

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045918.D
 Acq On : 22 Nov 2021 16:47
 Operator : SY/MD
 Sample : PB140933ZHE#03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 05:16:35 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

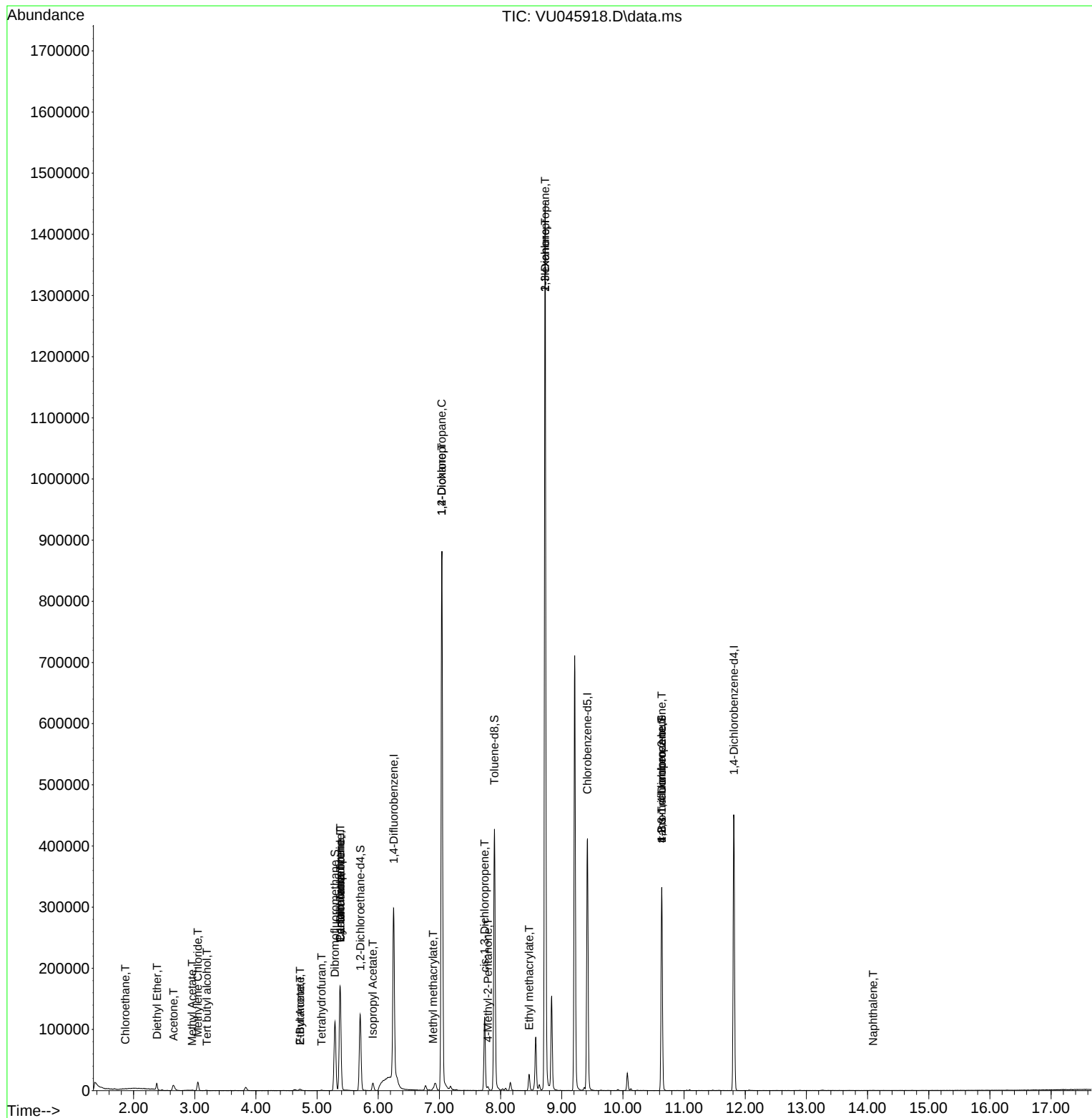
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	115114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	220428	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	230956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	115171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	91924	53.321	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.640%	
35) Dibromofluoromethane	5.292	113	73445	49.906	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.820%	
50) Toluene-d8	7.899	98	288569	52.731	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.460%	
62) 4-Bromofluorobenzene	10.635	95	112511	51.271	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.540%	
Target Compounds						Qvalue
6) Chloroethane	1.867	64	773	0.712	ug/l #	41
8) Diethyl Ether	2.382	74	3644	4.185	ug/l	98
11) Tert butyl alcohol	3.198	59	447	1.310	ug/l #	72
16) Acetone	2.652	43	16307	18.582	ug/l	99
18) Methyl Acetate	2.954	43	1003	0.336	ug/l #	50
20) Methylene Chloride	3.051	84	7171	4.703	ug/l	94
25) 2-Butanone	4.723	43	4339	3.565	ug/l	92
29) Tetrahydrofuran	5.073	42	506	0.680	ug/l #	86
31) Cyclohexane	5.378	56	2402	0.955	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	10375	4.827	ug/l #	48
37) Ethyl Acetate	4.723	43	4339	1.757	ug/l #	67
38) Carbon Tetrachloride	5.378	117	12651	5.838	ug/l #	17
43) Isopropyl Acetate	5.912	43	13536	3.584	ug/l	99
45) 1,2-Dichloropropane	7.038	63	1246	0.740	ug/l #	43
48) Methyl methacrylate	6.896	41	4755	2.736	ug/l #	13
49) 1,4-Dioxane	7.038	88	121	2.707	ug/l #	1
51) 4-Methyl-2-Pentanone	7.793	43	4449	1.786	ug/l #	85
54) cis-1,3-Dichloropropene	7.738	75	22178	8.207	ug/l #	63
56) Ethyl methacrylate	8.465	69	87	2.453	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	15595	5.363	ug/l #	42
59) 2-Hexanone	8.729	43	189841	92.476	ug/l #	49
76) 1,2,3-Trichloropropane	10.635	75	58278	16.686	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	58278	54.383	ug/l #	12
95) Naphthalene	14.092	128	226	1.053	ug/l #	69

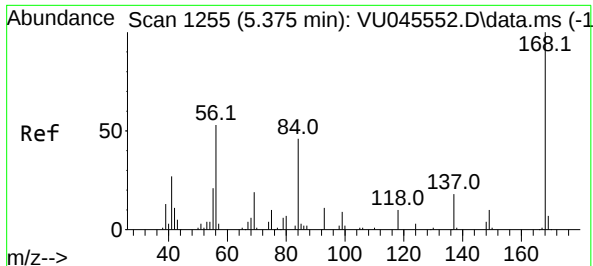
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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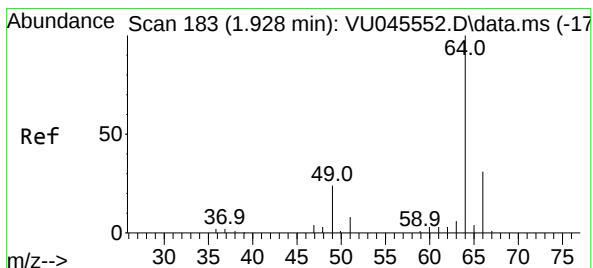
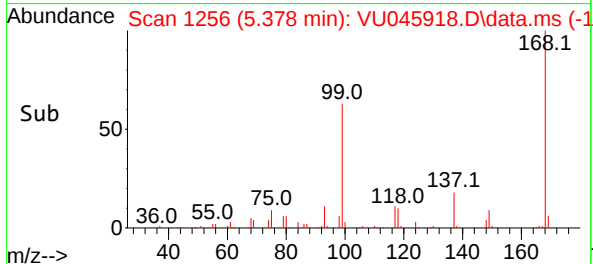
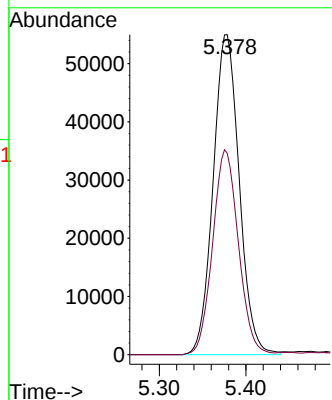
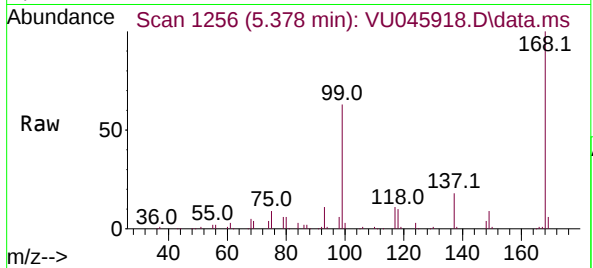




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045918.D
Acq: 22 Nov 2021 16:47

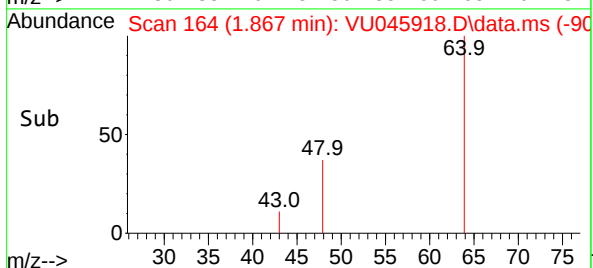
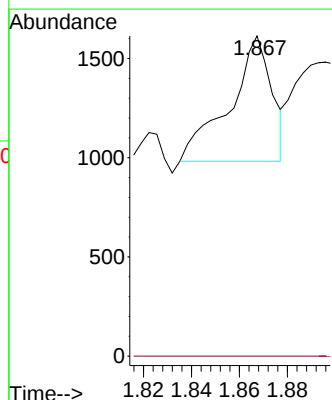
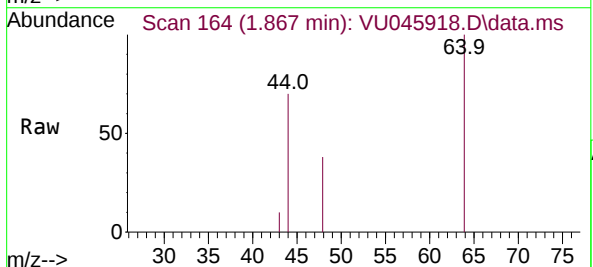
Instrument :
MSVOA_U
ClientSampleId :

