

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102621\
 Data File : VU045406.D
 Acq On : 26 Oct 2021 17:22
 Operator : SY/MD
 Sample : M4360-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 27 04:40:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

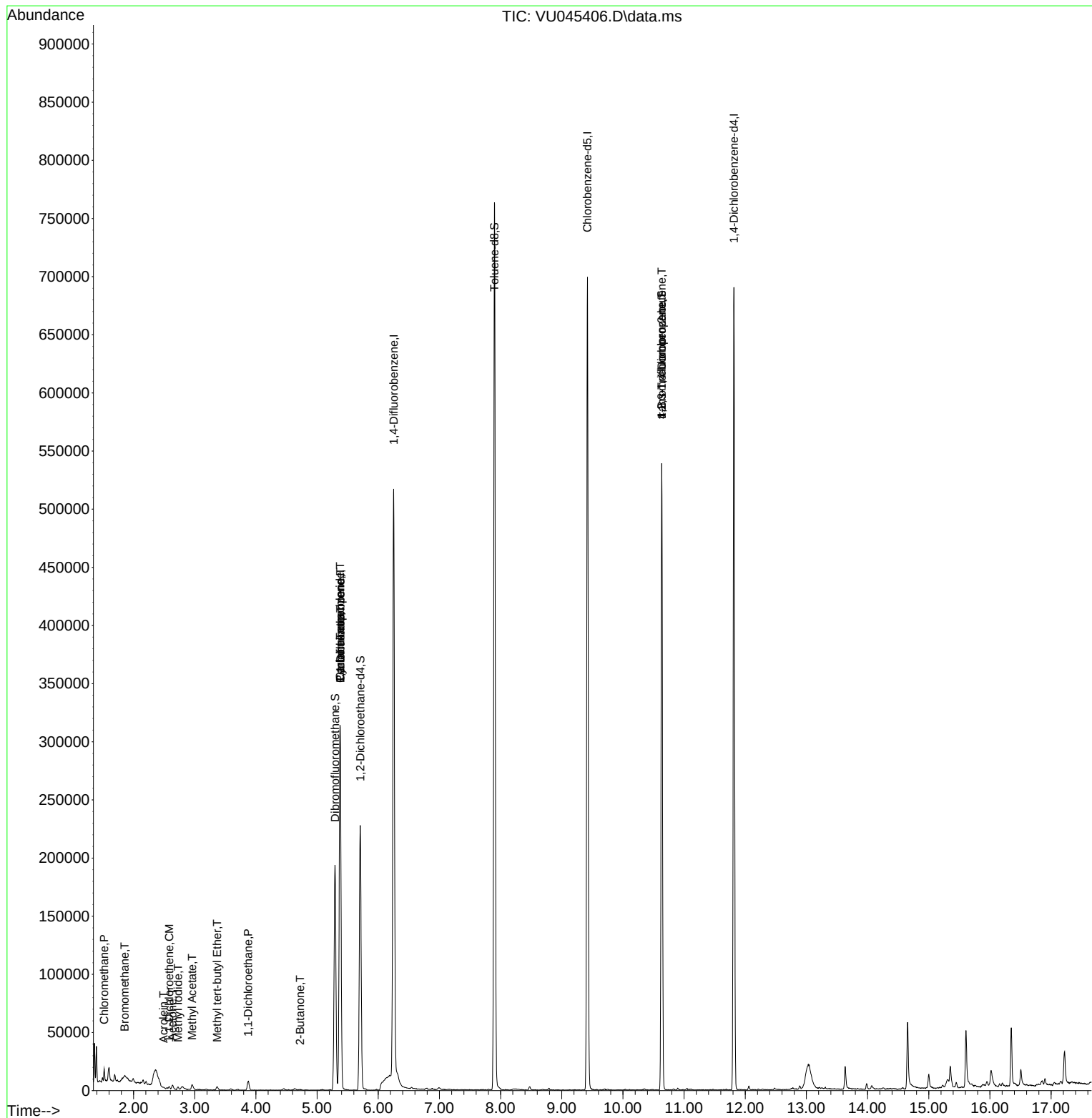
Internal Standards						
1) Pentafluorobenzene	5.378	168	210457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	399478	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	370577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	167559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	172233	49.163	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.320%
35) Dibromofluoromethane	5.295	113	125180	49.674	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.340%
50) Toluene-d8	7.899	98	500874	50.303	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.600%
62) 4-Bromofluorobenzene	10.635	95	182102	44.298	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	6925	2.051	ug/l	93
5) Bromomethane	1.854	94	723	0.547	ug/l	97
10) Methyl Iodide	2.726	142	2582	0.956	ug/l	96
12) 1,1-Dichloroethene	2.581	96	762	0.305	ug/l #	73
13) Acrolein	2.491	56	594	6.117	ug/l	83
16) Acetone	2.636	43	4353	2.093	ug/l	91
18) Methyl Acetate	2.957	43	6319	1.040	ug/l #	69
19) Methyl tert-butyl Ether	3.366	73	2372	0.246	ug/l #	83
24) 1,1-Dichloroethane	3.874	63	8957	1.655	ug/l	93
25) 2-Butanone	4.722	43	848	0.287	ug/l #	48
31) Cyclohexane	5.378	56	5038	0.947	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	18561	4.443	ug/l #	50
38) Carbon Tetrachloride	5.375	117	21882	6.053	ug/l #	15
49) 1,4-Dioxane	6.992	88	1717	Below Cal	#	83
76) 1,2,3-Trichloropropane	10.635	75	93542	19.139	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	93542	53.115	ug/l #	9

