

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045946.D
 Acq On : 23 Nov 2021 04:22
 Operator : SY/MD
 Sample : M4781-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 06:53:15 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)

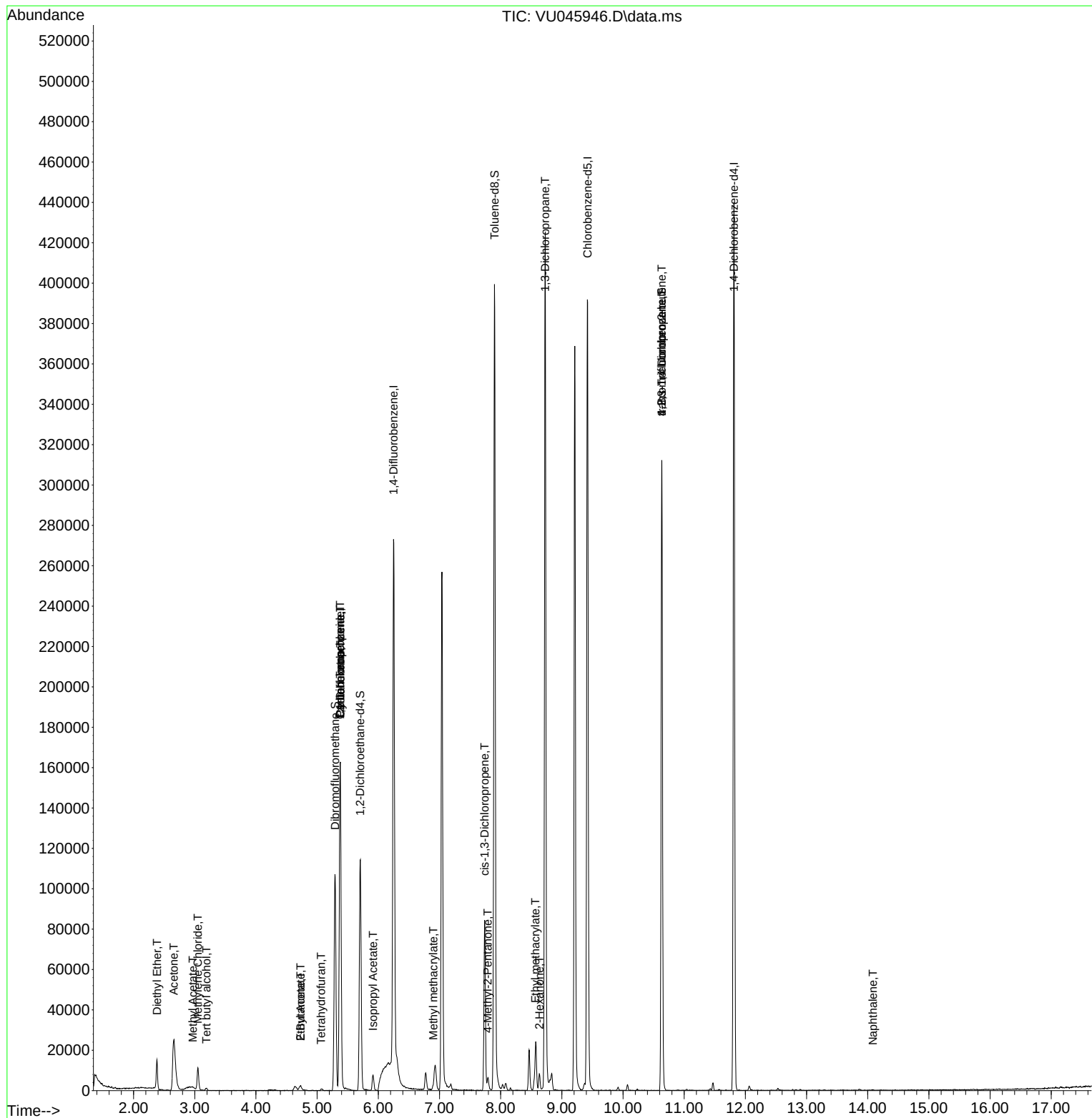
Internal Standards						
1) Pentafluorobenzene	5.378	168	111623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	209158	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	222363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	112243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	87014	52.052	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.100%	
35) Dibromofluoromethane	5.292	113	68866	49.316	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.640%	
50) Toluene-d8	7.899	98	274021	52.771	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.540%	
62) 4-Bromofluorobenzene	10.632	95	105223	50.534	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.060%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.382	74	5019	5.944	ug/l	92
11) Tert butyl alcohol	3.189	59	670	2.025	ug/l #	72
16) Acetone	2.658	43	54473	64.013	ug/l	97
18) Methyl Acetate	2.967	43	1319	0.455	ug/l #	50
20) Methylene Chloride	3.051	84	5101	3.450	ug/l	94
25) 2-Butanone	4.729	43	4536	3.843	ug/l	97
29) Tetrahydrofuran	5.063	42	313	0.434	ug/l #	76
31) Cyclohexane	5.378	56	2339	0.959	ug/l #	2
36) 1,1-Dichloropropene	5.375	75	9373	4.596	ug/l #	50
37) Ethyl Acetate	4.729	43	4536	1.936	ug/l #	67
38) Carbon Tetrachloride	5.375	117	11823	5.750	ug/l #	17
43) Isopropyl Acetate	5.915	43	8208	2.291	ug/l	99
48) Methyl methacrylate	6.899	41	3641	2.208	ug/l #	20
51) 4-Methyl-2-Pentanone	7.790	43	3993	1.689	ug/l	92
54) cis-1,3-Dichloropropene	7.738	75	15668	6.111	ug/l #	64
56) Ethyl methacrylate	8.568	69	165	2.481	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	4381	1.588	ug/l #	42
59) 2-Hexanone	8.632	43	6490	10.595	ug/l #	21
76) 1,2,3-Trichloropropane	10.632	75	55878	16.416	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.632	75	55878	53.552	ug/l #	12
95) Naphthalene	14.085	128	220	1.053	ug/l #	69

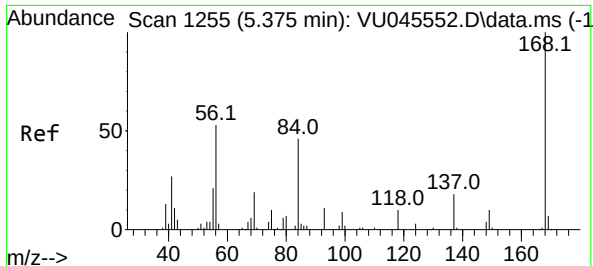
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 05 13:35:16 2021
Response via : Initial Calibration

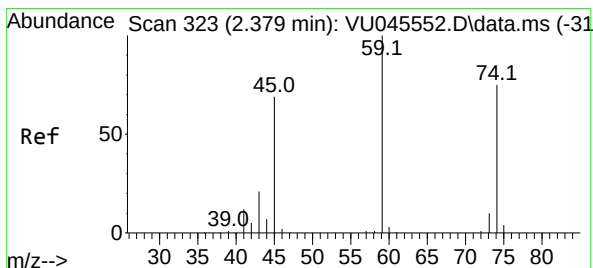
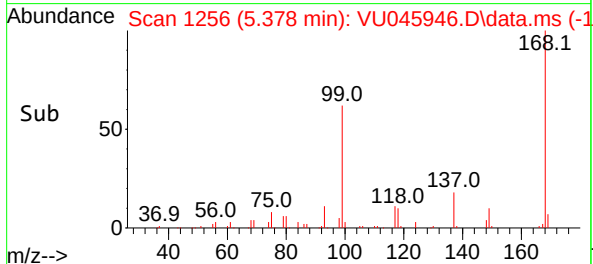
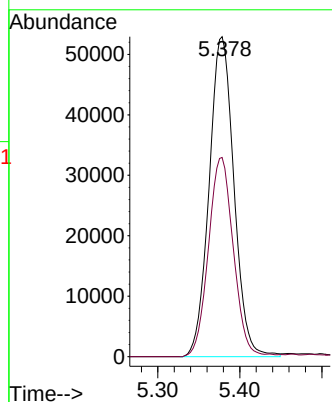
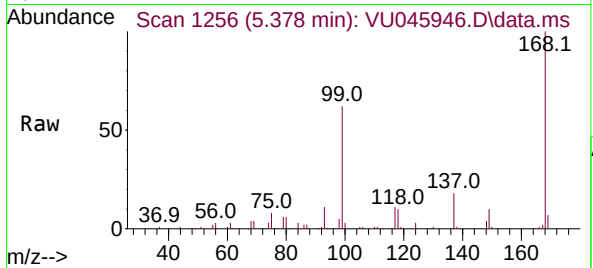




