

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045916.D
 Acq On : 22 Nov 2021 16:01
 Operator : SY/MD
 Sample : PB140933ZHE#01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 05:15:56 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

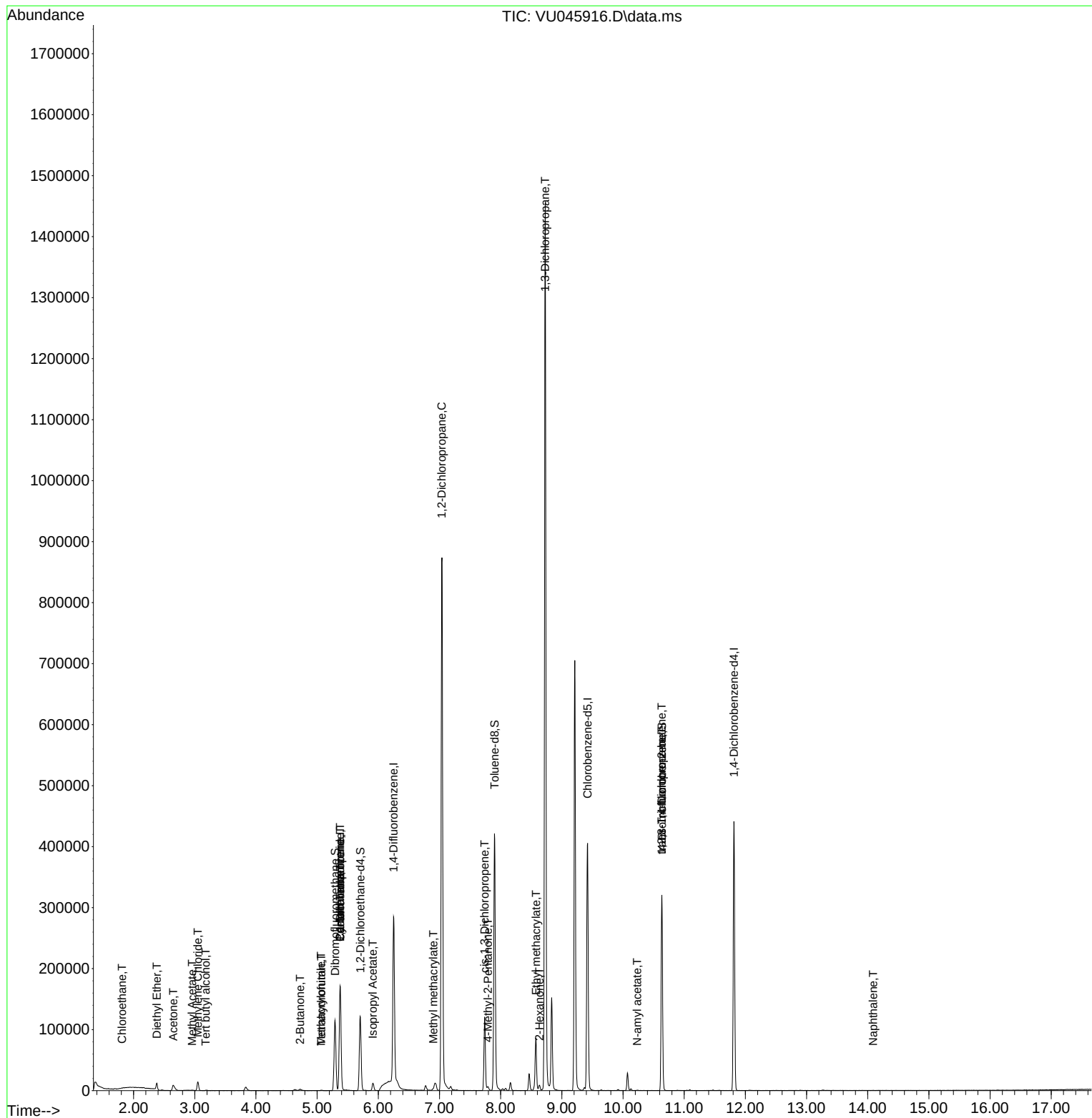
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.375	168	114404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	218119	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	228051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	113231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	90078	52.575	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.140%	
35) Dibromofluoromethane	5.292	113	73898	50.745	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.480%	
50) Toluene-d8	7.899	98	283110	52.282	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.560%	
62) 4-Bromofluorobenzene	10.636	95	110297	50.795	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.580%	
Target Compounds						Qvalue
6) Chloroethane	1.810	64	5498	5.096	ug/l #	58
8) Diethyl Ether	2.379	74	3645	4.212	ug/l	84
11) Tert butyl alcohol	3.179	59	275	0.811	ug/l #	72
16) Acetone	2.649	43	16537	18.961	ug/l	95
18) Methyl Acetate	2.954	43	1056	0.355	ug/l #	50
20) Methylene Chloride	3.051	84	6901	4.554	ug/l	94
25) 2-Butanone	4.723	43	4439	3.670	ug/l	98
29) Tetrahydrofuran	5.070	42	546	0.738	ug/l #	39
31) Cyclohexane	5.375	56	2463	0.985	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	10060	4.730	ug/l #	50
38) Carbon Tetrachloride	5.375	117	12371	5.770	ug/l #	15
41) Methacrylonitrile	5.067	41	338	0.262	ug/l #	28
43) Isopropyl Acetate	5.912	43	13774	3.686	ug/l	98
45) 1,2-Dichloropropane	7.038	63	986	0.592	ug/l #	43
48) Methyl methacrylate	6.899	41	4388	2.551	ug/l #	13
51) 4-Methyl-2-Pentanone	7.793	43	4271	1.733	ug/l	88
54) cis-1,3-Dichloropropene	7.739	75	22074	8.255	ug/l #	61
56) Ethyl methacrylate	8.578	69	789	2.686	ug/l #	1
57) 1,3-Dichloropropane	8.726	76	15491	5.383	ug/l #	42
59) 2-Hexanone	8.632	43	7072	10.733	ug/l #	21
74) N-amyl acetate	10.230	43	760	0.228	ug/l #	40
76) 1,2,3-Trichloropropane	10.632	75	57344	16.700	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.632	75	57344	54.426	ug/l #	12
95) Naphthalene	14.089	128	204	1.051	ug/l #	69

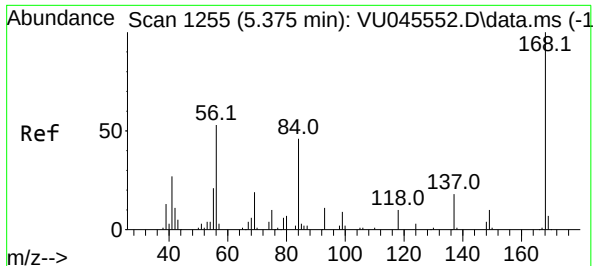
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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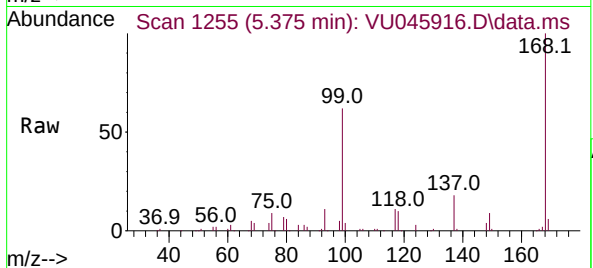
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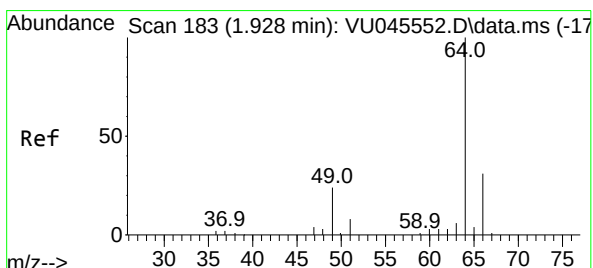
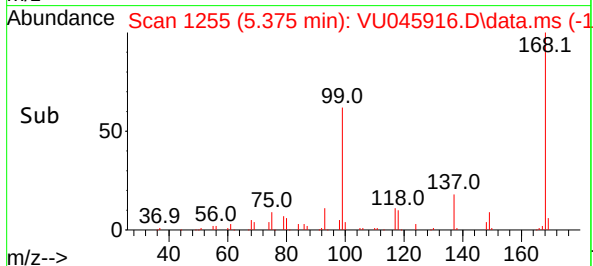
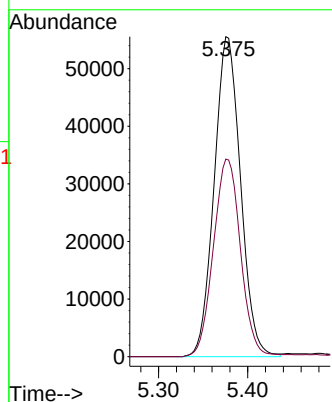


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

Instrument :
MSVOA_U
ClientSampleId :

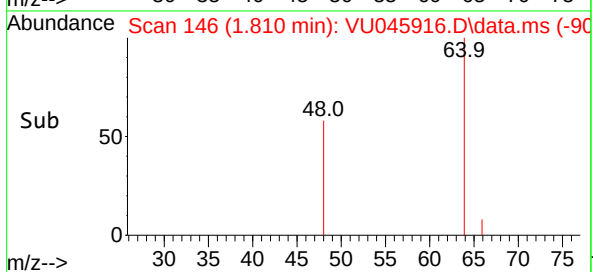
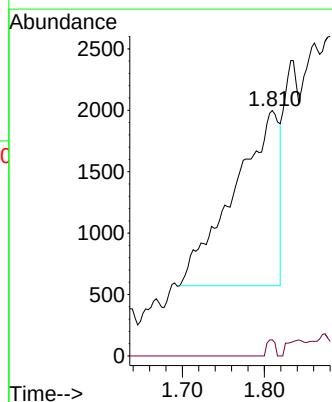
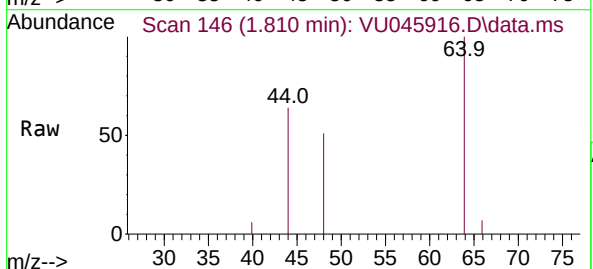