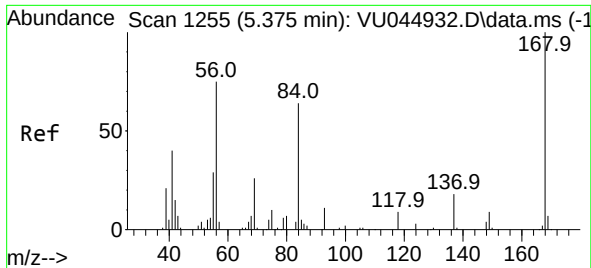
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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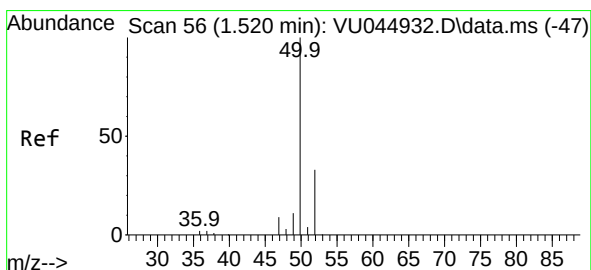
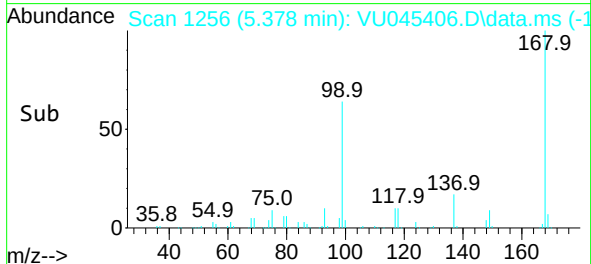
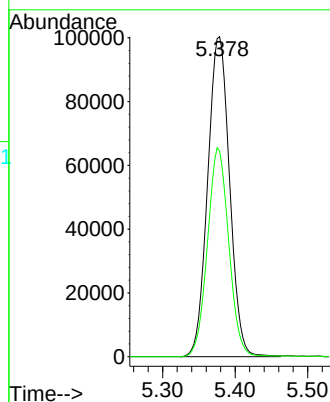
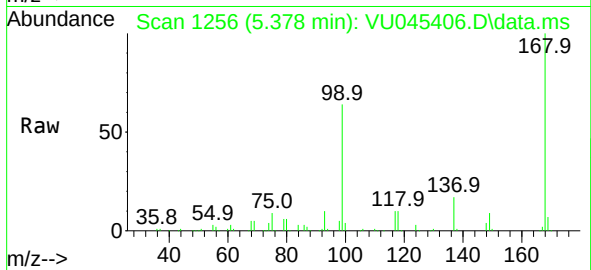