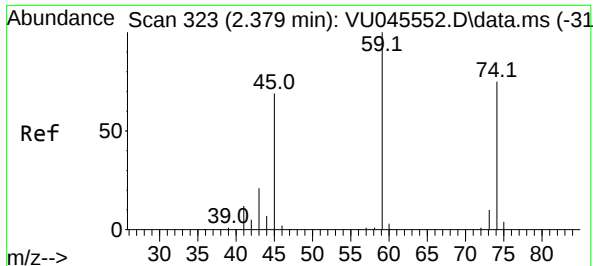
Tgt Ion:168 Resp: 115114
Ion Ratio Lower Upper
168 100
99 62.9 51.0 76.6



#6
Chloroethane
Concen: 0.712 ug/l
RT: 1.867 min Scan# 164
Delta R.T. -0.061 min
Lab File: VU045918.D
Acq: 22 Nov 2021 16:47

Tgt Ion: 64 Resp: 773
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#8

Diethyl Ether

Concen: 4.185 ug/l

RT: 2.382 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU045918.D

Acq: 22 Nov 2021 16:47

Instrument :

MSVOA_U

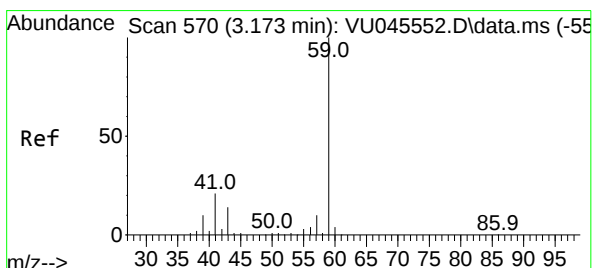
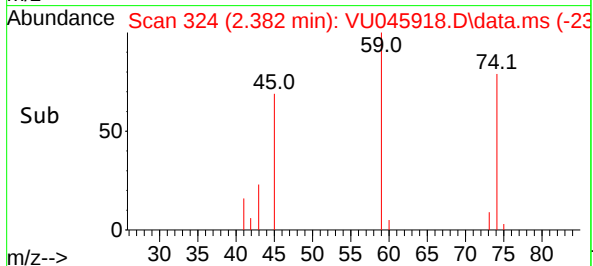
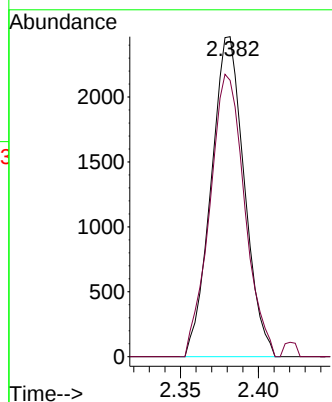
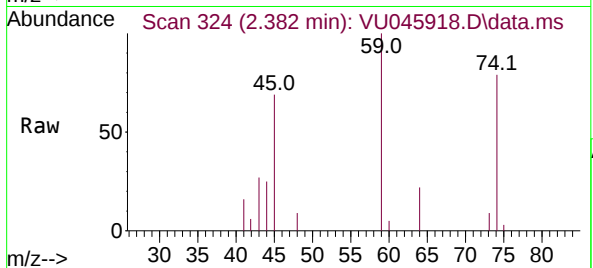
ClientSampleId :

Tgt Ion: 74 Resp: 3644

Ion Ratio Lower Upper

74 100

45 92.7 47.3 141.8



#11

Tert butyl alcohol

Concen: 1.310 ug/l

RT: 3.198 min Scan# 578

Delta R.T. 0.026 min

Lab File: VU045918.D

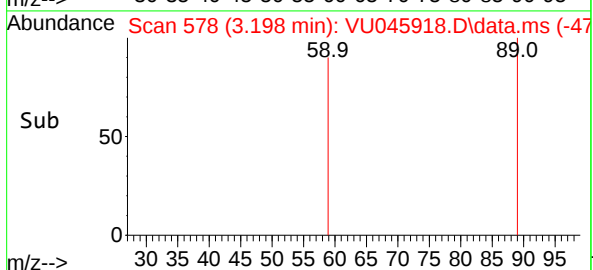
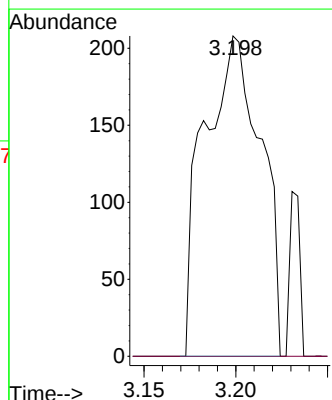
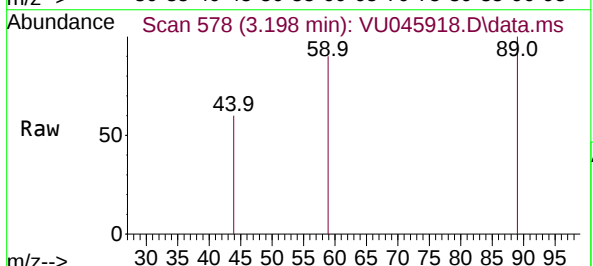
Acq: 22 Nov 2021 16:47

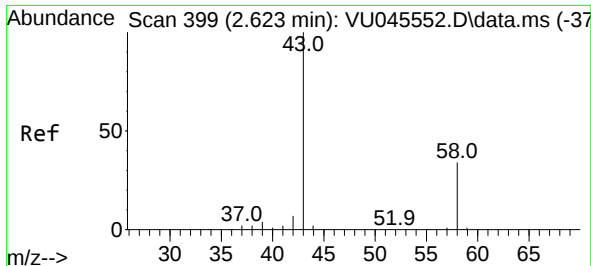
Tgt Ion: 59 Resp: 447

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#16

Acetone

Concen: 18.582 ug/l

RT: 2.652 min Scan# 408

Delta R.T. 0.029 min

Lab File: VU045918.D

Acq: 22 Nov 2021 16:47

Instrument :

MSVOA_U

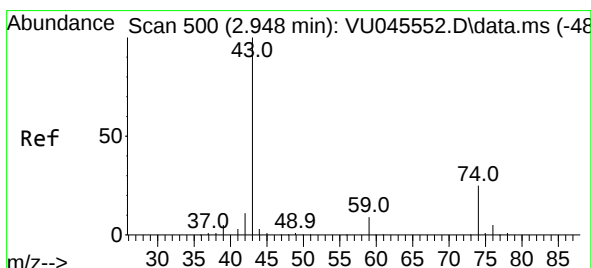
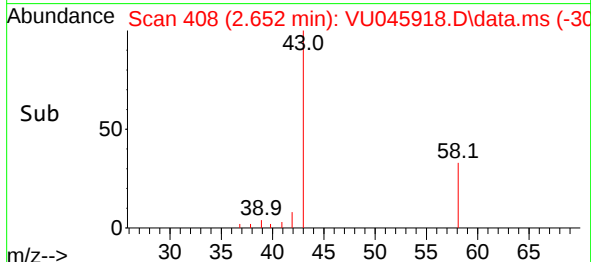
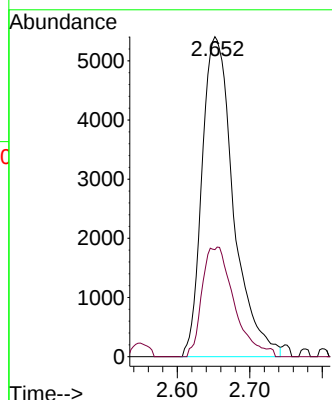
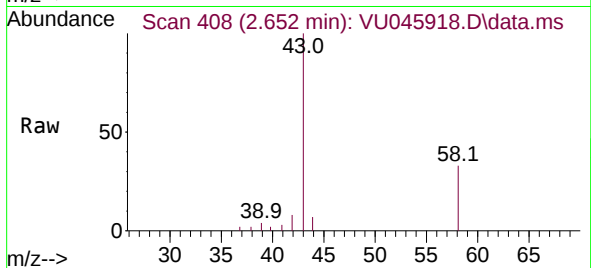
ClientSampleId :

Tgt Ion: 43 Resp: 16307

Ion Ratio Lower Upper

43 100

58 33.4 26.2 39.2



#18

Methyl Acetate

Concen: 0.336 ug/l

RT: 2.954 min Scan# 502

Delta R.T. 0.006 min

Lab File: VU045918.D

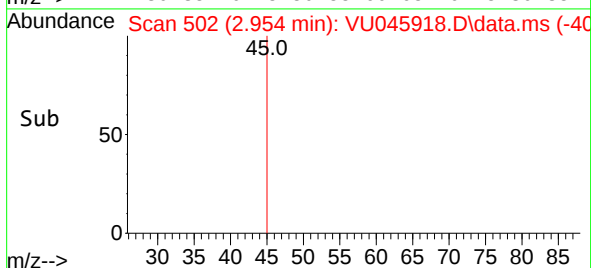
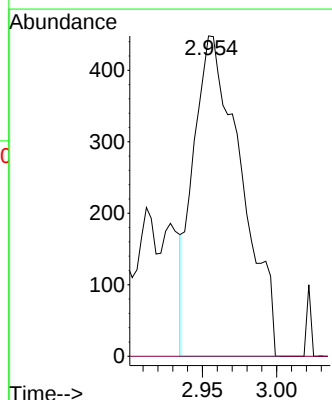
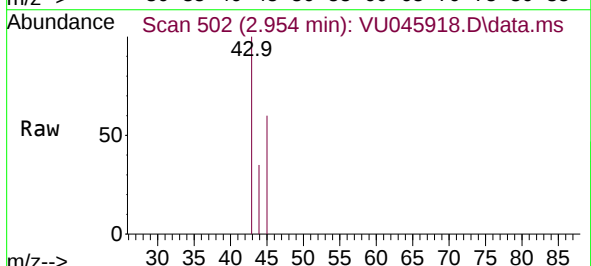
Acq: 22 Nov 2021 16:47

