

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045920.D
 Acq On : 22 Nov 2021 17:32
 Operator : SY/MD
 Sample : PB140933ZHE#05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 05:17:17 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)

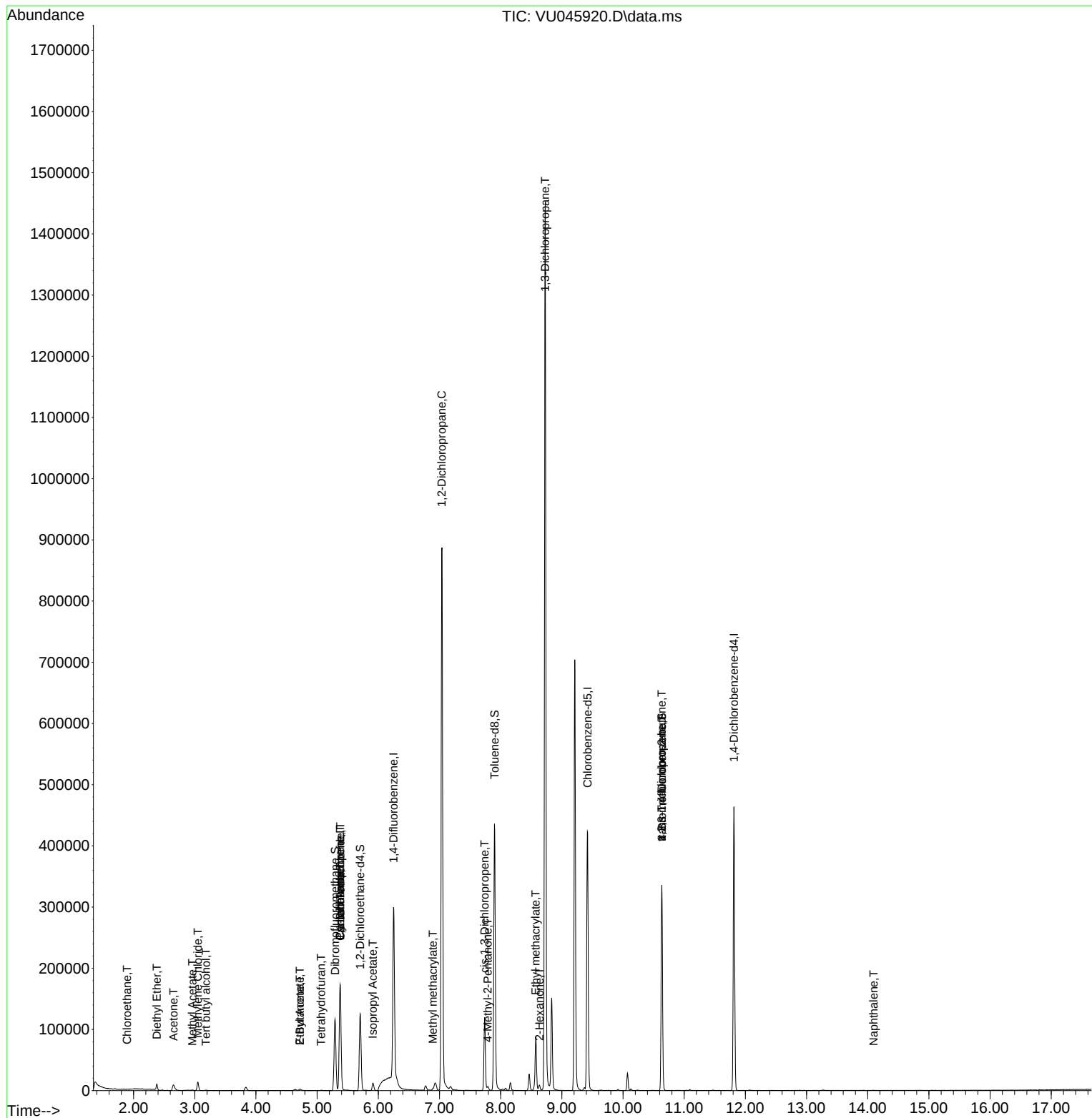
Internal Standards						
1) Pentafluorobenzene	5.375	168	116919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	222462	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	237441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	118014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	92861	53.033	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 106.060%		
35) Dibromofluoromethane	5.292	113	75064	50.539	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.080%		
50) Toluene-d8	7.899	98	290387	52.578	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 105.160%		
62) 4-Bromofluorobenzene	10.636	95	112782	50.925	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 101.840%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.893	64	321	0.291	ug/l #	41
8) Diethyl Ether	2.379	74	3665	4.144	ug/l	95
11) Tert butyl alcohol	3.183	59	461	1.330	ug/l #	72
16) Acetone	2.652	43	17158	19.250	ug/l	98
18) Methyl Acetate	2.961	43	1016	0.335	ug/l #	63
20) Methylene Chloride	3.051	84	6857	4.427	ug/l	93
25) 2-Butanone	4.716	43	4528	3.663	ug/l #	87
29) Tetrahydrofuran	5.063	42	242	0.320	ug/l #	61
31) Cyclohexane	5.375	56	2418	0.946	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	10237	4.719	ug/l #	50
37) Ethyl Acetate	4.716	43	4528	1.817	ug/l #	67
38) Carbon Tetrachloride	5.379	117	12259	5.606	ug/l #	17
43) Isopropyl Acetate	5.912	43	13586	3.565	ug/l	99
45) 1,2-Dichloropropane	7.038	63	1144	0.673	ug/l #	43
48) Methyl methacrylate	6.893	41	4602	2.623	ug/l #	13
51) 4-Methyl-2-Pentanone	7.790	43	4206	1.673	ug/l #	81
54) cis-1,3-Dichloropropene	7.739	75	21757	7.978	ug/l #	60
56) Ethyl methacrylate	8.571	69	828	2.694	ug/l #	1
57) 1,3-Dichloropropane	8.726	76	15540	5.295	ug/l #	42
59) 2-Hexanone	8.632	43	7045	10.658	ug/l #	21
76) 1,2,3-Trichloropropane	10.632	75	59828	16.717	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.632	75	59828	54.479	ug/l #	12
95) Naphthalene	14.095	128	239	1.053	ug/l #	69

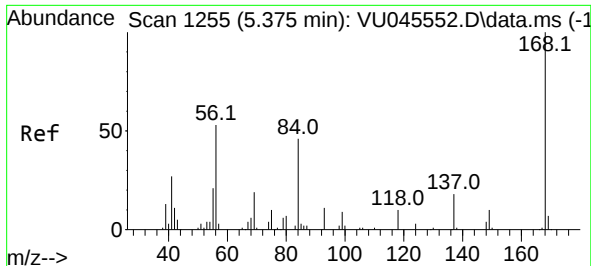
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
Data File : VU045920.D
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

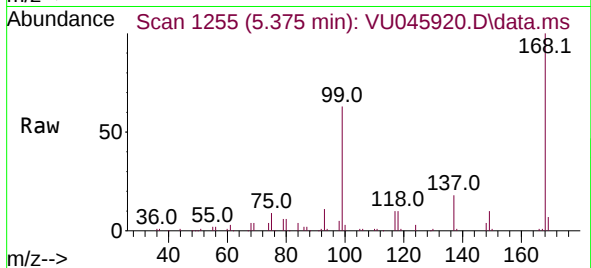
Quant Time: Nov 23 05:17:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 05 13:35:16 2021
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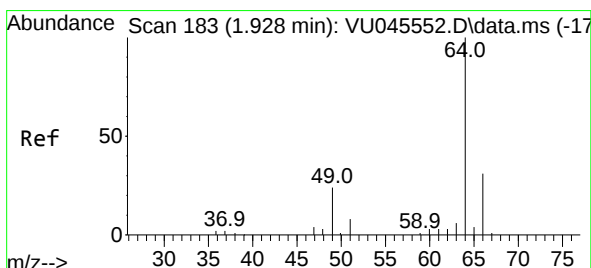
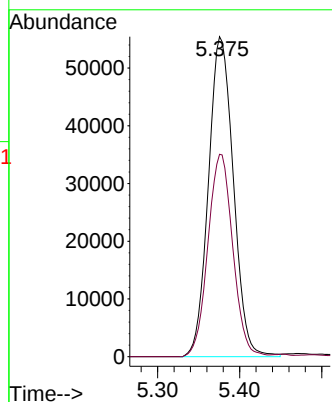
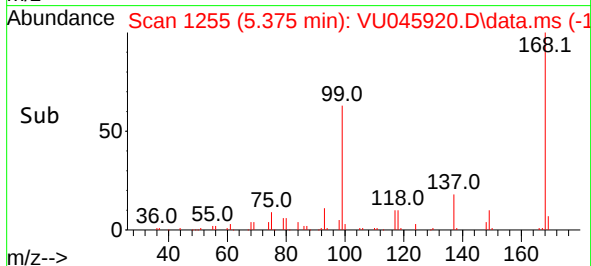


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

Instrument :
MSVOA_U
ClientSampleId :