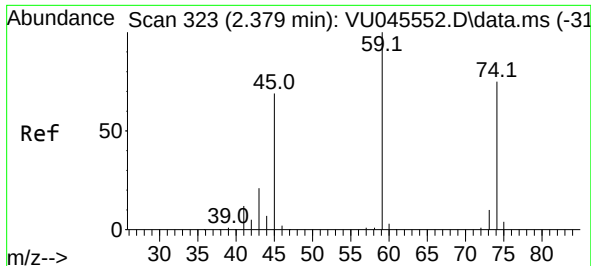
Tgt Ion:168 Resp: 114404
Ion Ratio Lower Upper
168 100
99 61.7 51.0 76.6



#6
Chloroethane
Concen: 5.096 ug/l
RT: 1.810 min Scan# 146
Delta R.T. -0.119 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

Tgt Ion: 64 Resp: 5498
Ion Ratio Lower Upper
64 100
66 9.3 26.7 40.1#





#8

Diethyl Ether

Concen: 4.212 ug/l

RT: 2.379 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU045916.D

Acq: 22 Nov 2021 16:01

Instrument :

MSVOA_U

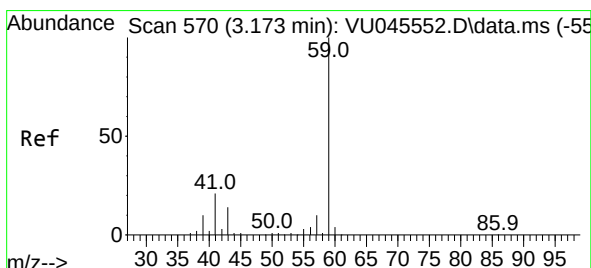
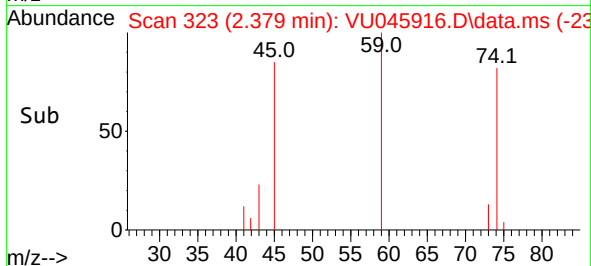
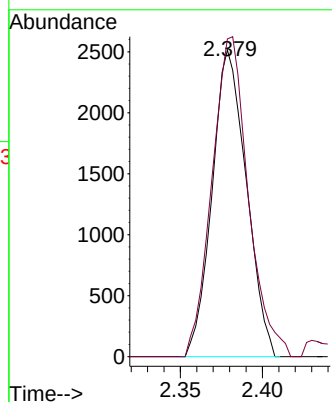
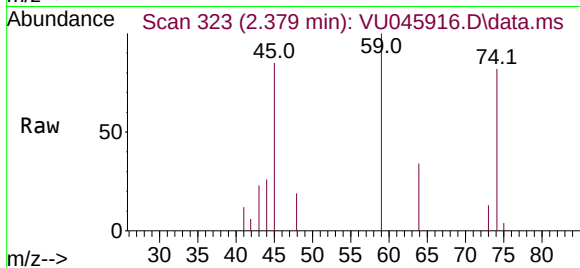
ClientSampleId :

Tgt Ion: 74 Resp: 3645

Ion Ratio Lower Upper

74 100

45 110.4 47.3 141.8



#11

Tert butyl alcohol

Concen: 0.811 ug/l

RT: 3.179 min Scan# 572

Delta R.T. 0.006 min

Lab File: VU045916.D

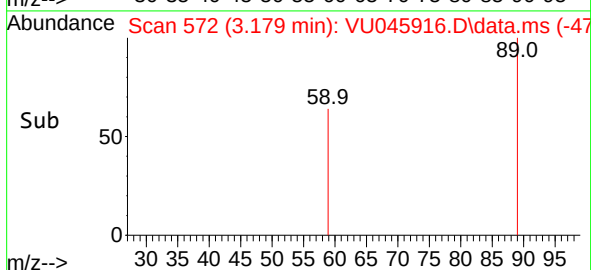
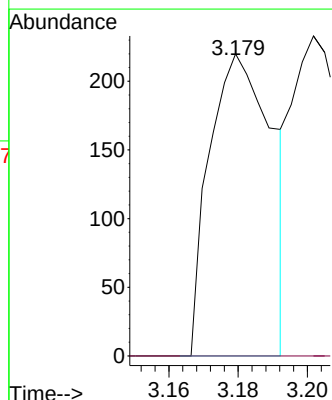
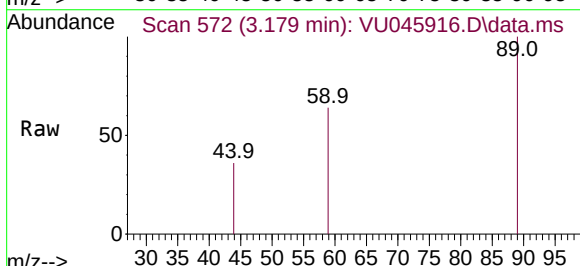
Acq: 22 Nov 2021 16:01

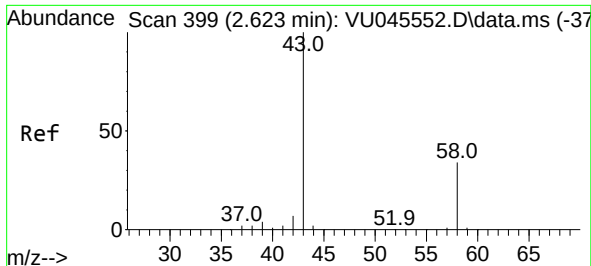
Tgt Ion: 59 Resp: 275

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

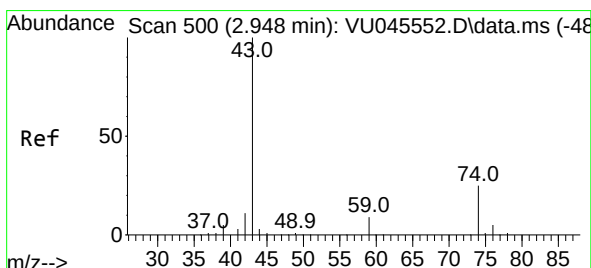
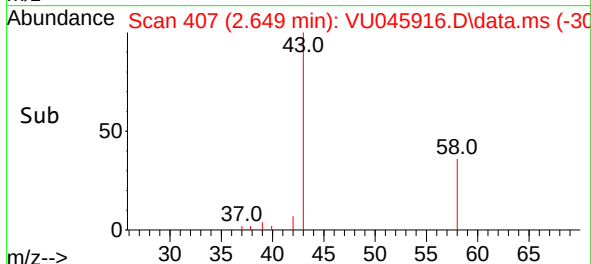
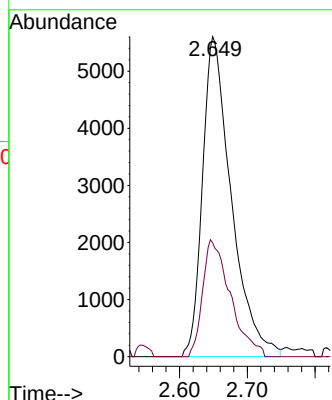
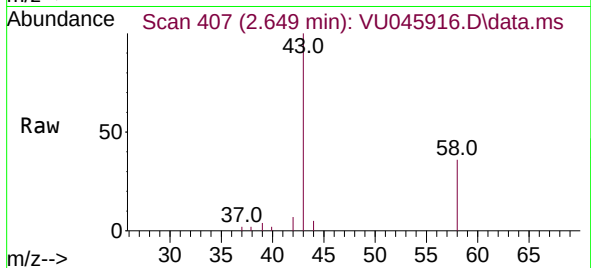




#16
Acetone
Concen: 18.961 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.026 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

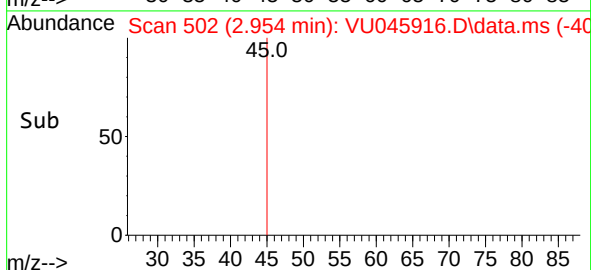
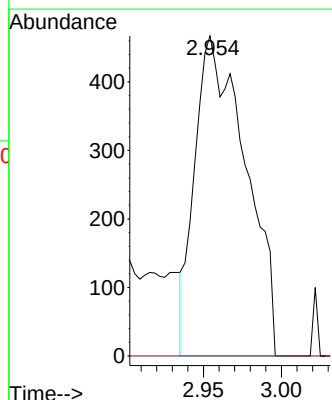
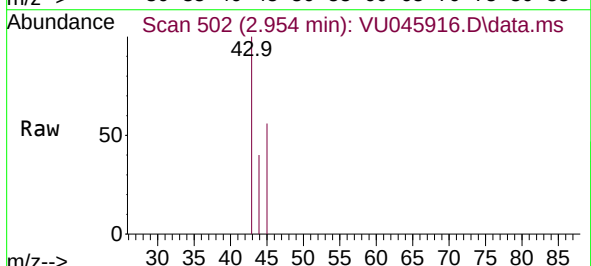
Instrument :
MSVOA_U
ClientSampleId :

