

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045924.D
 Acq On : 22 Nov 2021 19:02
 Operator : SY/MD
 Sample : PB140933ZHE#09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 05:18:35 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)

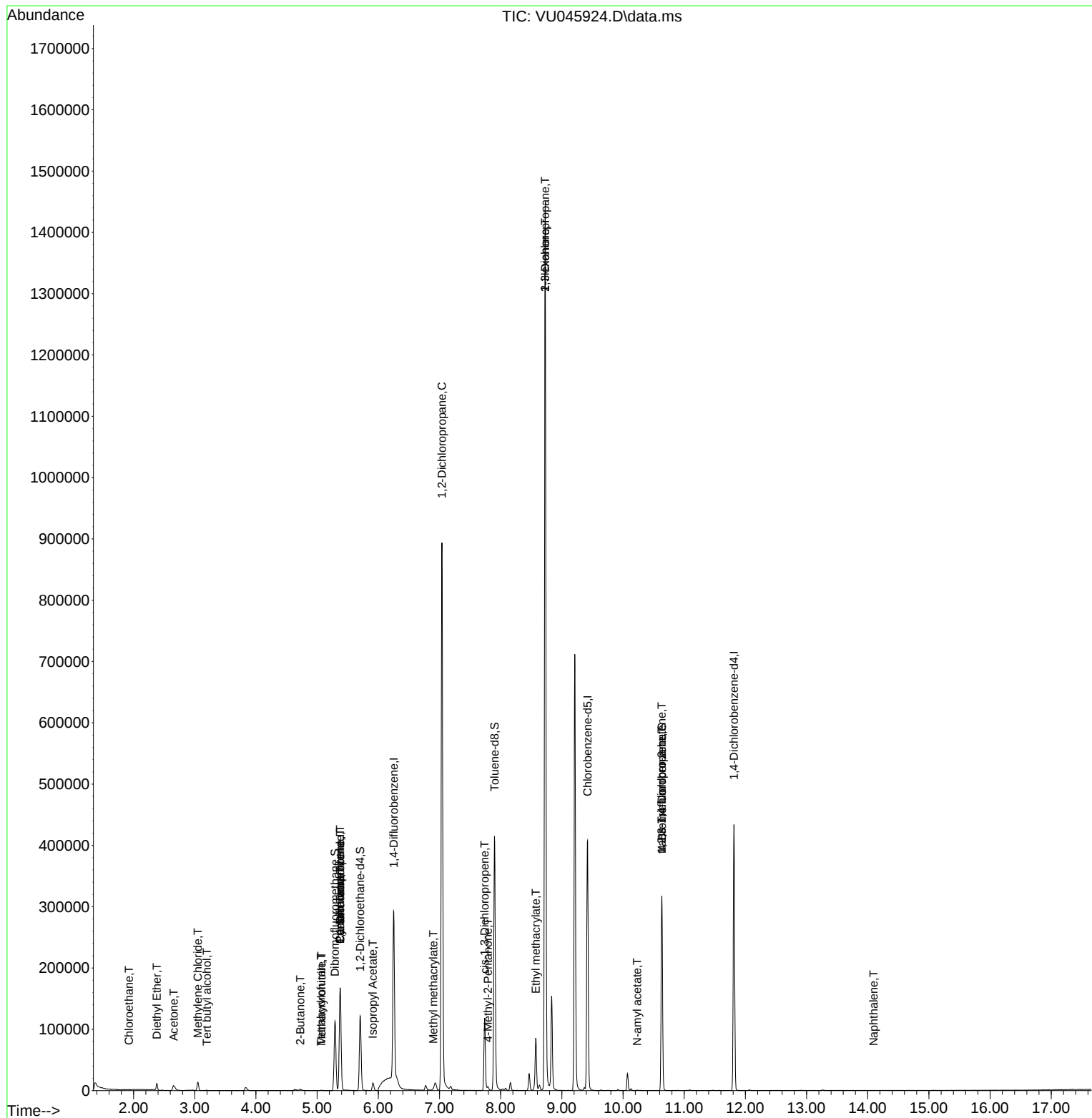
Internal Standards						
1) Pentafluorobenzene	5.375	168	112414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	216036	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	225657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	112203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	90060	53.495	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.980%			
35) Dibromofluoromethane	5.292	113	73193	50.745	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.500%			
50) Toluene-d8	7.899	98	281809	52.543	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.080%			
62) 4-Bromofluorobenzene	10.635	95	108546	50.470	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.940%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.922	64	277	0.261	ug/l #	41
8) Diethyl Ether	2.379	74	3863	4.543	ug/l	95
11) Tert butyl alcohol	3.198	59	495	1.485	ug/l #	72
16) Acetone	2.655	43	16987	19.821	ug/l	96
20) Methylene Chloride	3.051	84	6825	4.583	ug/l	95
25) 2-Butanone	4.726	43	4301	3.618	ug/l	96
29) Tetrahydrofuran	5.067	42	663	0.912	ug/l #	46
31) Cyclohexane	5.375	56	2503	1.019	ug/l #	3
36) 1,1-Dichloropropene	5.375	75	10018	4.756	ug/l #	51
38) Carbon Tetrachloride	5.375	117	12155	5.723	ug/l #	16
41) Methacrylonitrile	5.073	41	284	0.222	ug/l #	22
43) Isopropyl Acetate	5.912	43	13980	3.777	ug/l	97
45) 1,2-Dichloropropane	7.041	63	1106	0.670	ug/l #	43
48) Methyl methacrylate	6.899	41	4767	2.798	ug/l #	13
51) 4-Methyl-2-Pentanone	7.793	43	4191	1.717	ug/l #	83
54) cis-1,3-Dichloropropene	7.738	75	22316	8.426	ug/l #	61
56) Ethyl methacrylate	8.574	69	822	2.700	ug/l #	1
57) 1,3-Dichloropropane	8.726	76	15380	5.396	ug/l #	42
59) 2-Hexanone	8.729	43	189358	93.982	ug/l #	49
74) N-amyl acetate	10.230	43	706	0.213	ug/l #	40
76) 1,2,3-Trichloropropane	10.632	75	56343	16.559	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.632	75	56343	53.991	ug/l #	12
95) Naphthalene	14.095	128	88	1.038	ug/l #	69

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

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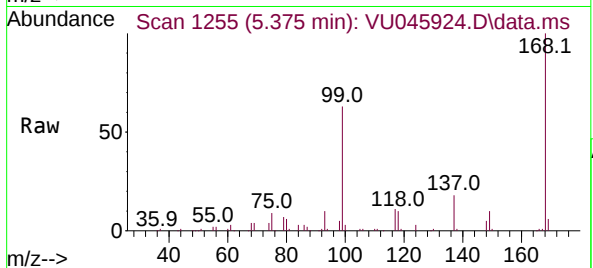
Quant Time: Nov 23 05:18:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
Quant Title : SW846 8260
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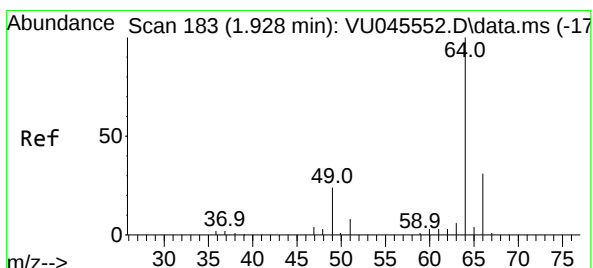
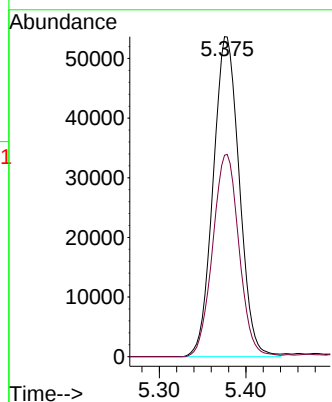
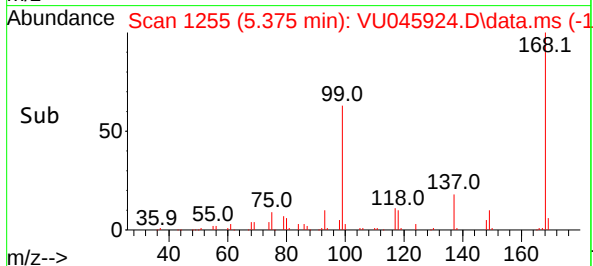


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045924.D
Acq: 22 Nov 2021 19:02

Instrument :
MSVOA_U
ClientSampleId :

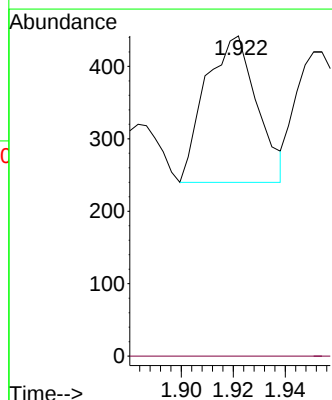
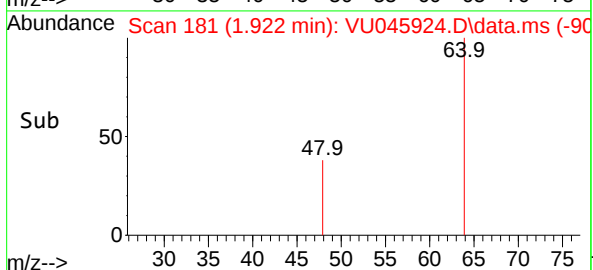
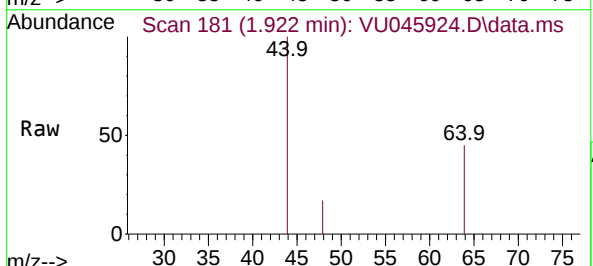


