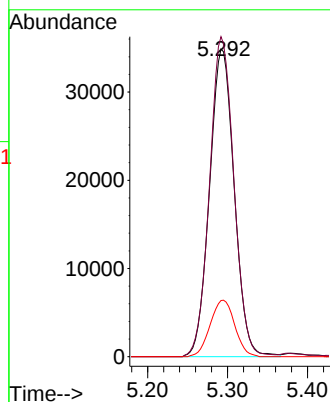
Tgt Ion:113 Resp: 74716

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 18.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.921 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045781.D

Acq: 12 Nov 2021 19:49

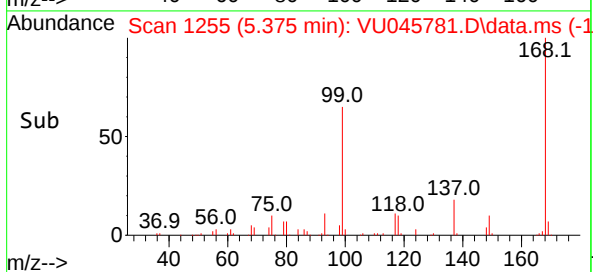
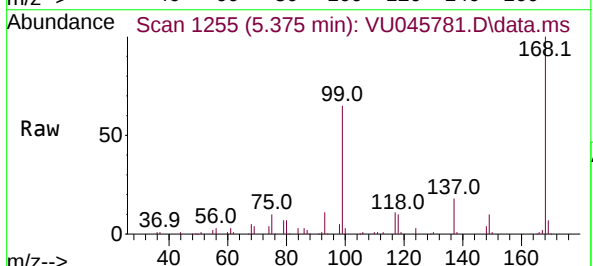
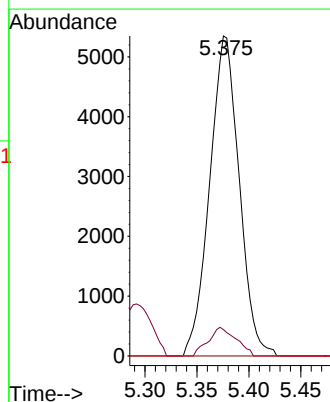
Tgt Ion: 75 Resp: 10571

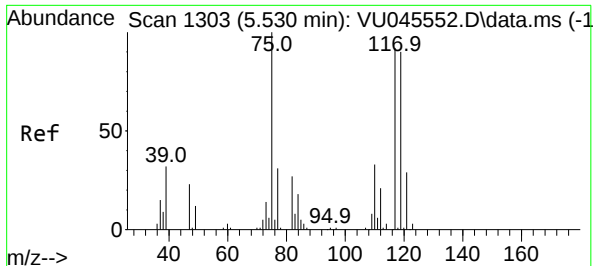
Ion Ratio Lower Upper

75 100

110 8.4 16.7 50.0#

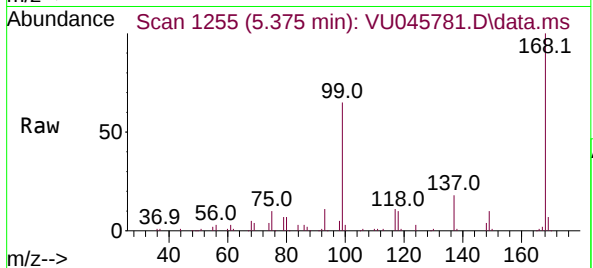
77 0.0 25.0 37.4#



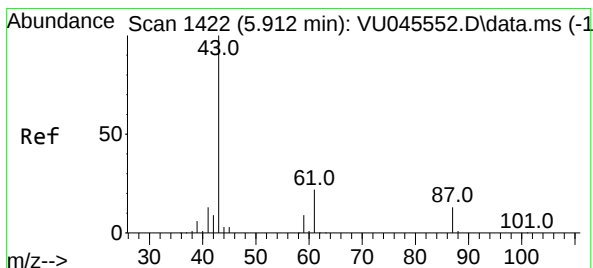
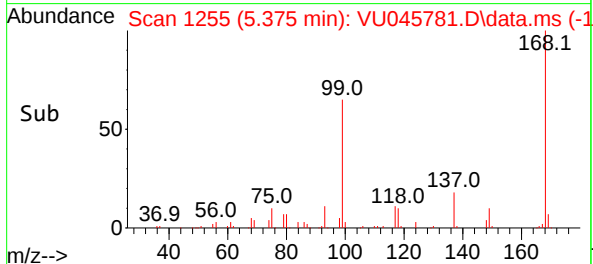
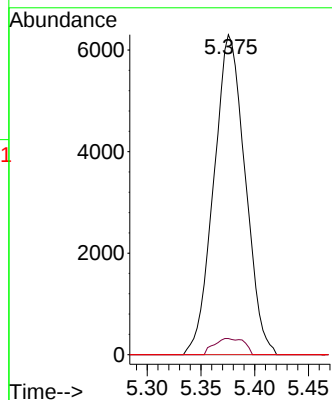