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

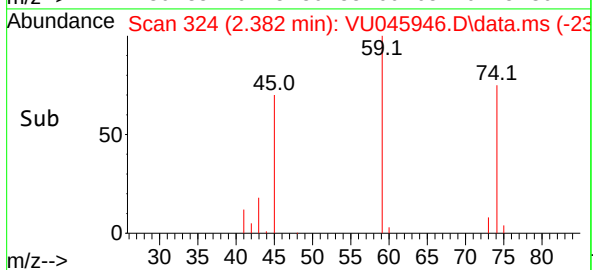
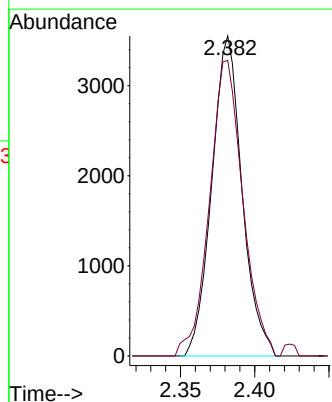
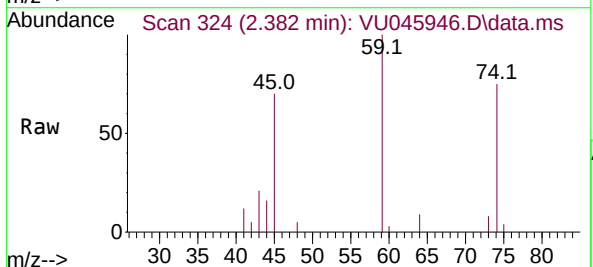
Instrument :
MSVOA_U
ClientSampleId :

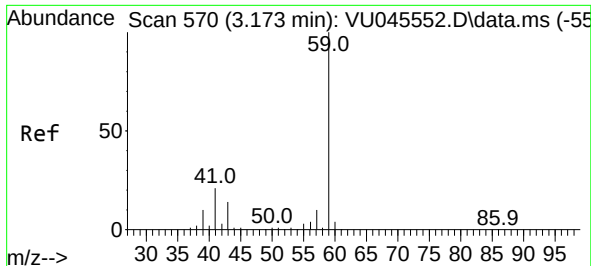
Tgt Ion:168 Resp: 111623
Ion Ratio Lower Upper
168 100
99 62.2 51.0 76.6



#8
Diethyl Ether
Concen: 5.944 ug/l
RT: 2.382 min Scan# 324
Delta R.T. 0.003 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

Tgt Ion: 74 Resp: 5019
Ion Ratio Lower Upper
74 100
45 101.9 47.3 141.8

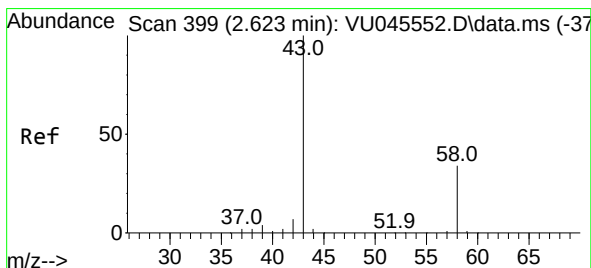
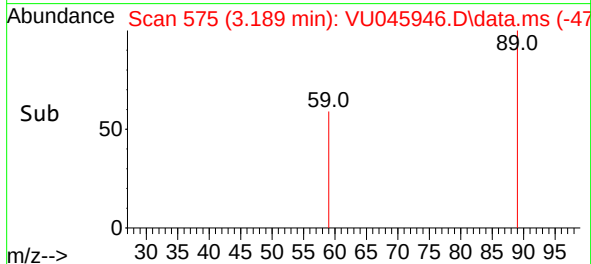
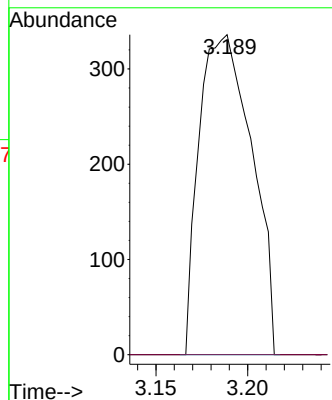
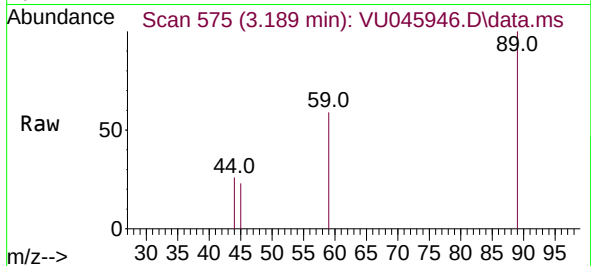




#11
Tert butyl alcohol
Concen: 2.025 ug/l
RT: 3.189 min Scan# 51
Delta R.T. 0.016 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

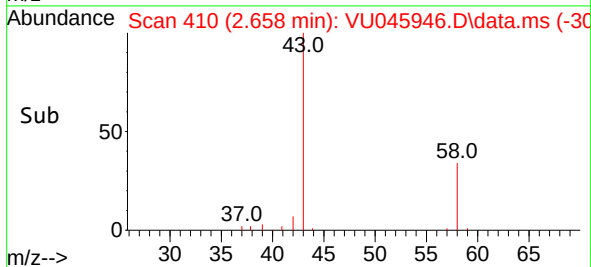
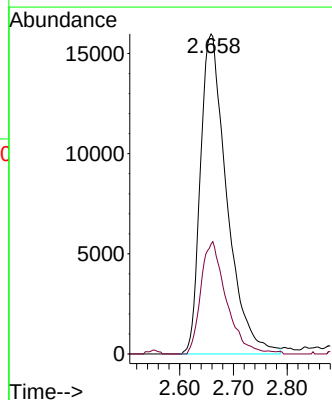
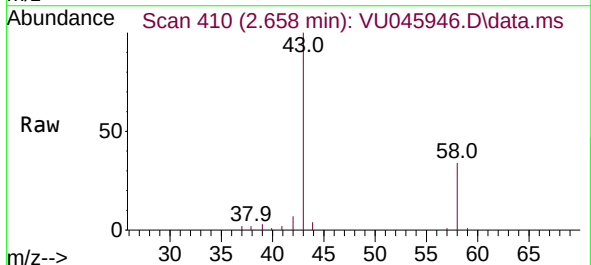
Instrument :
MSVOA_U
ClientSampleId :

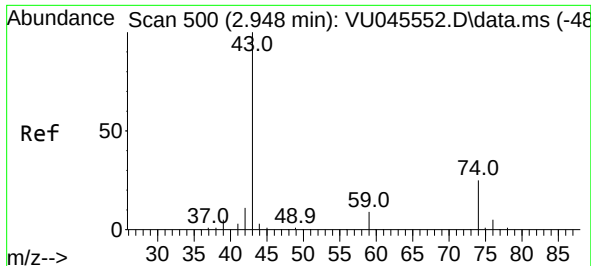
Tgt Ion: 59 Resp: 670
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 64.013 ug/l
RT: 2.658 min Scan# 410
Delta R.T. 0.035 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

Tgt Ion: 43 Resp: 54473
Ion Ratio Lower Upper
43 100
58 34.3 26.2 39.2

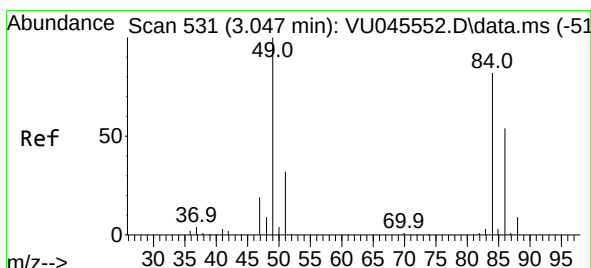
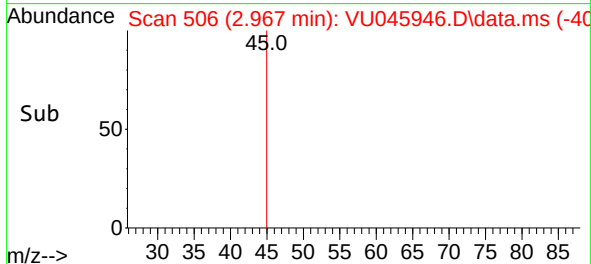
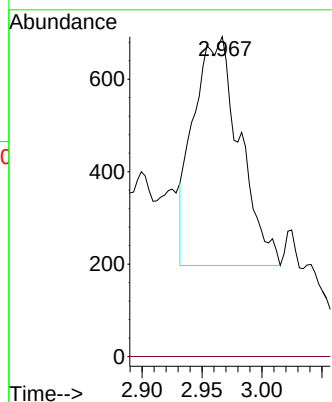
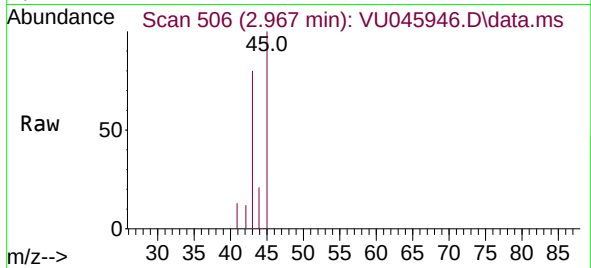




#18
Methyl Acetate
Concen: 0.455 ug/l
RT: 2.967 min Scan# 506
Delta R.T. 0.019 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