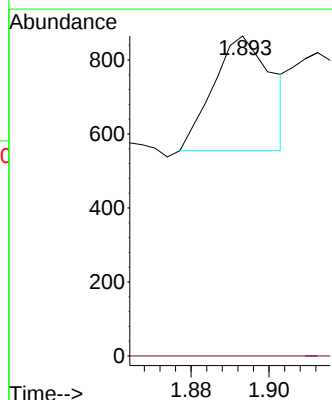
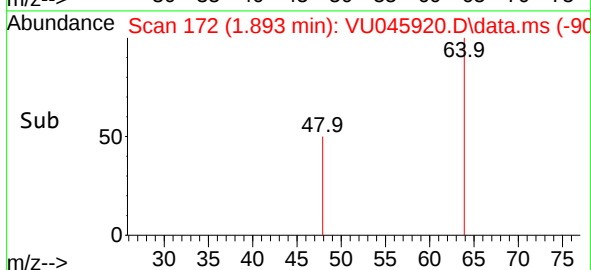
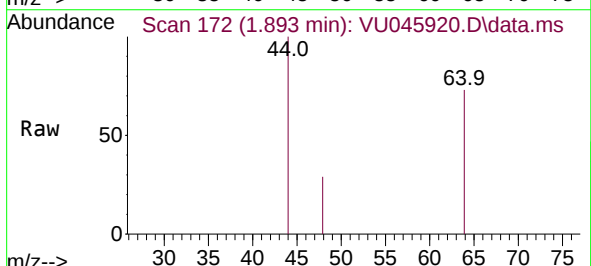


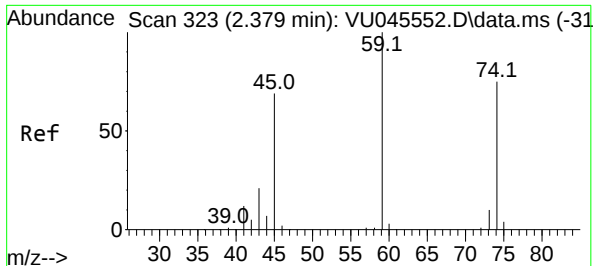
Tgt Ion:168 Resp: 116919
Ion Ratio Lower Upper
168 100
99 63.2 51.0 76.6



#6
Chloroethane
Concen: 0.291 ug/l
RT: 1.893 min Scan# 172
Delta R.T. -0.035 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

Tgt Ion: 64 Resp: 321
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#8

Diethyl Ether

Concen: 4.144 ug/l

RT: 2.379 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU045920.D

Acq: 22 Nov 2021 17:32

Instrument :

MSVOA_U

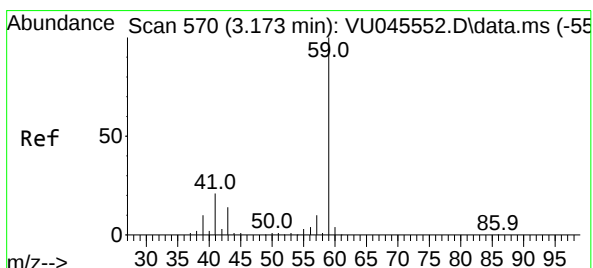
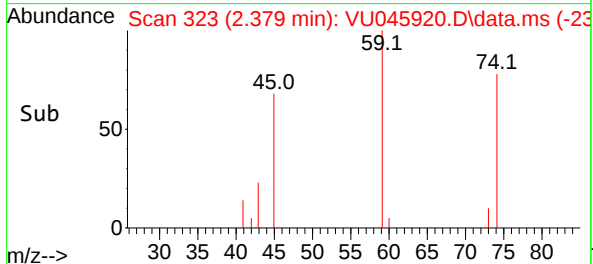
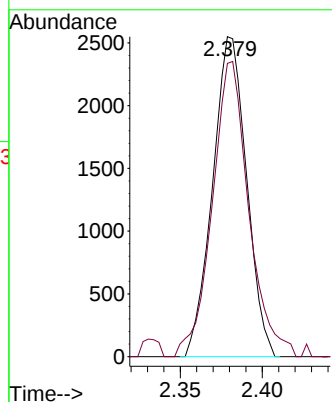
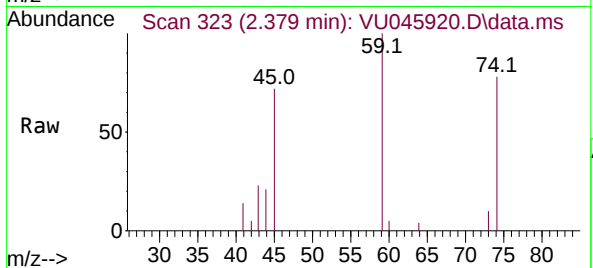
ClientSampleId :

Tgt Ion: 74 Resp: 3665

Ion Ratio Lower Upper

74 100

45 99.2 47.3 141.8



#11

Tert butyl alcohol

Concen: 1.330 ug/l

RT: 3.183 min Scan# 573

Delta R.T. 0.010 min

Lab File: VU045920.D

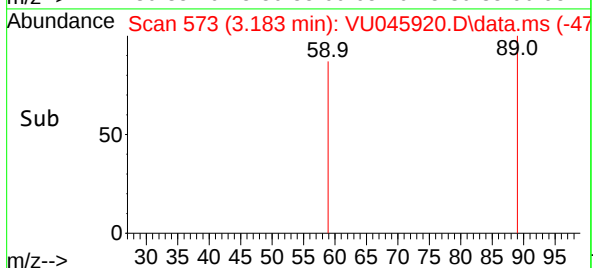
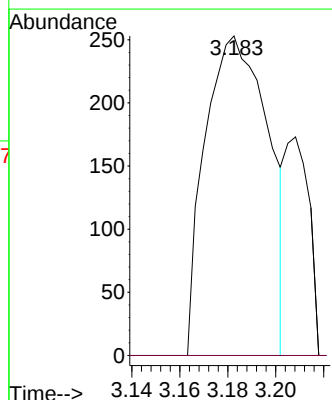
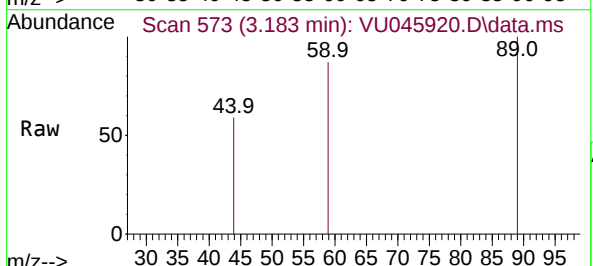
Acq: 22 Nov 2021 17:32

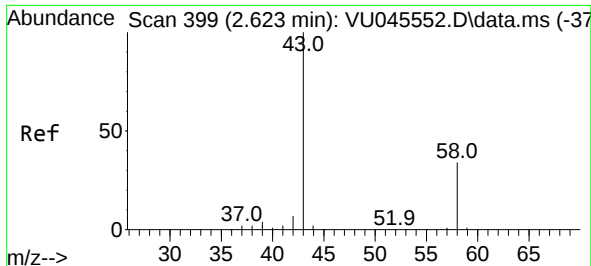
Tgt Ion: 59 Resp: 461

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

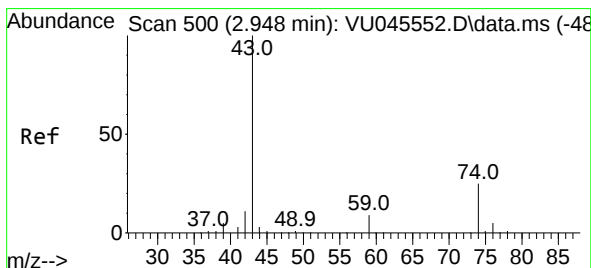
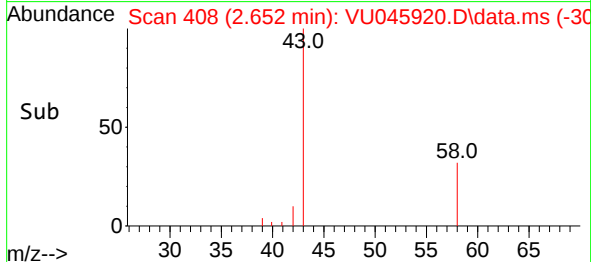
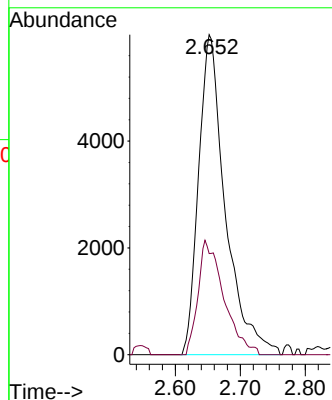
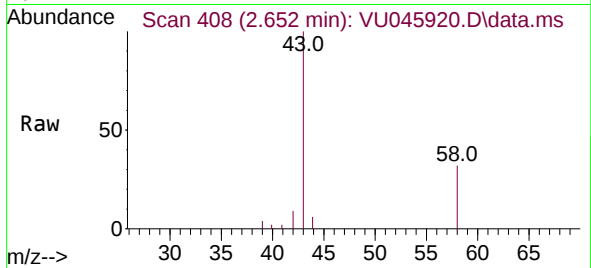




#16
Acetone
Concen: 19.250 ug/l
RT: 2.652 min Scan# 408
Delta R.T. 0.029 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

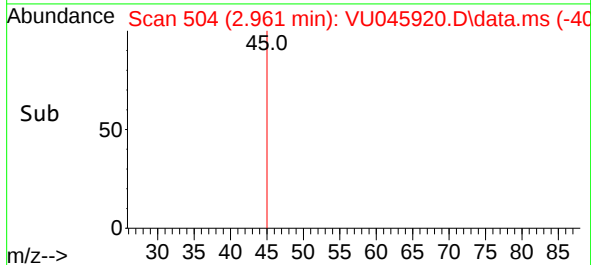
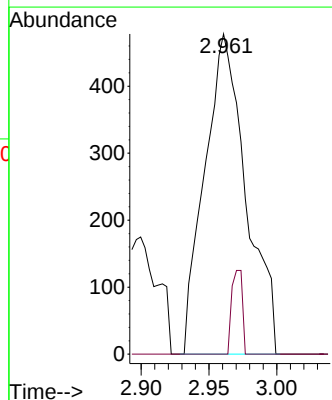
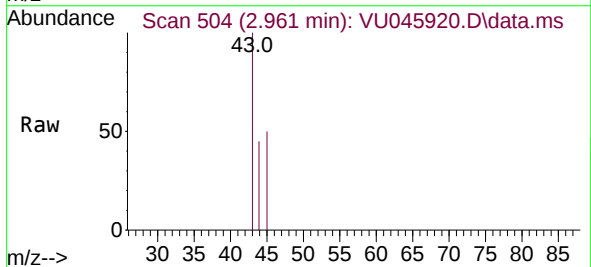
Instrument :
MSVOA_U
ClientSampleId :