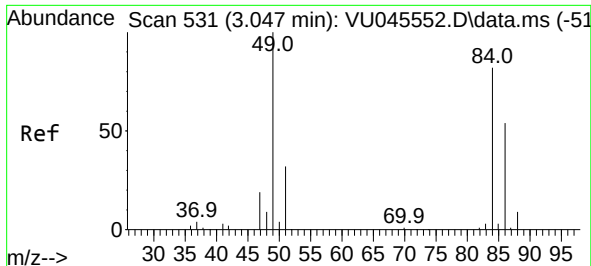
Tgt Ion: 43 Resp: 16537
Ion Ratio Lower Upper
43 100
58 35.6 26.2 39.2



#18
Methyl Acetate
Concen: 0.355 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.006 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

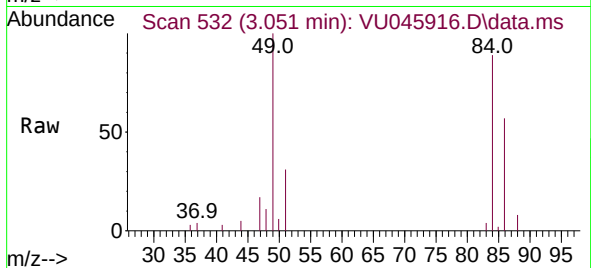
Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



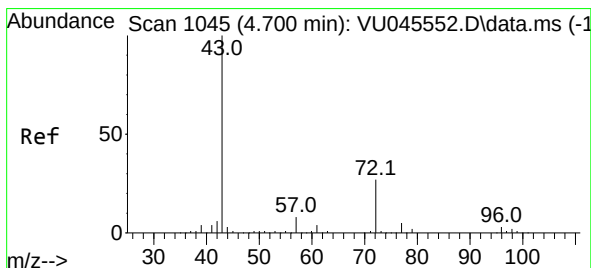
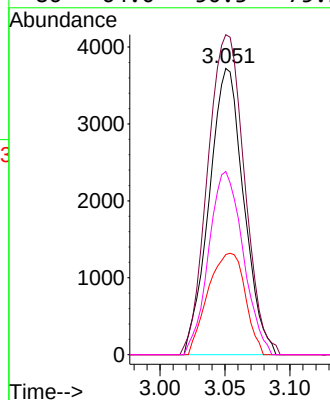
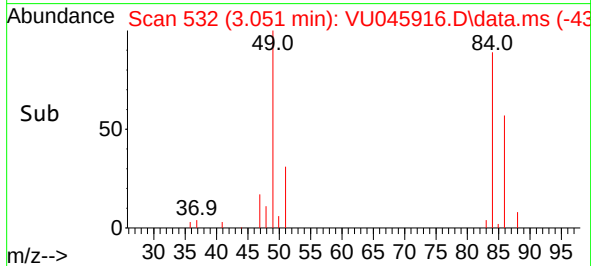


#20
Methylene Chloride
Concen: 4.554 ug/l
RT: 3.051 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

Instrument :
MSVOA_U
ClientSampleId :

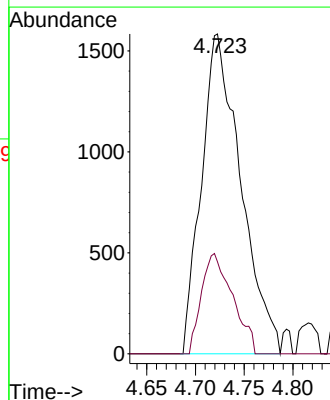
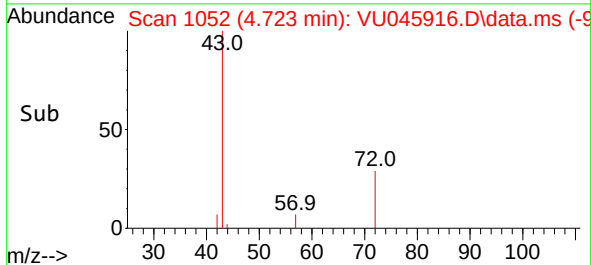
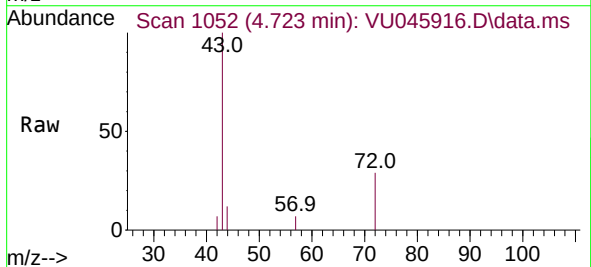


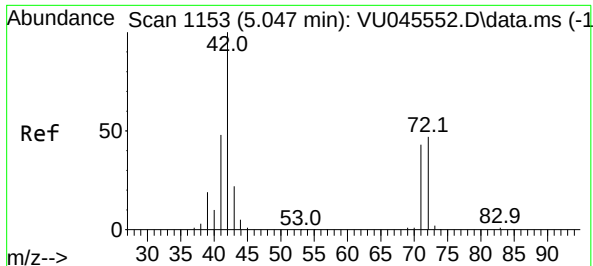
Tgt Ion: 84	Resp: 6901
Ion Ratio	Lower Upper
84 100	
49 111.8	96.4 144.6
51 35.0	30.5 45.7
86 64.0	50.3 75.5



#25
2-Butanone
Concen: 3.670 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.023 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

Tgt Ion: 43	Resp: 4439		
Ion Ratio	Lower	Upper	
43 100			
72 28.8	22.0	33.0	





#29

Tetrahydrofuran

Concen: 0.738 ug/l

RT: 5.070 min Scan# 1153

Delta R.T. 0.023 min

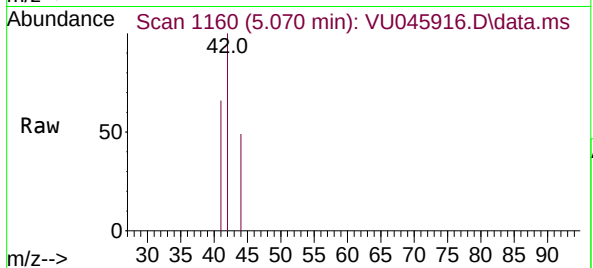
Lab File: VU045916.D

Acq: 22 Nov 2021 16:01

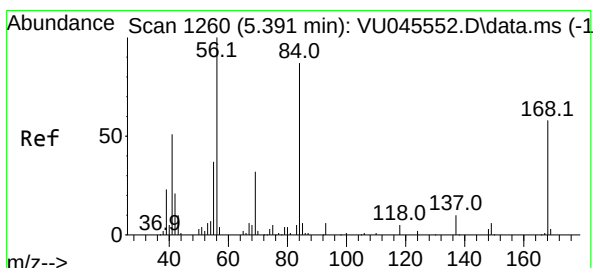
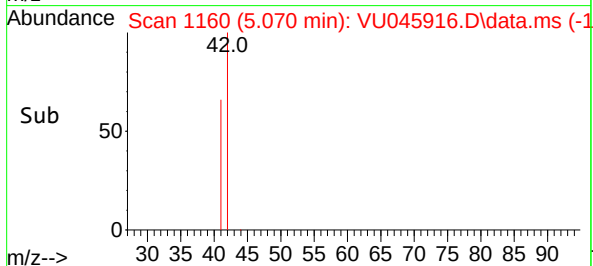
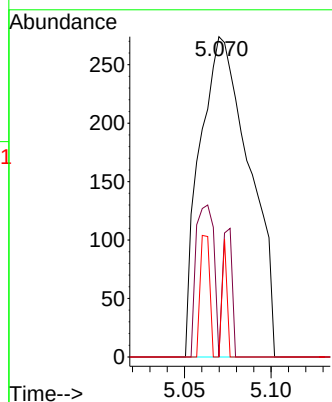
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	42	Resp:	546
Ion Ratio	Lower	Upper	
42	100		
72	7.7	38.2	57.4#
71	3.5	35.4	53.2#



#31

Cyclohexane

Concen: 0.985 ug/l

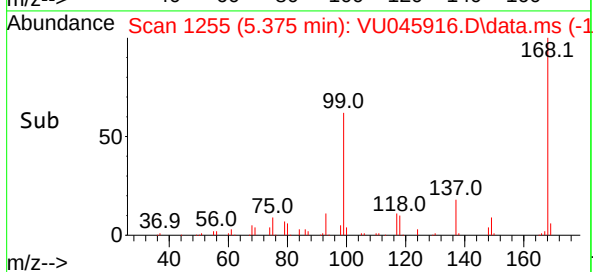
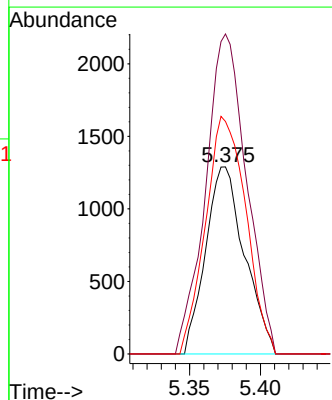
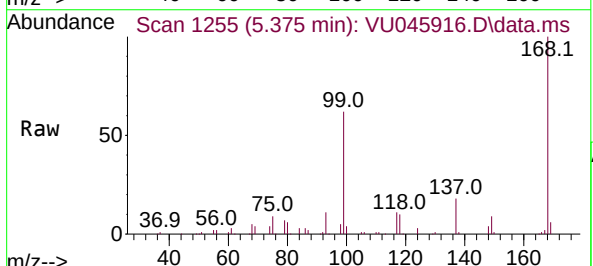
RT: 5.375 min Scan# 1255