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045406.D
Acq: 26 Oct 2021 17:22

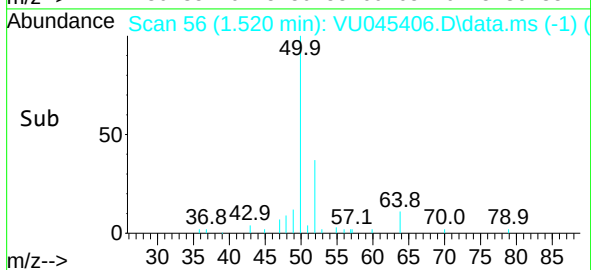
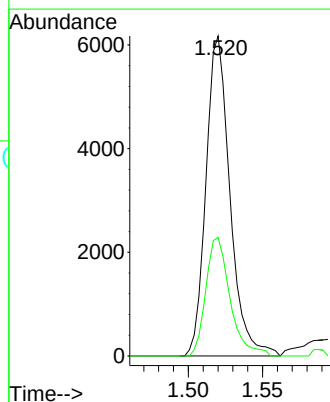
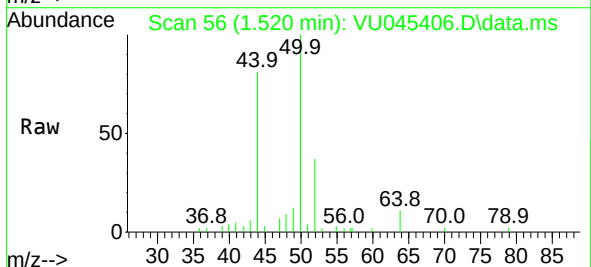
Instrument :
MSVOA_U
ClientSampleId :

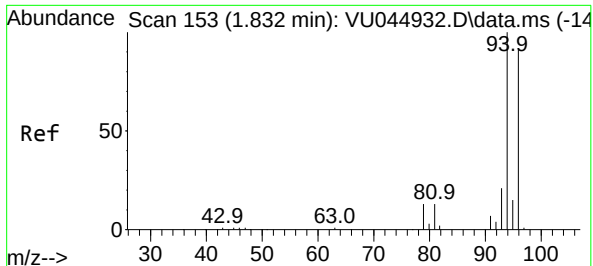
Tgt Ion:168 Resp: 210457
Ion Ratio Lower Upper
168 100
99 64.2 51.4 77.0



#3
Chloromethane
Concen: 2.051 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045406.D
Acq: 26 Oct 2021 17:22

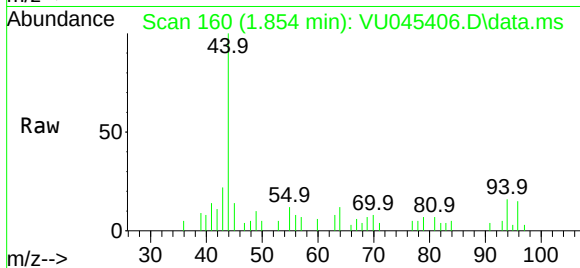
Tgt Ion: 50 Resp: 6925
Ion Ratio Lower Upper
50 100
52 37.1 26.3 39.5



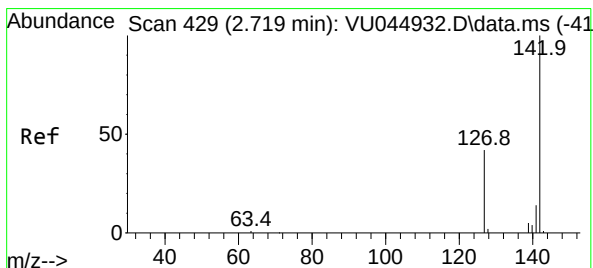
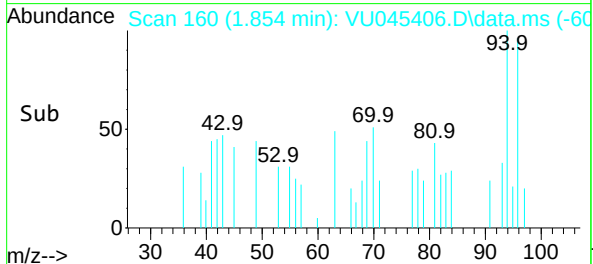
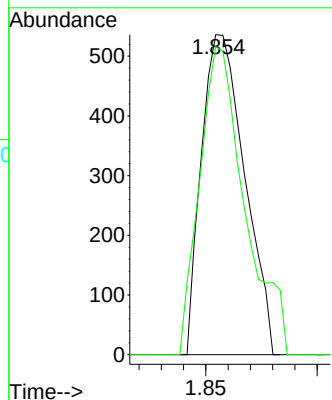