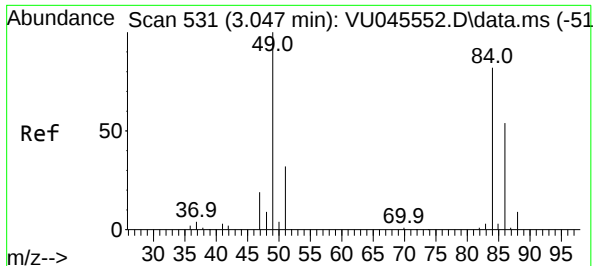
Tgt Ion: 43 Resp: 17158
Ion Ratio Lower Upper
43 100
58 31.6 26.2 39.2



#18
Methyl Acetate
Concen: 0.335 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.013 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

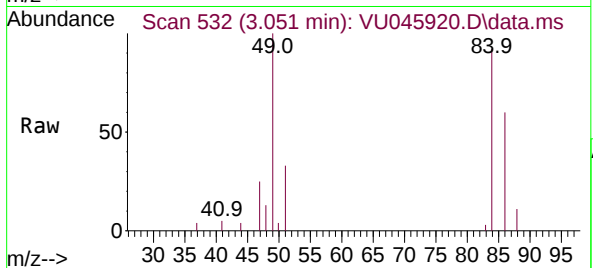
Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
74 6.7 20.2 30.2#



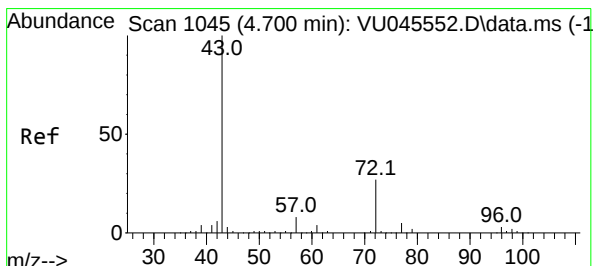
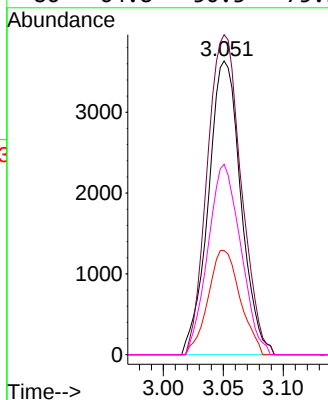
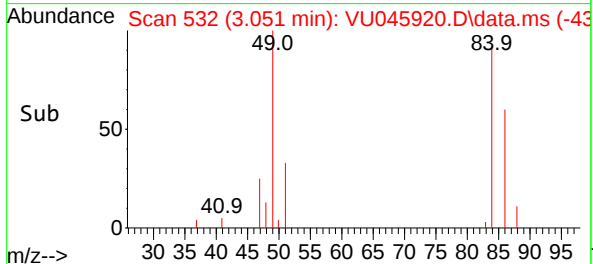


#20
Methylene Chloride
Concen: 4.427 ug/l
RT: 3.051 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

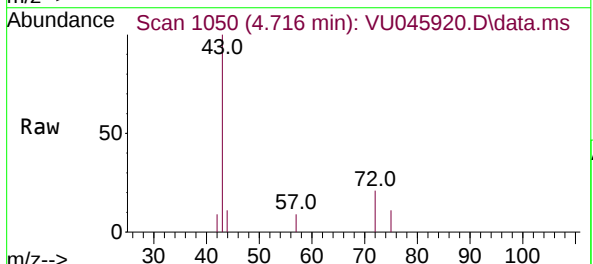
Instrument :
MSVOA_U
ClientSampleId :



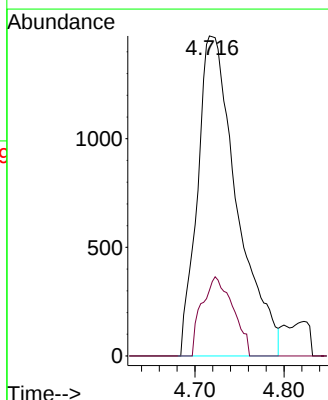
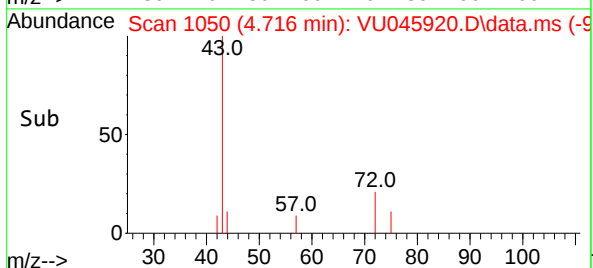
Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.9	96.4	144.6
51	35.4	30.5	45.7
86	64.8	50.3	75.5

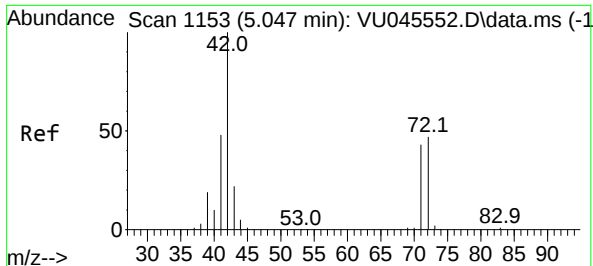


#25
2-Butanone
Concen: 3.663 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.016 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32



Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.5	22.0	33.0#





#29

Tetrahydrofuran

Concen: 0.320 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.016 min

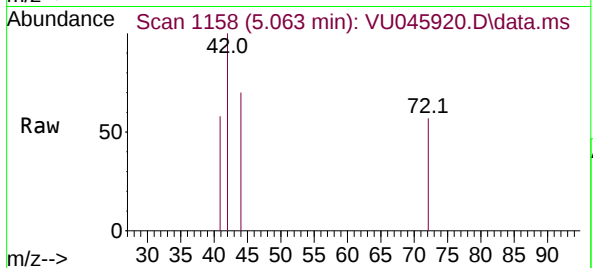
Lab File: VU045920.D

Acq: 22 Nov 2021 17:32

Instrument :

MSVOA_U

ClientSampleId :



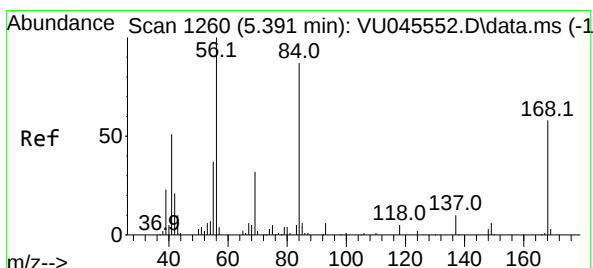
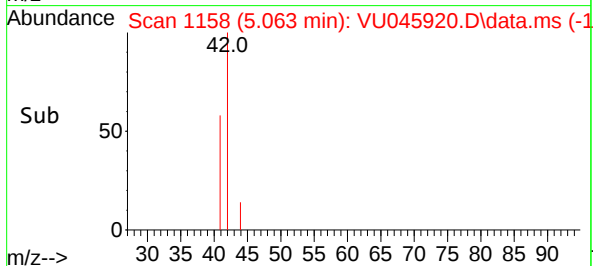
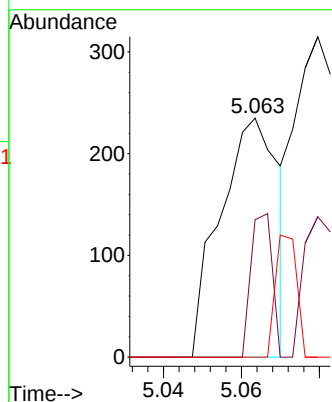
Tgt Ion: 42 Resp: 242

Ion Ratio Lower Upper

42 100

72 21.9 38.2 57.4#

71 19.0 35.4 53.2#



#31

Cyclohexane

Concen: 0.946 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.016 min

Lab File: VU045920.D

Acq: 22 Nov 2021 17:32

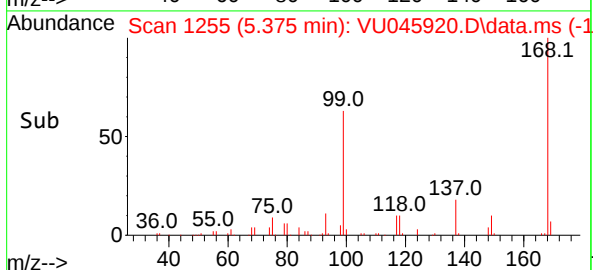
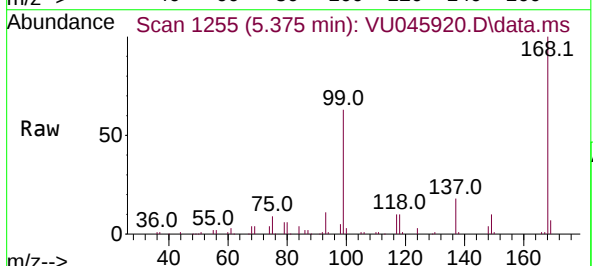
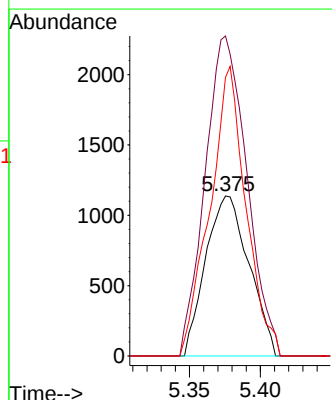
Tgt Ion: 56 Resp: 2418