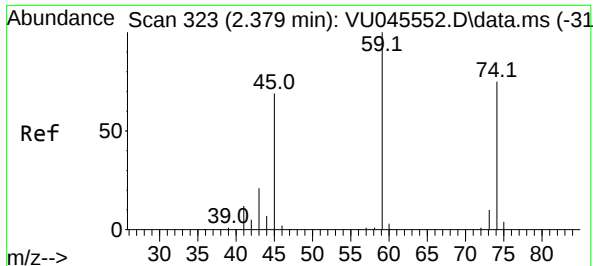
Tgt Ion:168 Resp: 112414
Ion Ratio Lower Upper
168 100
99 63.0 51.0 76.6



#6
Chloroethane
Concen: 0.261 ug/l
RT: 1.922 min Scan# 181
Delta R.T. -0.007 min
Lab File: VU045924.D
Acq: 22 Nov 2021 19:02

Tgt Ion: 64 Resp: 277
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#8

Diethyl Ether

Concen: 4.543 ug/l

RT: 2.379 min Scan# 31

Delta R.T. -0.000 min

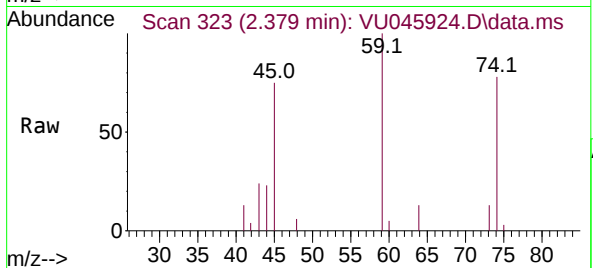
Lab File: VU045924.D

Acq: 22 Nov 2021 19:02

Instrument :

MSVOA_U

ClientSampleId :

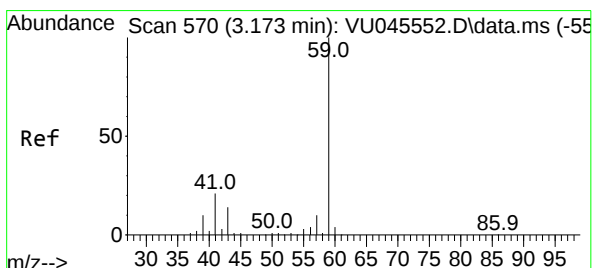
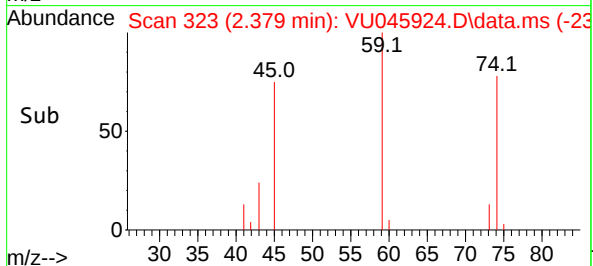
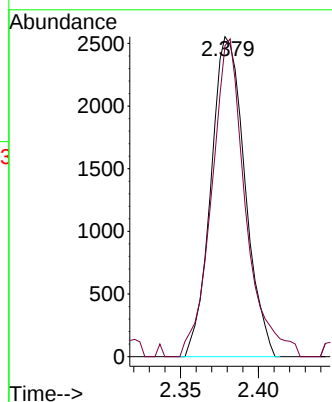


Tgt Ion: 74 Resp: 3863

Ion Ratio Lower Upper

74 100

45 99.0 47.3 141.8



#11

Tert butyl alcohol

Concen: 1.485 ug/l

RT: 3.198 min Scan# 578

Delta R.T. 0.026 min

Lab File: VU045924.D

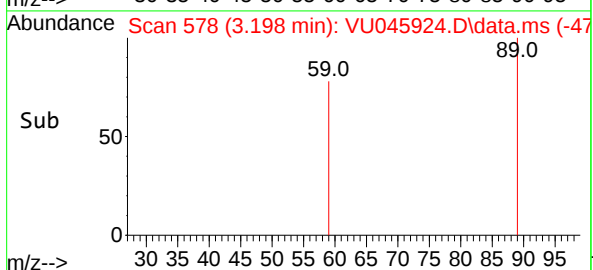
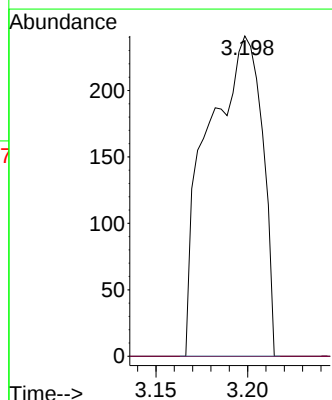
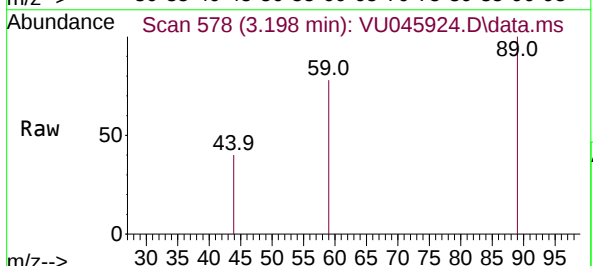
Acq: 22 Nov 2021 19:02

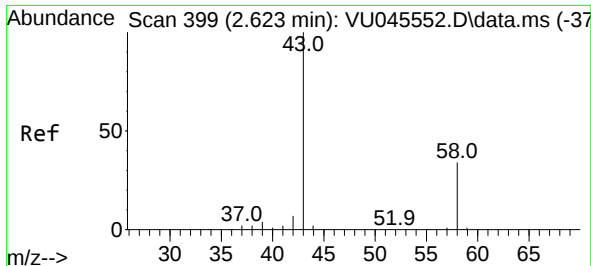
Tgt Ion: 59 Resp: 495

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

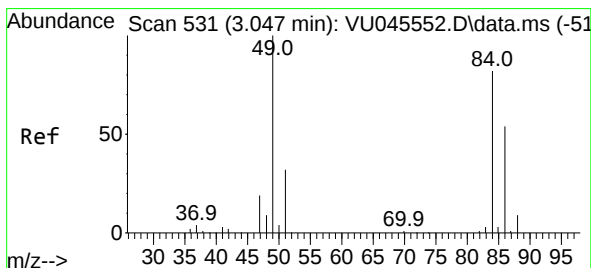
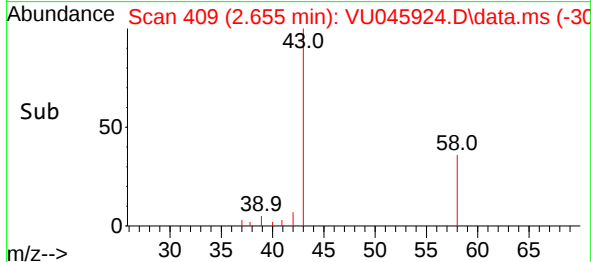
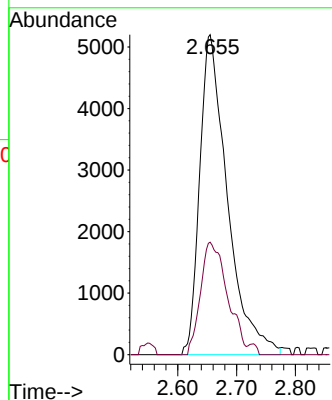
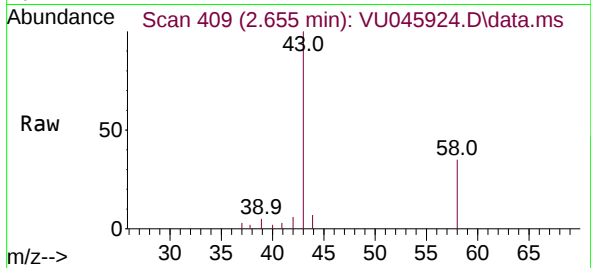




#16
Acetone
Concen: 19.821 ug/l
RT: 2.655 min Scan# 409
Delta R.T. 0.032 min
Lab File: VU045924.D
Acq: 22 Nov 2021 19:02

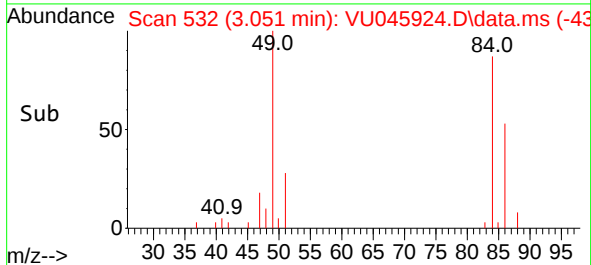
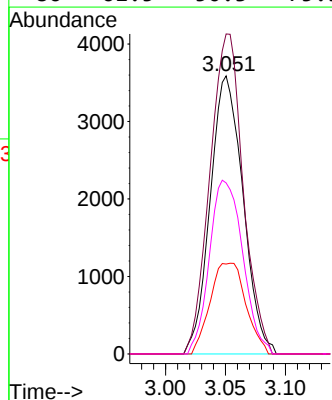
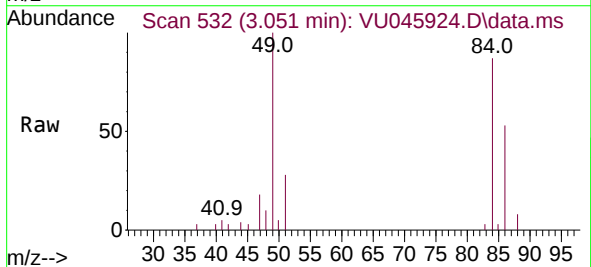
Instrument :
MSVOA_U
ClientSampleId :