#5
Bromomethane
Concen: 0.547 ug/l
RT: 1.854 min Scan# 1
Delta R.T. 0.022 min
Lab File: VU045406.D
Acq: 26 Oct 2021 17:22

Instrument :
MSVOA_U
ClientSampleId :

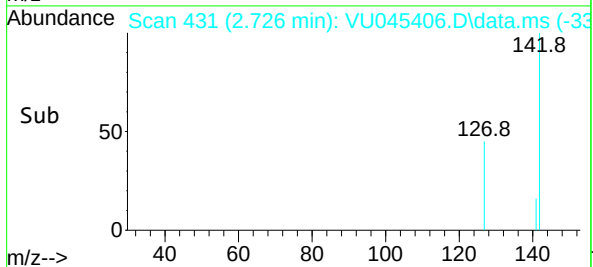
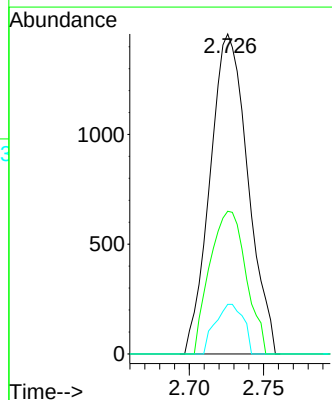
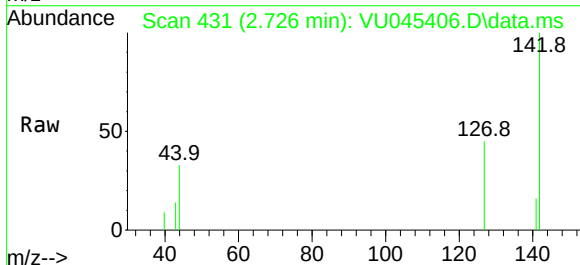


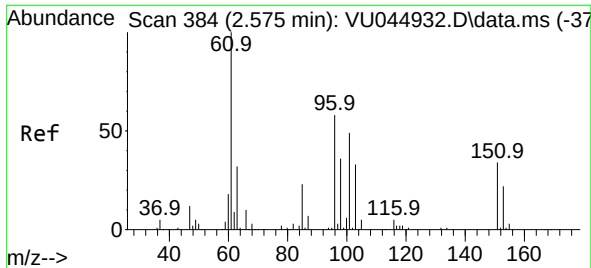
Tgt Ion: 94 Resp: 723
Ion Ratio Lower Upper
94 100
96 96.3 74.5 111.7



#10
Methyl Iodide
Concen: 0.956 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.007 min
Lab File: VU045406.D
Acq: 26 Oct 2021 17:22

Tgt Ion: 142 Resp: 2582
Ion Ratio Lower Upper
142 100
127 42.8 35.6 53.4
141 11.5 11.3 16.9





#12

1,1-Dichloroethene

Concen: 0.305 ug/l

RT: 2.581 min Scan# 31

Delta R.T. 0.006 min

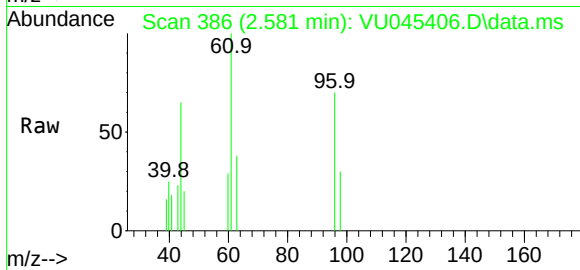
Lab File: VU045406.D

Acq: 26 Oct 2021 17:22

Instrument :