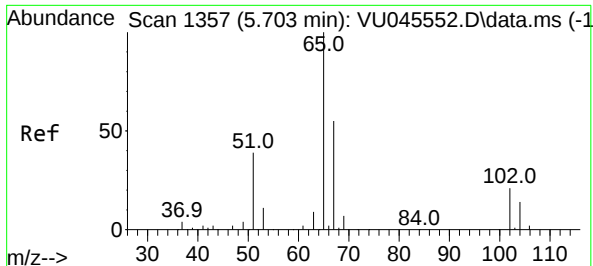
Ion Ratio Lower Upper

56 100

69 199.9 26.4 39.6#

84 174.0 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 53.033 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045920.D

Acq: 22 Nov 2021 17:32

Instrument :

MSVOA_U

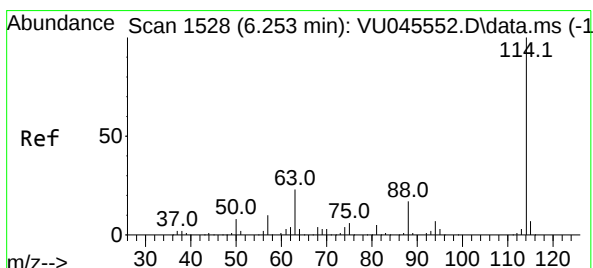
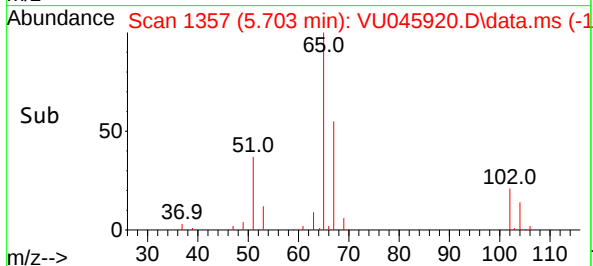
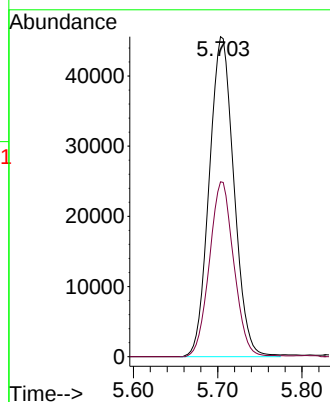
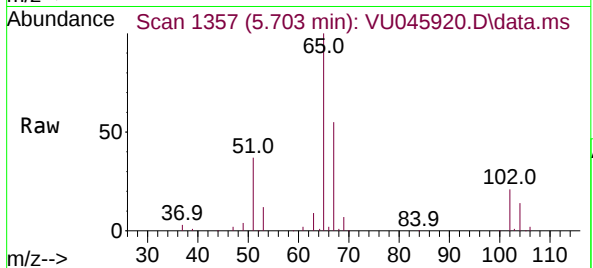
ClientSampleId :

Tgt Ion: 65 Resp: 92861

Ion Ratio Lower Upper

65 100

67 54.1 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: VU045920.D

Acq: 22 Nov 2021 17:32

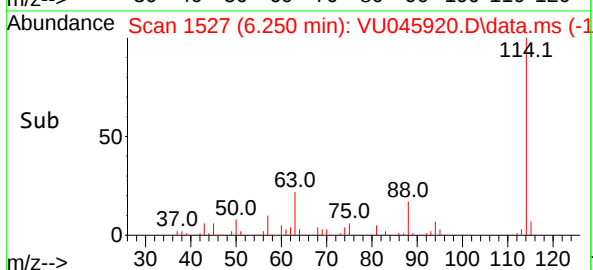
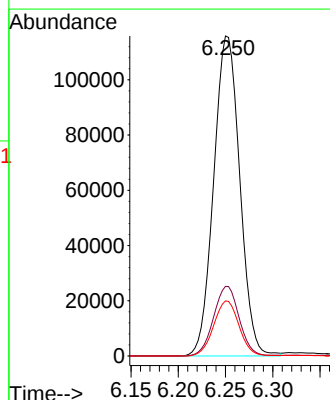
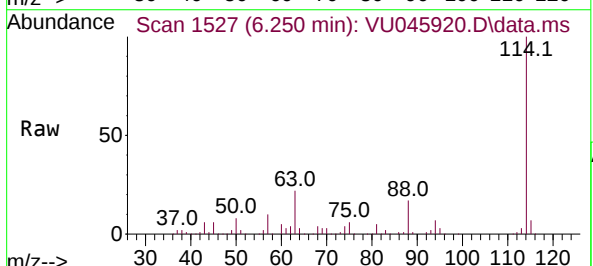
Tgt Ion: 114 Resp: 222462

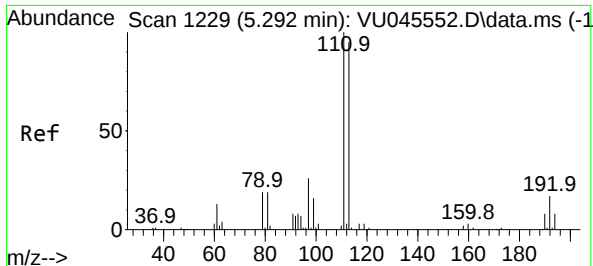
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.6

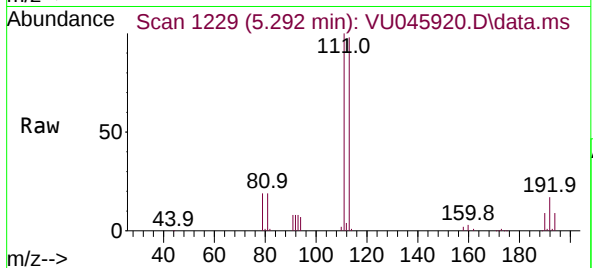
88 17.2 0.0 33.8



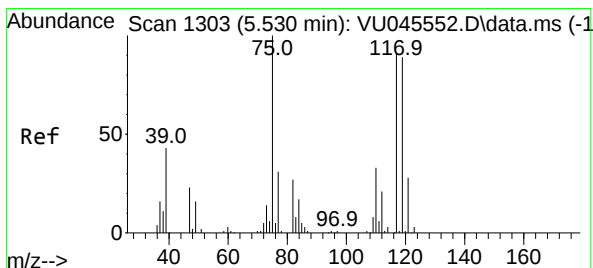
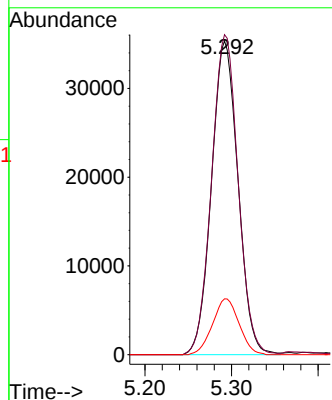
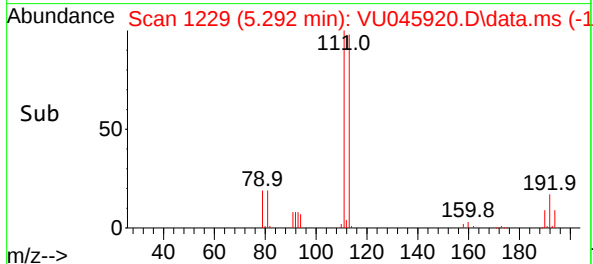


#35
Dibromofluoromethane
Concen: 50.539 ug/l
RT: 5.292 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

Instrument :
MSVOA_U
ClientSampleId :

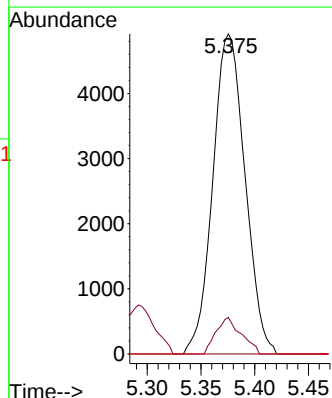
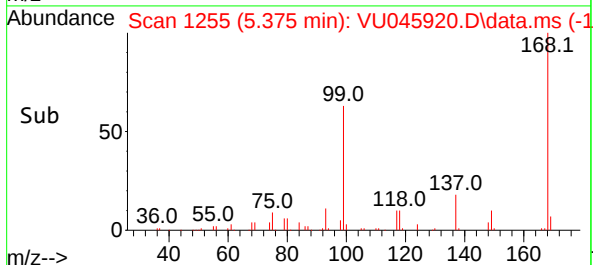
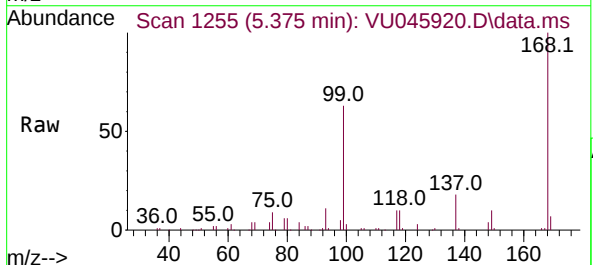


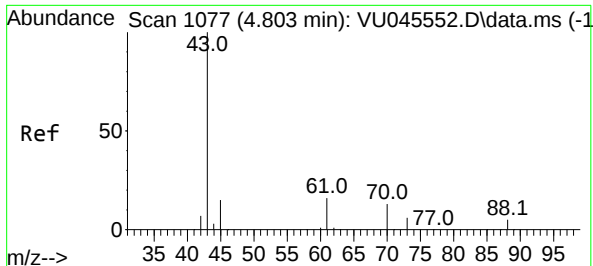
Tgt Ion:113 Resp: 75064
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 17.9 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.719 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