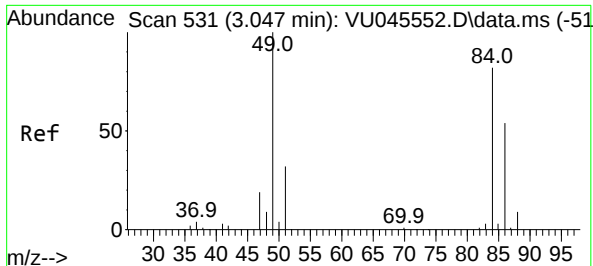
Tgt Ion: 43 Resp: 1003

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#





#20

Methylene Chloride

Concen: 4.703 ug/l

RT: 3.051 min Scan# 51

Delta R.T. 0.003 min

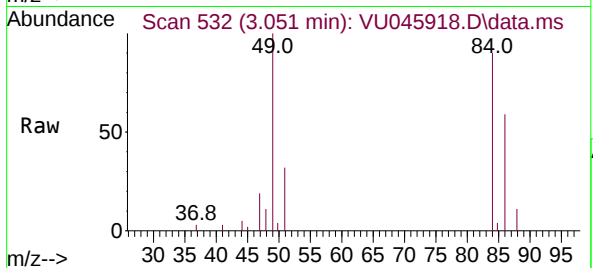
Lab File: VU045918.D

Acq: 22 Nov 2021 16:47

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 84 Resp: 7171

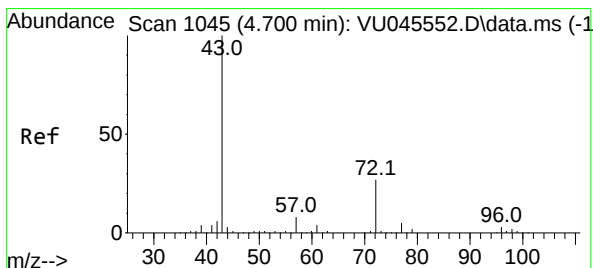
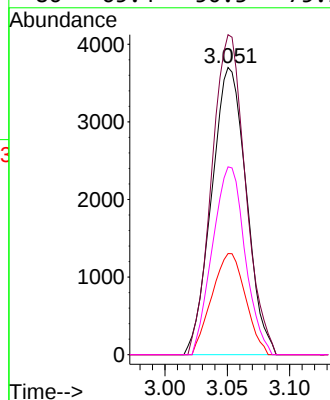
Ion Ratio Lower Upper

84 100

49 111.4 96.4 144.6

51 35.2 30.5 45.7

86 65.4 50.3 75.5



#25

2-Butanone

Concen: 3.565 ug/l

RT: 4.723 min Scan# 1052

Delta R.T. 0.022 min

Lab File: VU045918.D

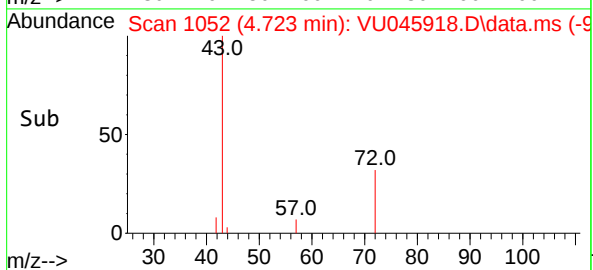
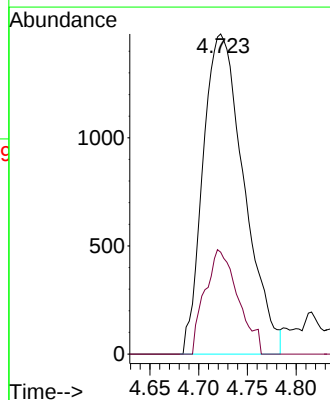
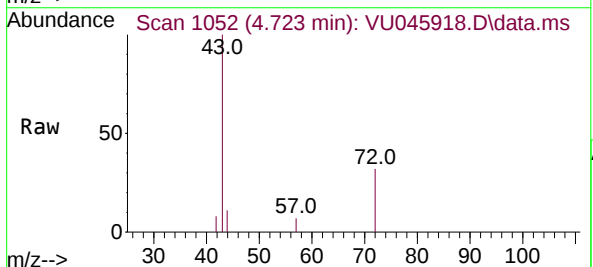
Acq: 22 Nov 2021 16:47

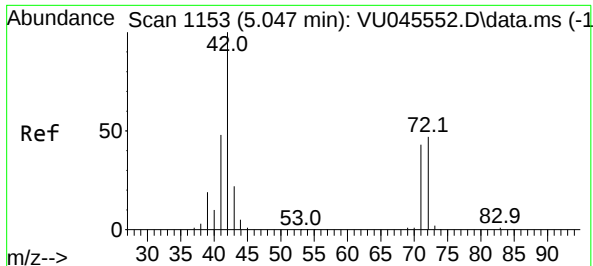
Tgt Ion: 43 Resp: 4339

Ion Ratio Lower Upper

43 100

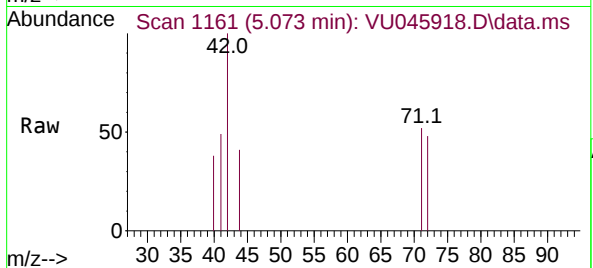
72 31.8 22.0 33.0



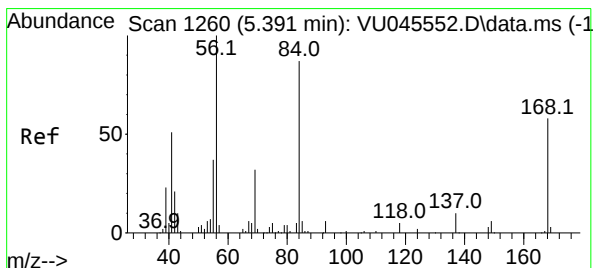
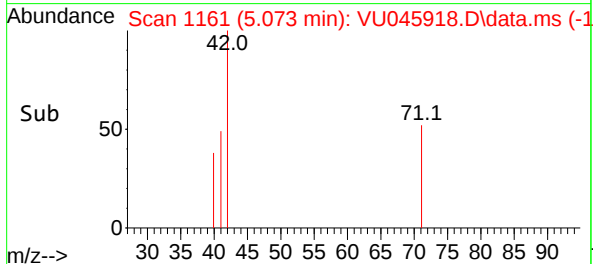
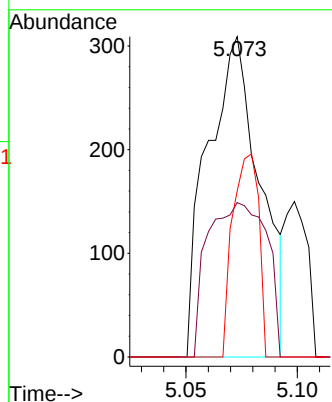


#29
Tetrahydrofuran
Concen: 0.680 ug/l
RT: 5.073 min Scan# 1153
Delta R.T. 0.026 min
Lab File: VU045918.D
Acq: 22 Nov 2021 16:47

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ClientSampleId :

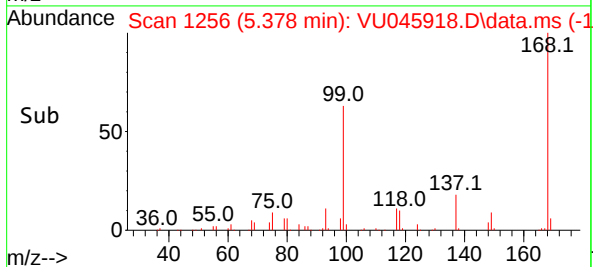
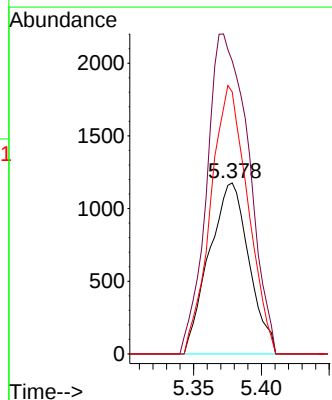
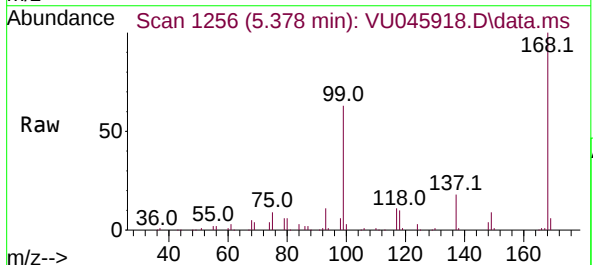


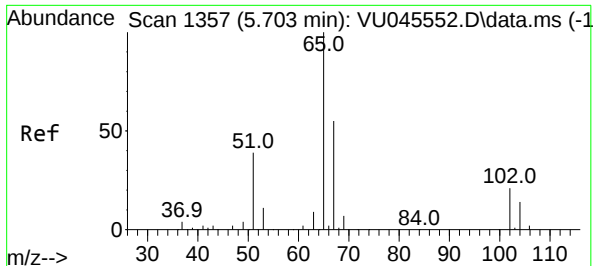
Tgt Ion: 42 Resp: 506
Ion Ratio Lower Upper
42 100
72 54.0 38.2 57.4
71 31.4 35.4 53.2#



#31
Cyclohexane
Concen: 0.955 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.013 min
Lab File: VU045918.D
Acq: 22 Nov 2021 16:47