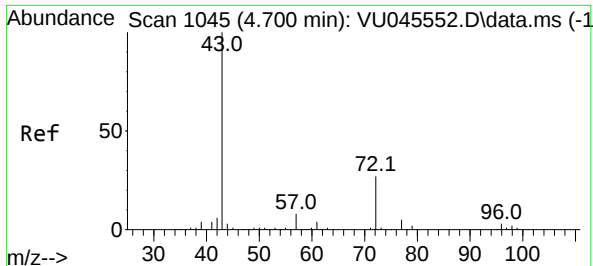
Tgt Ion: 43 Resp: 16987
Ion Ratio Lower Upper
43 100
58 35.1 26.2 39.2



#20
Methylene Chloride
Concen: 4.583 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU045924.D
Acq: 22 Nov 2021 19:02

Tgt Ion: 84 Resp: 6825
Ion Ratio Lower Upper
84 100
49 115.1 96.4 144.6
51 32.3 30.5 45.7
86 61.5 50.3 75.5





#25

2-Butanone

Concen: 3.618 ug/l

RT: 4.726 min Scan# 1105

Delta R.T. 0.026 min

Lab File: VU045924.D

Acq: 22 Nov 2021 19:02

Instrument :

MSVOA_U

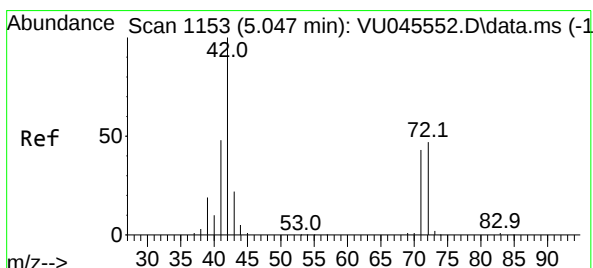
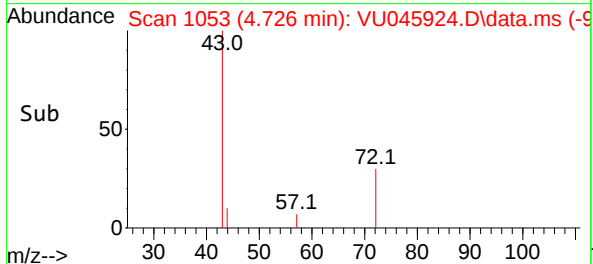
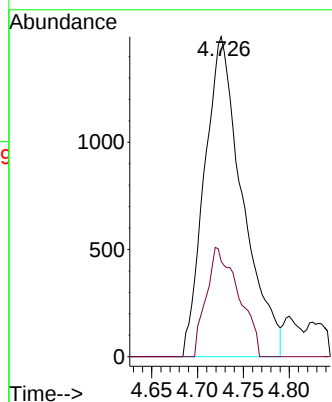
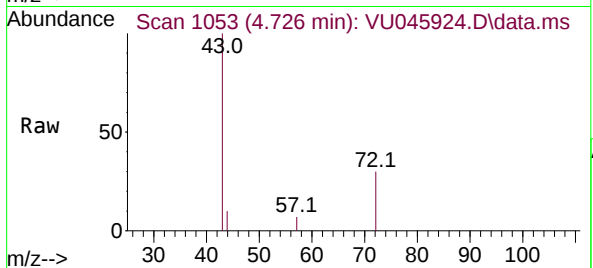
ClientSampleId :

Tgt Ion: 43 Resp: 4301

Ion Ratio Lower Upper

43 100

72 29.8 22.0 33.0



#29

Tetrahydrofuran

Concen: 0.912 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.019 min

Lab File: VU045924.D

Acq: 22 Nov 2021 19:02

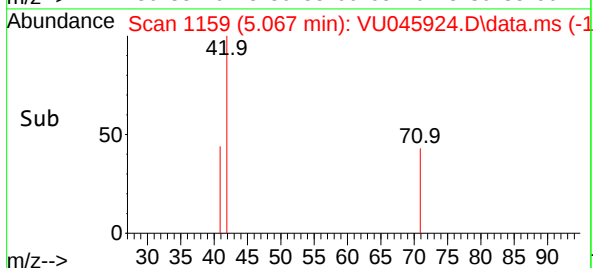
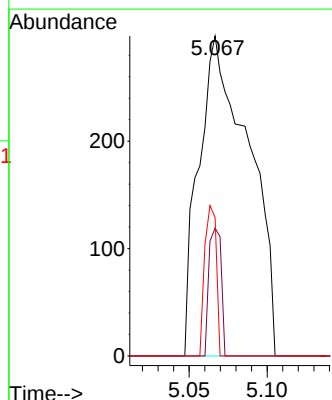
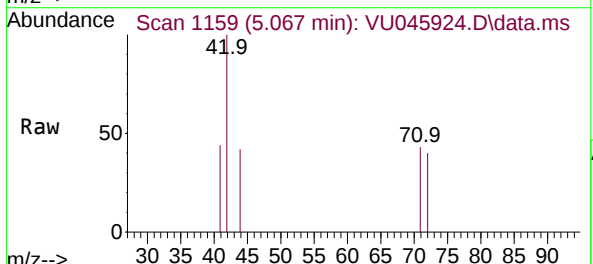
Tgt Ion: 42 Resp: 663

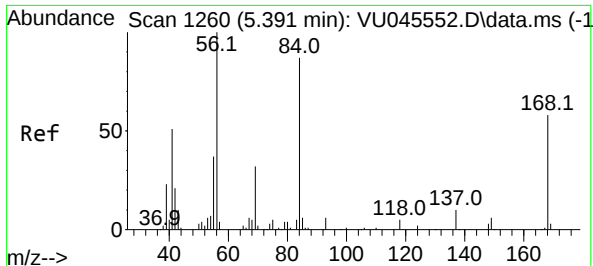
Ion Ratio Lower Upper

42 100

72 9.8 38.2 57.4#

71 10.9 35.4 53.2#

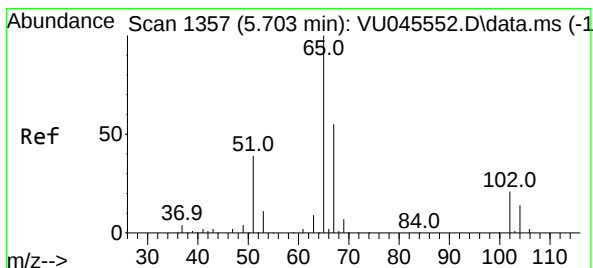
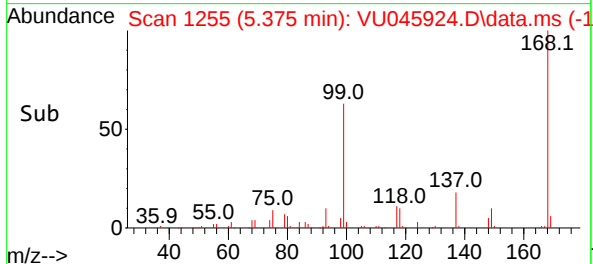
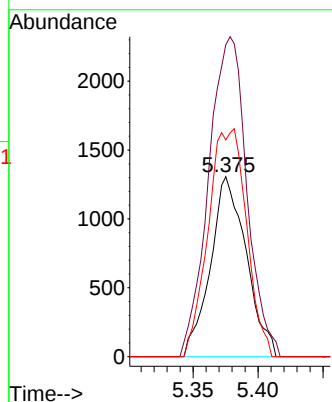
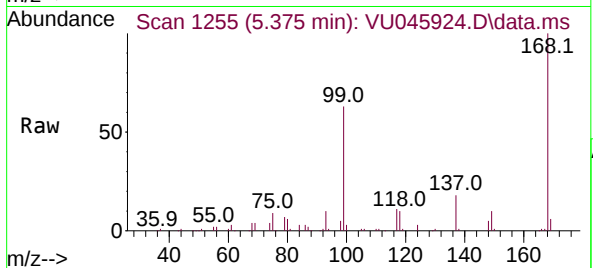




#31
Cyclohexane
Concen: 1.019 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045924.D
Acq: 22 Nov 2021 19:02

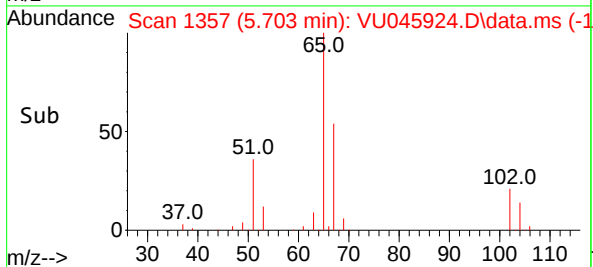
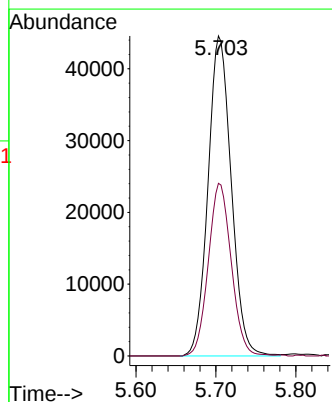
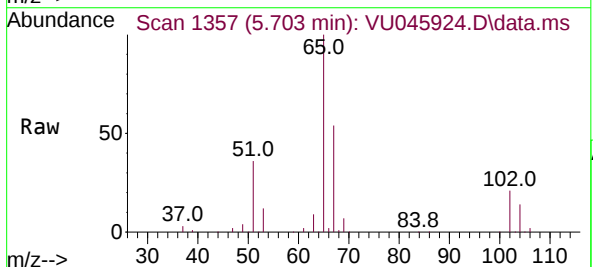
Instrument :
MSVOA_U
ClientSampleId :