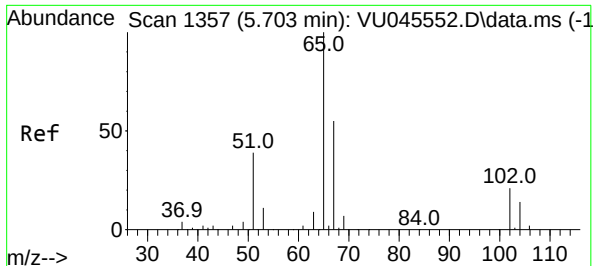
Delta R.T. -0.016 min

Lab File: VU045916.D

Acq: 22 Nov 2021 16:01

Tgt Ion:	56	Resp:	2463
Ion Ratio	Lower	Upper	
56	100		
69	171.1	26.4	39.6#
84	124.4	68.4	102.6#





#33

1,2-Dichloroethane-d4

Concen: 52.575 ug/l

RT: 5.706 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU045916.D

Acq: 22 Nov 2021 16:01

Instrument :

MSVOA_U

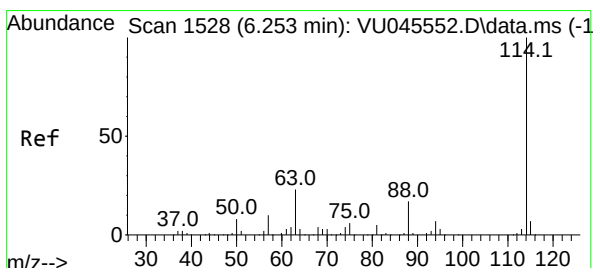
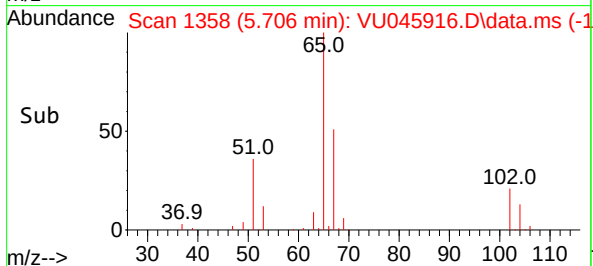
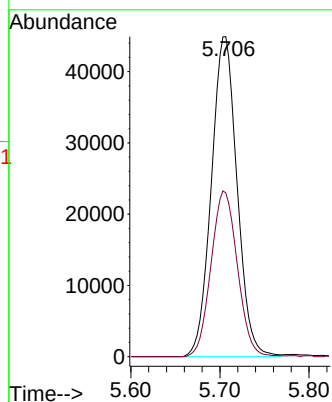
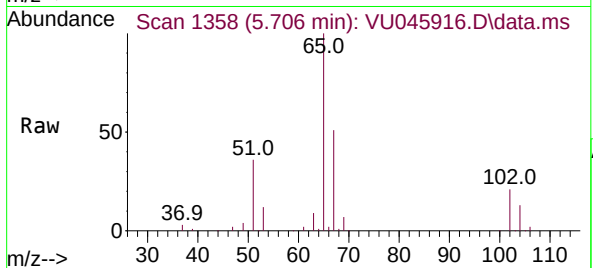
ClientSampleId :

Tgt Ion: 65 Resp: 90078

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.003 min

Lab File: VU045916.D

Acq: 22 Nov 2021 16:01

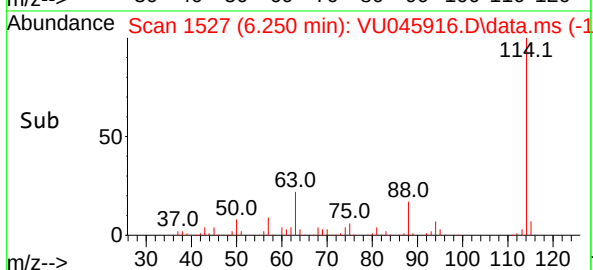
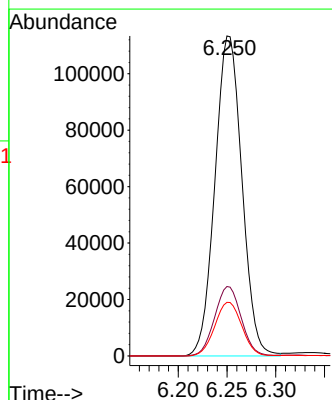
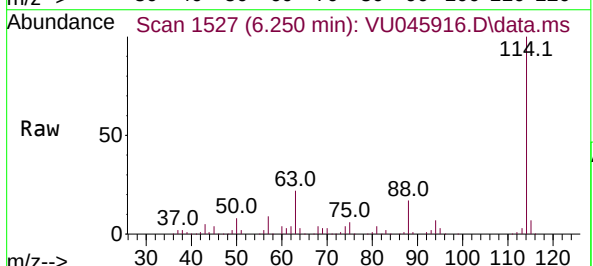
Tgt Ion: 114 Resp: 218119

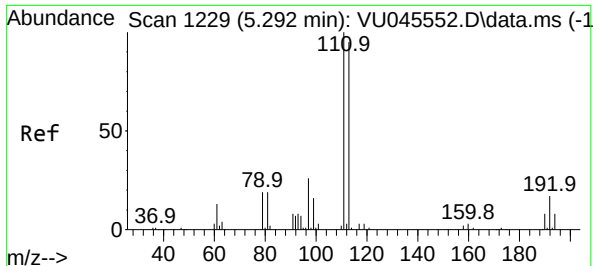
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.6

88 16.8 0.0 33.8

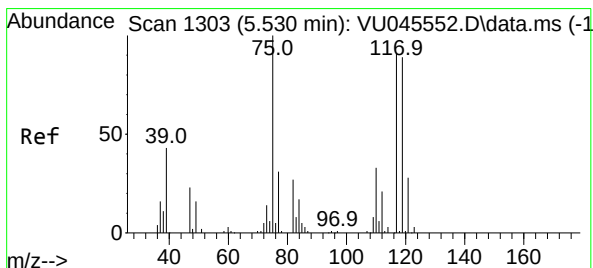
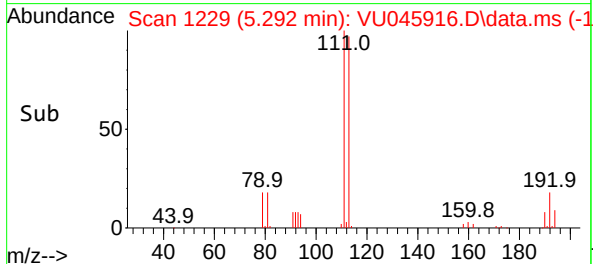
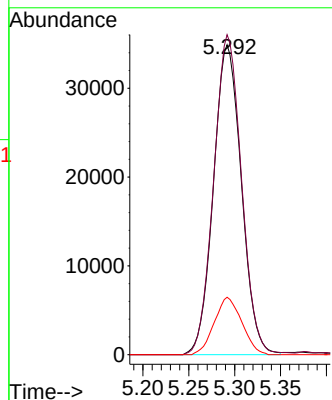
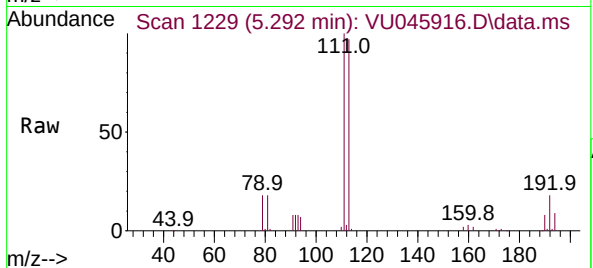




#35
Dibromofluoromethane
Concen: 50.745 ug/l
RT: 5.292 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

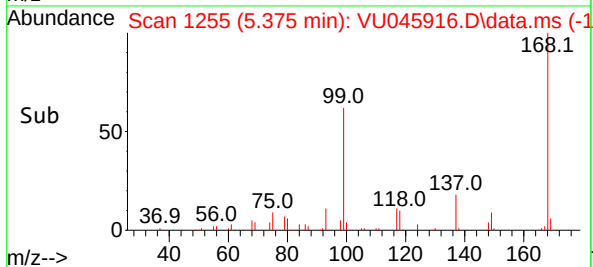
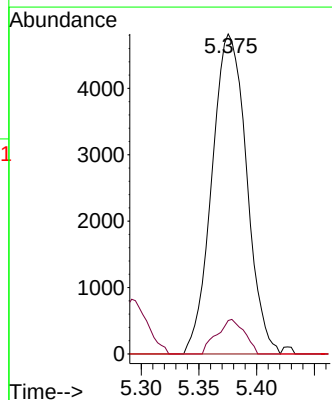
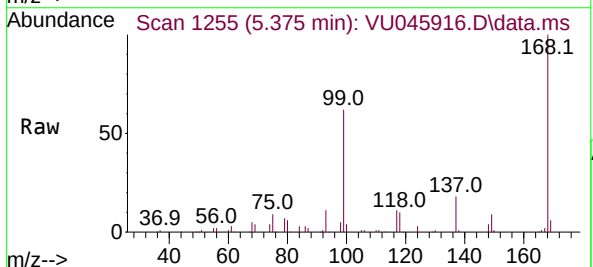
Instrument :
MSVOA_U
ClientSampleId :

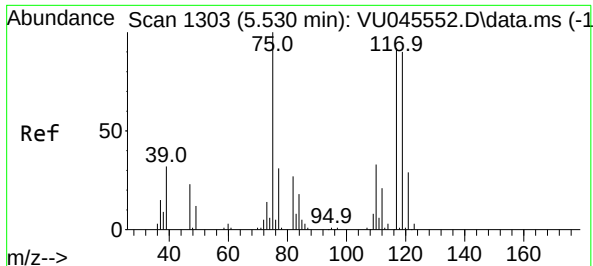
Tgt Ion:113 Resp: 73898
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 18.3 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.730 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

Tgt Ion: 75 Resp: 10060
Ion Ratio Lower Upper
75 100
110 8.6 16.7 50.0#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.770 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.154 min