Tgt Ion: 56 Resp: 2402
Ion Ratio Lower Upper
56 100
69 171.4 26.4 39.6#
84 153.3 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 53.321 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU045918.D

Acq: 22 Nov 2021 16:47

Instrument :

MSVOA_U

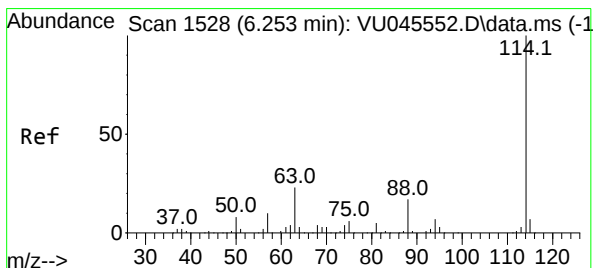
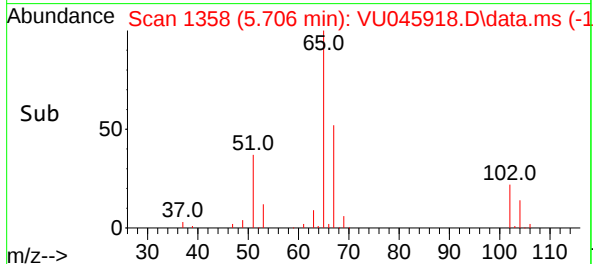
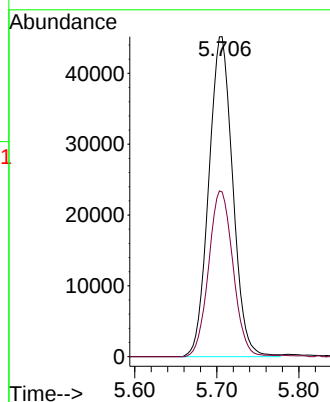
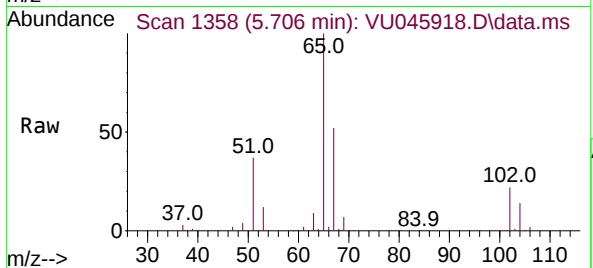
ClientSampleId :

Tgt Ion: 65 Resp: 91924

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU045918.D

Acq: 22 Nov 2021 16:47

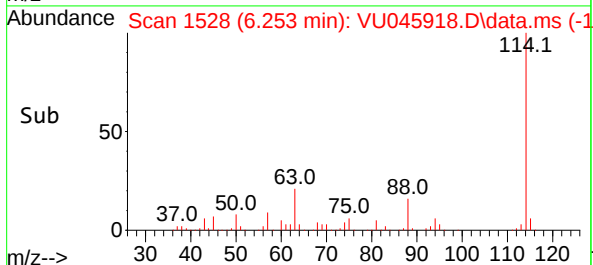
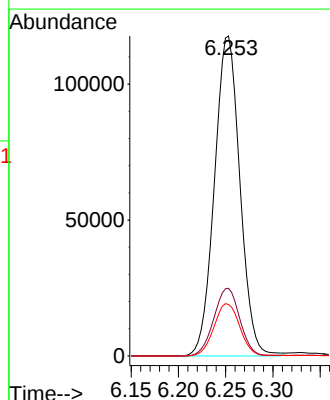
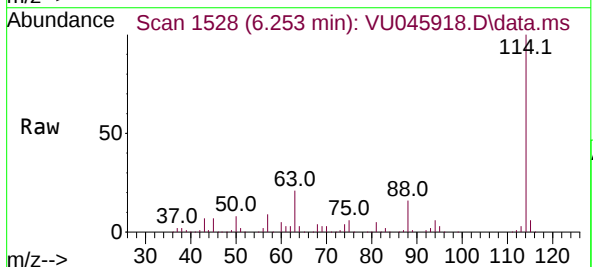
Tgt Ion: 114 Resp: 220428

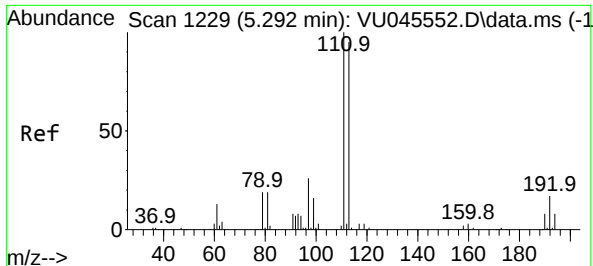
Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.6

88 16.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.906 ug/l

RT: 5.292 min Scan# 11

Delta R.T. -0.000 min

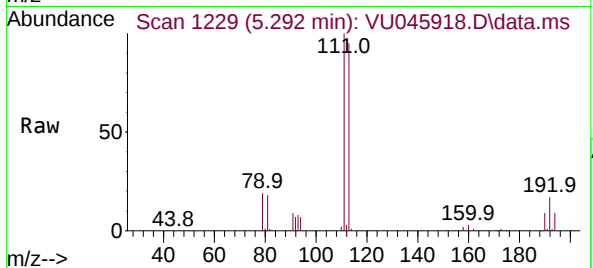
Lab File: VU045918.D

Acq: 22 Nov 2021 16:47

Instrument :

MSVOA_U

ClientSampleId :



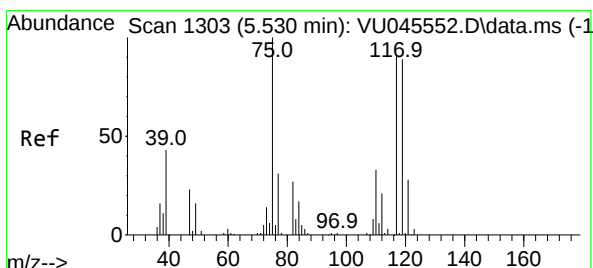
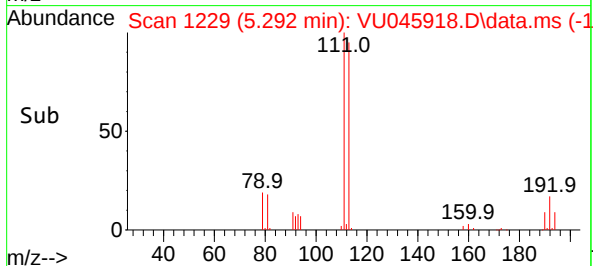
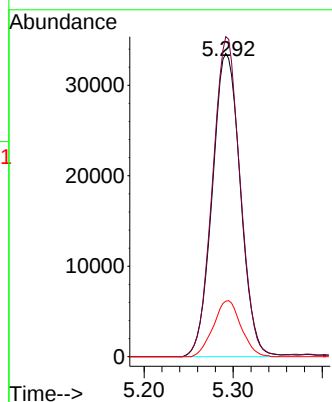
Tgt Ion:113 Resp: 73445

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 18.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.827 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU045918.D

Acq: 22 Nov 2021 16:47

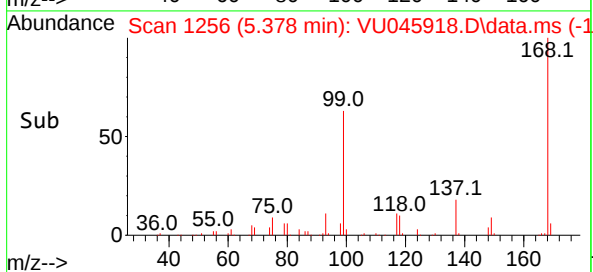
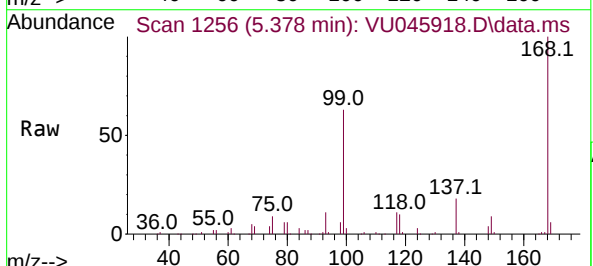
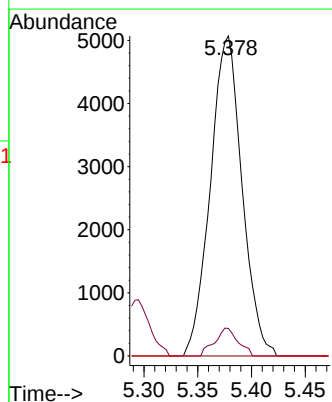
Tgt Ion: 75 Resp: 10375