#38
Carbon Tetrachloride
Concen: 5.908 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU045781.D
Acq: 12 Nov 2021 19:49

Instrument :
MSVOA_U
ClientSampleId :

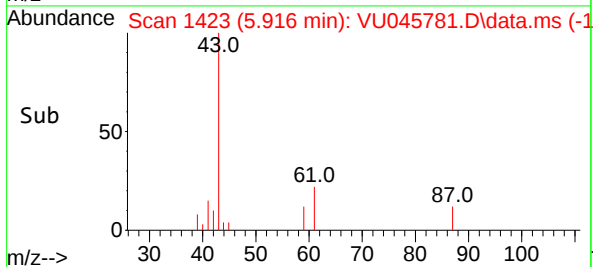
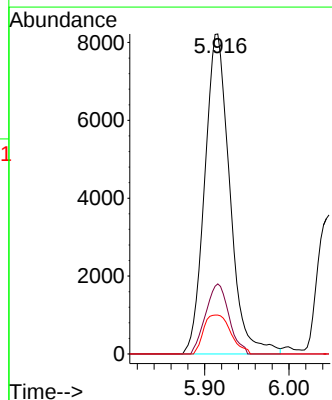
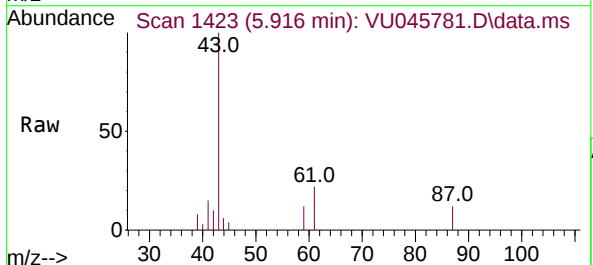


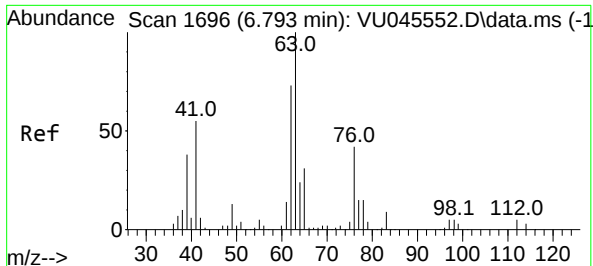
Tgt Ion:117 Resp: 12795
Ion Ratio Lower Upper
117 100
119 5.1 77.4 116.0#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 4.507 ug/l
RT: 5.916 min Scan# 1423
Delta R.T. 0.003 min
Lab File: VU045781.D
Acq: 12 Nov 2021 19:49

Tgt Ion: 43 Resp: 17011
Ion Ratio Lower Upper
43 100
61 20.4 16.9 25.3
87 13.1 11.0 16.4





#45

1,2-Dichloropropane

Concen: 0.780 ug/l

RT: 7.038 min Scan# 1

Delta R.T. 0.244 min

Lab File: VU045781.D

Acq: 12 Nov 2021 19:49

Instrument :

MSVOA_U

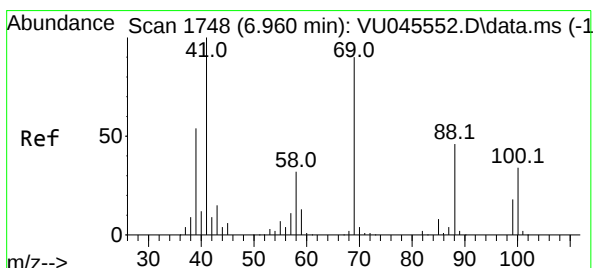
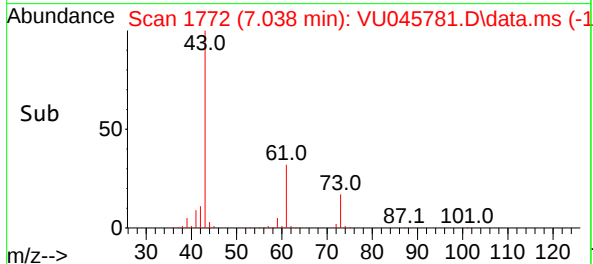
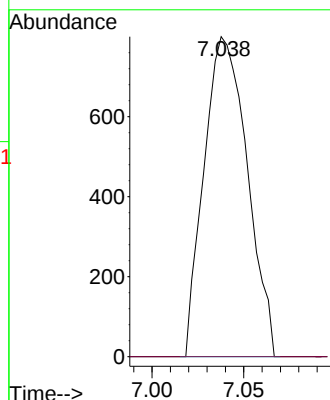
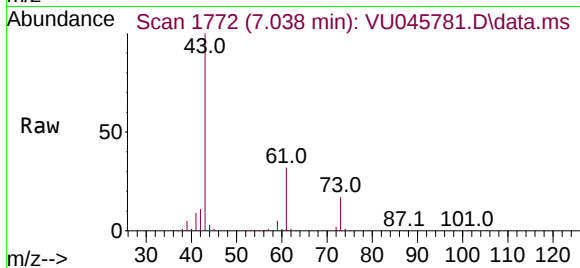
ClientSampleId :