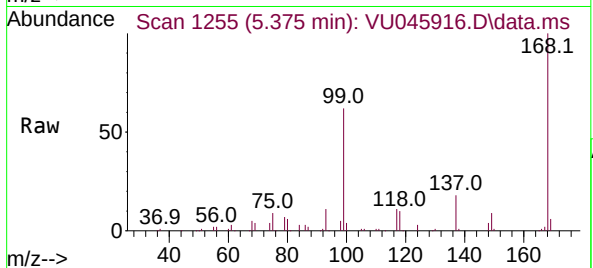
Lab File: VU045916.D

Acq: 22 Nov 2021 16:01

Instrument :

MSVOA_U

ClientSampleId :



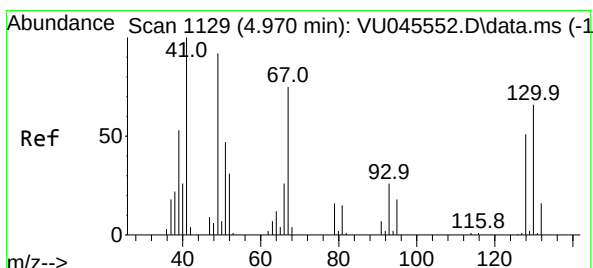
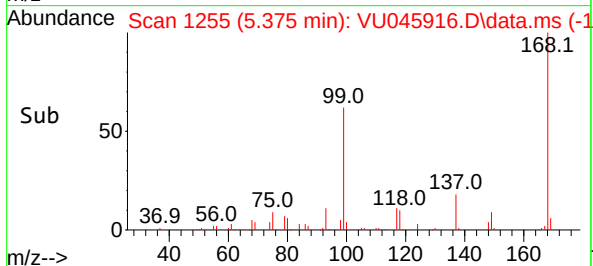
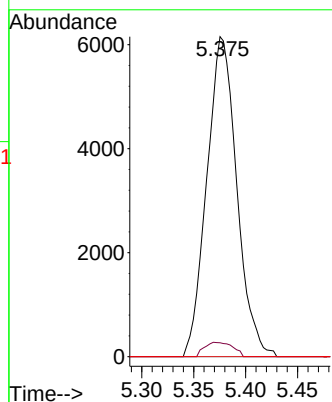
Tgt Ion:117 Resp: 12371

Ion Ratio Lower Upper

117 100

119 4.3 77.4 116.0#

121 0.0 24.8 37.2#



#41

Methacrylonitrile

Concen: 0.262 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.096 min

Lab File: VU045916.D

Acq: 22 Nov 2021 16:01

Tgt Ion: 41 Resp: 338

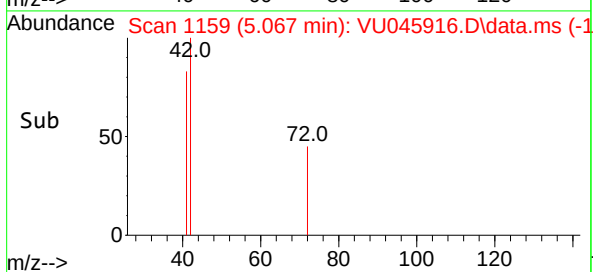
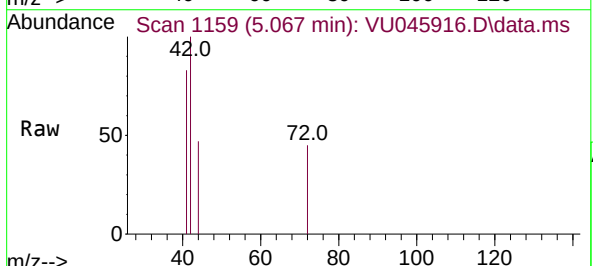
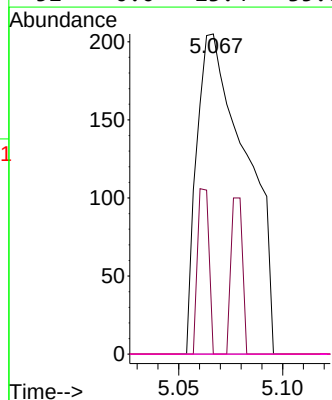
Ion Ratio Lower Upper

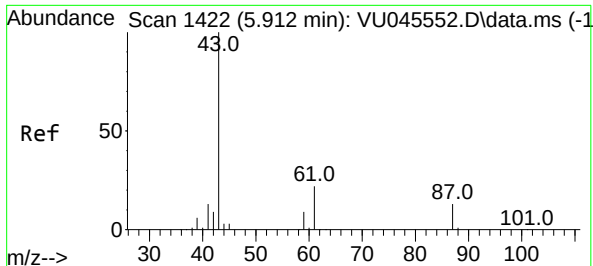
41 100

39 12.1 43.4 65.0#

67 0.0 61.0 91.4#

52 0.0 23.4 35.0#





#43

Isopropyl Acetate

Concen: 3.686 ug/l

RT: 5.912 min Scan# 1422

Delta R.T. 0.000 min

Lab File: VU045916.D

Acq: 22 Nov 2021 16:01

Instrument :

MSVOA_U

ClientSampleId :

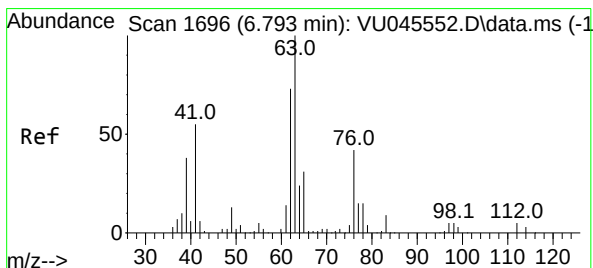
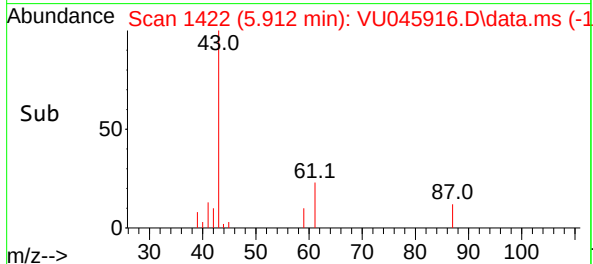
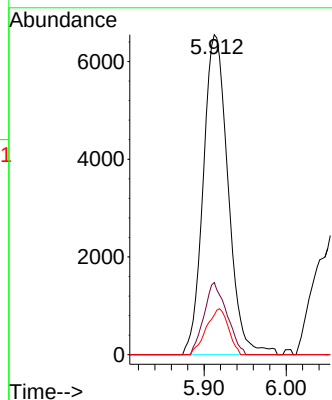
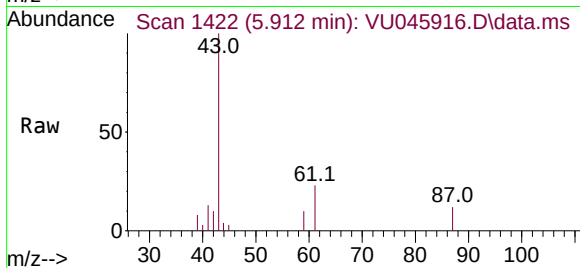
Tgt Ion: 43 Resp: 13774

Ion Ratio Lower Upper

43 100

61 20.7 16.9 25.3

87 12.7 11.0 16.4



#45

1,2-Dichloropropane

Concen: 0.592 ug/l

RT: 7.038 min Scan# 1772

Delta R.T. 0.244 min

Lab File: VU045916.D

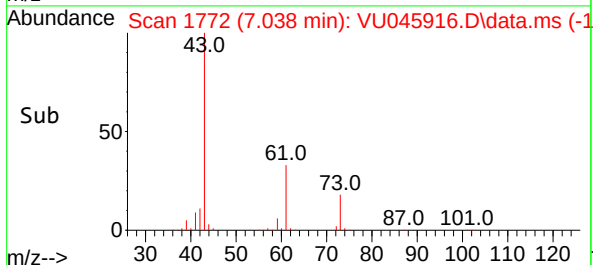
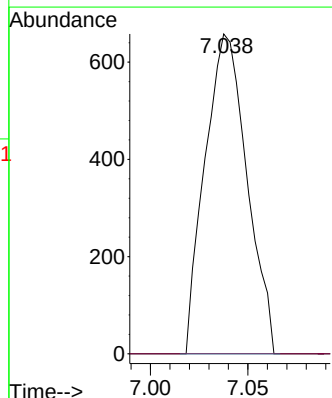
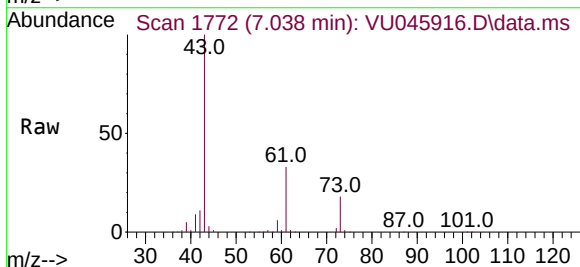
Acq: 22 Nov 2021 16:01