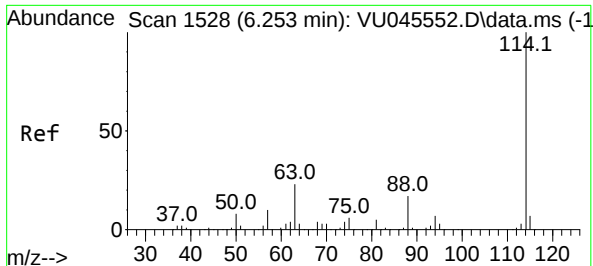
Tgt Ion: 56 Resp: 2503
Ion Ratio Lower Upper
56 100
69 173.3 26.4 39.6#
84 120.4 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 53.495 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.000 min
Lab File: VU045924.D
Acq: 22 Nov 2021 19:02

Tgt Ion: 65 Resp: 90060
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU045924.D

Acq: 22 Nov 2021 19:02

Instrument :

MSVOA_U

ClientSampleId :

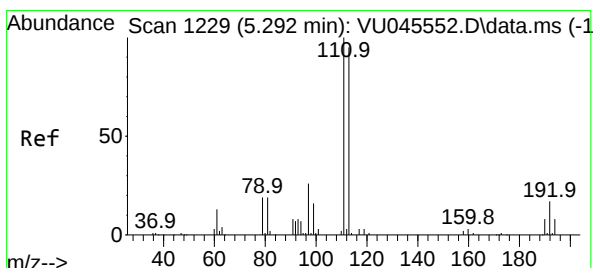
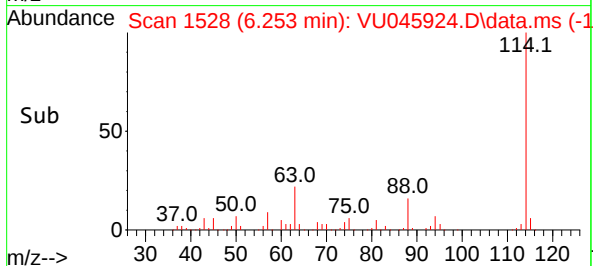
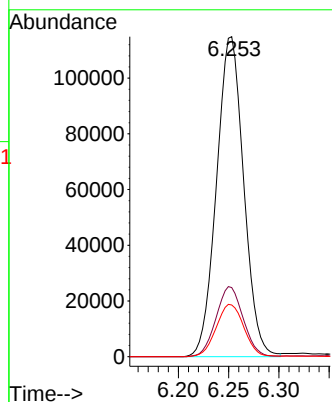
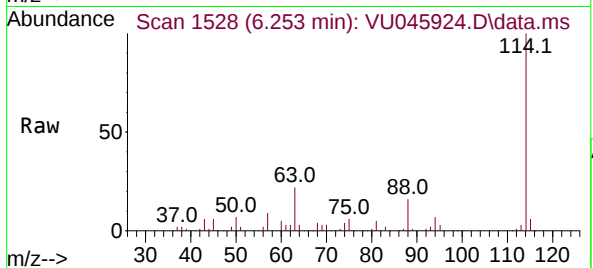
Tgt Ion:114 Resp: 216036

Ion Ratio Lower Upper

114 100

63 21.6 0.0 45.6

88 16.2 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.745 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045924.D

Acq: 22 Nov 2021 19:02

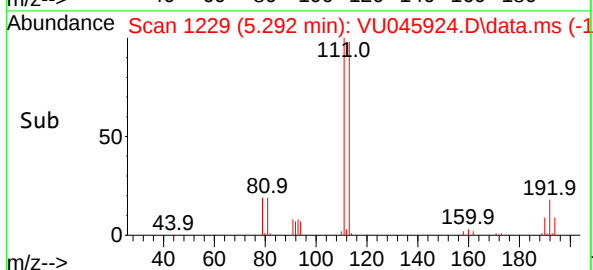
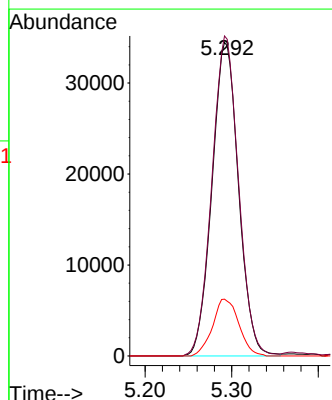
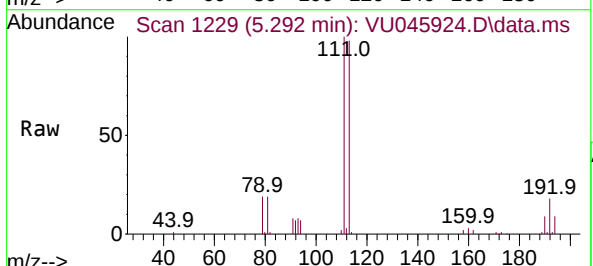
Tgt Ion:113 Resp: 73193

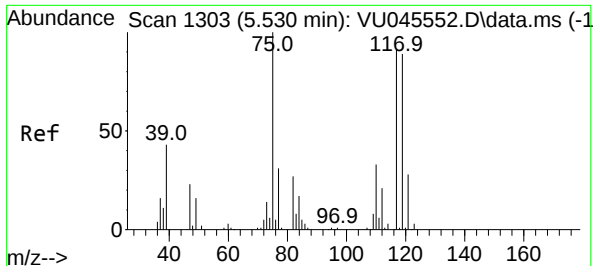
Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 18.0 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.756 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045924.D

Acq: 22 Nov 2021 19:02

Instrument :

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ClientSampleId :

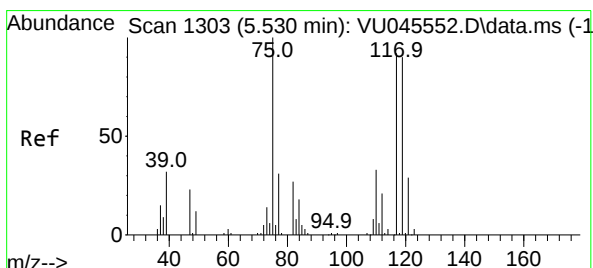
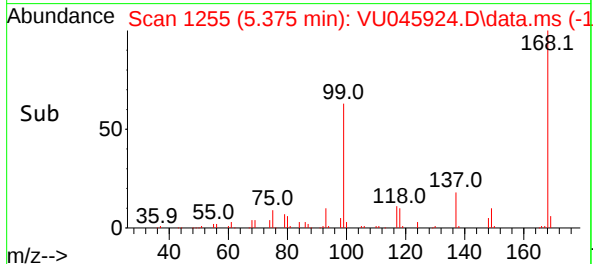
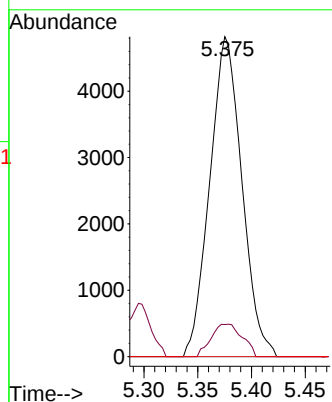
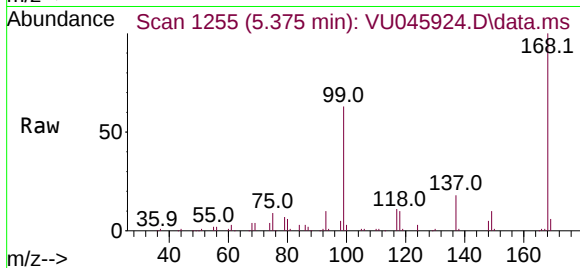
Tgt Ion: 75 Resp: 10018

Ion Ratio Lower Upper

75 100

110 9.8 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.723 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045924.D

Acq: 22 Nov 2021 19:02

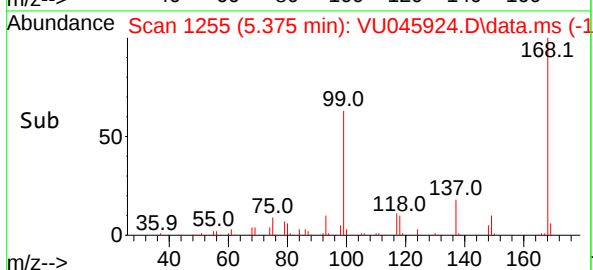
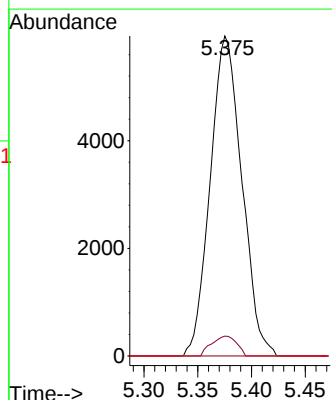
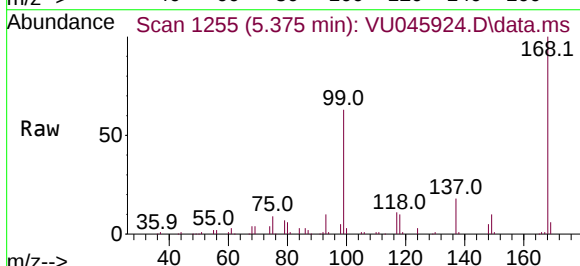
Tgt Ion: 117 Resp: 12155