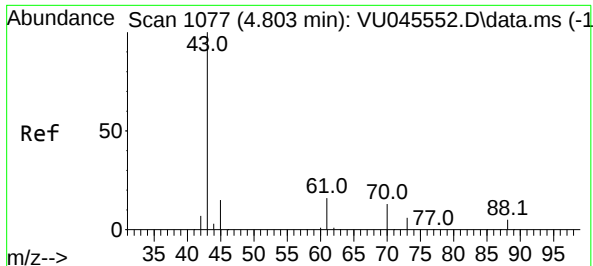
Ion Ratio Lower Upper

75 100

110 6.4 16.7 50.0#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.757 ug/l

RT: 4.723 min Scan# 1052

Delta R.T. -0.080 min

Lab File: VU045918.D

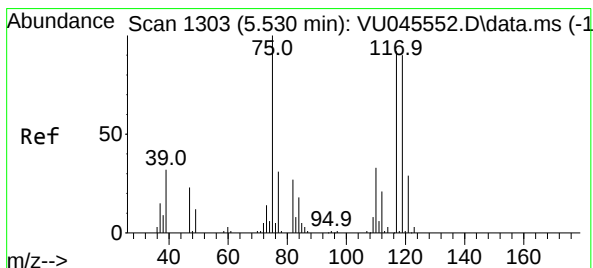
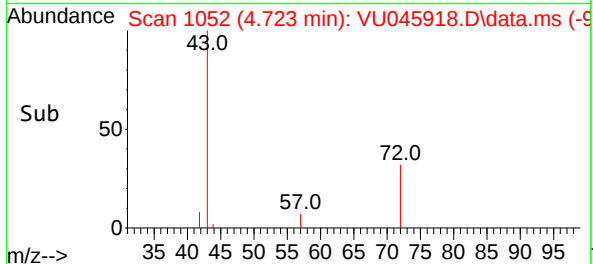
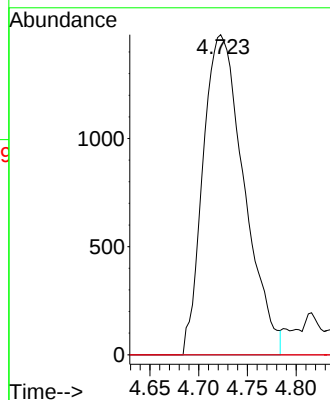
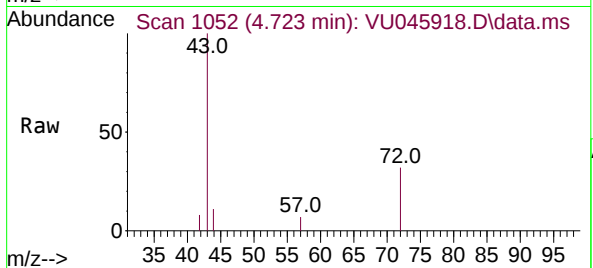
Acq: 22 Nov 2021 16:47

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	43	Resp:	4339
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	9.1	13.7#



#38

Carbon Tetrachloride

Concen: 5.838 ug/l

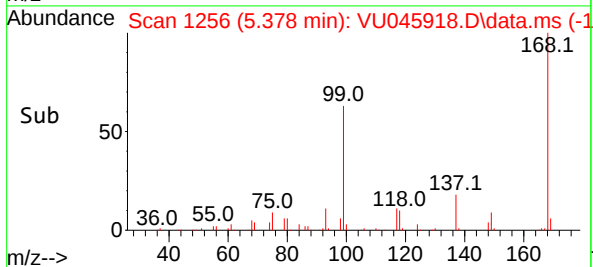
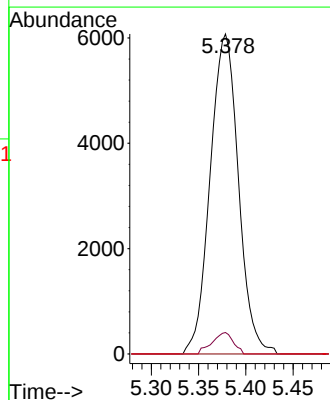
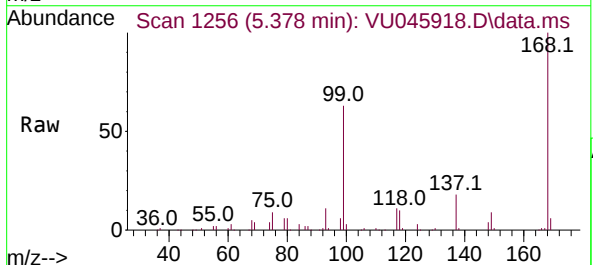
RT: 5.378 min Scan# 1256

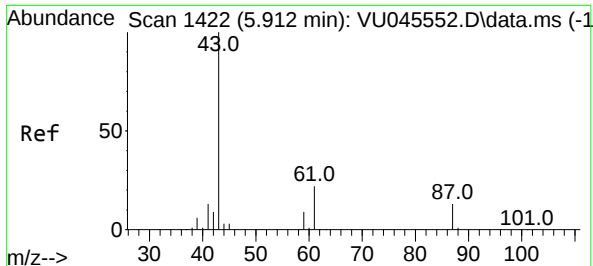
Delta R.T. -0.151 min

Lab File: VU045918.D

Acq: 22 Nov 2021 16:47

Tgt Ion:	117	Resp:	12651
Ion	Ratio	Lower	Upper
117	100		
119	6.7	77.4	116.0#
121	0.0	24.8	37.2#





#43

Isopropyl Acetate

Concen: 3.584 ug/l

RT: 5.912 min Scan# 1422

Delta R.T. -0.000 min

Lab File: VU045918.D

Acq: 22 Nov 2021 16:47

Instrument :

MSVOA_U

ClientSampleId :

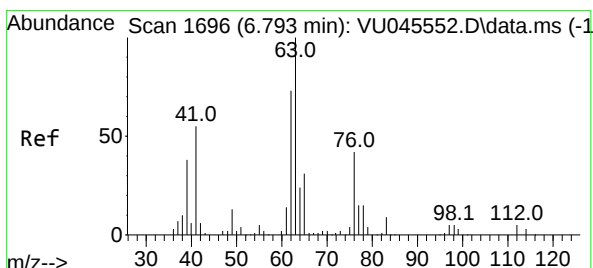
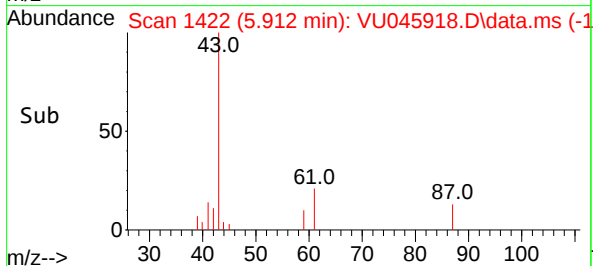
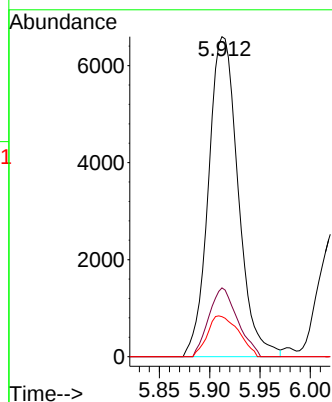
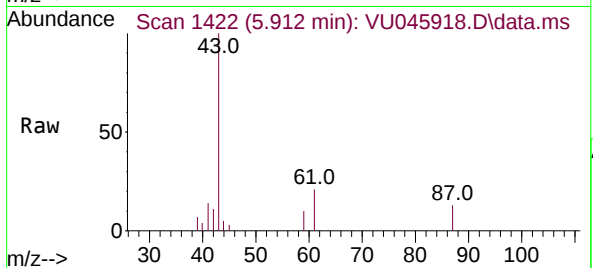
Tgt Ion: 43 Resp: 13536

Ion Ratio Lower Upper

43 100

61 20.8 16.9 25.3

87 13.3 11.0 16.4



#45

1,2-Dichloropropane

Concen: 0.740 ug/l

RT: 7.038 min Scan# 1772

Delta R.T. 0.244 min

Lab File: VU045918.D

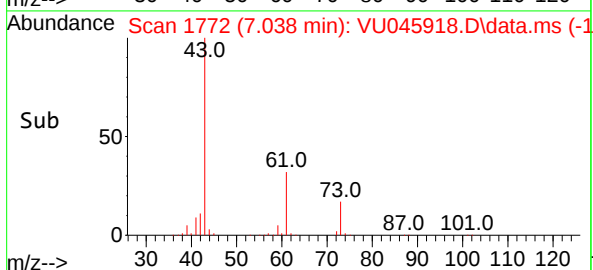
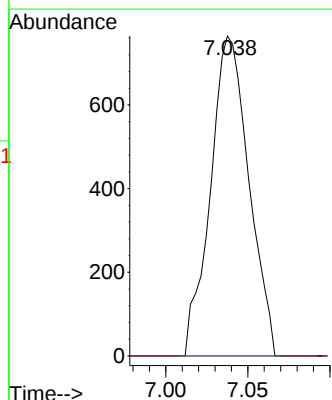
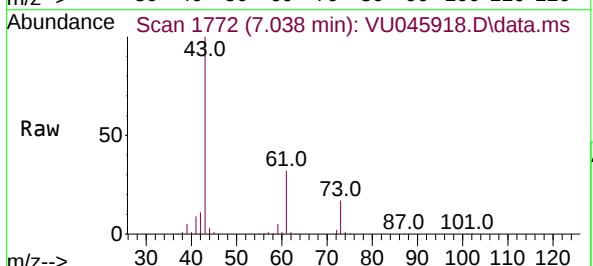
Acq: 22 Nov 2021 16:47

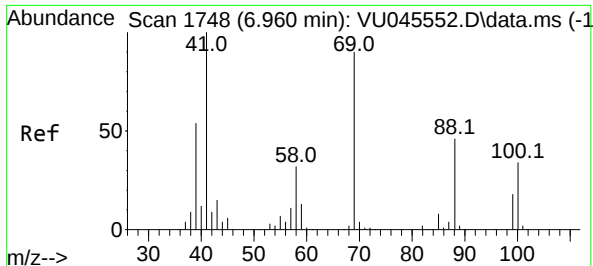
Tgt Ion: 63 Resp: 1246

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#





#48

Methyl methacrylate

Concen: 2.736 ug/l

RT: 6.896 min Scan# 1

Delta R.T. -0.064 min

Lab File: VU045918.D

Acq: 22 Nov 2021 16:47

Instrument :

MSVOA_U

ClientSampleId :