Tgt Ion: 63 Resp: 1312

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 3.269 ug/l

RT: 6.893 min Scan# 1727

Delta R.T. -0.067 min

Lab File: VU045781.D

Acq: 12 Nov 2021 19:49

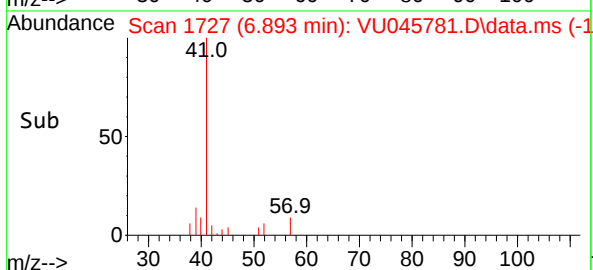
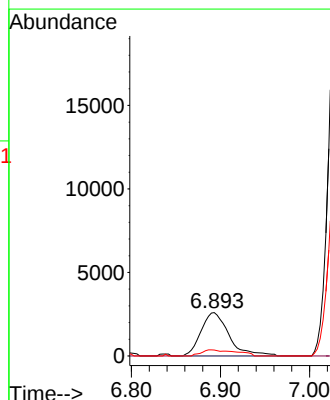
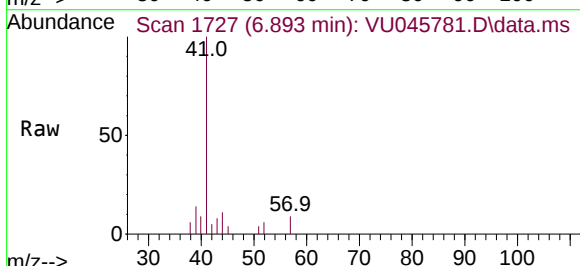
Tgt Ion: 41 Resp: 5679

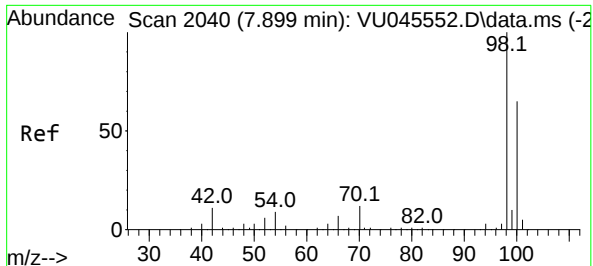
Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#

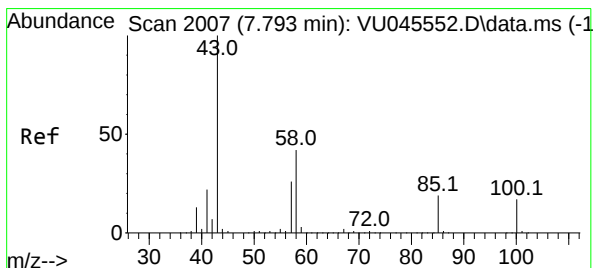
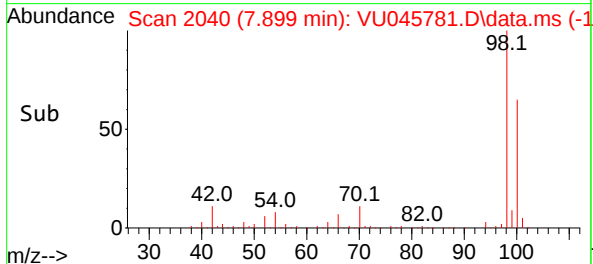
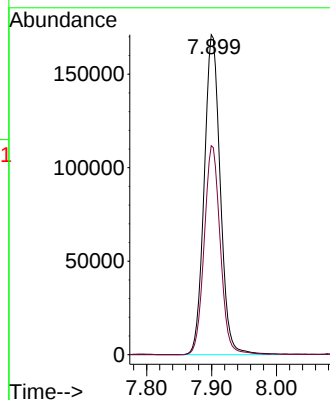
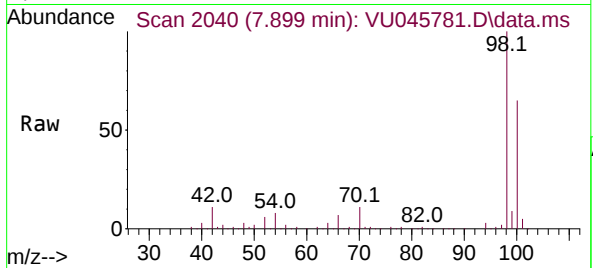




#50
Toluene-d8
Concen: 53.980 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU045781.D
Acq: 12 Nov 2021 19:49