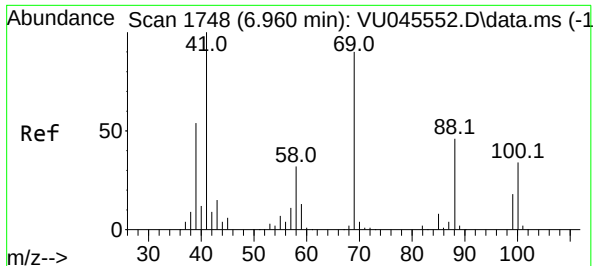
Tgt Ion: 63 Resp: 986

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#

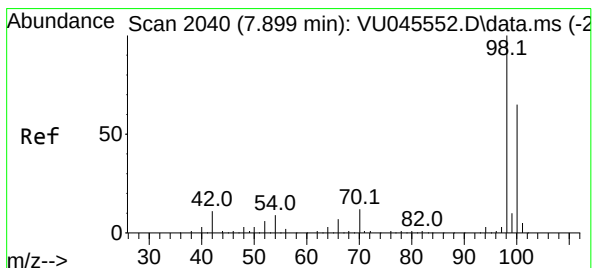
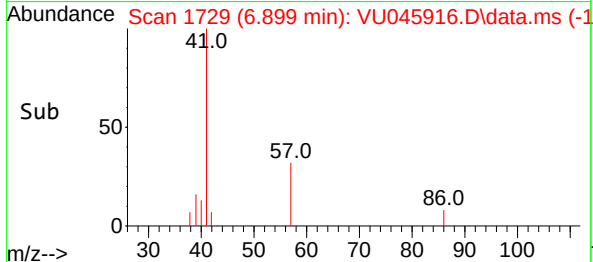
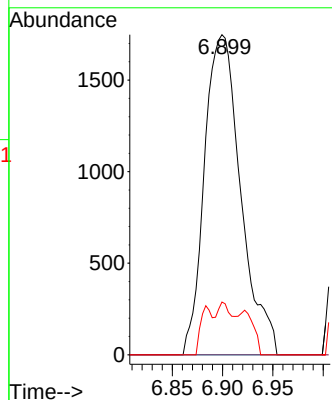
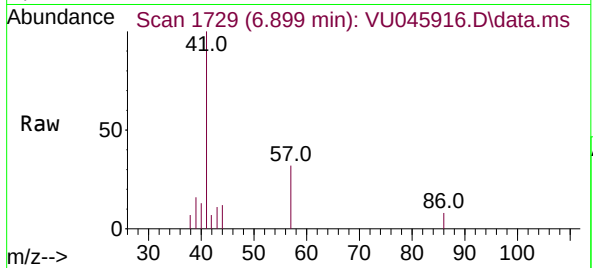




#48
Methyl methacrylate
Concen: 2.551 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.061 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

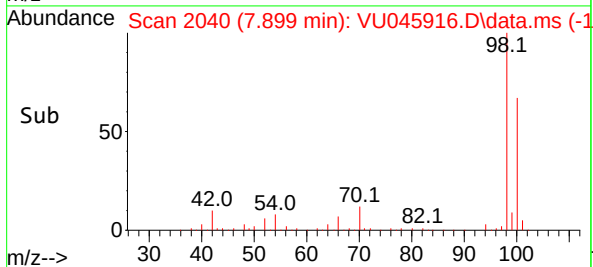
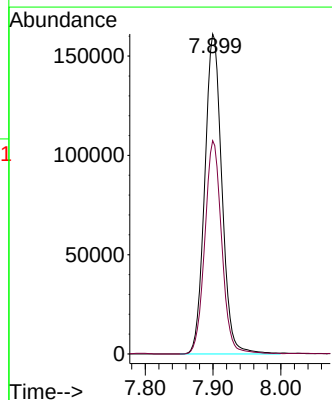
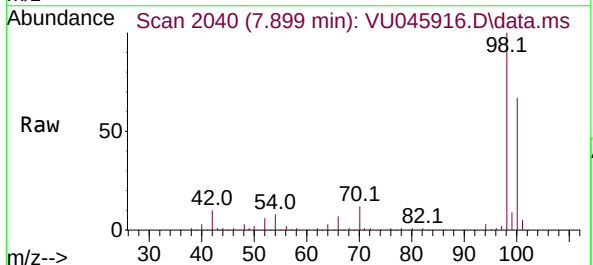
Instrument :
MSVOA_U
ClientSampleId :

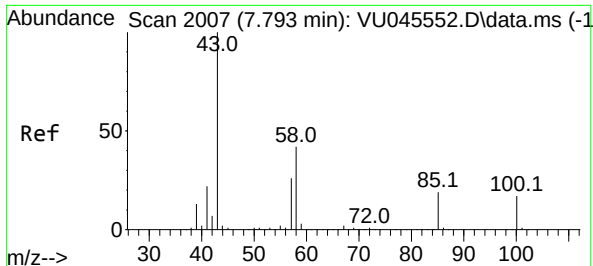
Tgt Ion: 41 Resp: 4388
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.2#
39 0.0 43.9 65.9#



#50
Toluene-d8
Concen: 52.282 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

Tgt Ion: 98 Resp: 283110
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.733 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU045916.D

Acq: 22 Nov 2021 16:01

Instrument :

MSVOA_U

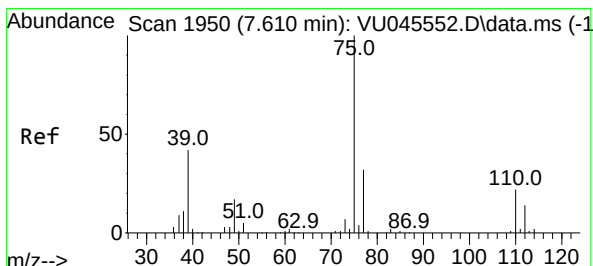
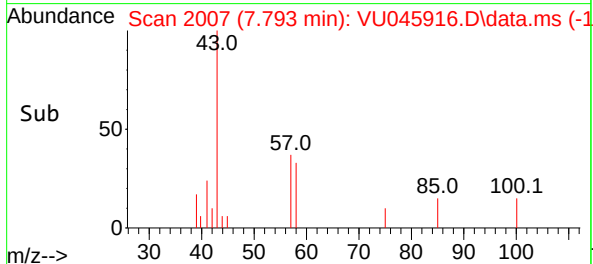
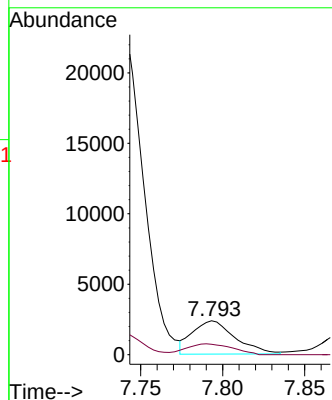
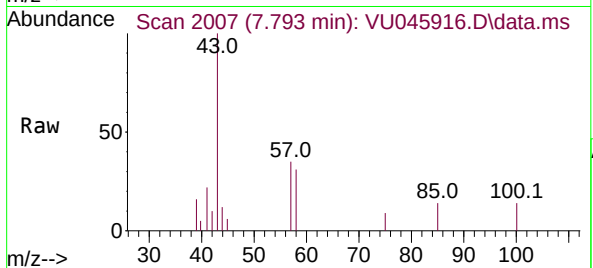
ClientSampleId :

Tgt Ion: 43 Resp: 4271

Ion Ratio Lower Upper

43 100

58 35.0 33.8 50.8



#54

cis-1,3-Dichloropropene

Concen: 8.255 ug/l

RT: 7.739 min Scan# 1990

Delta R.T. 0.129 min

Lab File: VU045916.D

Acq: 22 Nov 2021 16:01

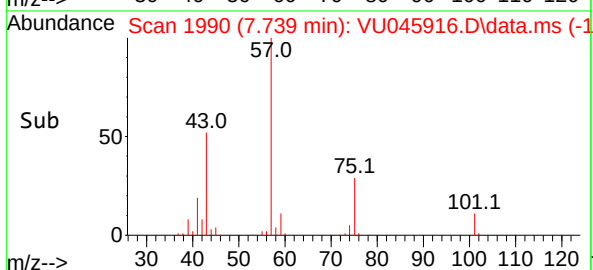
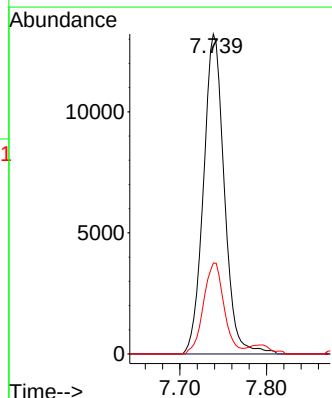
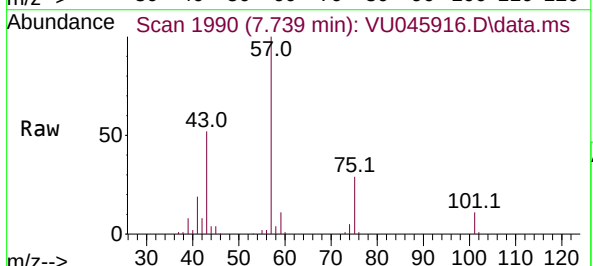
Tgt Ion: 75 Resp: 22074

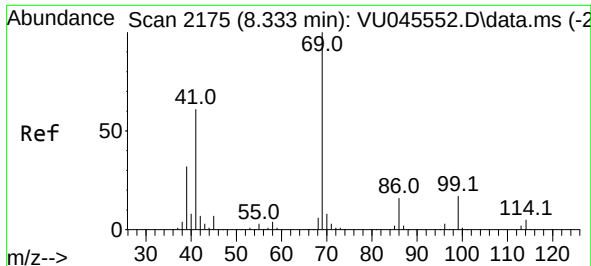
Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 28.4 37.1 55.7#

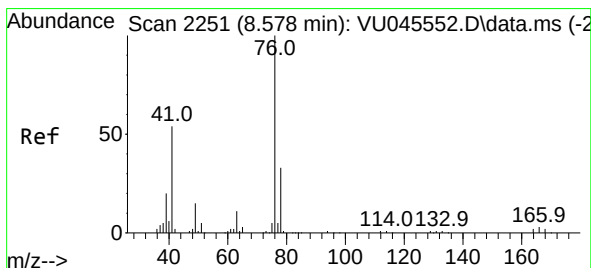
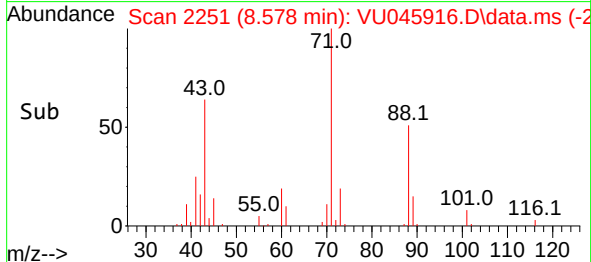
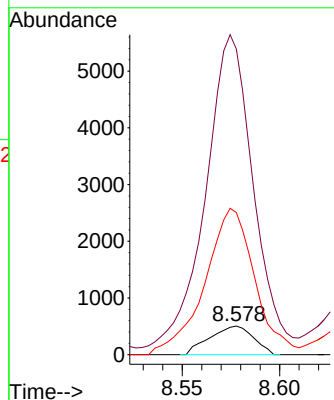
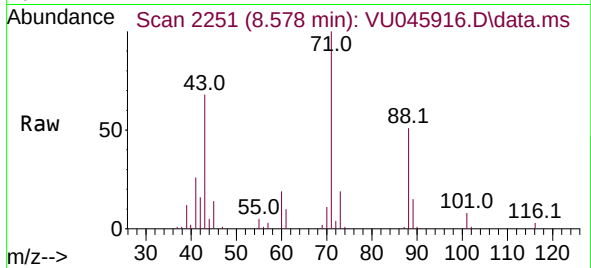