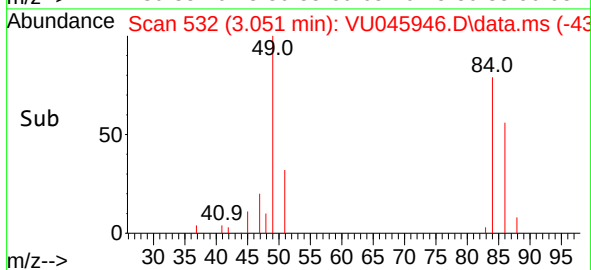
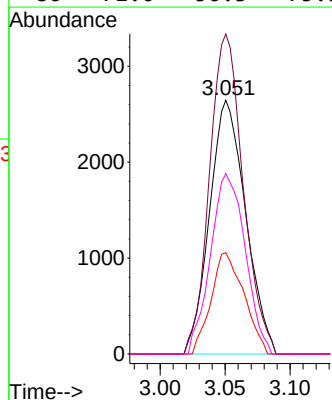
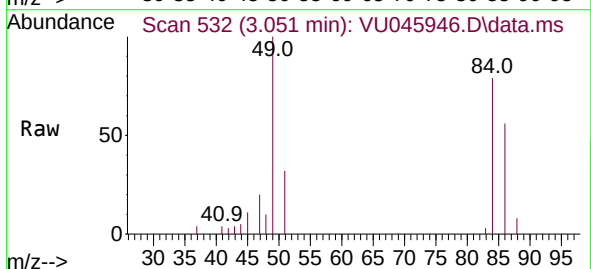
Instrument :
MSVOA_U
ClientSampleId :

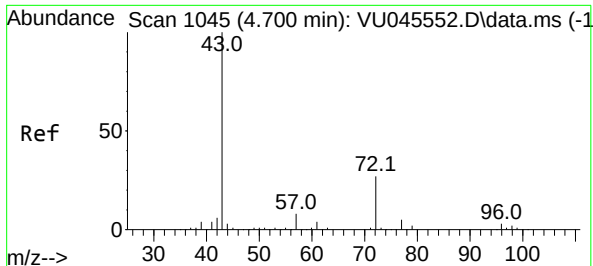
Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 3.450 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

Tgt Ion: 84 Resp: 5101
Ion Ratio Lower Upper
84 100
49 126.1 96.4 144.6
51 39.9 30.5 45.7
86 71.0 50.3 75.5





#25

2-Butanone

Concen: 3.843 ug/l

RT: 4.729 min Scan# 1105

Delta R.T. 0.029 min

Lab File: VU045946.D

Acq: 23 Nov 2021 04:22

Instrument :

MSVOA_U

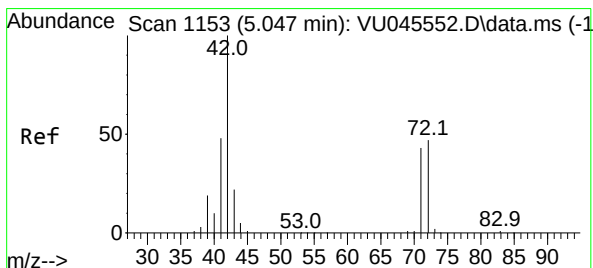
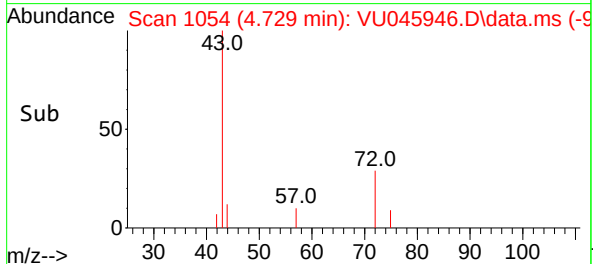
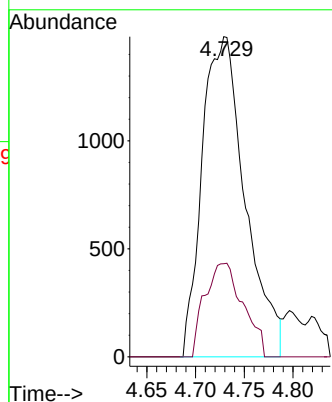
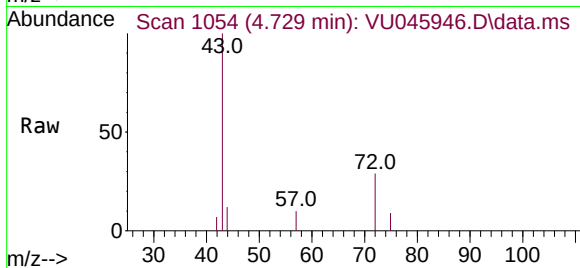
ClientSampleId :

Tgt Ion: 43 Resp: 4536

Ion Ratio Lower Upper

43 100

72 29.1 22.0 33.0



#29

Tetrahydrofuran

Concen: 0.434 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.016 min

Lab File: VU045946.D

Acq: 23 Nov 2021 04:22

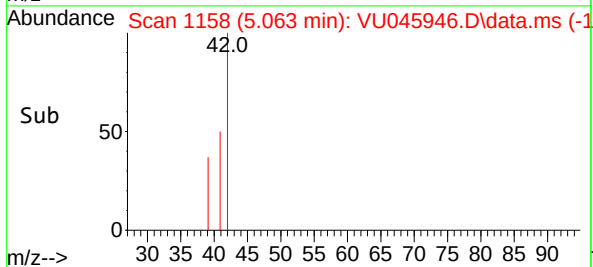
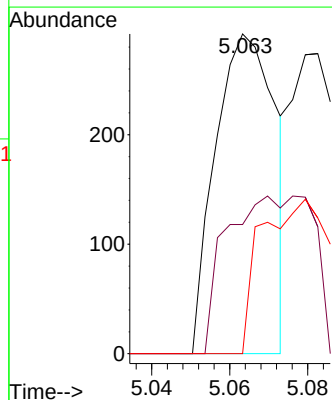
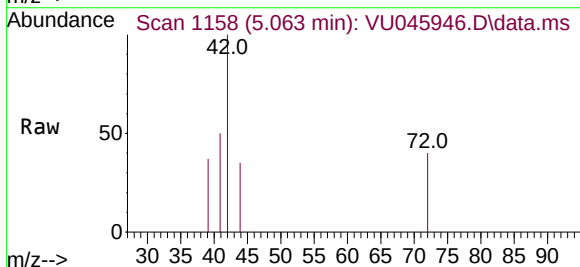
Tgt Ion: 42 Resp: 313

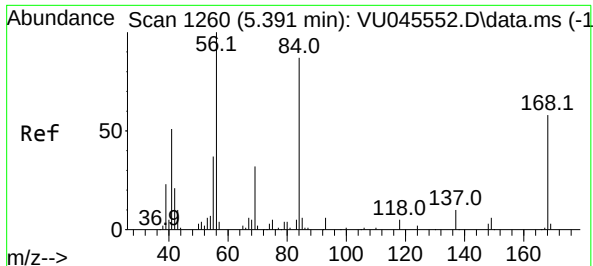
Ion Ratio Lower Upper

42 100

72 71.2 38.2 57.4#

71 52.1 35.4 53.2





#31

Cyclohexane

Concen: 0.959 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.013 min

Lab File: VU045946.D

Acq: 23 Nov 2021 04:22

Instrument :

MSVOA_U

ClientSampleId :

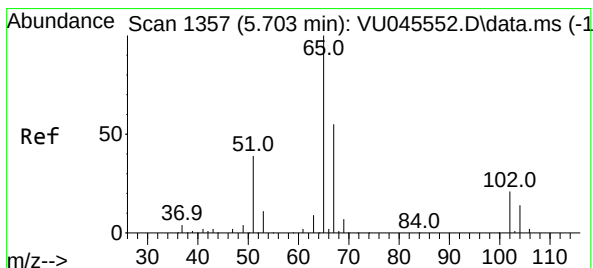
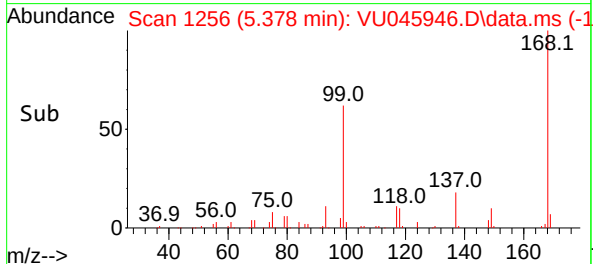
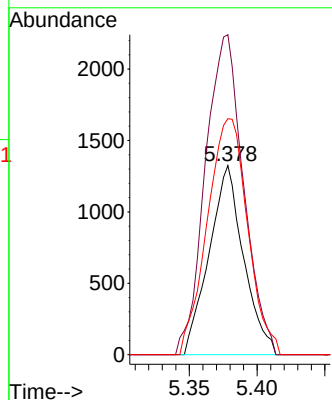
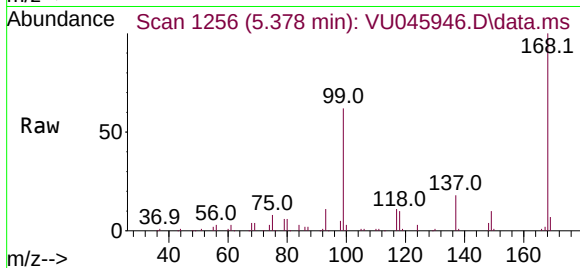
Tgt Ion: 56 Resp: 2339