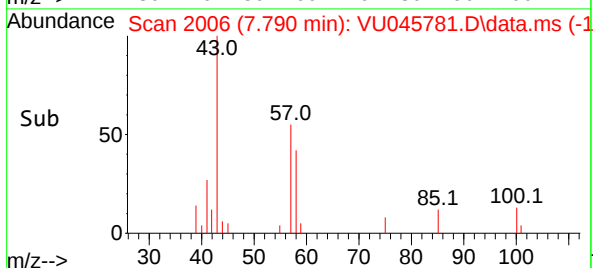
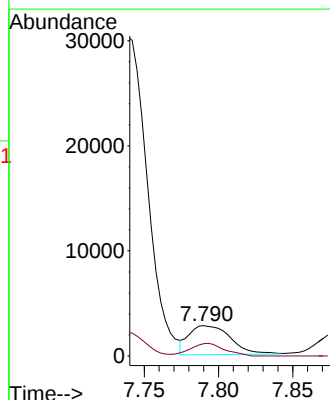
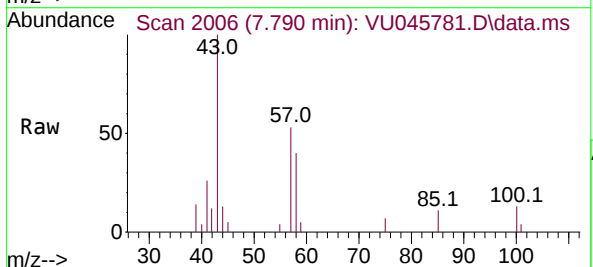
Instrument :
MSVOA_U
ClientSampleId :

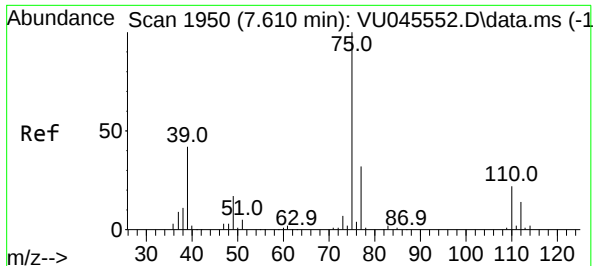
Tgt Ion: 98 Resp: 295248
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 2.164 ug/l
RT: 7.790 min Scan# 2006
Delta R.T. -0.003 min
Lab File: VU045781.D
Acq: 12 Nov 2021 19:49

Tgt Ion: 43 Resp: 5389
Ion Ratio Lower Upper
43 100
58 35.4 33.8 50.8

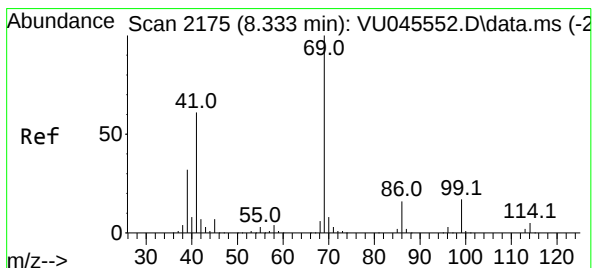
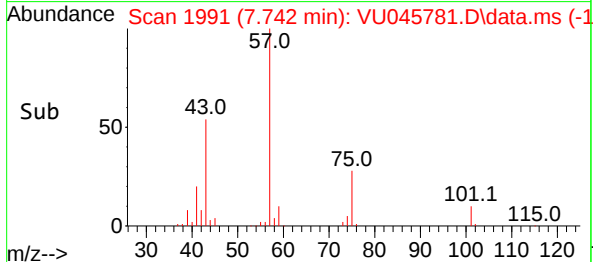
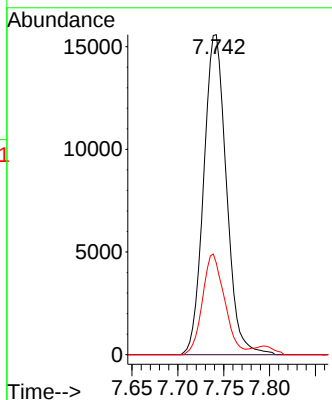
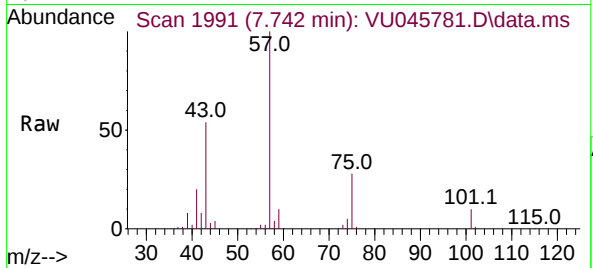




#54
 cis-1,3-Dichloropropene
 Concen: 9.947 ug/l
 RT: 7.742 min Scan# 1950
 Delta R.T. 0.132 min
 Lab File: VU045781.D
 Acq: 12 Nov 2021 19:49