MSVOA_U

ClientSampleId :



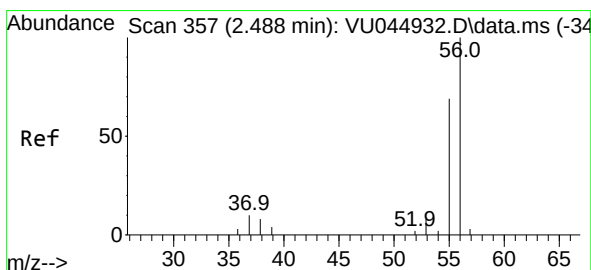
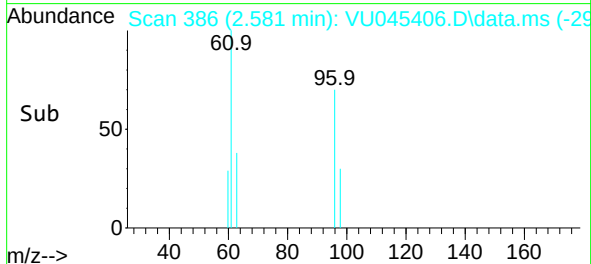
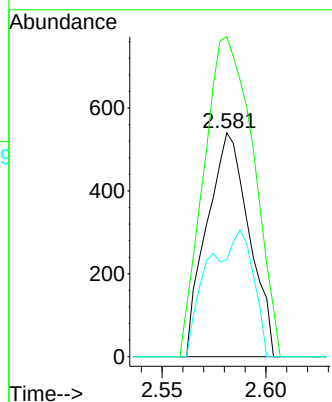
Tgt Ion: 96 Resp: 762

Ion Ratio Lower Upper

96 100

61 143.0 145.4 218.0#

98 43.3 50.9 76.3#



#13

Acrolein

Concen: 6.117 ug/l

RT: 2.491 min Scan# 358

Delta R.T. 0.003 min

Lab File: VU045406.D

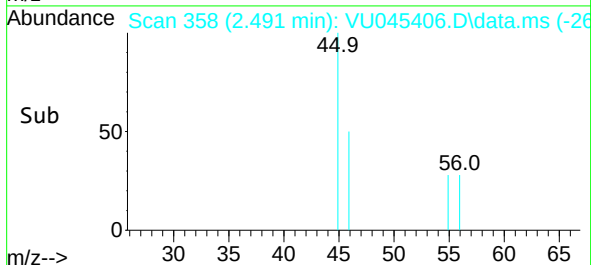
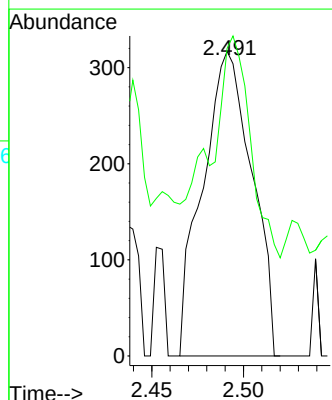
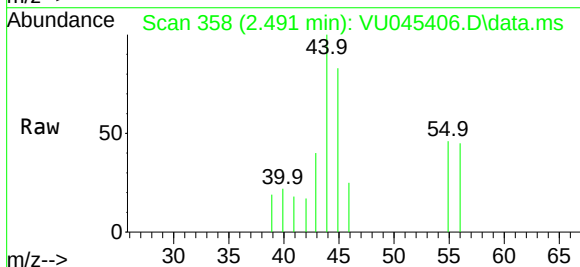
Acq: 26 Oct 2021 17:22