Ion Ratio Lower Upper

56 100

69 169.1 26.4 39.6#

84 124.8 68.4 102.6#



#33

1,2-Dichloroethane-d4

Concen: 52.052 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. -0.000 min

Lab File: VU045946.D

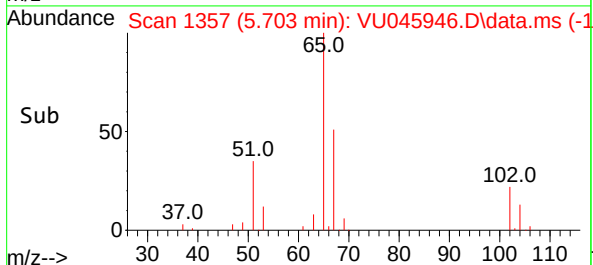
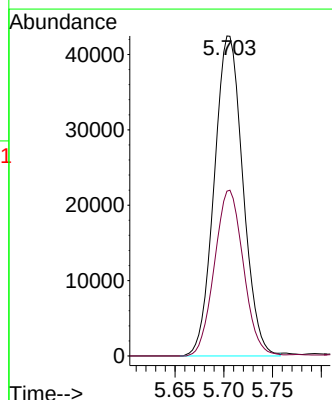
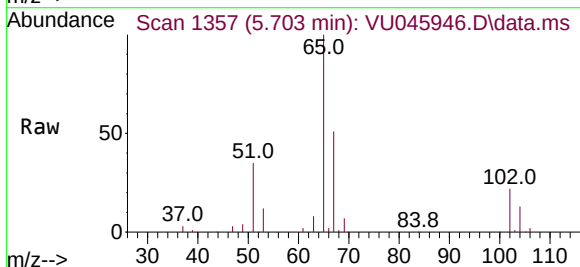
Acq: 23 Nov 2021 04:22

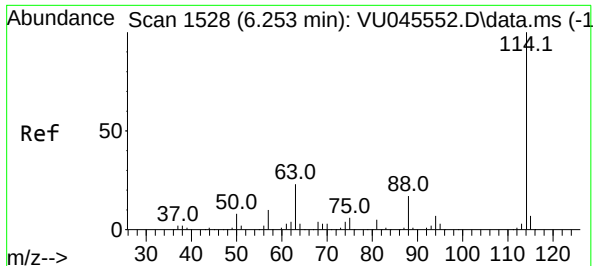
Tgt Ion: 65 Resp: 87014

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU045946.D

Acq: 23 Nov 2021 04:22

Instrument :

MSVOA_U

ClientSampleId :

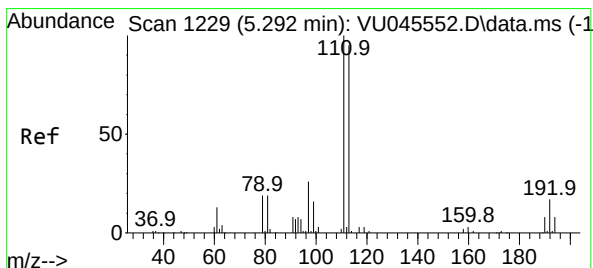
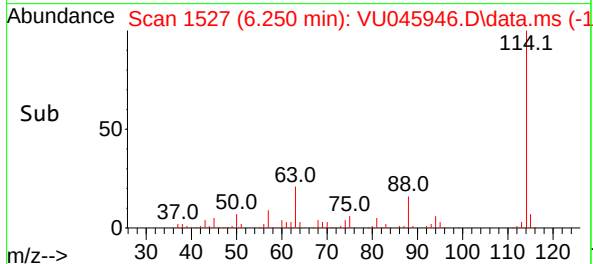
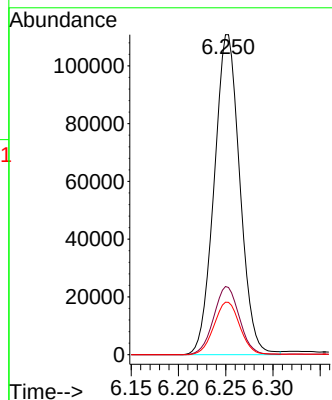
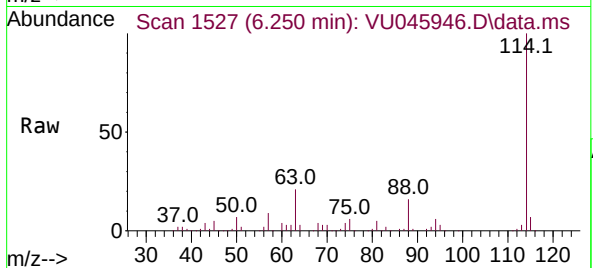
Tgt Ion:114 Resp: 209158

Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.6

88 16.4 0.0 33.8



#35

Dibromofluoromethane

Concen: 49.316 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045946.D

Acq: 23 Nov 2021 04:22

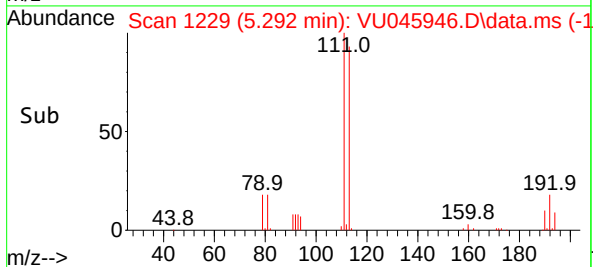
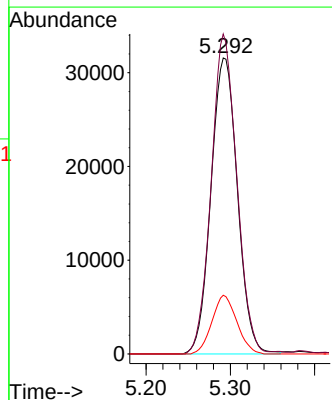
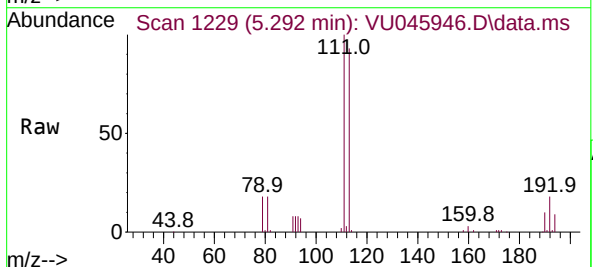
Tgt Ion:113 Resp: 68866

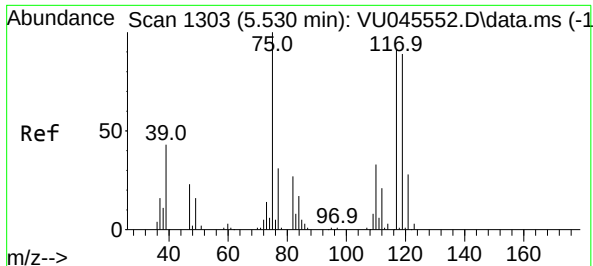
Ion Ratio Lower Upper

113 100

111 104.2 82.8 124.2

192 18.6 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.596 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU045946.D

Acq: 23 Nov 2021 04:22

Instrument :

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ClientSampleId :

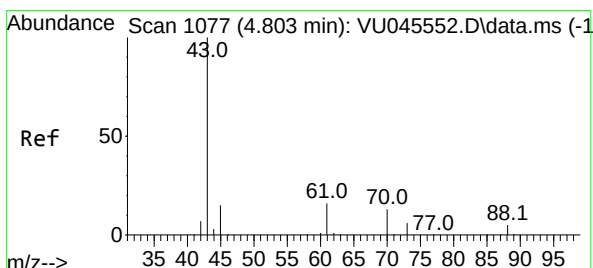
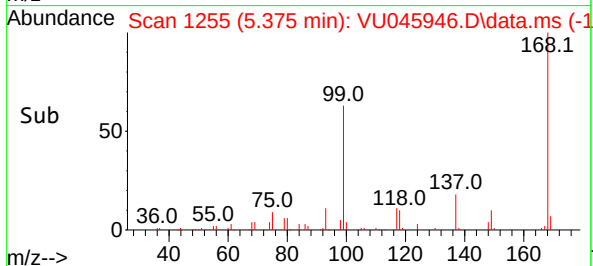
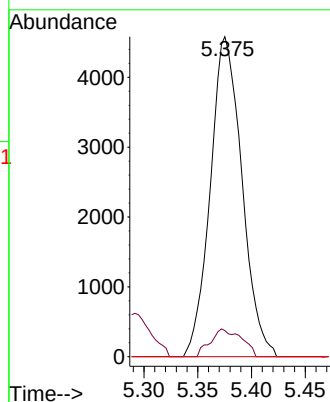
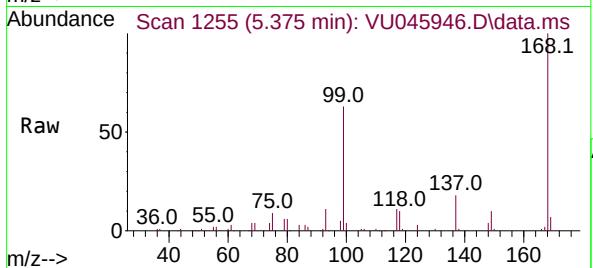
Tgt Ion: 75 Resp: 9373