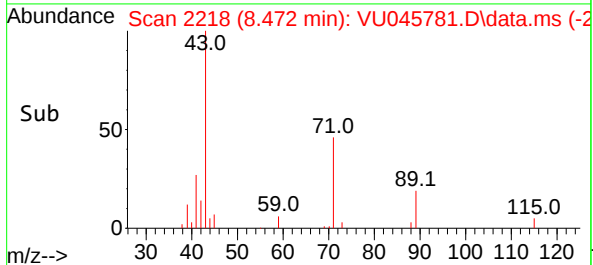
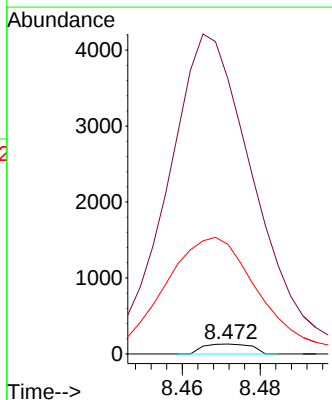
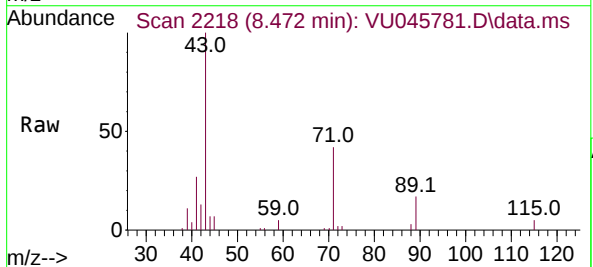
Instrument :
 MSVOA_U
 ClientSampleId :

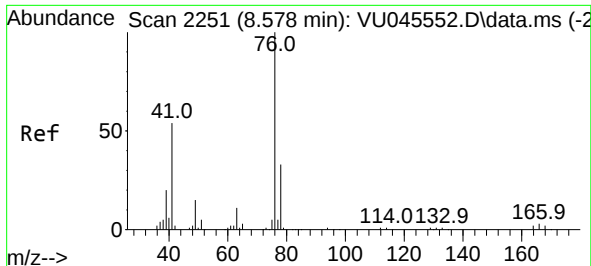
Tgt Ion: 75 Resp: 26865
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 28.7 37.1 55.7#



#56
 Ethyl methacrylate
 Concen: 2.461 ug/l
 RT: 8.472 min Scan# 2218
 Delta R.T. 0.139 min
 Lab File: VU045781.D
 Acq: 12 Nov 2021 19:49

Tgt Ion: 69 Resp: 113
 Ion Ratio Lower Upper
 69 100
 41 5909.7 51.0 76.4#
 39 2271.7 26.6 39.8#





#57

1,3-Dichloropropane

Concen: 6.027 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.151 min

Lab File: VU045781.D

Acq: 12 Nov 2021 19:49

Instrument :

MSVOA_U

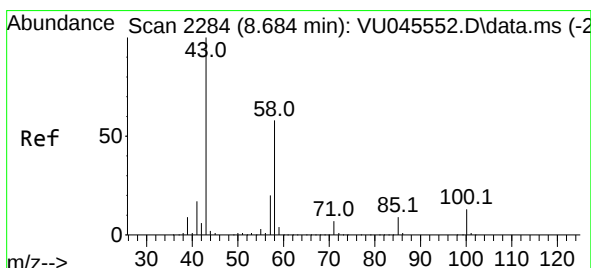
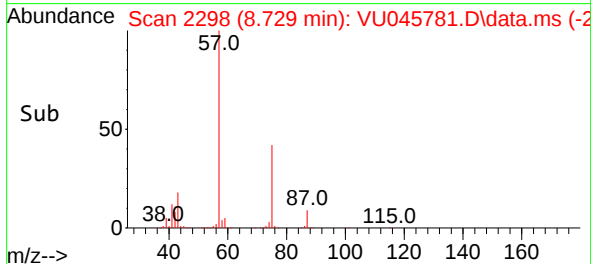
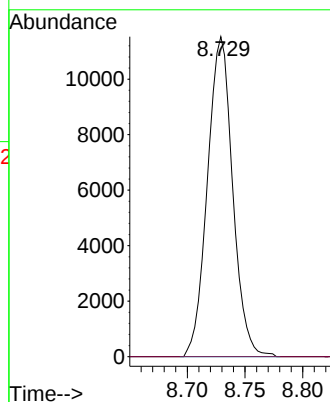
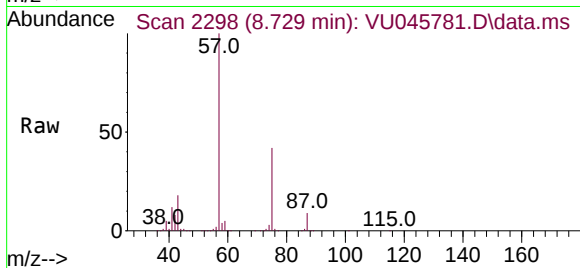
ClientSampleId :