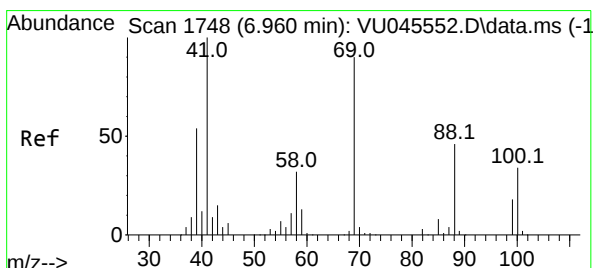
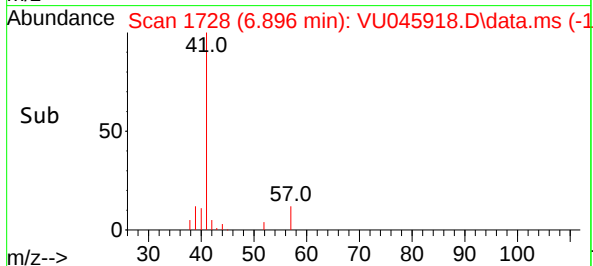
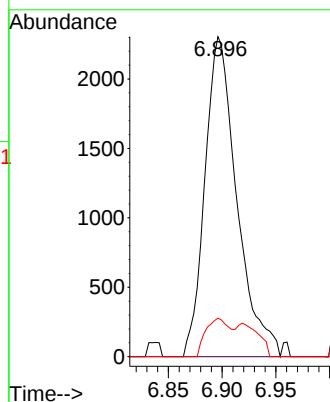
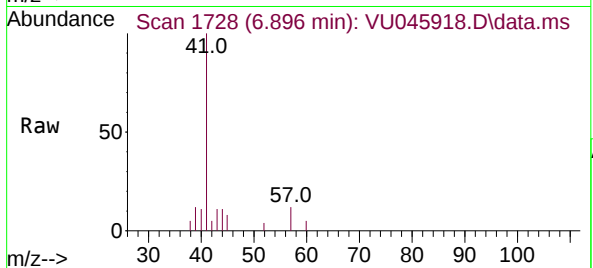
Tgt Ion: 41 Resp: 4755

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#



#49

1,4-Dioxane

Concen: 2.707 ug/l

RT: 7.038 min Scan# 1772

Delta R.T. 0.077 min

Lab File: VU045918.D

Acq: 22 Nov 2021 16:47

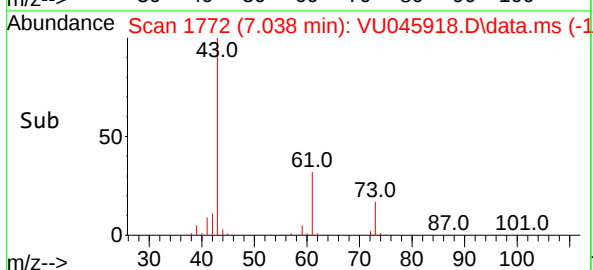
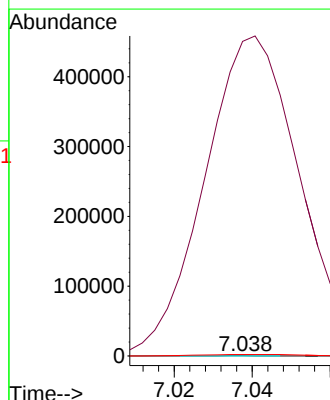
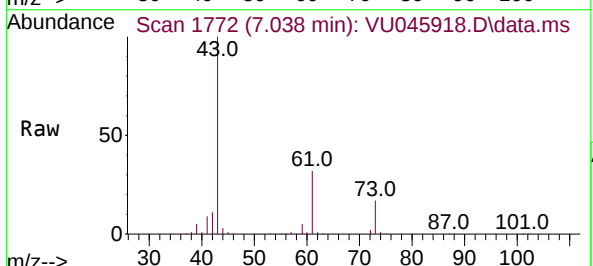
Tgt Ion: 88 Resp: 121

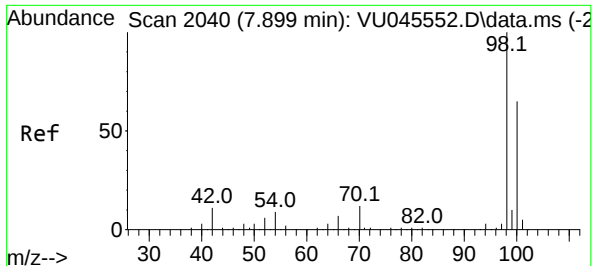
Ion Ratio Lower Upper

88 100

43 664171.1 0.0 0.0#

58 3361.2 58.7 88.1#

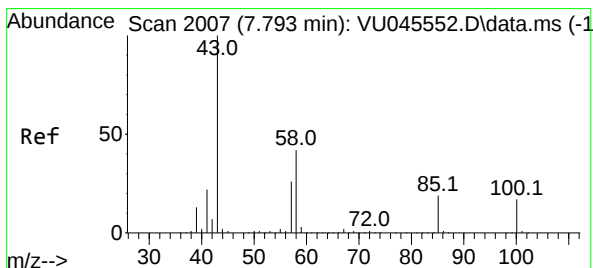
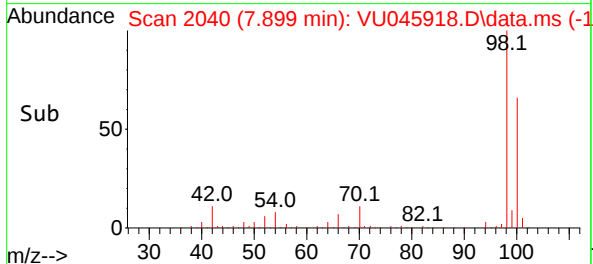
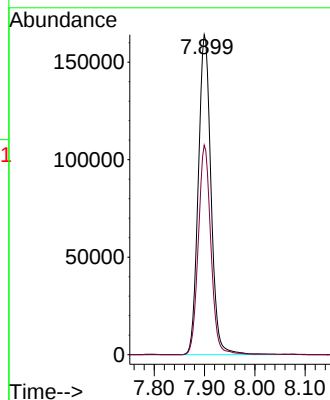
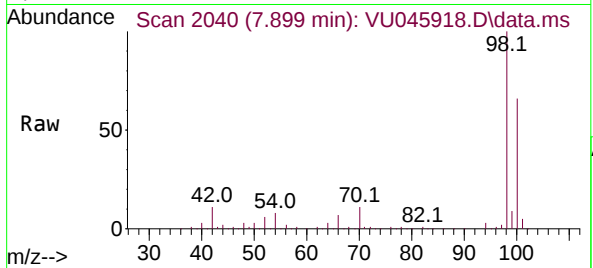




#50
Toluene-d8
Concen: 52.731 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045918.D
Acq: 22 Nov 2021 16:47

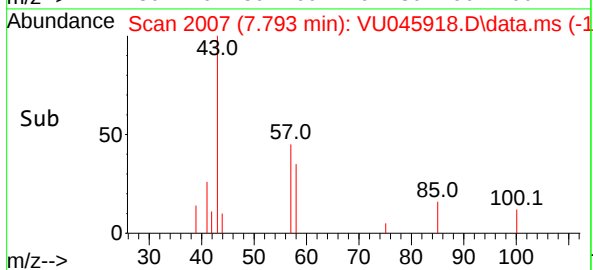
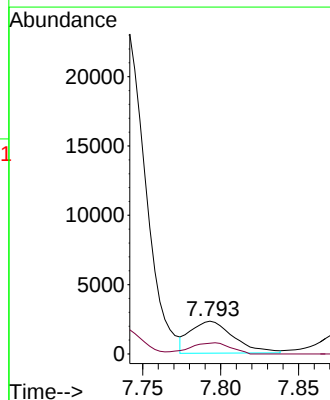
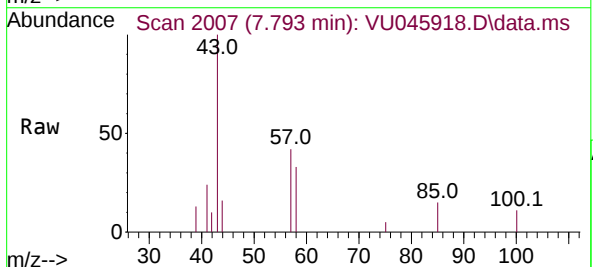
Instrument :
MSVOA_U
ClientSampleId :

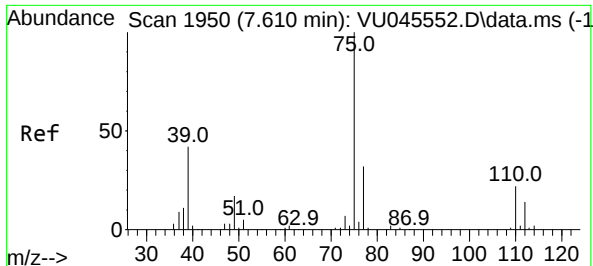
Tgt Ion: 98 Resp: 288569
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.786 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. -0.000 min
Lab File: VU045918.D
Acq: 22 Nov 2021 16:47

Tgt Ion: 43 Resp: 4449
Ion Ratio Lower Upper
43 100
58 33.0 33.8 50.8#

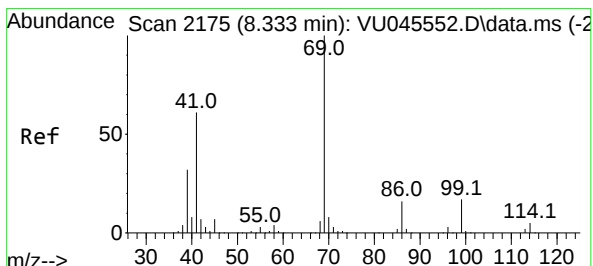
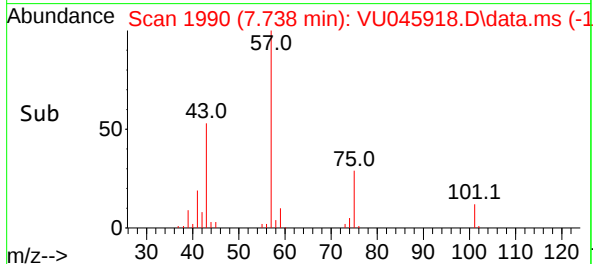
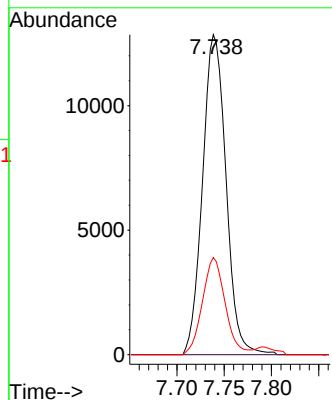
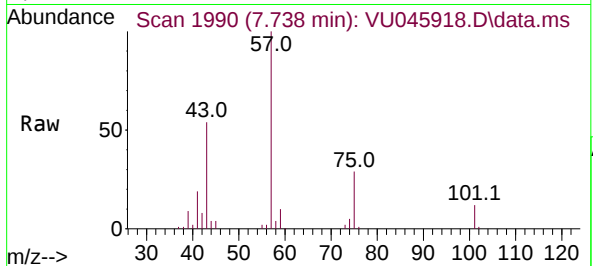