Ion Ratio Lower Upper

75 100

110 8.5 16.7 50.0#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.936 ug/l

RT: 4.729 min Scan# 1054

Delta R.T. -0.074 min

Lab File: VU045946.D

Acq: 23 Nov 2021 04:22

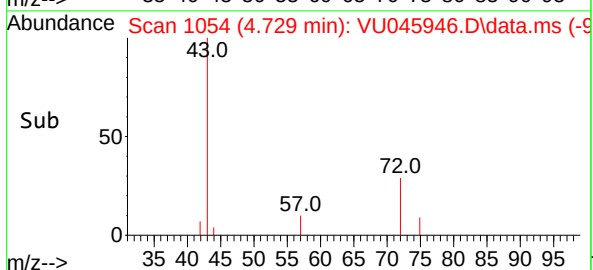
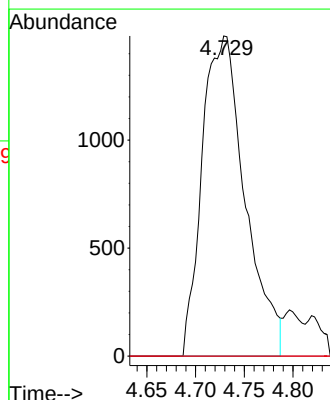
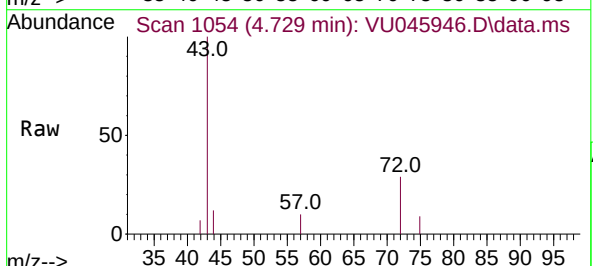
Tgt Ion: 43 Resp: 4536

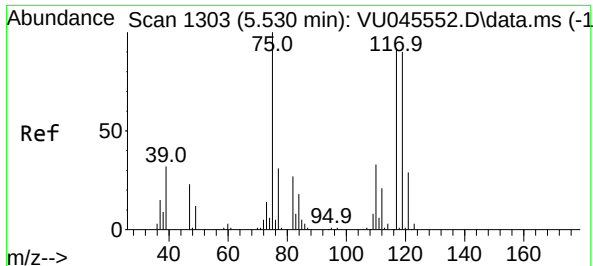
Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

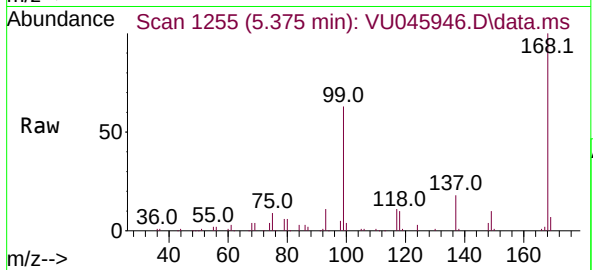
70 0.0 9.1 13.7#



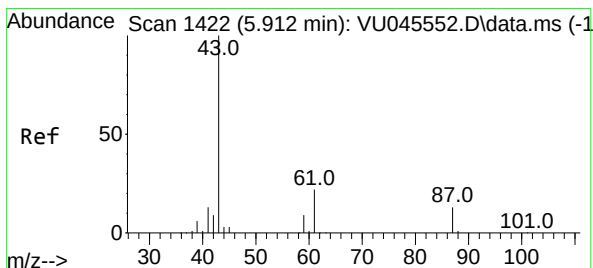
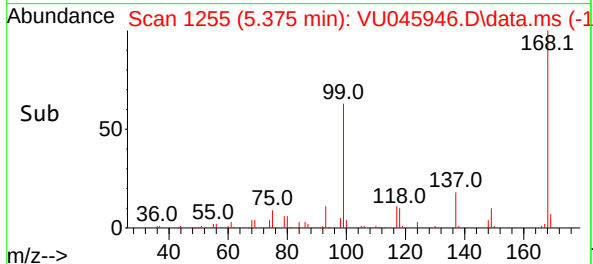
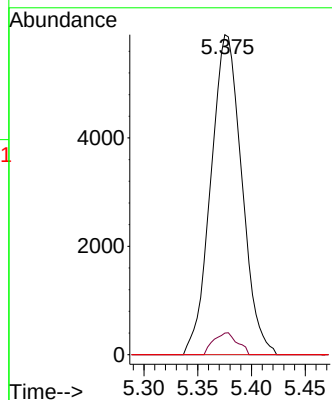


#38
Carbon Tetrachloride
Concen: 5.750 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

Instrument :
MSVOA_U
ClientSampleId :

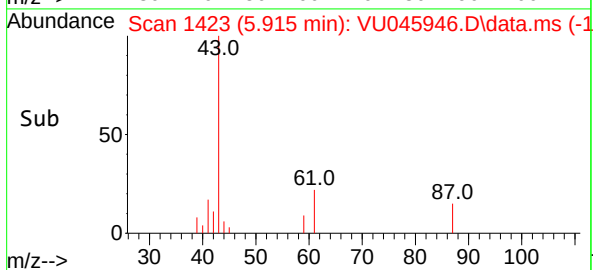
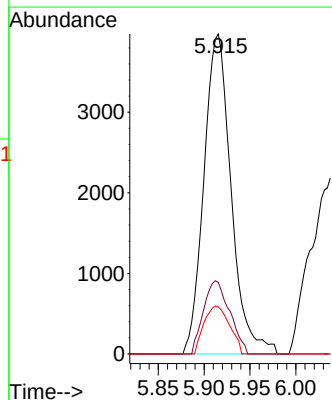
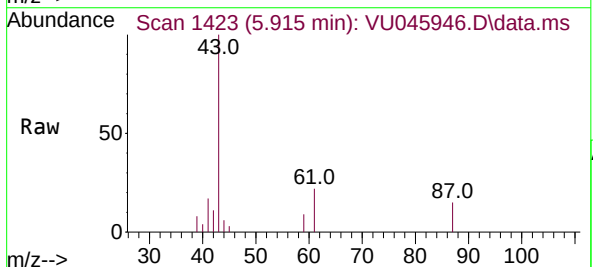


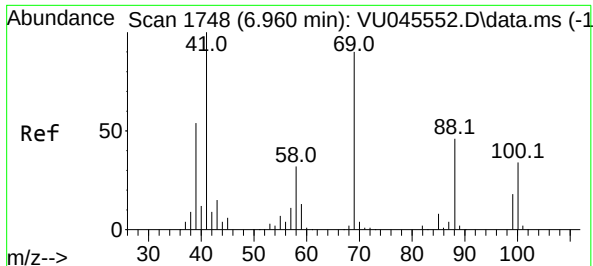
Tgt Ion:117 Resp: 11823
Ion Ratio Lower Upper
117 100
119 6.7 77.4 116.0#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 2.291 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.003 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

Tgt Ion: 43 Resp: 8208
Ion Ratio Lower Upper
43 100
61 22.0 16.9 25.3
87 14.0 11.0 16.4





#48

Methyl methacrylate

Concen: 2.208 ug/l

RT: 6.899 min Scan# 1

Delta R.T. -0.061 min

Lab File: VU045946.D

Acq: 23 Nov 2021 04:22

Instrument :

MSVOA_U

ClientSampleId :

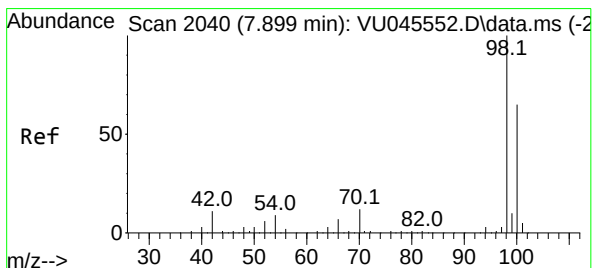
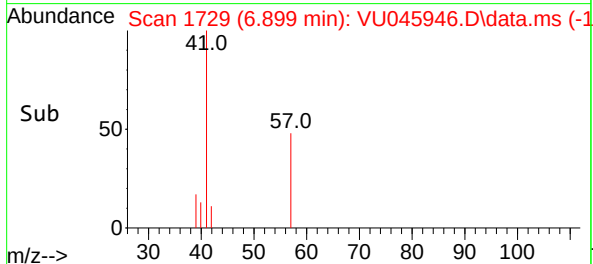
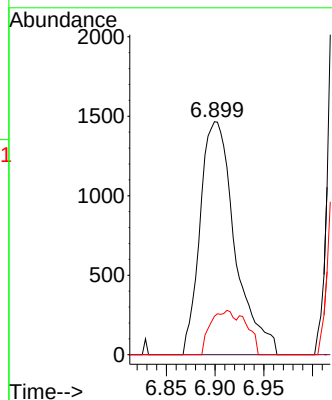
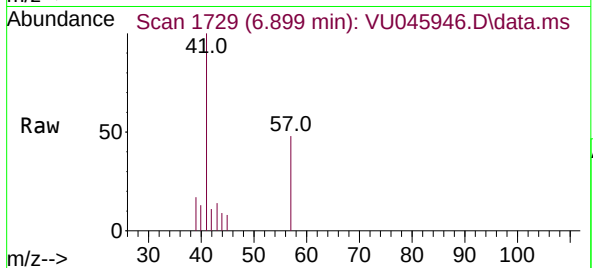
Tgt Ion: 41 Resp: 3641