Tgt Ion: 76 Resp: 17519

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 106.643 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.045 min

Lab File: VU045781.D

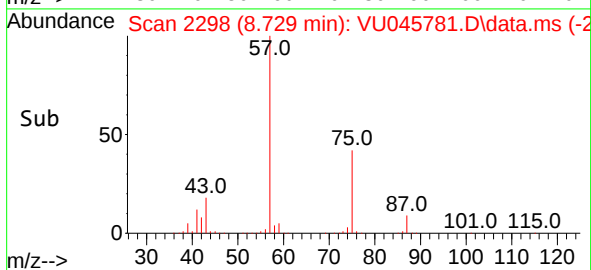
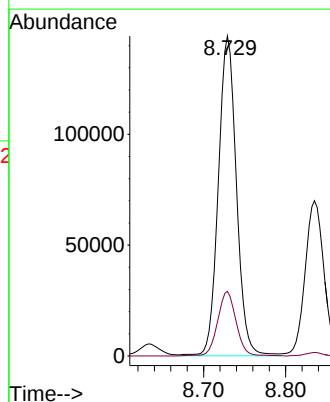
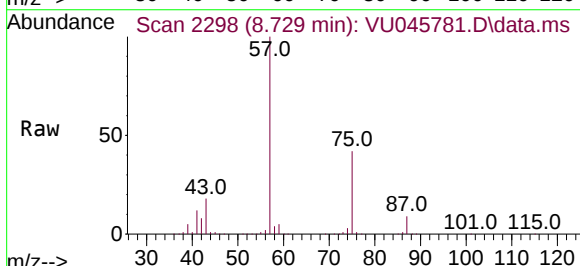
Acq: 12 Nov 2021 19:49

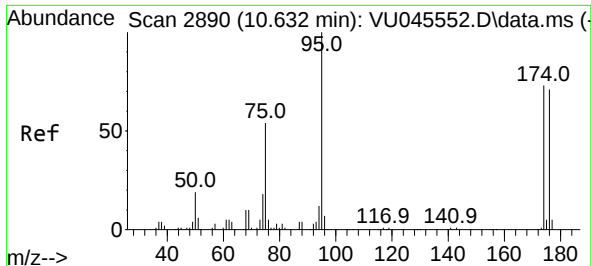
Tgt Ion: 43 Resp: 221387

Ion Ratio Lower Upper

43 100

58 20.7 29.5 88.6#





#62

4-Bromofluorobenzene

Concen: 50.596 ug/l

RT: 10.636 min Scan# 2890

Delta R.T. 0.003 min

Lab File: VU045781.D

Acq: 12 Nov 2021 19:49

Instrument :

MSVOA_U

ClientSampleId :

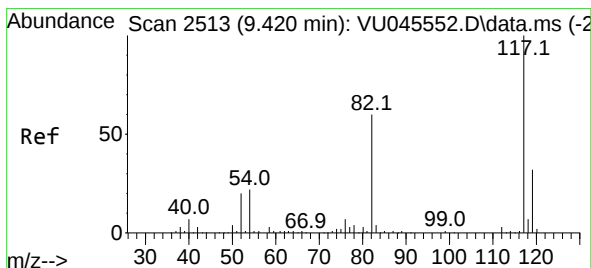
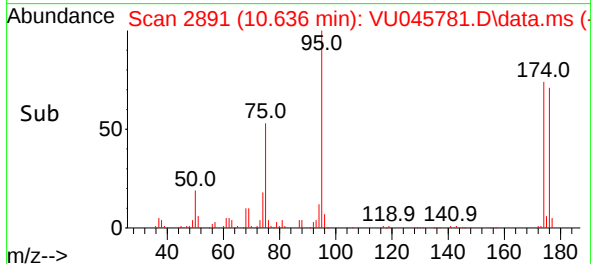
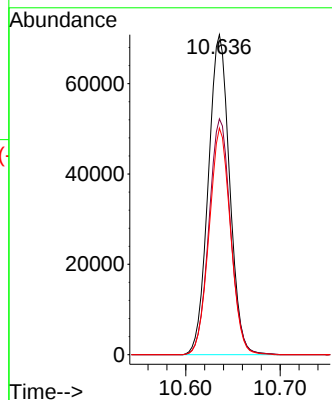
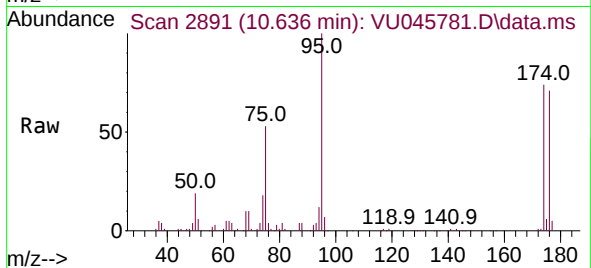
Tgt Ion: 95 Resp: 110970