#56
Ethyl methacrylate
Concen: 2.686 ug/l
RT: 8.578 min Scan# 2175
Delta R.T. 0.245 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

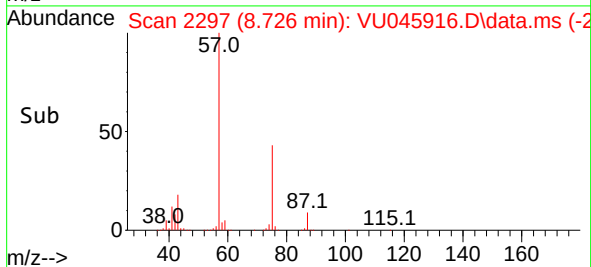
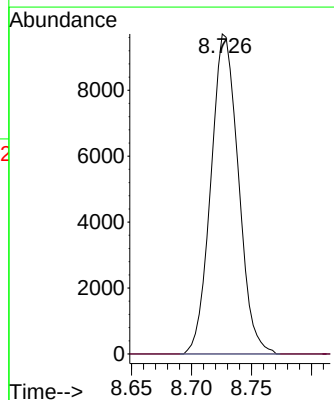
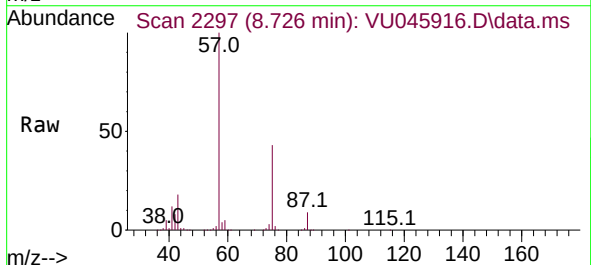
Instrument :
MSVOA_U
ClientSampleId :

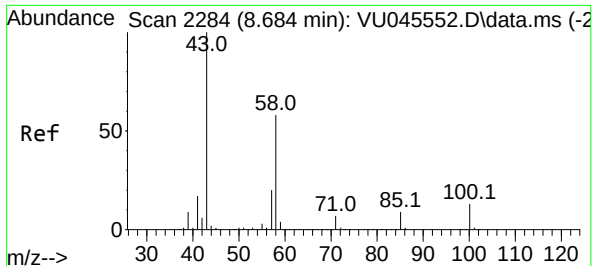
Tgt Ion: 69 Resp: 789
Ion Ratio Lower Upper
69 100
41 1178.5 51.0 76.4#
39 582.5 26.6 39.8#



#57
1,3-Dichloropropane
Concen: 5.383 ug/l
RT: 8.726 min Scan# 2297
Delta R.T. 0.148 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

Tgt Ion: 76 Resp: 15491
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

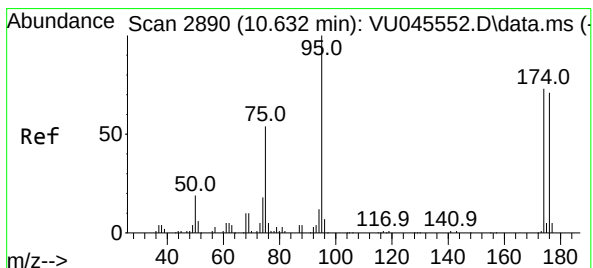
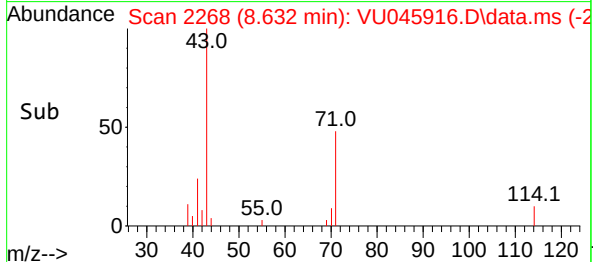
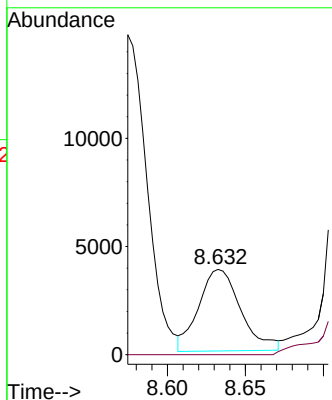
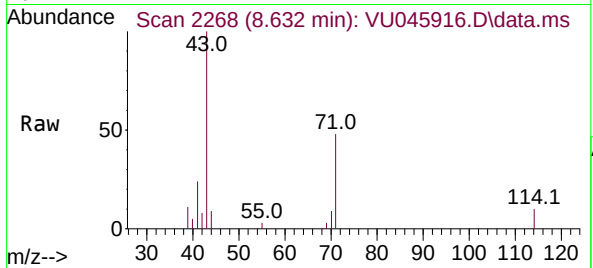




#59
2-Hexanone
Concen: 10.733 ug/l
RT: 8.632 min Scan# 211
Delta R.T. -0.052 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

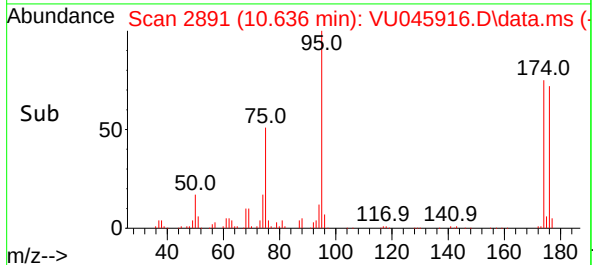
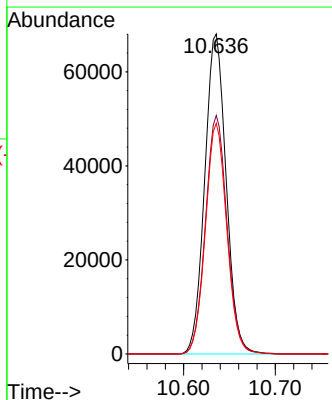
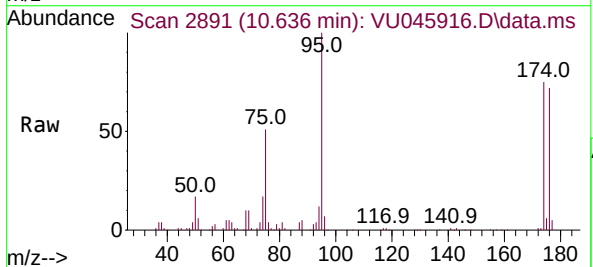
Instrument :
MSVOA_U
ClientSampleId :

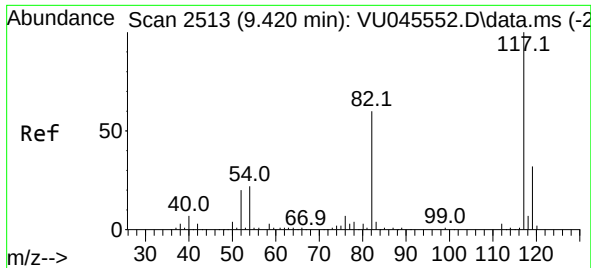
Tgt Ion: 43 Resp: 7072
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 50.795 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

Tgt Ion: 95 Resp: 110297
Ion Ratio Lower Upper
95 100
174 75.6 0.0 141.8
176 72.0 0.0 138.2

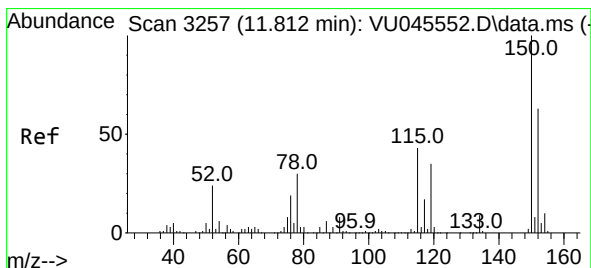
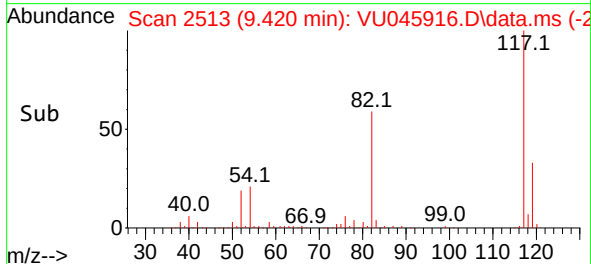
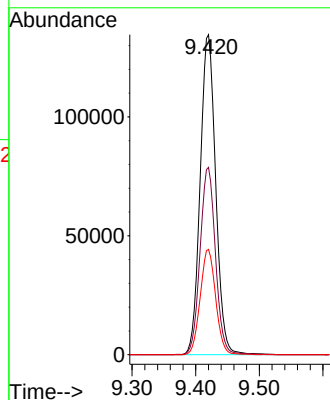
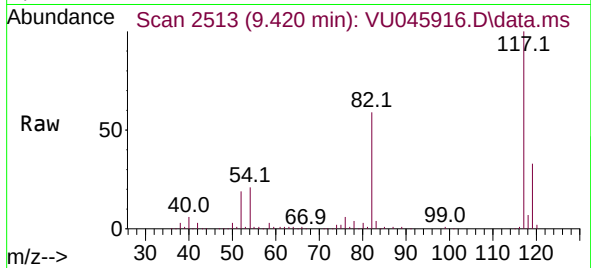