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 13.3 43.9 65.9#



#50

Toluene-d8

Concen: 52.771 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VU045946.D

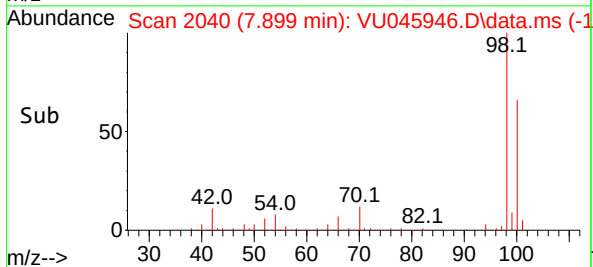
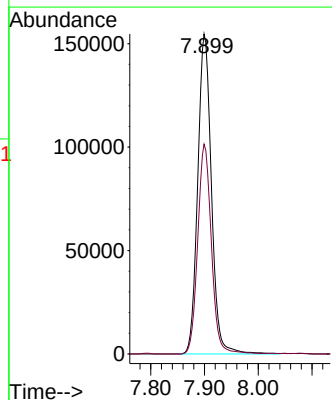
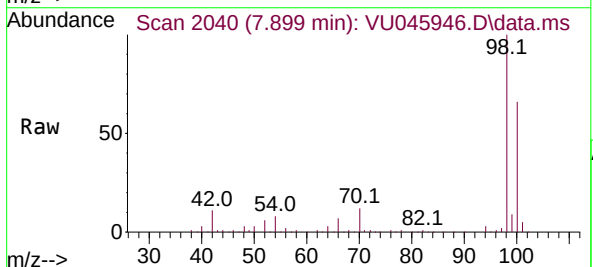
Acq: 23 Nov 2021 04:22

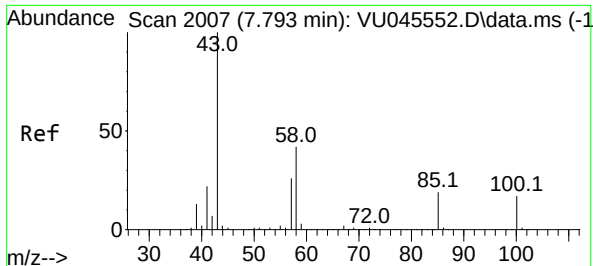
Tgt Ion: 98 Resp: 274021

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.689 ug/l

RT: 7.790 min Scan# 20

Delta R.T. -0.003 min

Lab File: VU045946.D

Acq: 23 Nov 2021 04:22

Instrument :

MSVOA_U

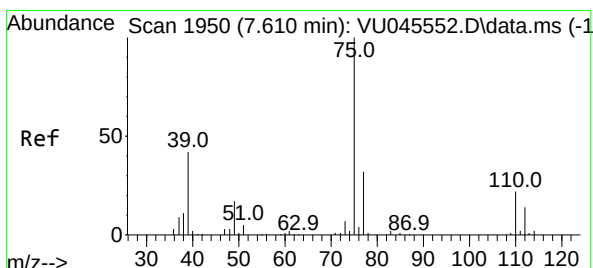
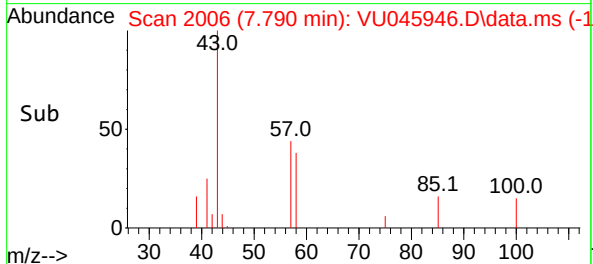
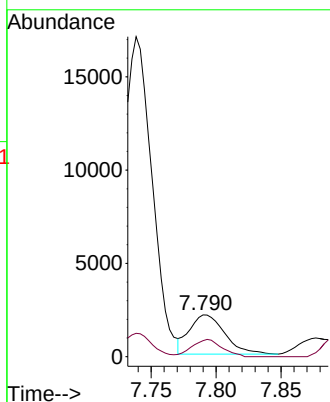
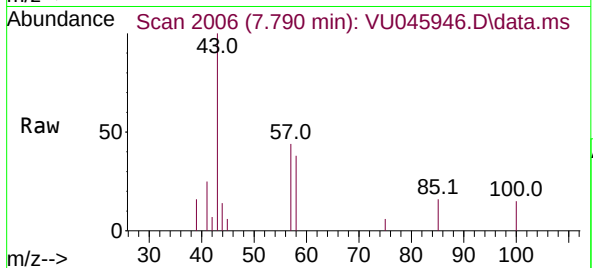
ClientSampleId :

Tgt Ion: 43 Resp: 3993

Ion Ratio Lower Upper

43 100

58 37.2 33.8 50.8



#54

cis-1,3-Dichloropropene

Concen: 6.111 ug/l

RT: 7.738 min Scan# 1990

Delta R.T. 0.129 min

Lab File: VU045946.D

Acq: 23 Nov 2021 04:22

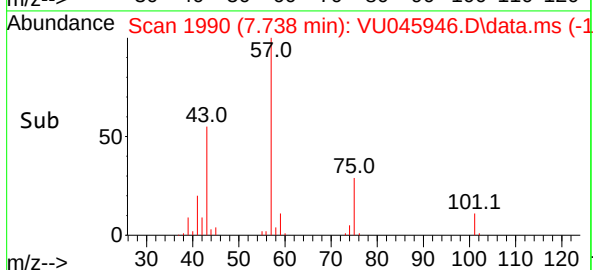
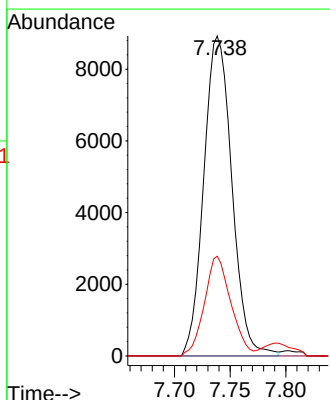
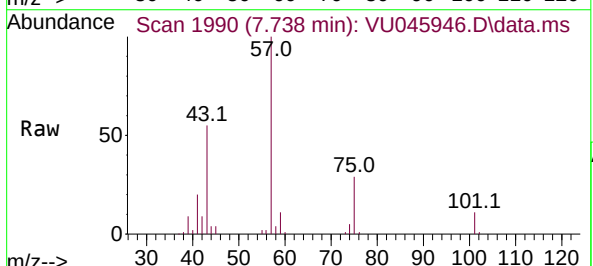
Tgt Ion: 75 Resp: 15668

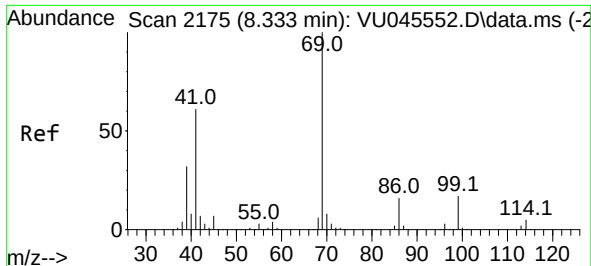
Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