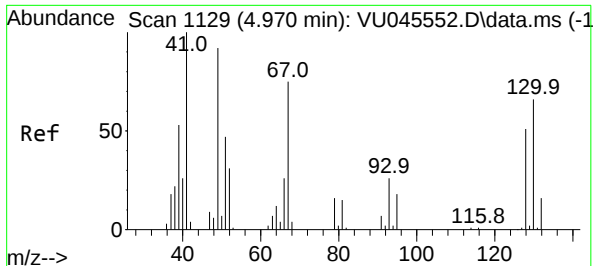
Ion Ratio Lower Upper

117 100

119 6.2 77.4 116.0#

121 0.0 24.8 37.2#

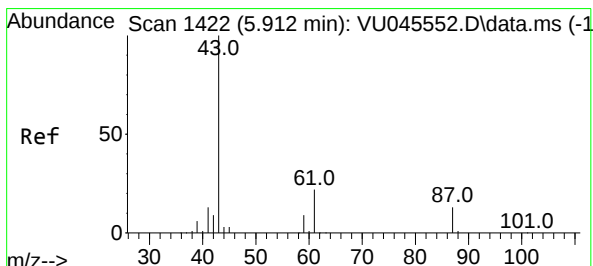
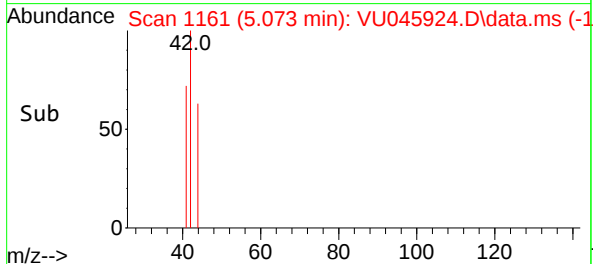
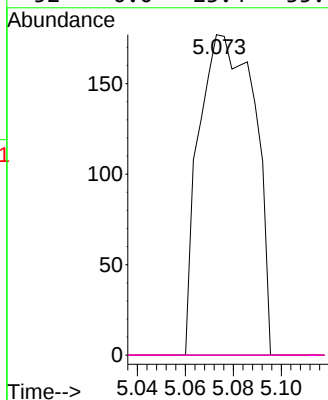
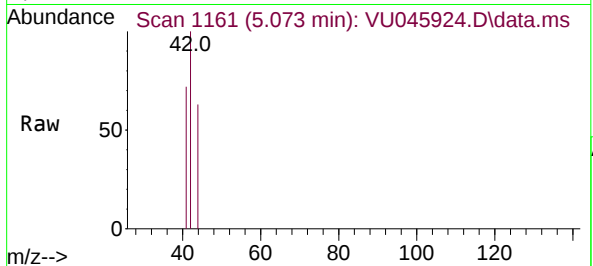




#41
Methacrylonitrile
Concen: 0.222 ug/l
RT: 5.073 min Scan# 1129
Delta R.T. 0.103 min
Lab File: VU045924.D
Acq: 22 Nov 2021 19:02

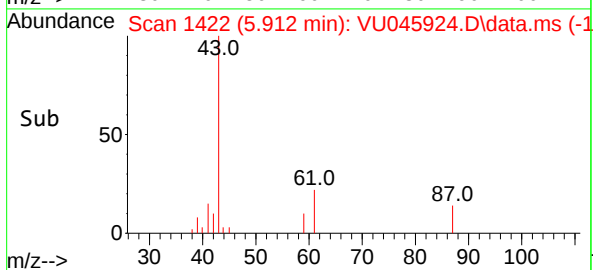
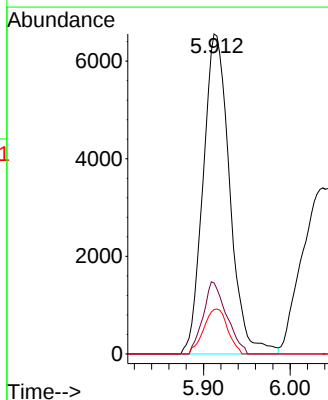
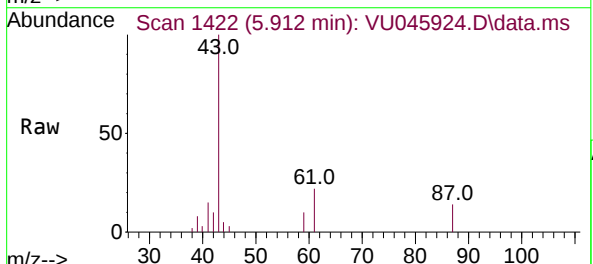
Instrument :
MSVOA_U
ClientSampleId :

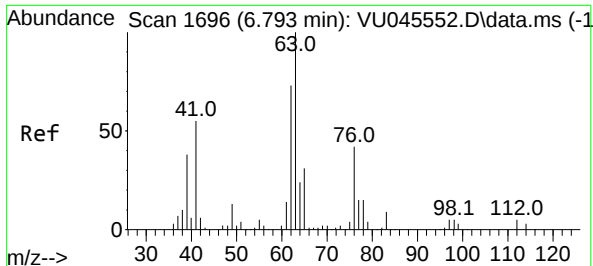
Tgt Ion: 41	Resp: 284
Ion Ratio	Lower Upper
41 100	
39 0.0	43.4 65.0#
67 0.0	61.0 91.4#
52 0.0	23.4 35.0#



#43
Isopropyl Acetate
Concen: 3.777 ug/l
RT: 5.912 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VU045924.D
Acq: 22 Nov 2021 19:02

Tgt Ion: 43	Resp: 13980
Ion Ratio	Lower Upper
43 100	
61 19.8	16.9 25.3
87 12.6	11.0 16.4





#45

1,2-Dichloropropane

Concen: 0.670 ug/l

RT: 7.041 min Scan# 1

Delta R.T. 0.248 min

Lab File: VU045924.D

Acq: 22 Nov 2021 19:02

Instrument :

MSVOA_U

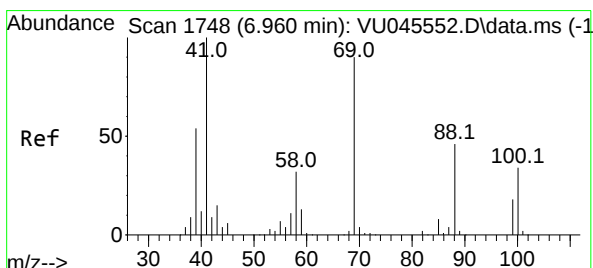
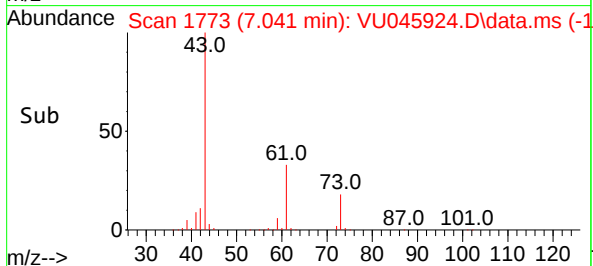
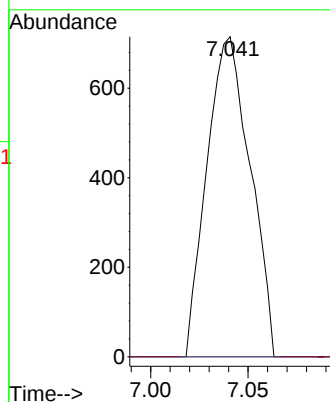
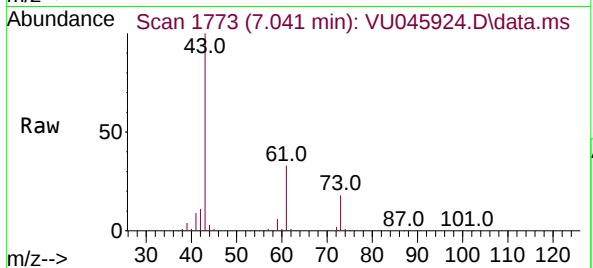
ClientSampleId :

Tgt Ion: 63 Resp: 1106

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 2.798 ug/l

RT: 6.899 min Scan# 1729

Delta R.T. -0.061 min

Lab File: VU045924.D

Acq: 22 Nov 2021 19:02

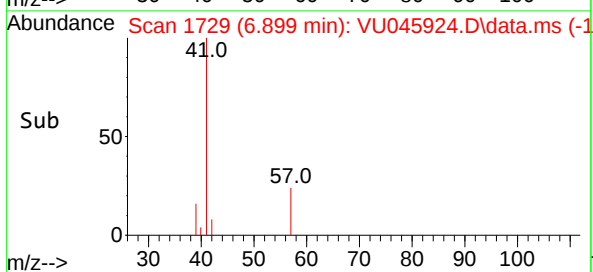
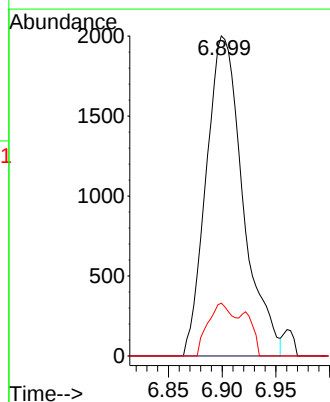
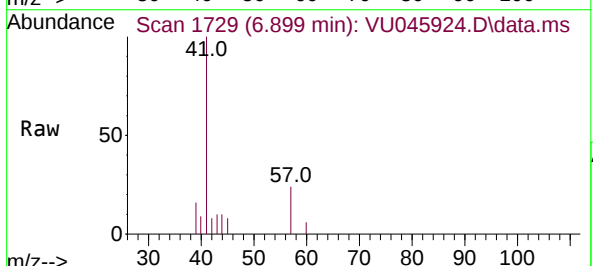
Tgt Ion: 41 Resp: 4767

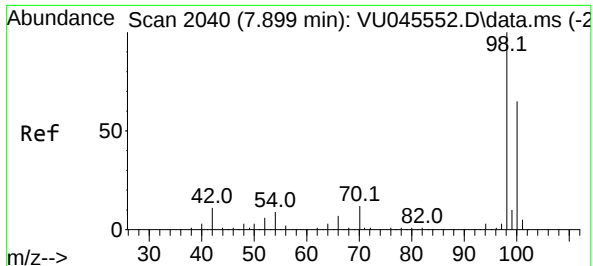
Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#