Ion Ratio Lower Upper

95 100

174 75.0 0.0 141.8

176 71.0 0.0 138.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.420 min Scan# 2513

Delta R.T. 0.000 min

Lab File: VU045781.D

Acq: 12 Nov 2021 19:49

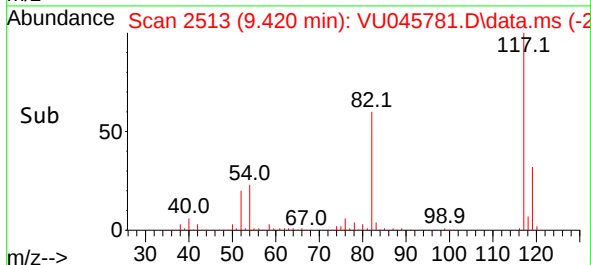
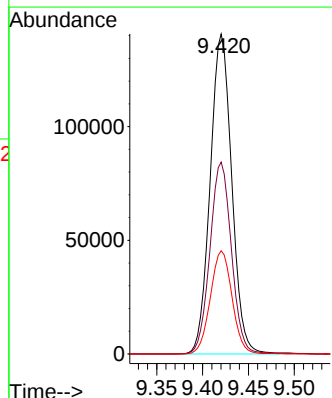
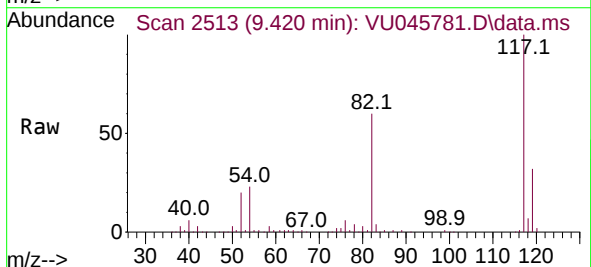
Tgt Ion: 117 Resp: 230244

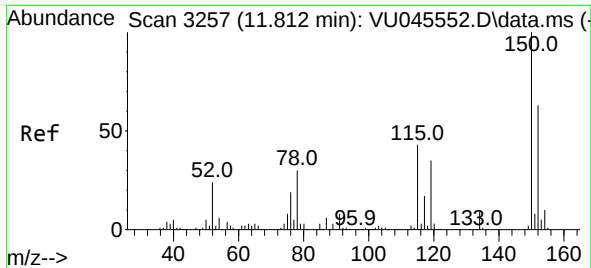
Ion Ratio Lower Upper

117 100

82 59.8 47.8 71.8

119 32.2 25.8 38.8

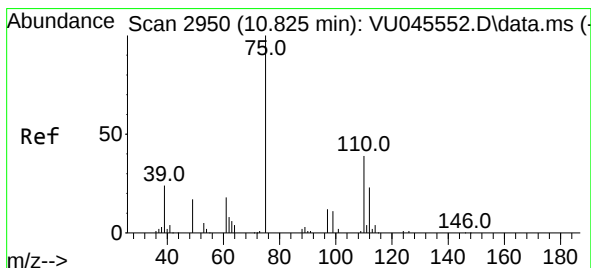
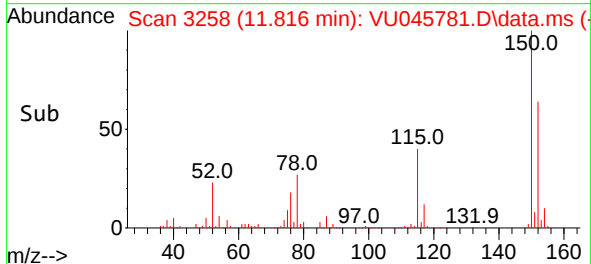
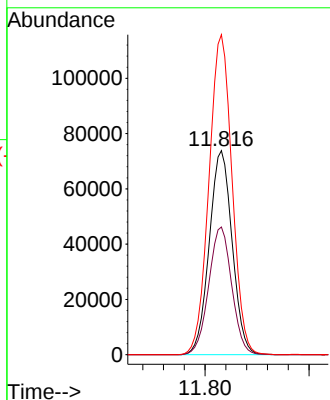
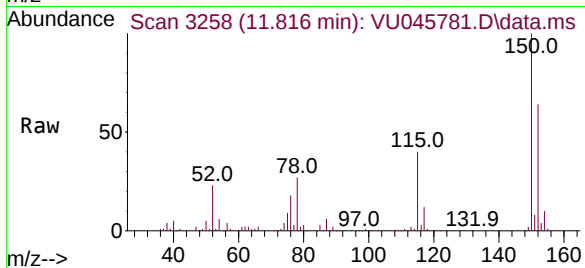




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU045781.D
 Acq: 12 Nov 2021 19:49