Tgt Ion: 75 Resp: 10237
Ion Ratio Lower Upper
75 100
110 8.9 16.7 50.0#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.817 ug/l

RT: 4.716 min Scan# 1

Delta R.T. -0.087 min

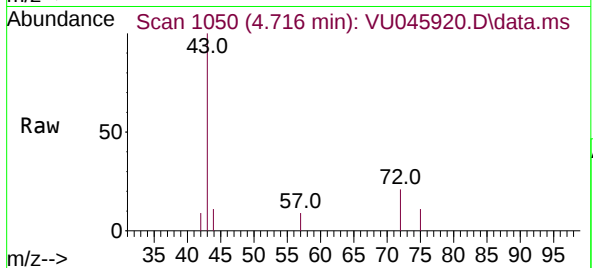
Lab File: VU045920.D

Acq: 22 Nov 2021 17:32

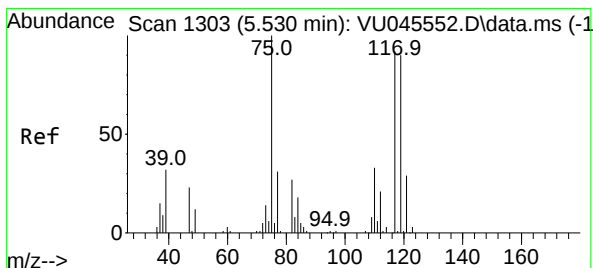
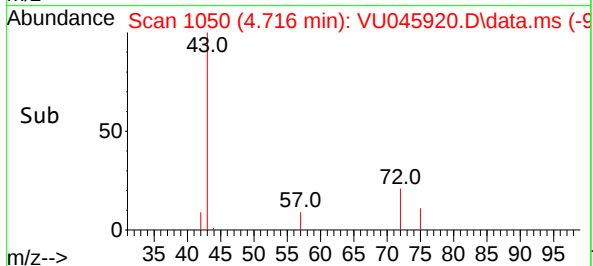
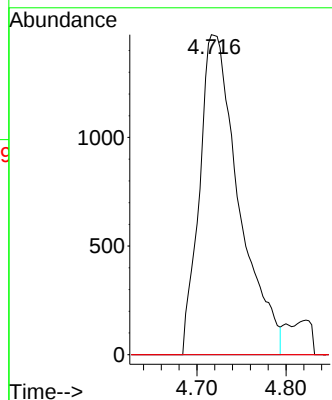
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	43	Resp:	4528
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	9.1	13.7#



#38

Carbon Tetrachloride

Concen: 5.606 ug/l

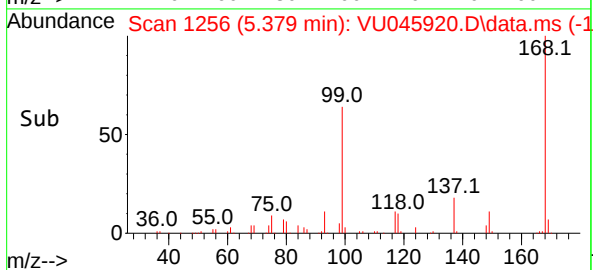
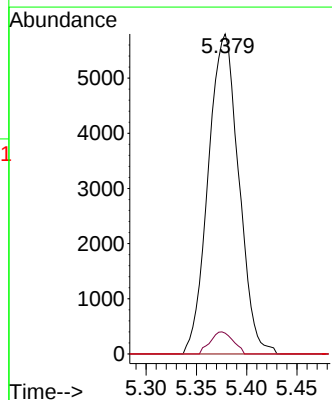
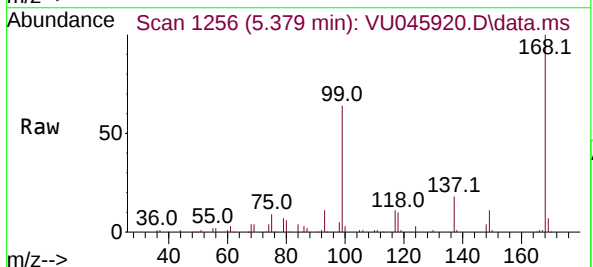
RT: 5.379 min Scan# 1256

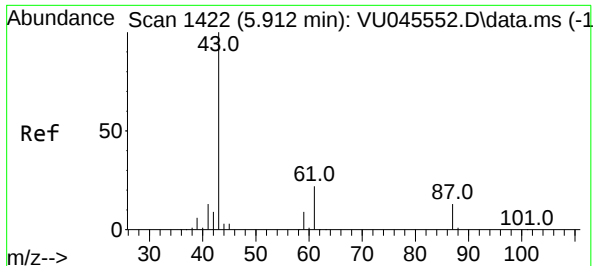
Delta R.T. -0.151 min

Lab File: VU045920.D

Acq: 22 Nov 2021 17:32

Tgt Ion:	117	Resp:	12259
Ion	Ratio	Lower	Upper
117	100		
119	6.5	77.4	116.0#
121	0.0	24.8	37.2#





#43

Isopropyl Acetate

Concen: 3.565 ug/l

RT: 5.912 min Scan# 1422

Delta R.T. 0.000 min

Lab File: VU045920.D

Acq: 22 Nov 2021 17:32

Instrument :

MSVOA_U

ClientSampleId :

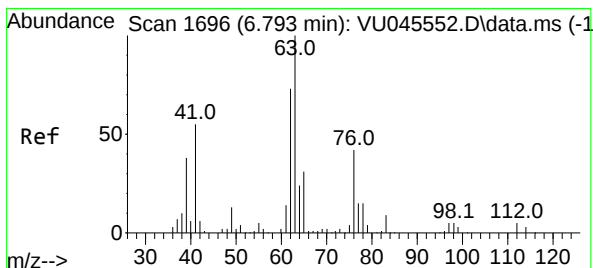
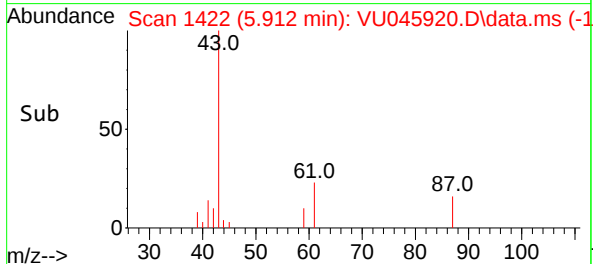
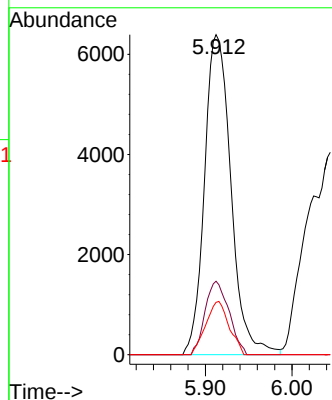
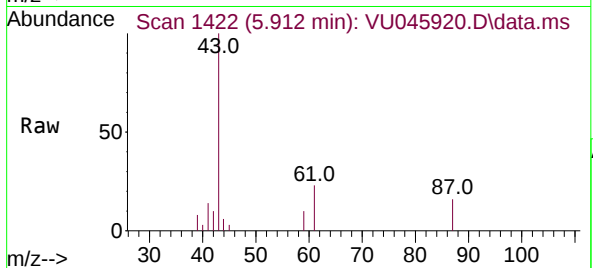
Tgt Ion: 43 Resp: 13586

Ion Ratio Lower Upper

43 100

61 20.7 16.9 25.3

87 14.6 11.0 16.4



#45

1,2-Dichloropropane

Concen: 0.673 ug/l

RT: 7.038 min Scan# 1772

Delta R.T. 0.244 min

Lab File: VU045920.D

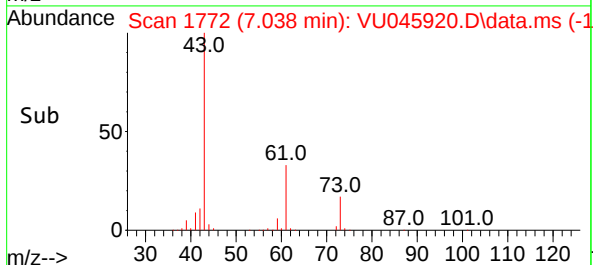
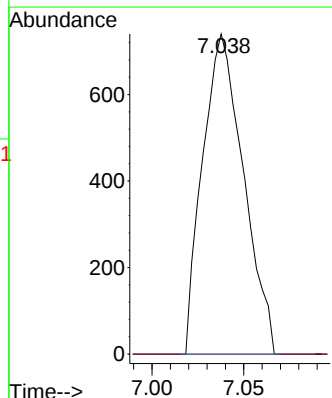
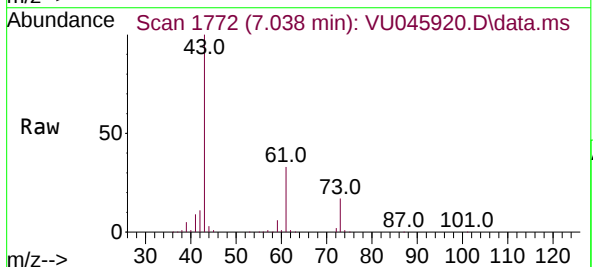
Acq: 22 Nov 2021 17:32