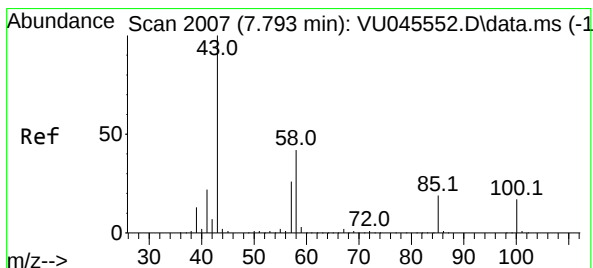
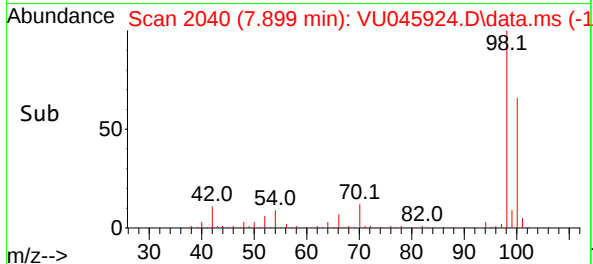
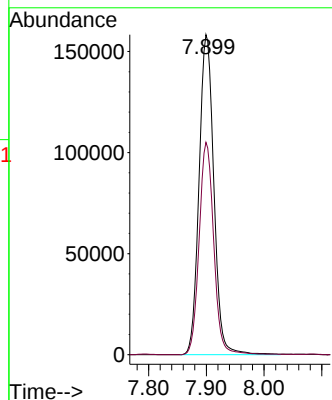
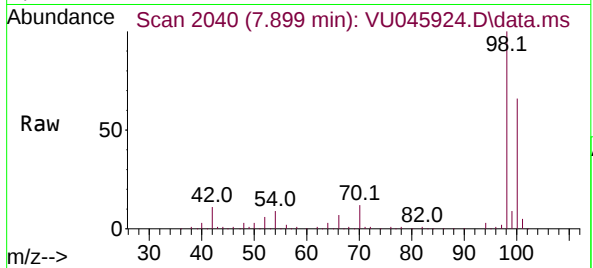




#50
Toluene-d8
Concen: 52.543 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045924.D
Acq: 22 Nov 2021 19:02

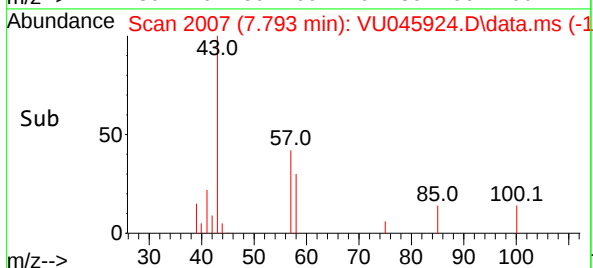
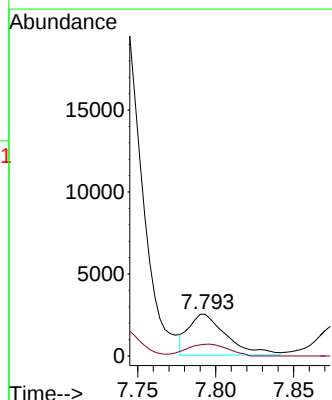
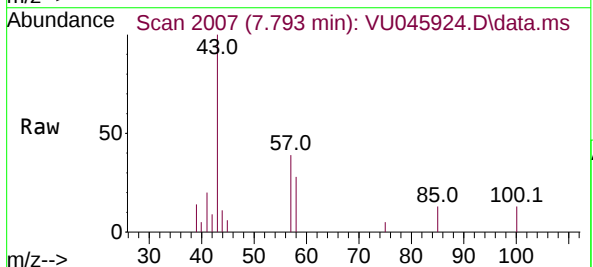
Instrument :
MSVOA_U
ClientSampleId :

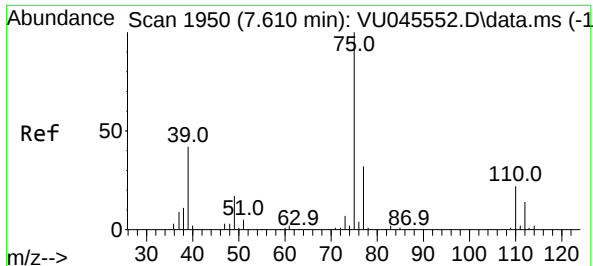
Tgt Ion: 98 Resp: 281809
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.717 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. -0.000 min
Lab File: VU045924.D
Acq: 22 Nov 2021 19:02

Tgt Ion: 43 Resp: 4191
Ion Ratio Lower Upper
43 100
58 31.8 33.8 50.8#

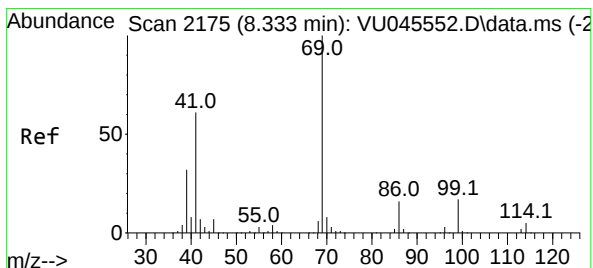
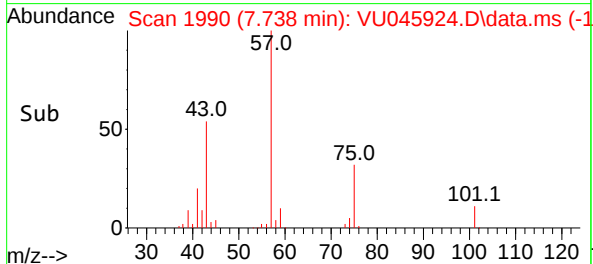
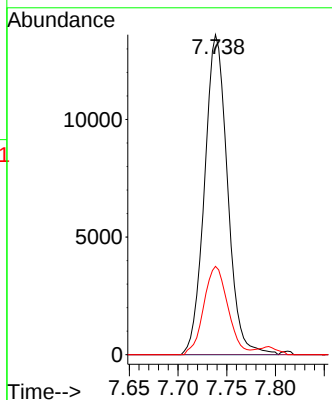
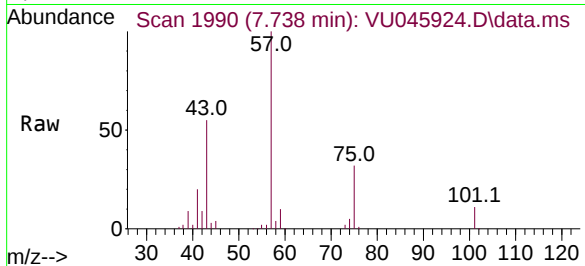




#54
 cis-1,3-Dichloropropene
 Concen: 8.426 ug/l
 RT: 7.738 min Scan# 1950
 Delta R.T. 0.129 min
 Lab File: VU045924.D
 Acq: 22 Nov 2021 19:02

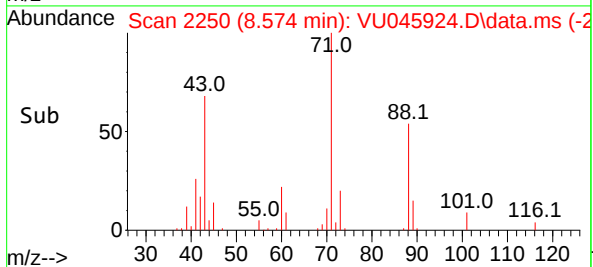
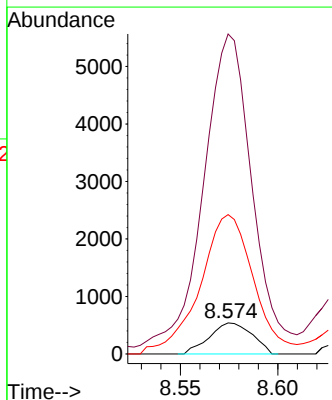
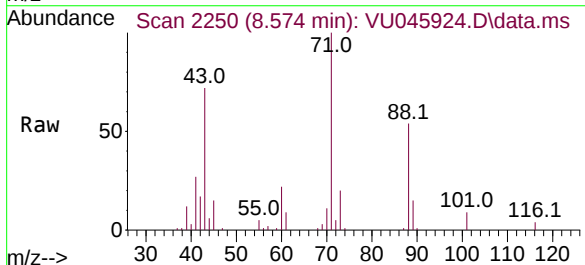
Instrument :
 MSVOA_U
 ClientSampleId :

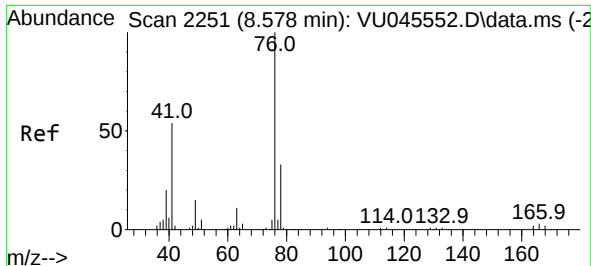
Tgt Ion: 75 Resp: 22316
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 27.6 37.1 55.7#



#56
 Ethyl methacrylate
 Concen: 2.700 ug/l
 RT: 8.574 min Scan# 2250
 Delta R.T. 0.241 min
 Lab File: VU045924.D
 Acq: 22 Nov 2021 19:02

Tgt Ion: 69 Resp: 822
 Ion Ratio Lower Upper
 69 100
 41 1126.4 51.0 76.4#
 39 563.6 26.6 39.8#