#54
 cis-1,3-Dichloropropene
 Concen: 8.207 ug/l
 RT: 7.738 min Scan# 1950
 Delta R.T. 0.129 min
 Lab File: VU045918.D
 Acq: 22 Nov 2021 16:47

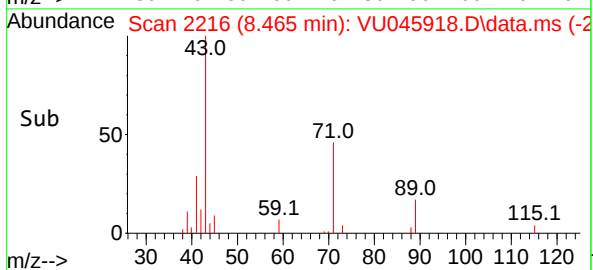
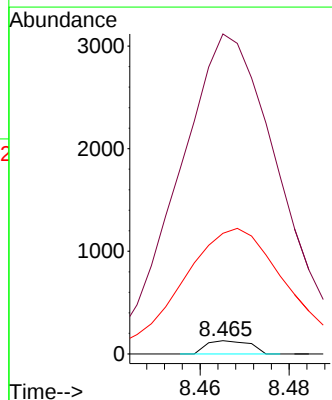
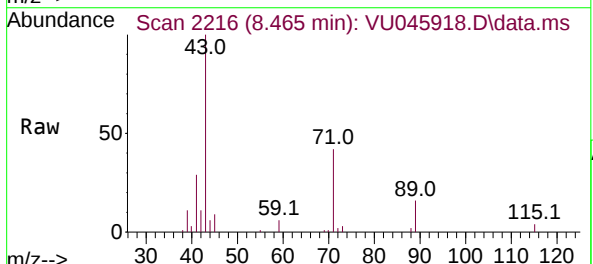
Instrument :
 MSVOA_U
 ClientSampleId :

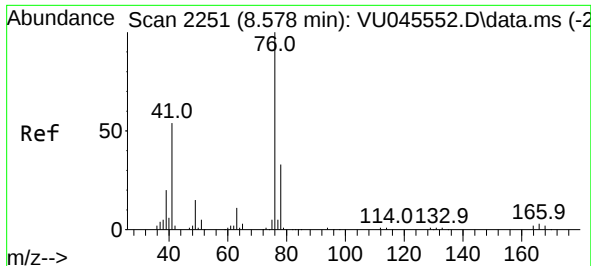
Tgt Ion: 75 Resp: 22178
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 30.4 37.1 55.7#



#56
 Ethyl methacrylate
 Concen: 2.453 ug/l
 RT: 8.465 min Scan# 2216
 Delta R.T. 0.132 min
 Lab File: VU045918.D
 Acq: 22 Nov 2021 16:47

Tgt Ion: 69 Resp: 87
 Ion Ratio Lower Upper
 69 100
 41 5860.9 51.0 76.4#
 39 2341.4 26.6 39.8#





#57

1,3-Dichloropropane

Concen: 5.363 ug/l

RT: 8.729 min Scan# 21

Delta R.T. 0.151 min

Lab File: VU045918.D

Acq: 22 Nov 2021 16:47

Instrument :

MSVOA_U

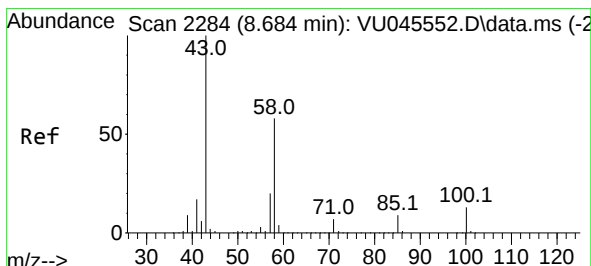
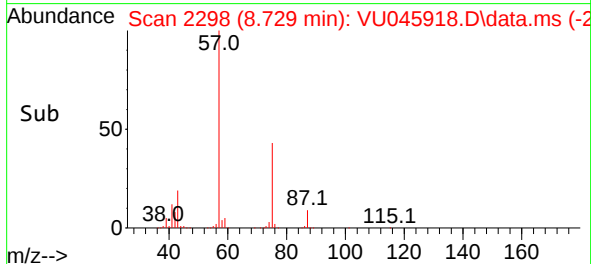
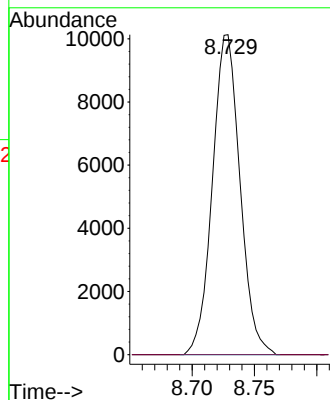
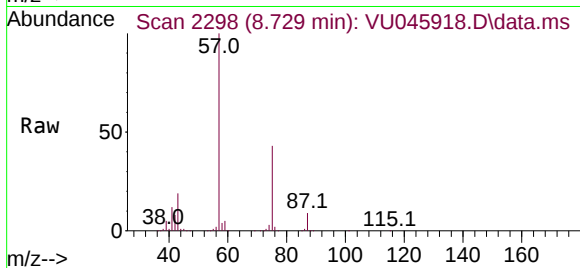
ClientSampleId :

Tgt Ion: 76 Resp: 15595

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 92.476 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.045 min

Lab File: VU045918.D

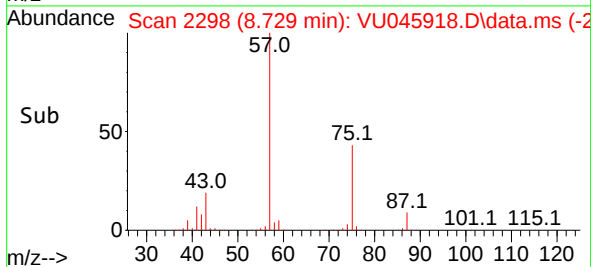
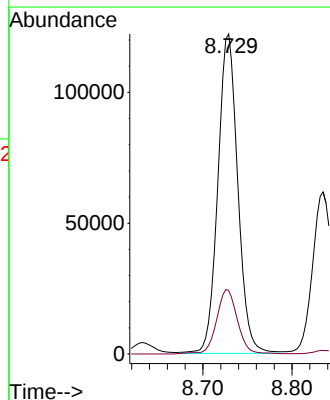
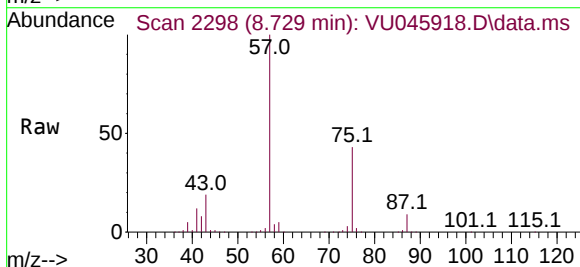
Acq: 22 Nov 2021 16:47

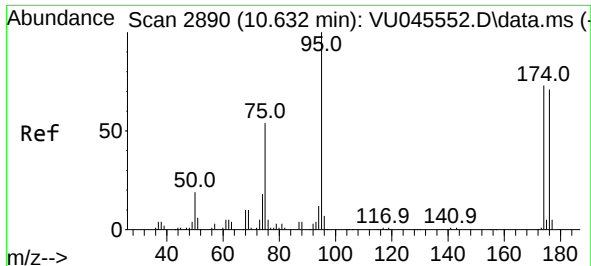
Tgt Ion: 43 Resp: 189841

Ion Ratio Lower Upper

43 100

58 21.1 29.5 88.6#

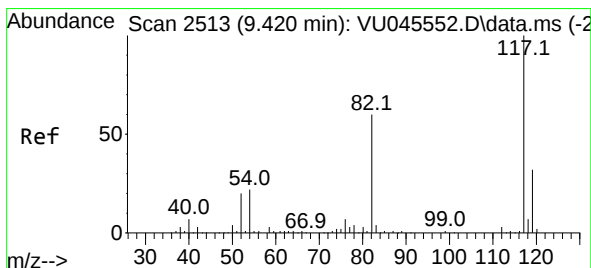
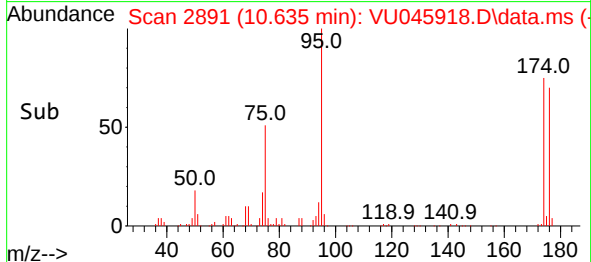
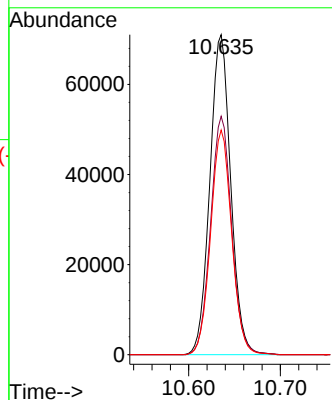
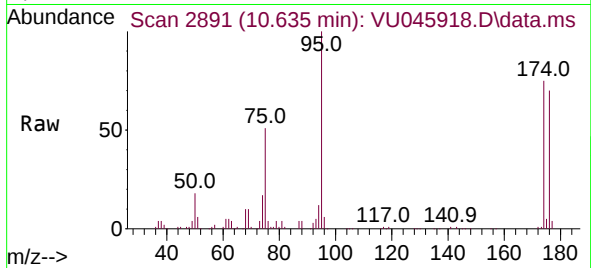