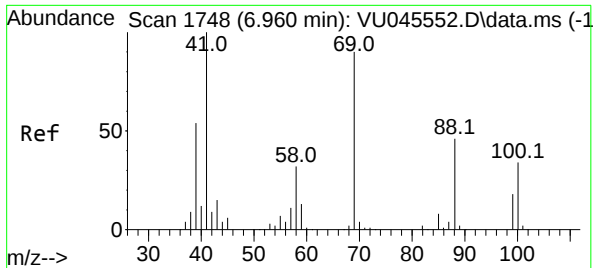
Tgt Ion: 63 Resp: 1144

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#

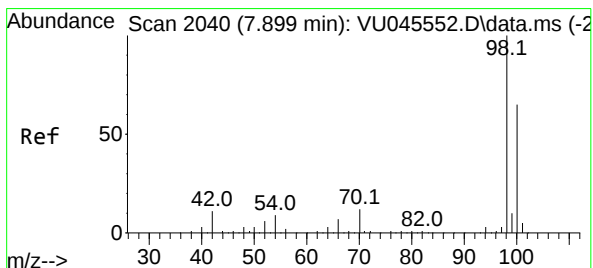
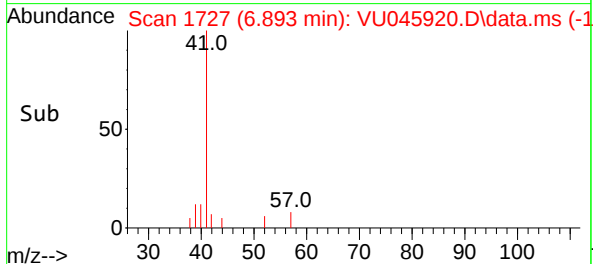
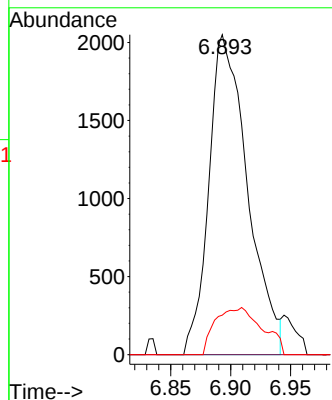
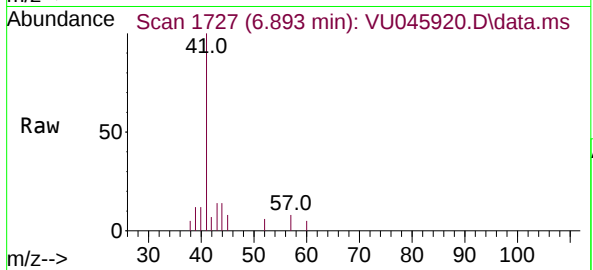




#48
Methyl methacrylate
Concen: 2.623 ug/l
RT: 6.893 min Scan# 1727
Delta R.T. -0.067 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

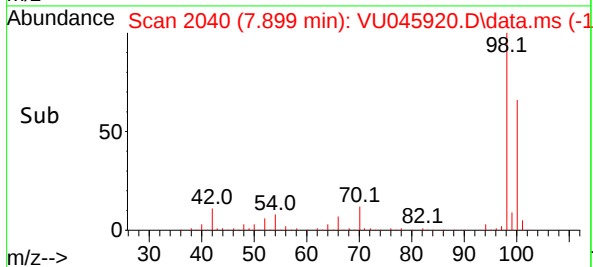
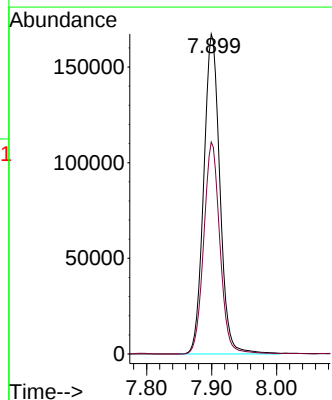
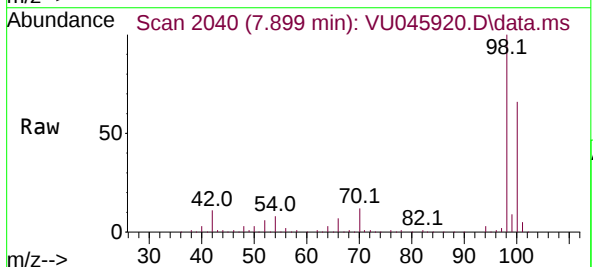
Instrument :
MSVOA_U
ClientSampleId :

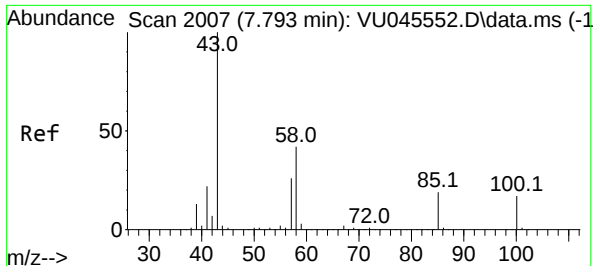
Tgt Ion: 41 Resp: 4602
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.2#
39 0.0 43.9 65.9#



#50
Toluene-d8
Concen: 52.578 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

Tgt Ion: 98 Resp: 290387
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.673 ug/l

RT: 7.790 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU045920.D

Acq: 22 Nov 2021 17:32

Instrument :

MSVOA_U

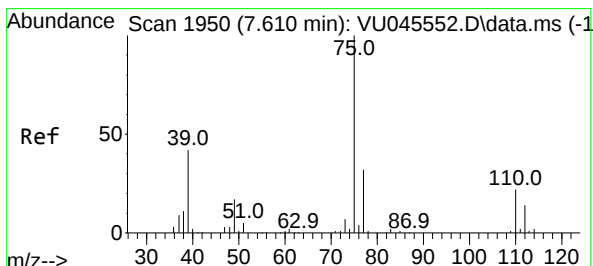
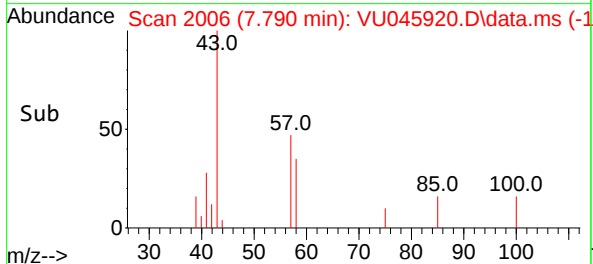
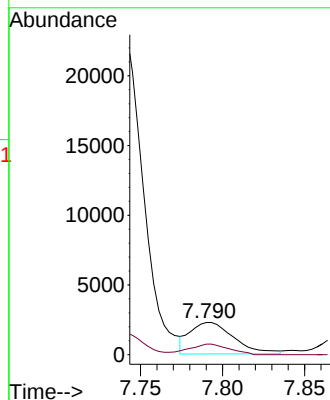
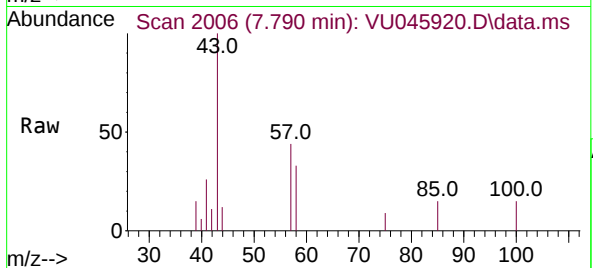
ClientSampleId :

Tgt Ion: 43 Resp: 4206

Ion Ratio Lower Upper

43 100

58 30.4 33.8 50.8#



#54

cis-1,3-Dichloropropene

Concen: 7.978 ug/l

RT: 7.739 min Scan# 1990

Delta R.T. 0.129 min

Lab File: VU045920.D

Acq: 22 Nov 2021 17:32

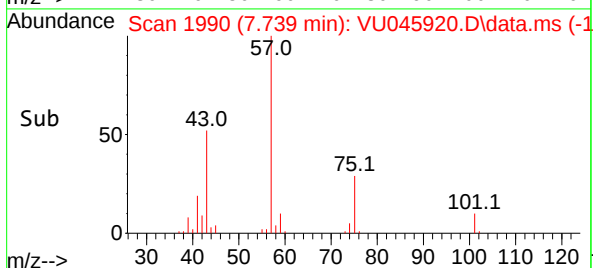
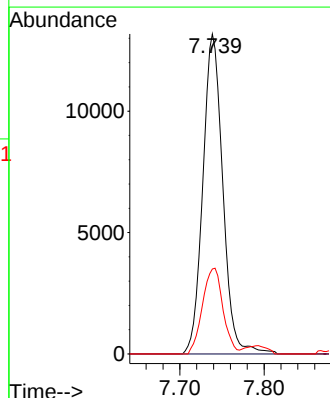
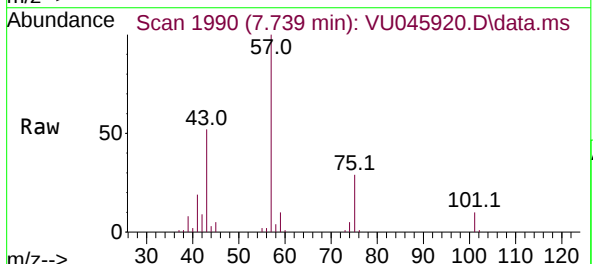
Tgt Ion: 75 Resp: 21757

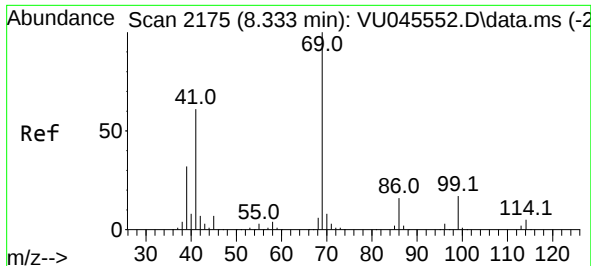
Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 26.5 37.1 55.7#