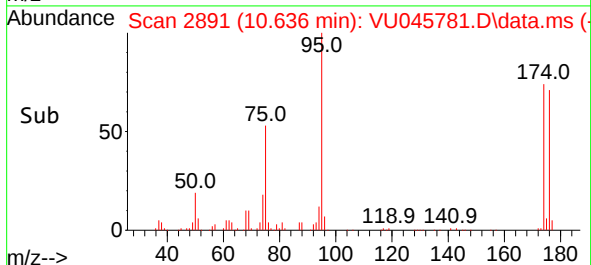
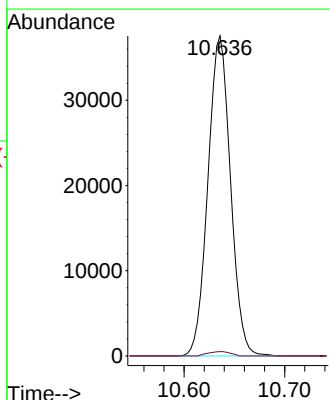
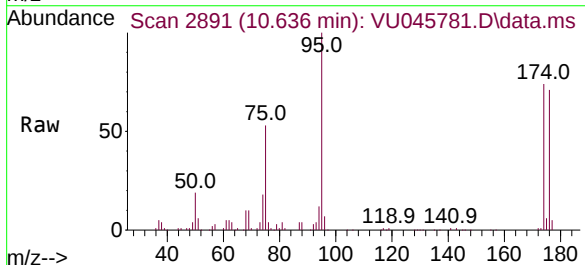
Instrument :
 MSVOA_U
 ClientSampleId :

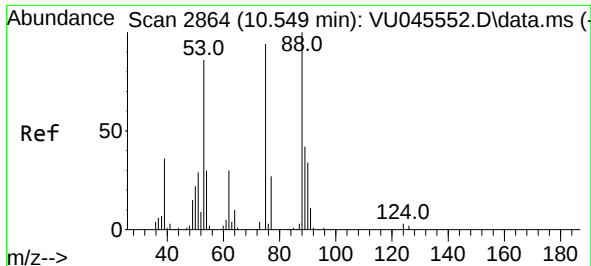
Tgt Ion:152 Resp: 113157
 Ion Ratio Lower Upper
 152 100
 115 62.6 42.7 128.1
 150 157.5 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 17.092 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.190 min
 Lab File: VU045781.D
 Acq: 12 Nov 2021 19:49

Tgt Ion: 75 Resp: 58653
 Ion Ratio Lower Upper
 75 100
 77 1.4 17.1 51.3#

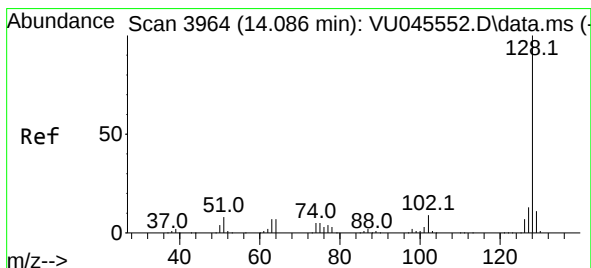
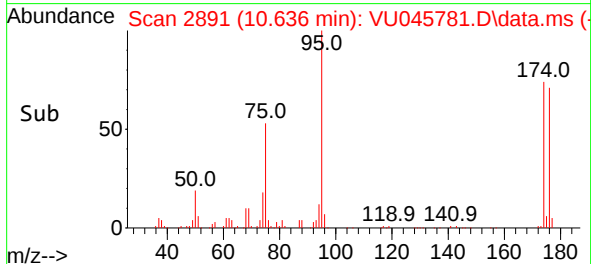
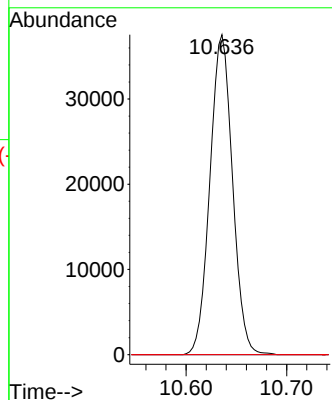
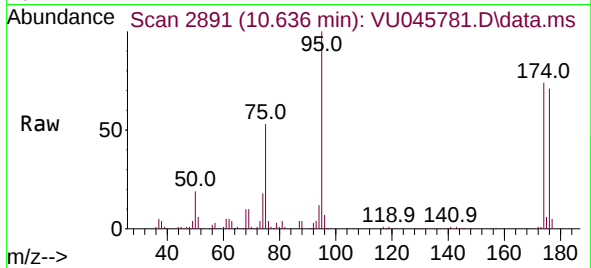




#81
trans-1,4-Dichloro-2-butene
Concen: 55.634 ug/l
RT: 10.636 min Scan# 2864
Delta R.T. 0.087 min
Lab File: VU045781.D
Acq: 12 Nov 2021 19:49

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 58653
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.095 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU045781.D
Acq: 12 Nov 2021 19:49

Tgt Ion: 128 Resp: 616
Ion Ratio Lower Upper
128 100
127 7.6 10.6 15.8#
129 0.0 8.6 13.0#