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

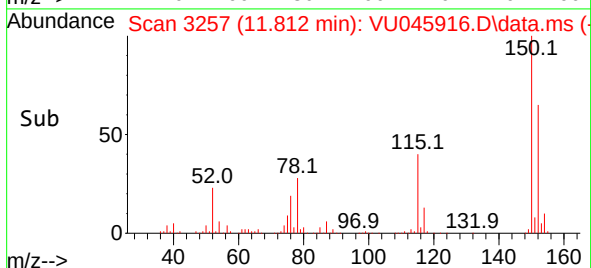
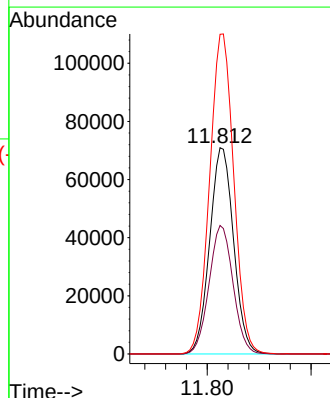
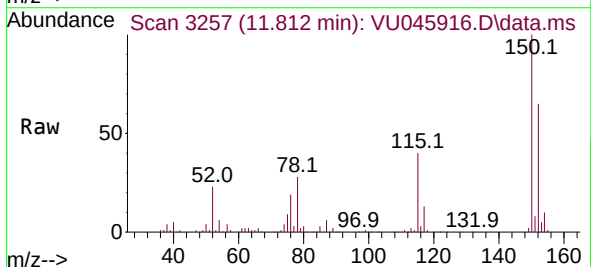
Instrument :
MSVOA_U
ClientSampleId :

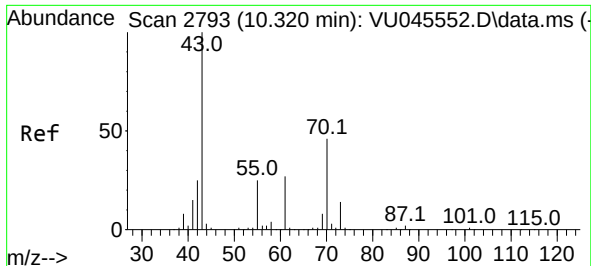
Tgt Ion:117 Resp: 228051
Ion Ratio Lower Upper
117 100
82 58.5 47.8 71.8
119 32.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

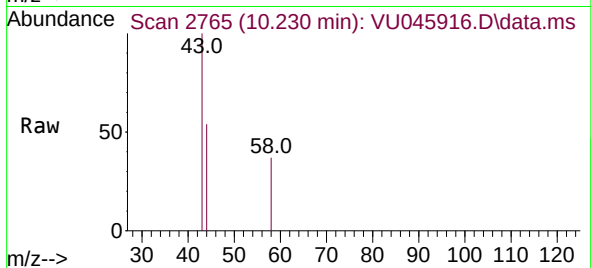
Tgt Ion:152 Resp: 113231
Ion Ratio Lower Upper
152 100
115 62.4 42.7 128.1
150 156.6 0.0 346.8



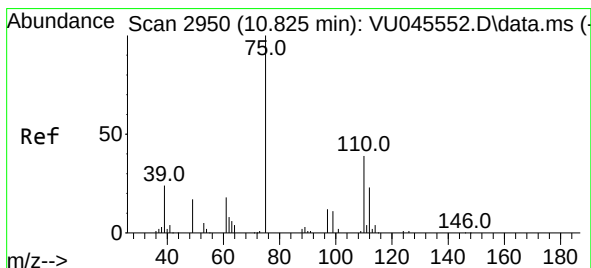
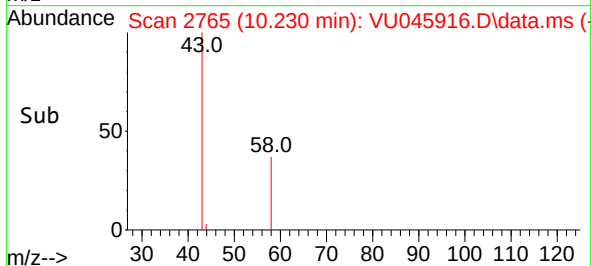
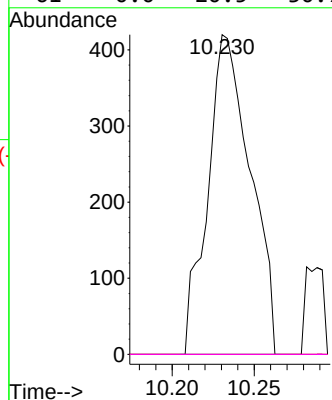


#74
N-amy1 acetate
Concen: 0.228 ug/l
RT: 10.230 min Scan# 21
Delta R.T. -0.090 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

Instrument :
MSVOA_U
ClientSampleId :

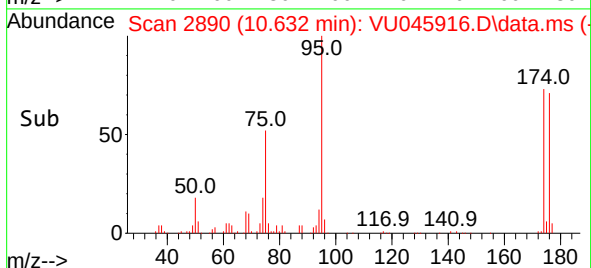
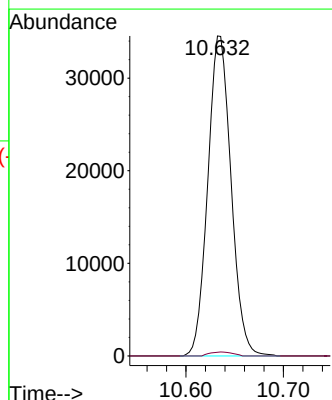
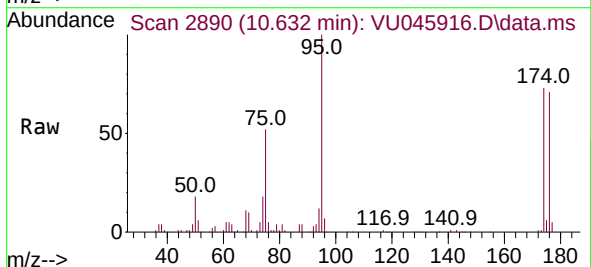


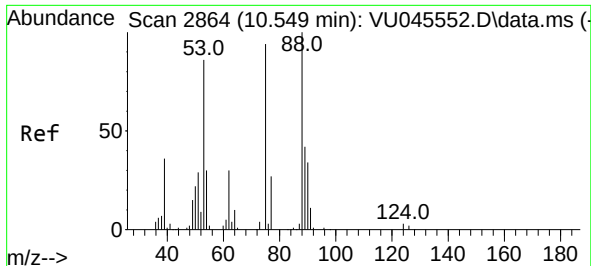
Tgt Ion: 43	Resp: 760
Ion Ratio	Lower Upper
43 100	
70 0.0	36.9 55.3#
55 0.0	20.6 31.0#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 16.700 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.193 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

Tgt Ion: 75	Resp: 57344
Ion Ratio	Lower Upper
75 100	
77 1.2	17.1 51.3#

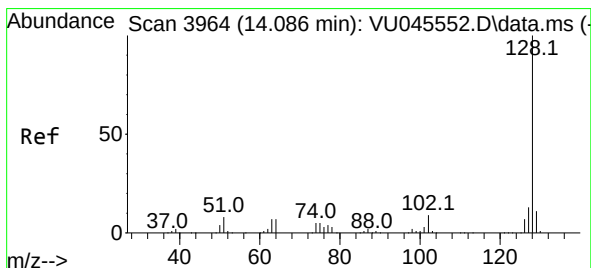
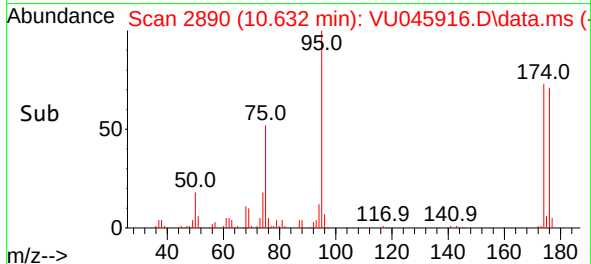
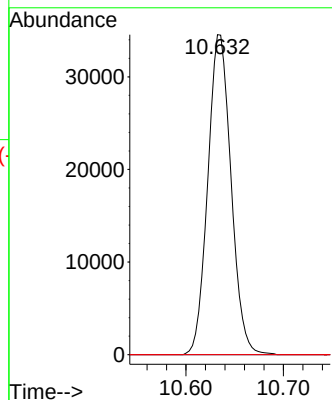
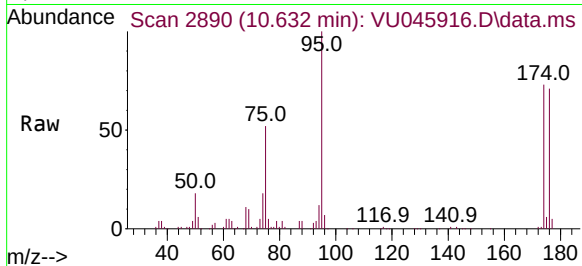




#81
trans-1,4-Dichloro-2-butene
Concen: 54.426 ug/l
RT: 10.632 min Scan# 2864
Delta R.T. 0.083 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 57344
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.051 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU045916.D
Acq: 22 Nov 2021 16:01

Tgt Ion: 128 Resp: 204
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