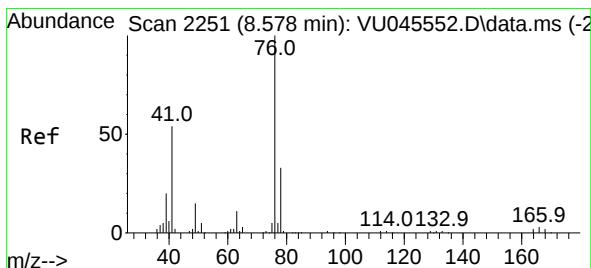
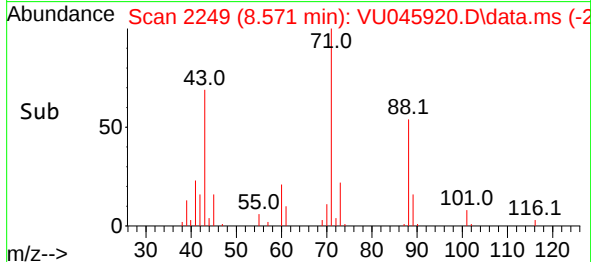
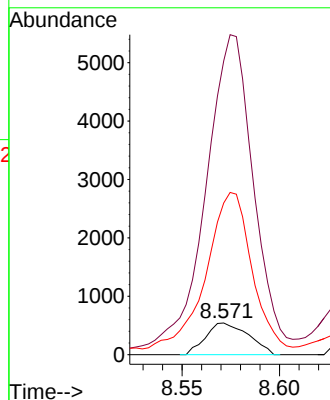
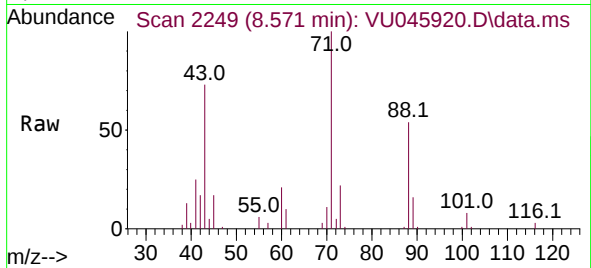




#56
Ethyl methacrylate
Concen: 2.694 ug/l
RT: 8.571 min Scan# 2175
Delta R.T. 0.238 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

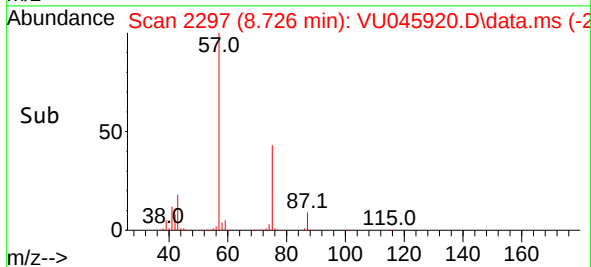
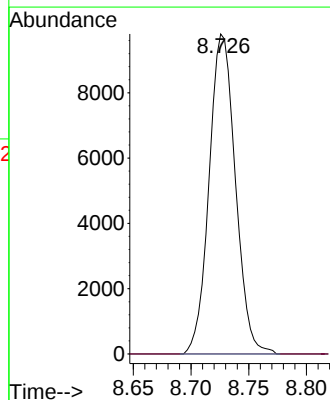
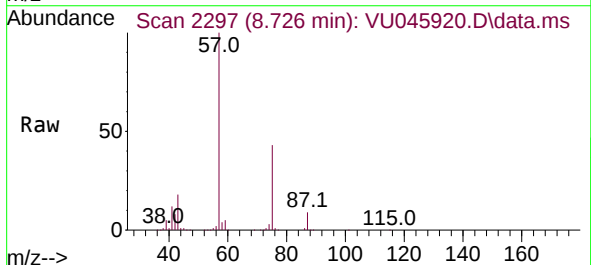
Instrument :
MSVOA_U
ClientSampleId :

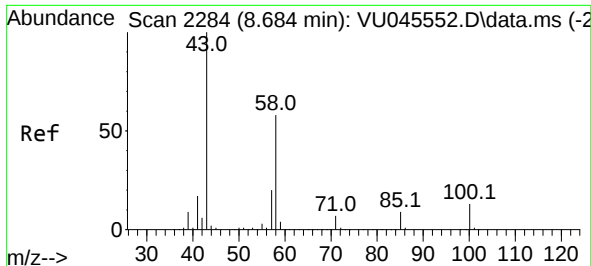
Tgt Ion: 69 Resp: 828
Ion Ratio Lower Upper
69 100
41 1085.9 51.0 76.4#
39 584.4 26.6 39.8#



#57
1,3-Dichloropropane
Concen: 5.295 ug/l
RT: 8.726 min Scan# 2297
Delta R.T. 0.148 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

Tgt Ion: 76 Resp: 15540
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 10.658 ug/l

RT: 8.632 min Scan# 21

Delta R.T. -0.052 min

Lab File: VU045920.D

Acq: 22 Nov 2021 17:32

Instrument :

MSVOA_U

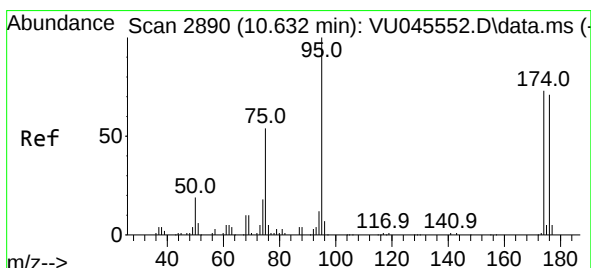
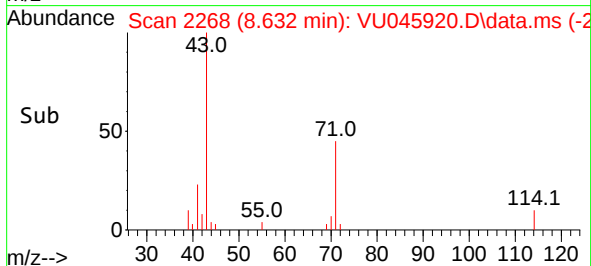
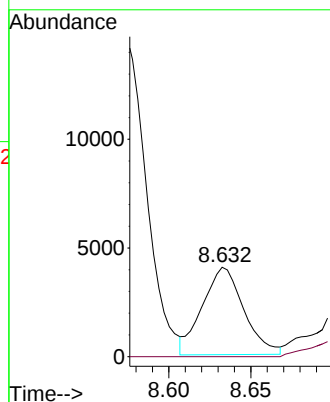
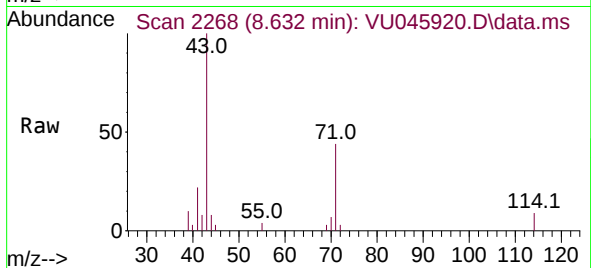
ClientSampleId :

Tgt Ion: 43 Resp: 7045

Ion Ratio Lower Upper

43 100

58 0.0 29.5 88.6#



#62

4-Bromofluorobenzene

Concen: 50.925 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. 0.003 min

Lab File: VU045920.D

Acq: 22 Nov 2021 17:32

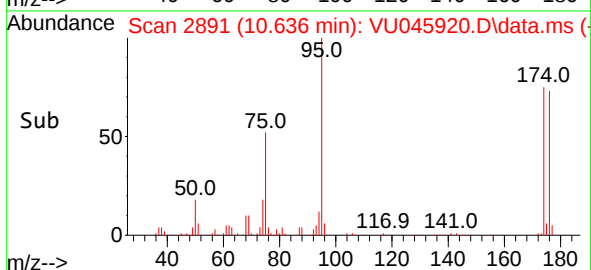
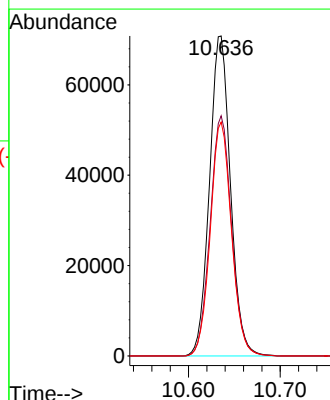
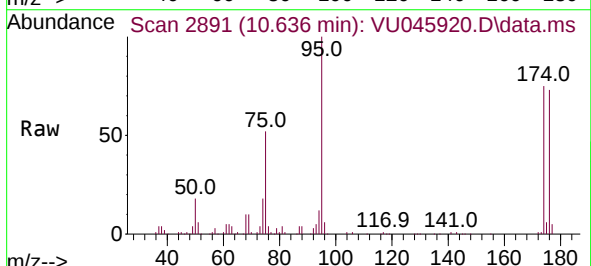
Tgt Ion: 95 Resp: 112782