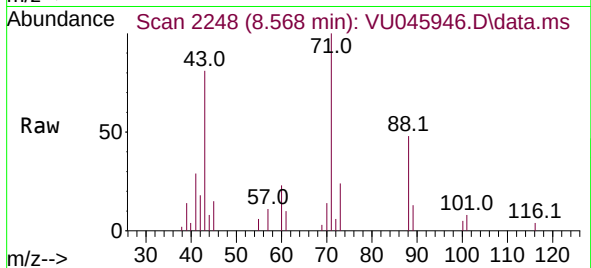
39 31.2 37.1 55.7#



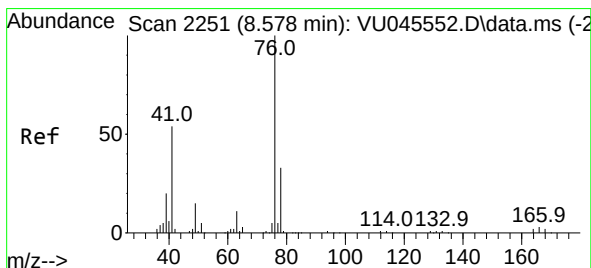
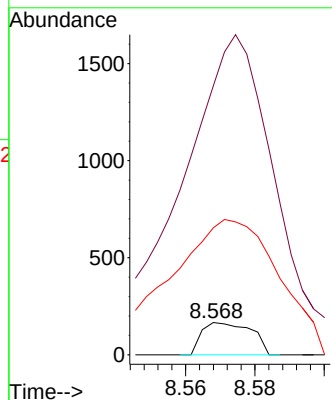
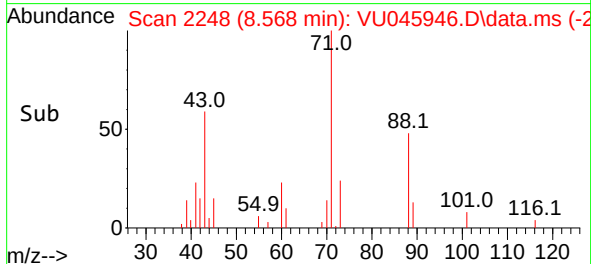


#56
Ethyl methacrylate
Concen: 2.481 ug/l
RT: 8.568 min Scan# 2175
Delta R.T. 0.235 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

Instrument :
MSVOA_U
ClientSampleId :

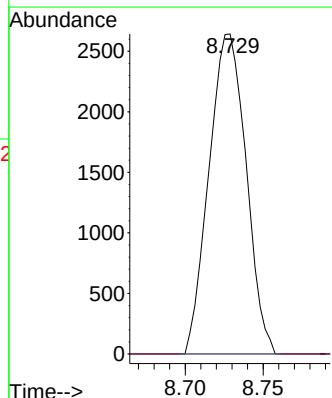
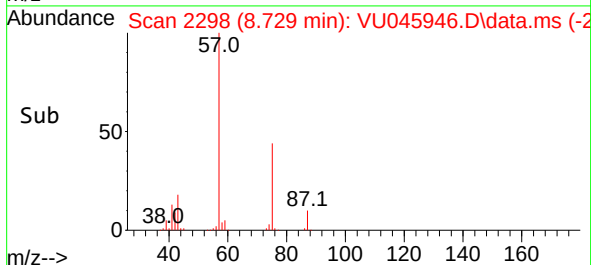
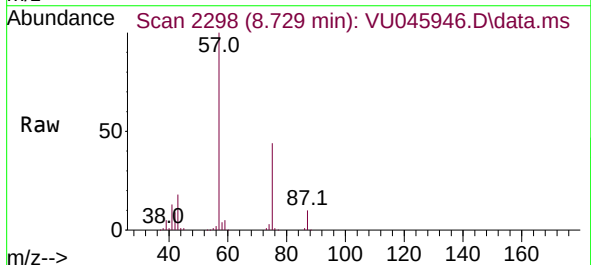


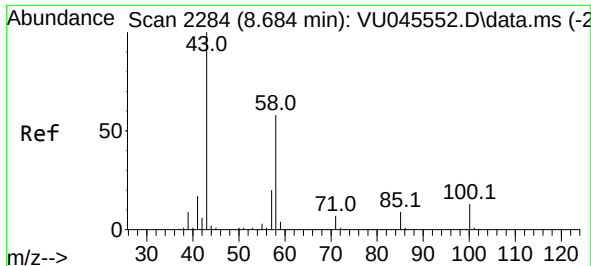
Tgt Ion: 69 Resp: 165
Ion Ratio Lower Upper
69 100
41 2032.7 51.0 76.4#
39 940.6 26.6 39.8#



#57
1,3-Dichloropropane
Concen: 1.588 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

Tgt Ion: 76 Resp: 4381
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

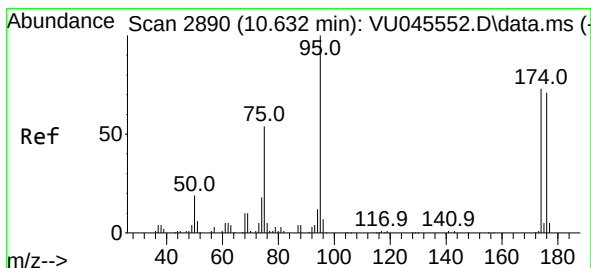
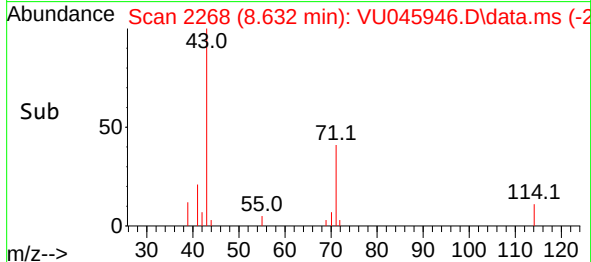
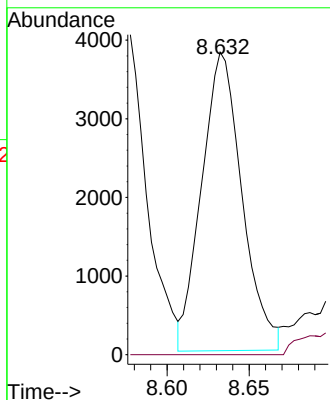
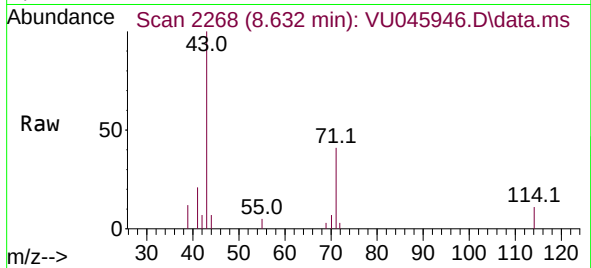




#59
2-Hexanone
Concen: 10.595 ug/l
RT: 8.632 min Scan# 21
Delta R.T. -0.052 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

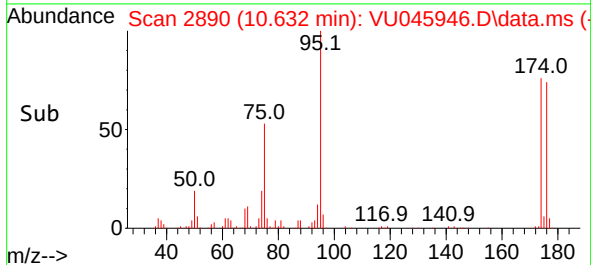
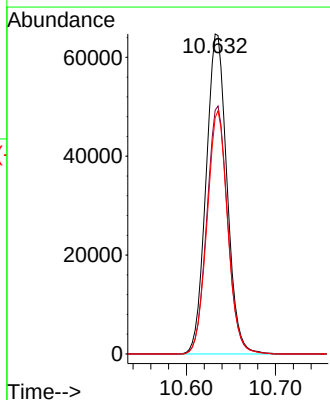
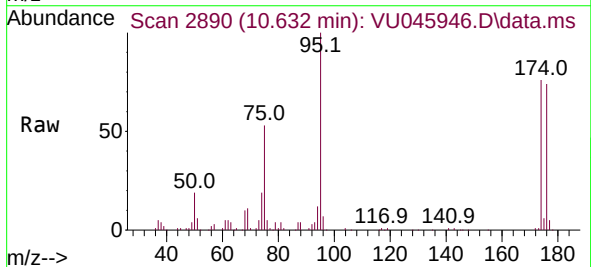
Instrument :
MSVOA_U
ClientSampleId :

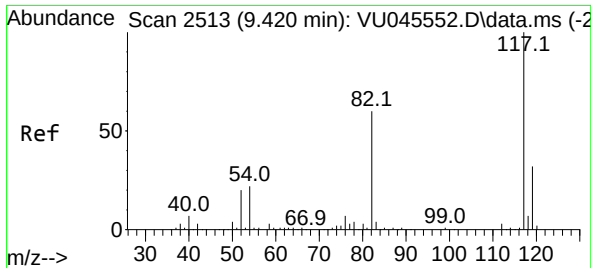
Tgt Ion: 43 Resp: 6490
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 50.534 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

Tgt Ion: 95 Resp: 105223
Ion Ratio Lower Upper
95 100
174 77.3 0.0 141.8
176 74.9 0.0 138.2