#57

1,3-Dichloropropane

Concen: 5.396 ug/l

RT: 8.726 min Scan# 21

Delta R.T. 0.148 min

Lab File: VU045924.D

Acq: 22 Nov 2021 19:02

Instrument :

MSVOA_U

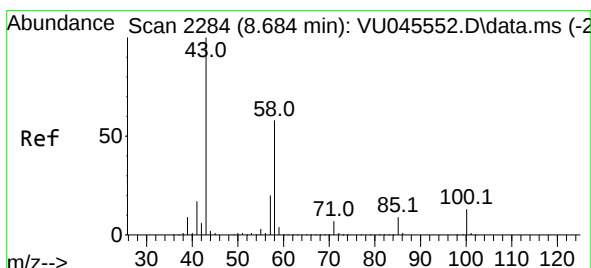
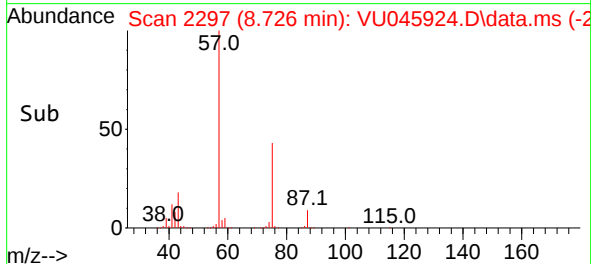
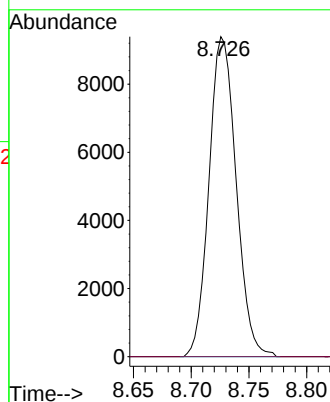
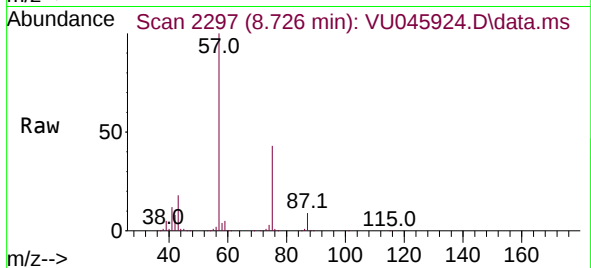
ClientSampleId :

Tgt Ion: 76 Resp: 15380

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 93.982 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.045 min

Lab File: VU045924.D

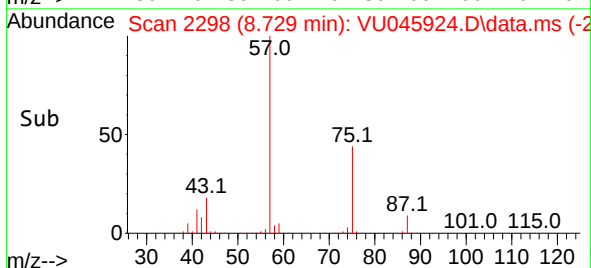
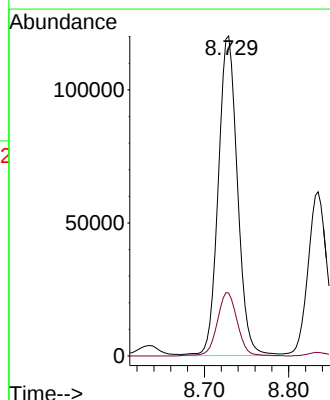
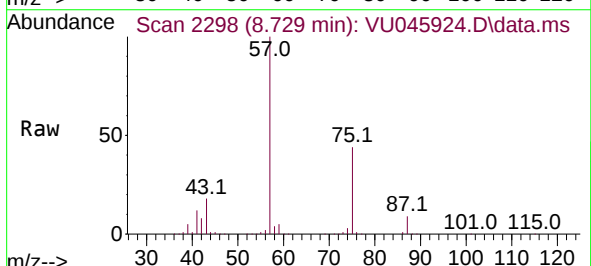
Acq: 22 Nov 2021 19:02

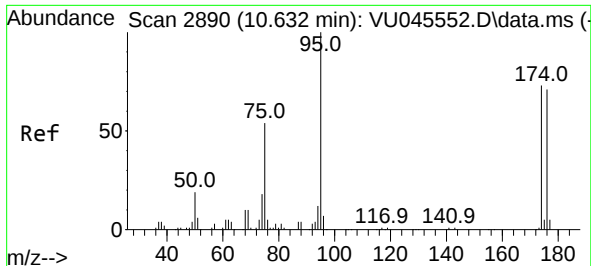
Tgt Ion: 43 Resp: 189358

Ion Ratio Lower Upper

43 100

58 20.9 29.5 88.6#





#62

4-Bromofluorobenzene

Concen: 50.470 ug/l

RT: 10.635 min Scan# 2890

Delta R.T. 0.003 min

Lab File: VU045924.D

Acq: 22 Nov 2021 19:02

Instrument :

MSVOA_U

ClientSampleId :

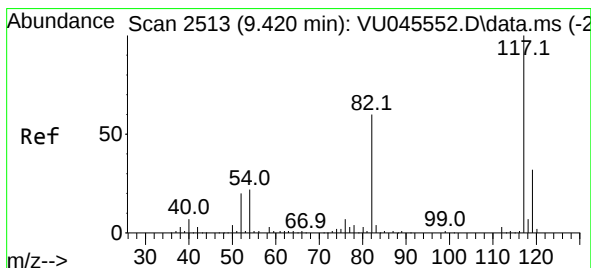
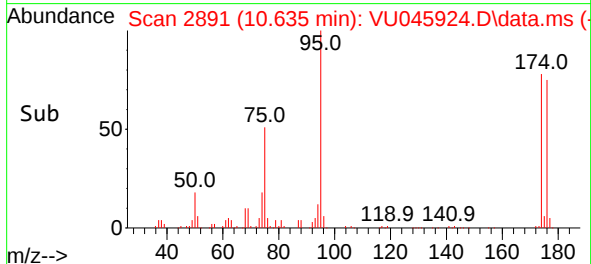
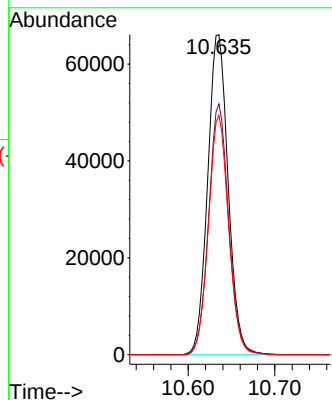
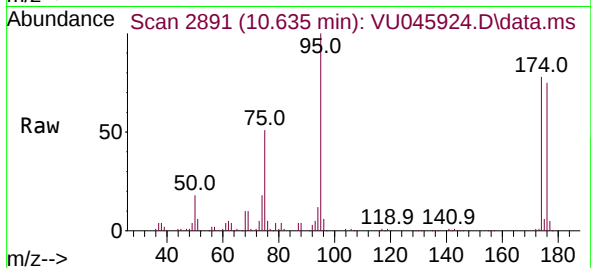
Tgt Ion: 95 Resp: 108546

Ion Ratio Lower Upper

95 100

174 76.7 0.0 141.8

176 73.4 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: VU045924.D

Acq: 22 Nov 2021 19:02

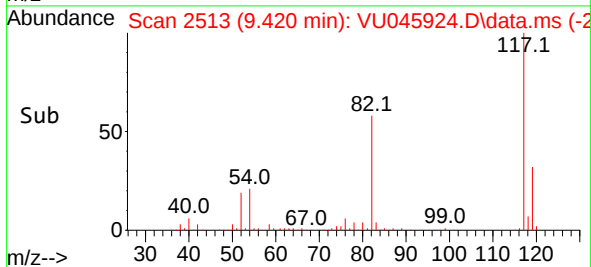
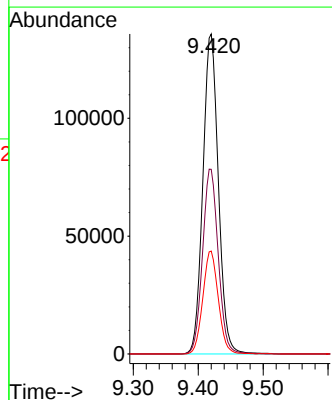
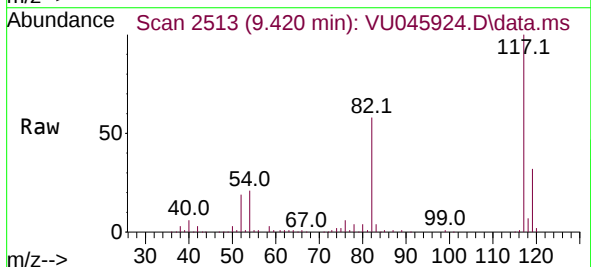
Tgt Ion: 117 Resp: 225657