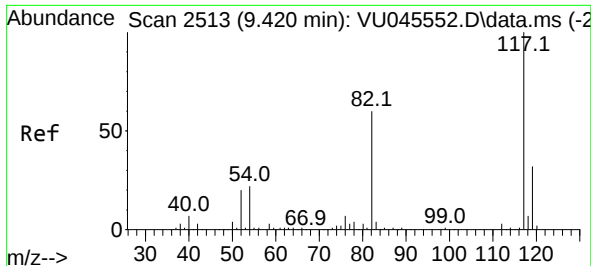
Ion Ratio Lower Upper

95 100

174 76.7 0.0 141.8

176 73.6 0.0 138.2

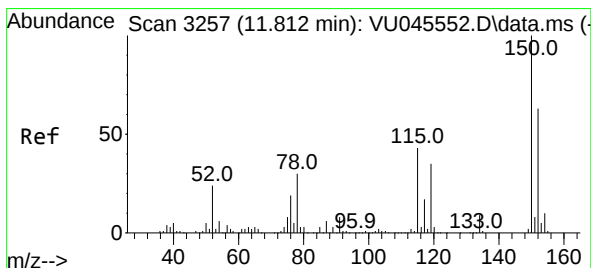
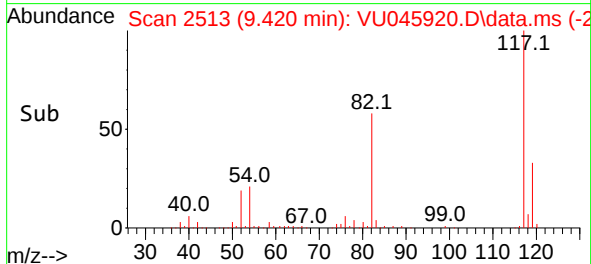
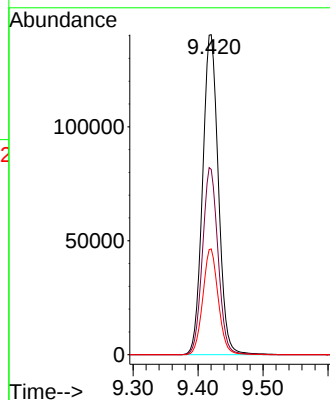
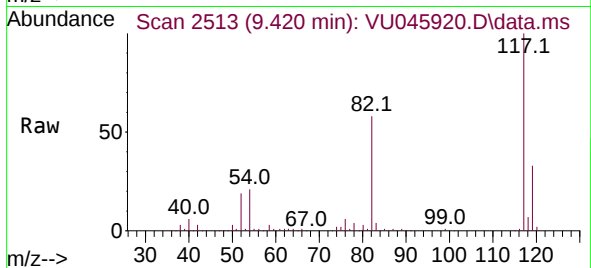




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

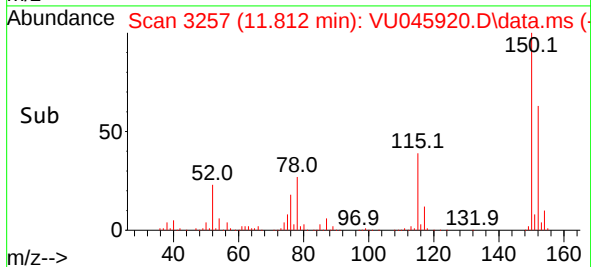
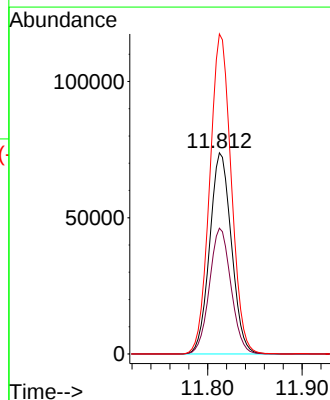
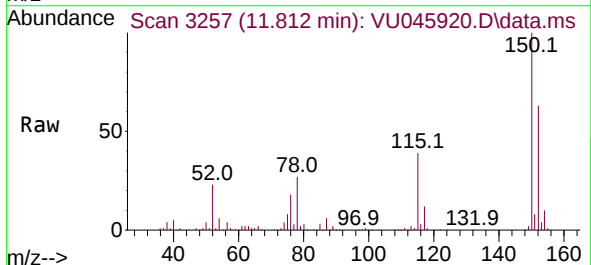
Instrument :
MSVOA_U
ClientSampleId :

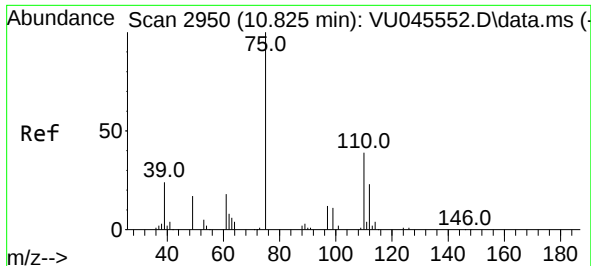
Tgt Ion:117 Resp: 237441
Ion Ratio Lower Upper
117 100
82 57.9 47.8 71.8
119 33.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

Tgt Ion:152 Resp: 118014
Ion Ratio Lower Upper
152 100
115 61.8 42.7 128.1
150 157.3 0.0 346.8

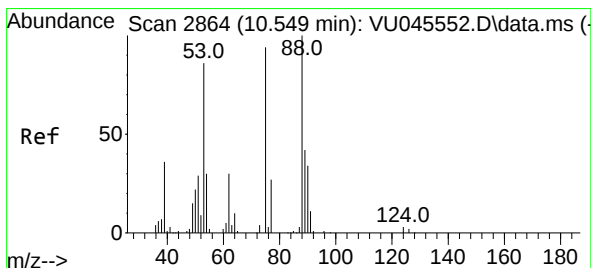
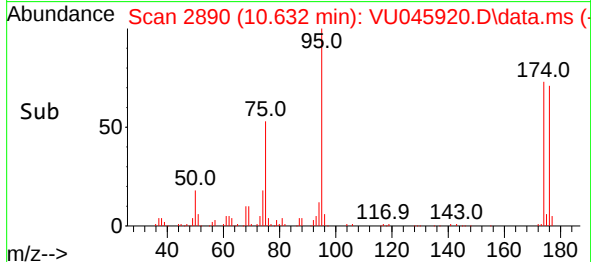
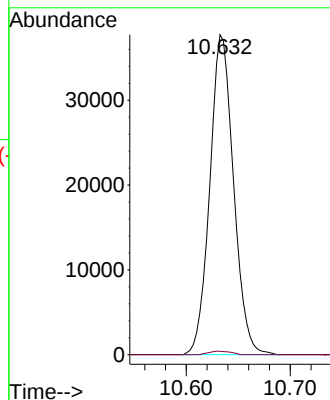
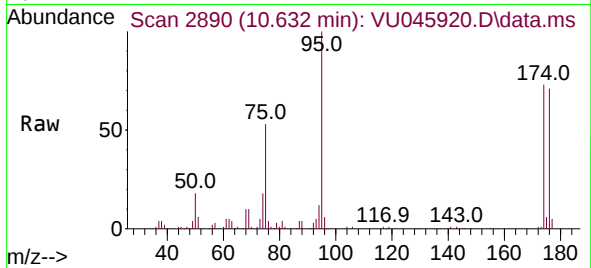




#76
1,2,3-Trichloropropane
Concen: 16.717 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.193 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

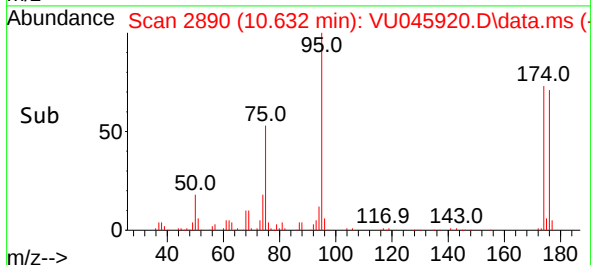
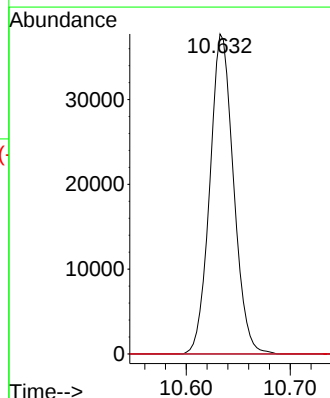
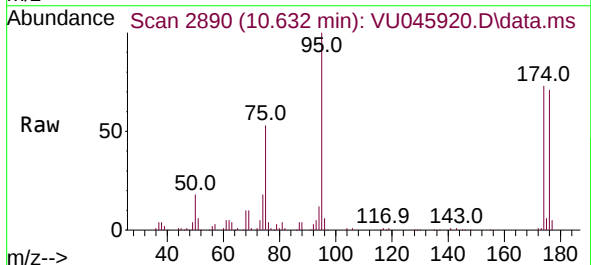
Instrument :
MSVOA_U
ClientSampleId :

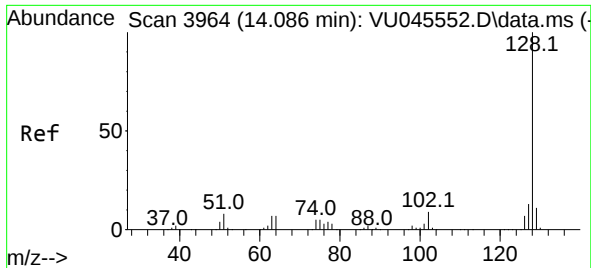
Tgt Ion: 75 Resp: 59828
Ion Ratio Lower Upper
75 100
77 1.0 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.479 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.083 min
Lab File: VU045920.D
Acq: 22 Nov 2021 17:32

Tgt Ion: 75 Resp: 59828
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#





#95

Naphthalene

Concen: 1.053 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.009 min

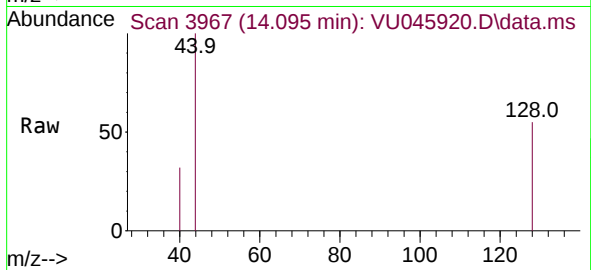
Lab File: VU045920.D

Acq: 22 Nov 2021 17:32

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 239

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