#62
4-Bromofluorobenzene
Concen: 51.271 ug/l
RT: 10.635 min Scan# 2890
Delta R.T. 0.003 min
Lab File: VU045918.D
Acq: 22 Nov 2021 16:47

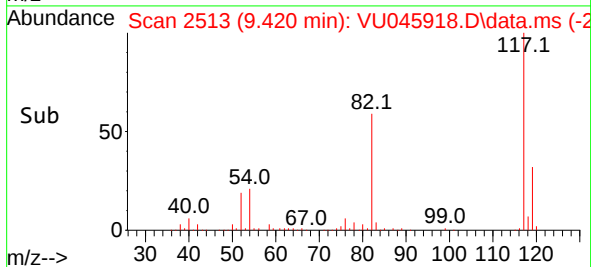
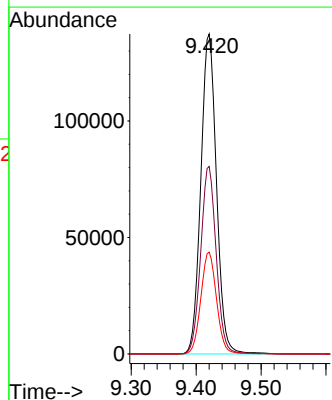
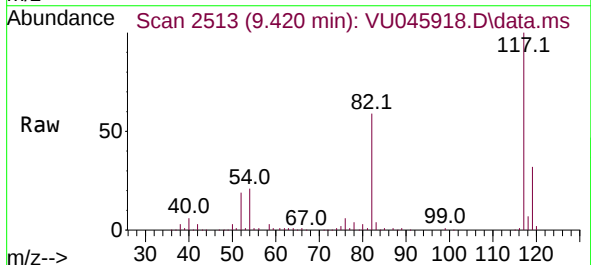
Instrument :
MSVOA_U
ClientSampleId :

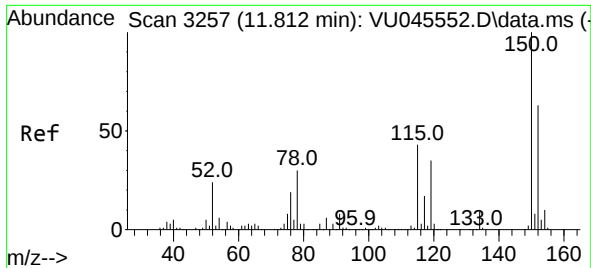
Tgt Ion: 95 Resp: 112511
Ion Ratio Lower Upper
95 100
174 75.2 0.0 141.8
176 70.6 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045918.D
Acq: 22 Nov 2021 16:47

Tgt Ion: 117 Resp: 230956
Ion Ratio Lower Upper
117 100
82 58.6 47.8 71.8
119 31.8 25.8 38.8

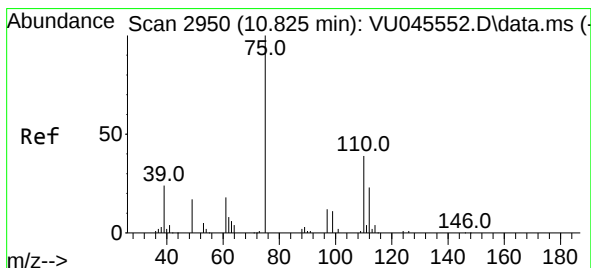
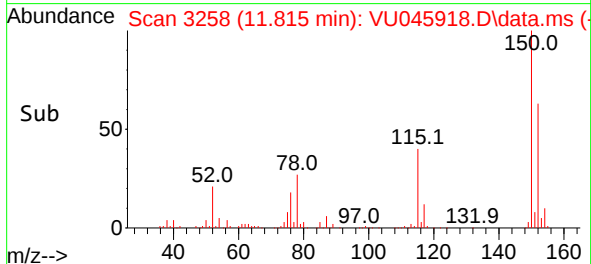
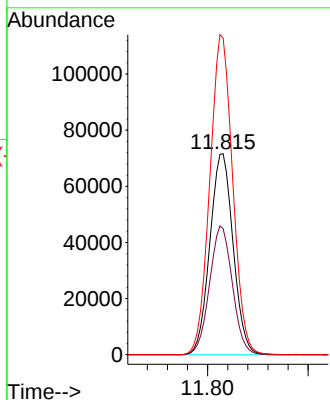
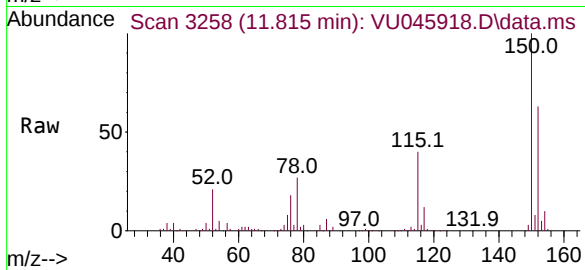




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU045918.D
 Acq: 22 Nov 2021 16:47

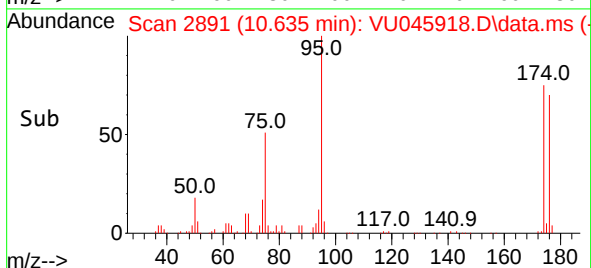
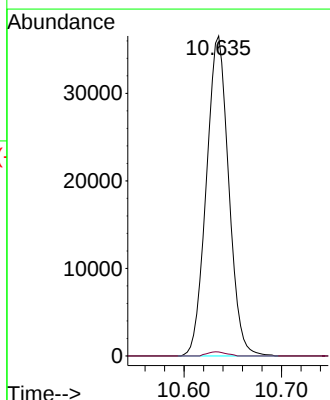
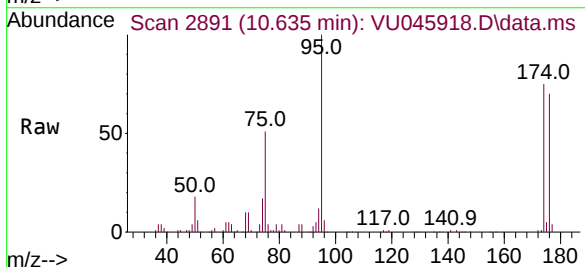
Instrument :
 MSVOA_U
 ClientSampleId :

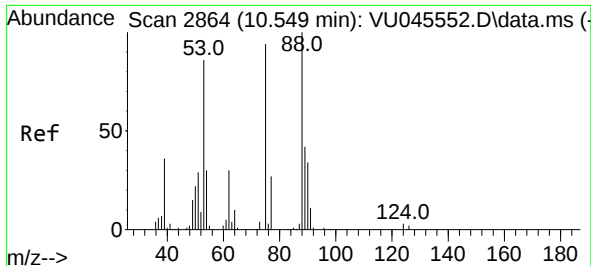
Tgt Ion:152 Resp: 115171
 Ion Ratio Lower Upper
 152 100
 115 62.7 42.7 128.1
 150 156.2 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 16.686 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.190 min
 Lab File: VU045918.D
 Acq: 22 Nov 2021 16:47

Tgt Ion: 75 Resp: 58278
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.1 51.3#

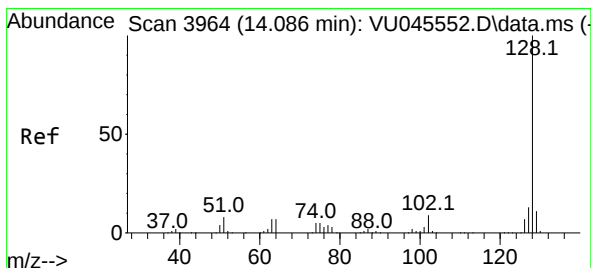
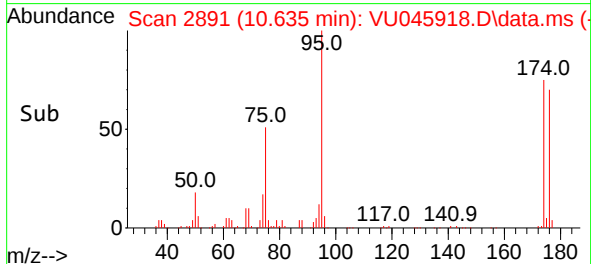
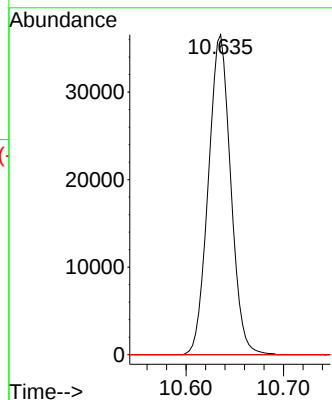
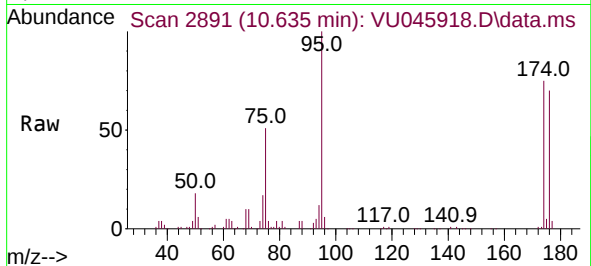




#81
trans-1,4-Dichloro-2-butene
Concen: 54.383 ug/l
RT: 10.635 min Scan# 2864
Delta R.T. 0.086 min
Lab File: VU045918.D
Acq: 22 Nov 2021 16:47

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 58278
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: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU045918.D
Acq: 22 Nov 2021 16:47

Tgt Ion:128 Resp: 226
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