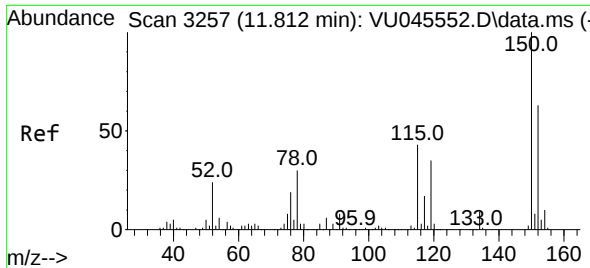
Ion Ratio Lower Upper

117 100

82 57.7 47.8 71.8

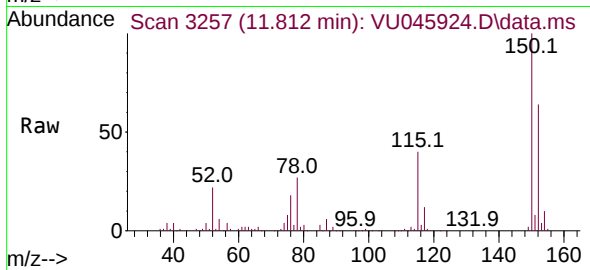
119 32.1 25.8 38.8



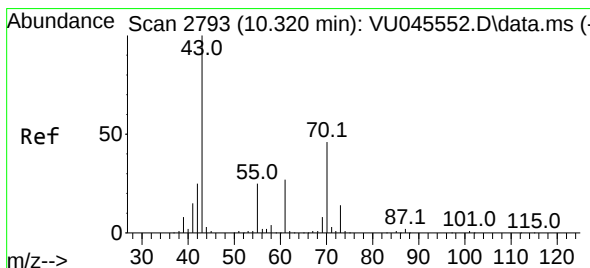
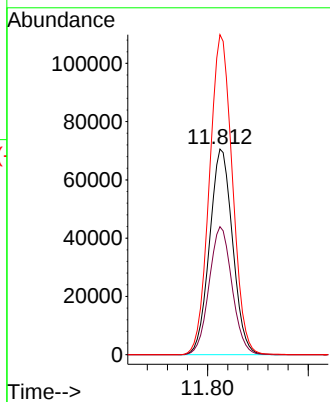
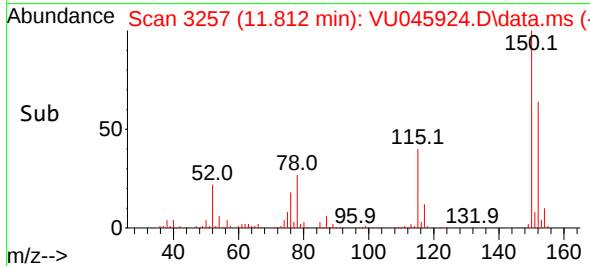


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU045924.D
Acq: 22 Nov 2021 19:02

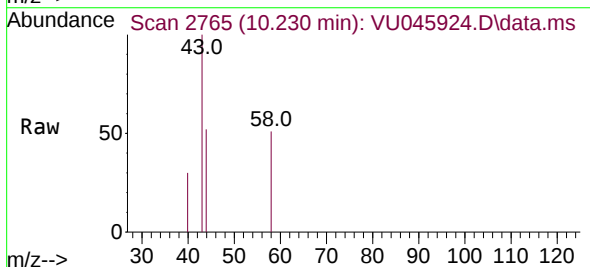
Instrument :
MSVOA_U
ClientSampleId :



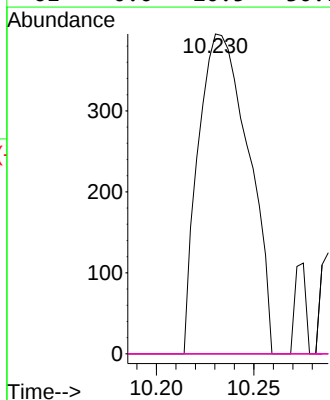
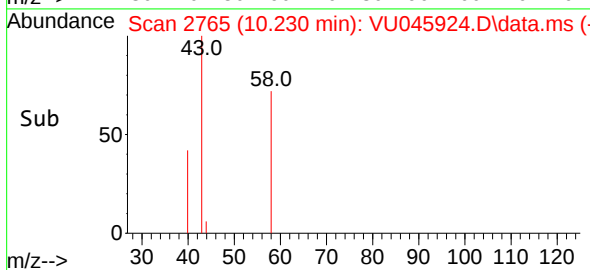
Tgt Ion:152 Resp: 112203
Ion Ratio Lower Upper
152 100
115 61.8 42.7 128.1
150 155.4 0.0 346.8

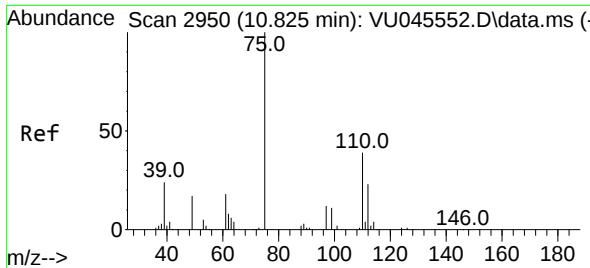


#74
N-ethyl acetate
Concen: 0.213 ug/l
RT: 10.230 min Scan# 2765
Delta R.T. -0.090 min
Lab File: VU045924.D
Acq: 22 Nov 2021 19:02



Tgt Ion: 43 Resp: 706
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#

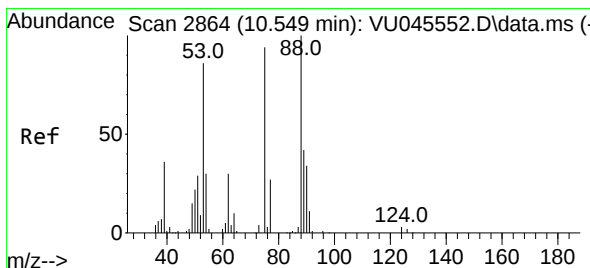
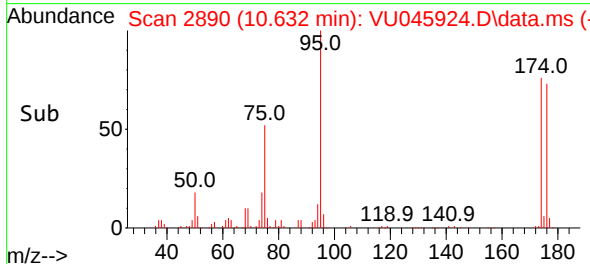
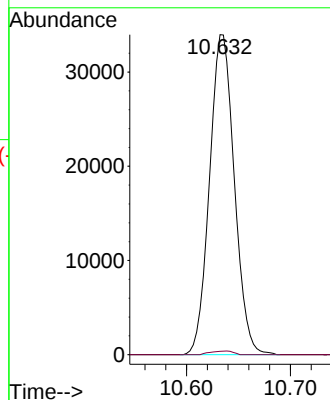
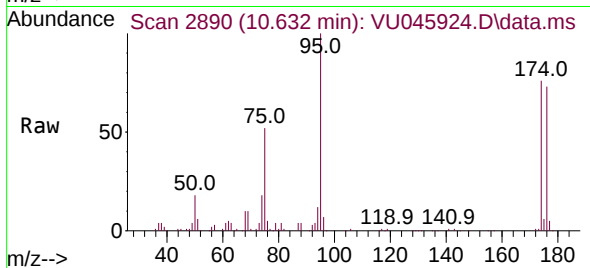




#76
1,2,3-Trichloropropane
Concen: 16.559 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.193 min
Lab File: VU045924.D
Acq: 22 Nov 2021 19:02

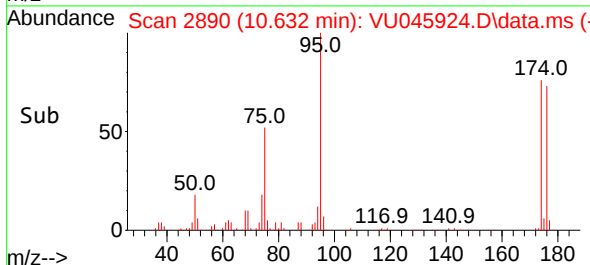
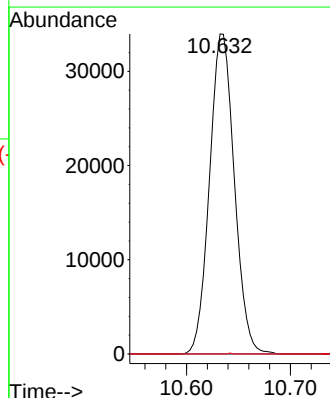
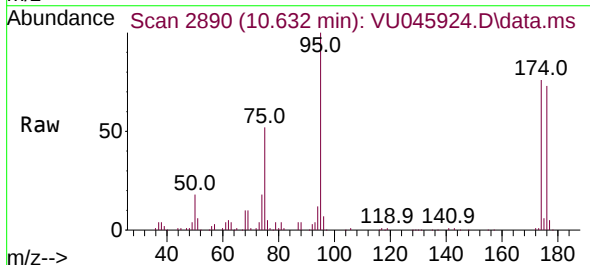
Instrument :
MSVOA_U
ClientSampleId :

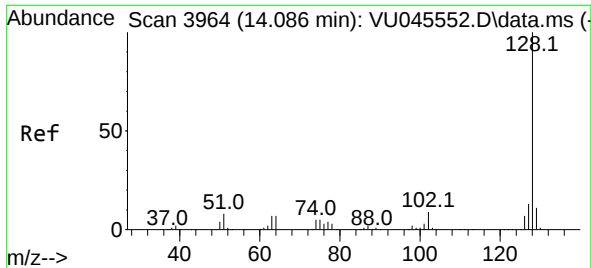
Tgt Ion: 75 Resp: 56343
Ion Ratio Lower Upper
75 100
77 1.0 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.991 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.083 min
Lab File: VU045924.D
Acq: 22 Nov 2021 19:02

Tgt Ion: 75 Resp: 56343
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#





#95

Naphthalene

Concen: 1.038 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.009 min

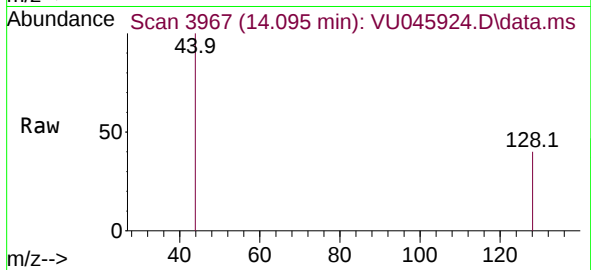
Lab File: VU045924.D

Acq: 22 Nov 2021 19:02

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 88

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