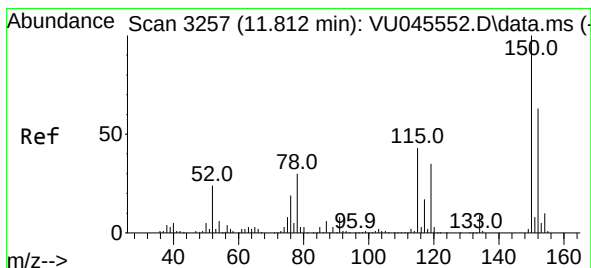
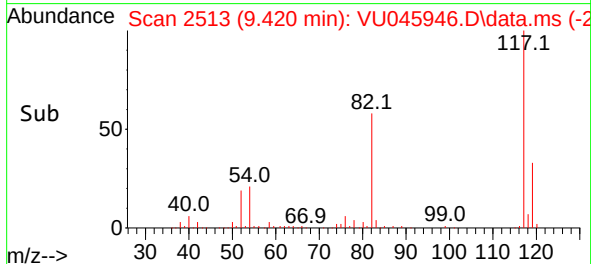
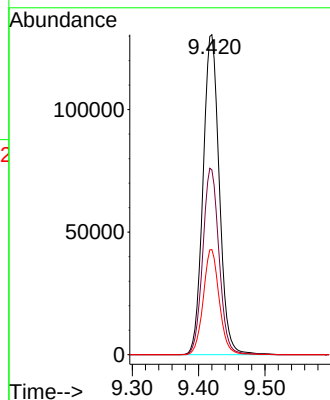
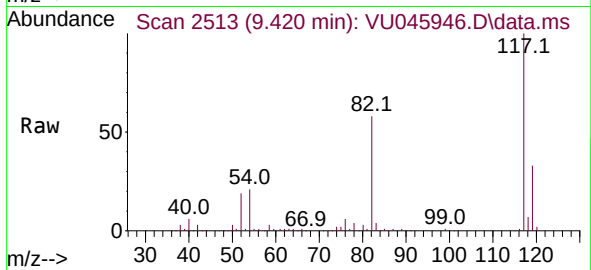




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

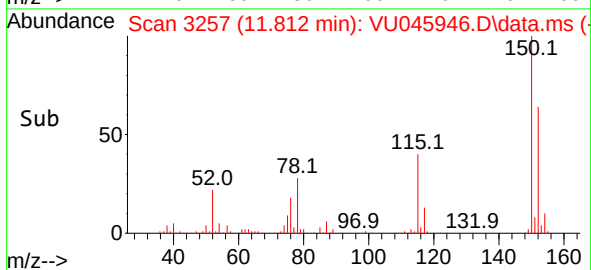
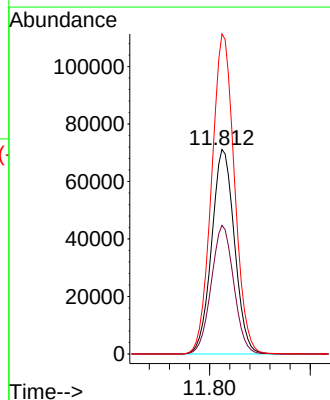
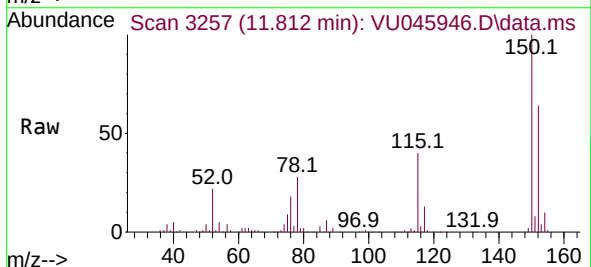
Instrument :
MSVOA_U
ClientSampleId :

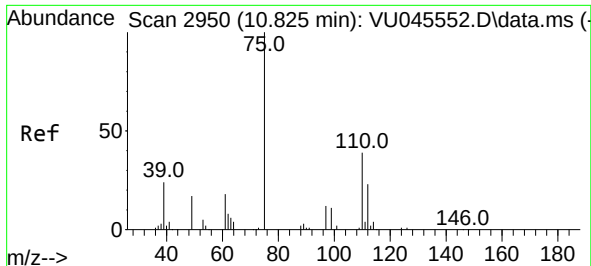
Tgt Ion:117 Resp: 222363
Ion Ratio Lower Upper
117 100
82 57.8 47.8 71.8
119 32.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.000 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

Tgt Ion:152 Resp: 112243
Ion Ratio Lower Upper
152 100
115 62.0 42.7 128.1
150 156.5 0.0 346.8

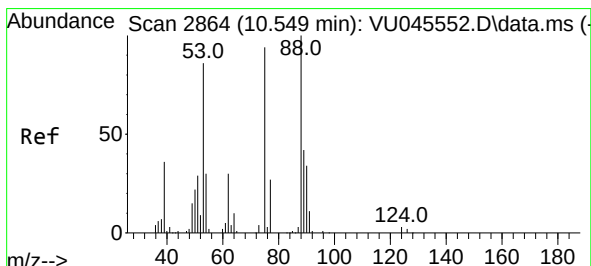
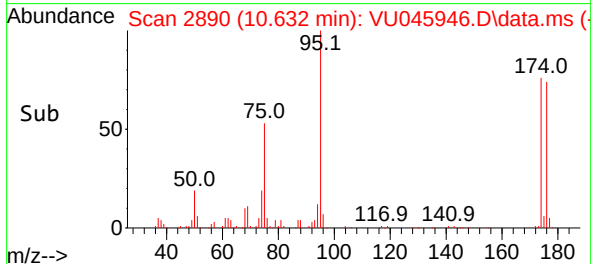
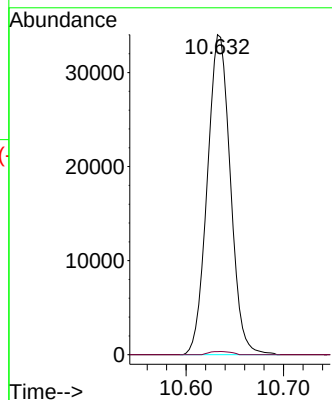
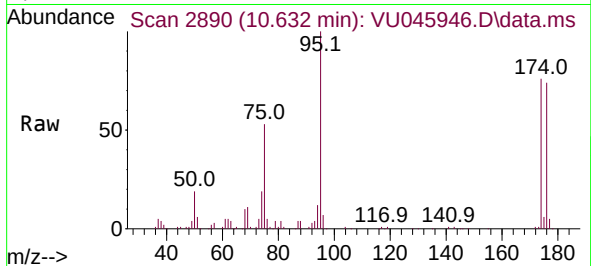




#76
1,2,3-Trichloropropane
Concen: 16.416 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.193 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

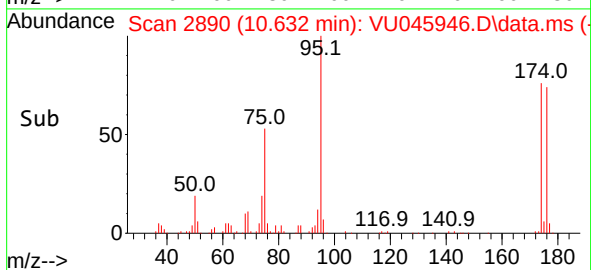
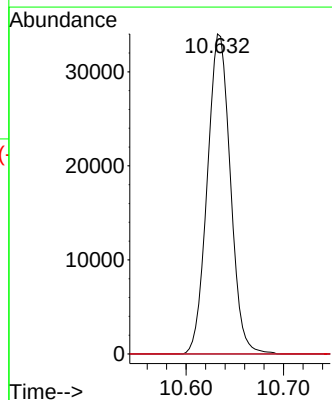
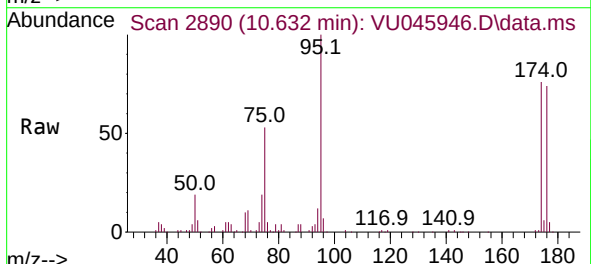
Instrument :
MSVOA_U
ClientSampleId :

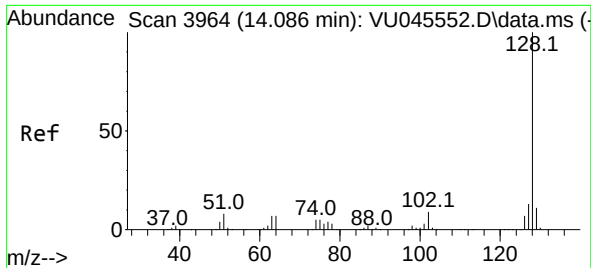
Tgt Ion: 75 Resp: 55878
Ion Ratio Lower Upper
75 100
77 1.0 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.552 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.083 min
Lab File: VU045946.D
Acq: 23 Nov 2021 04:22

Tgt Ion: 75 Resp: 55878
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: 14.085 min Scan# 3964

Delta R.T. -0.001 min

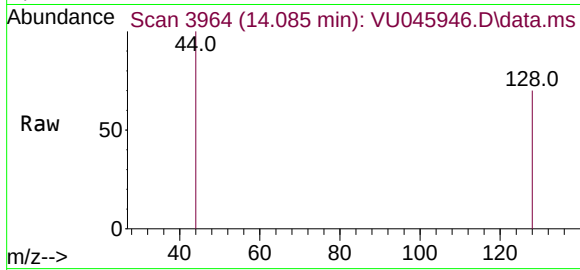
Lab File: VU045946.D

Acq: 23 Nov 2021 04:22

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 220

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