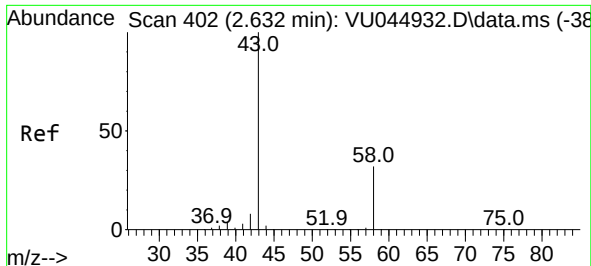
Tgt Ion: 56 Resp: 594

Ion Ratio Lower Upper

56 100

55 57.4 57.4 86.0





#16

Acetone

Concen: 2.093 ug/l

RT: 2.636 min Scan# 40

Delta R.T. 0.004 min

Lab File: VU045406.D

Acq: 26 Oct 2021 17:22

Instrument :

MSVOA_U

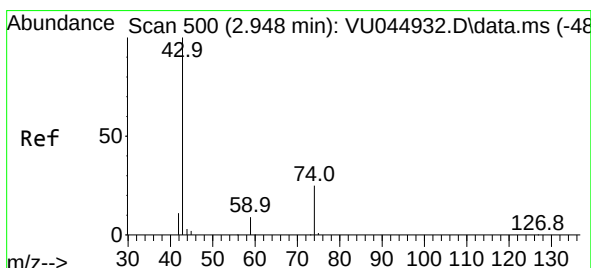
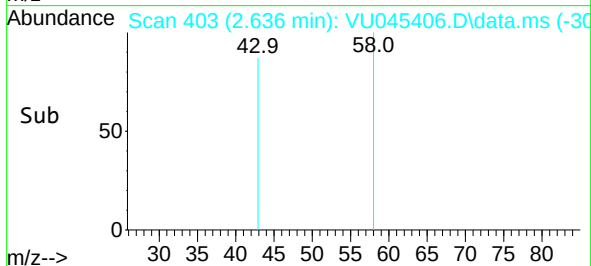
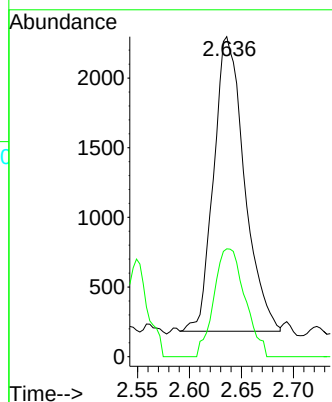
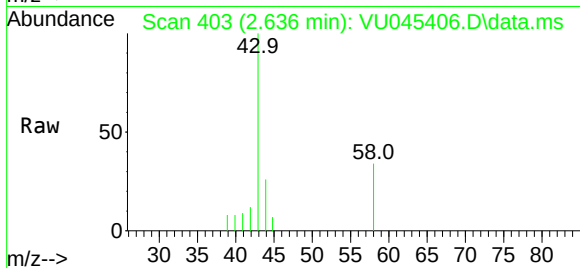
ClientSampleId :

Tgt Ion: 43 Resp: 4353

Ion Ratio Lower Upper

43 100

58 36.6 25.2 37.8



#18

Methyl Acetate

Concen: 1.040 ug/l

RT: 2.957 min Scan# 503

Delta R.T. 0.009 min

Lab File: VU045406.D

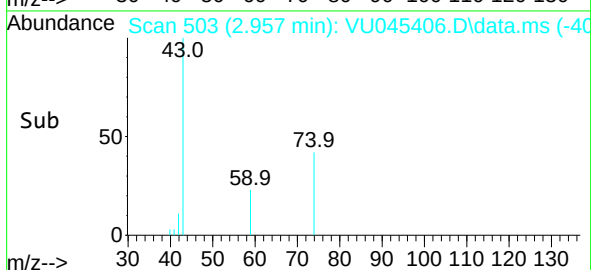
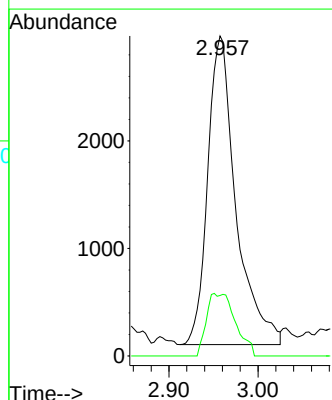
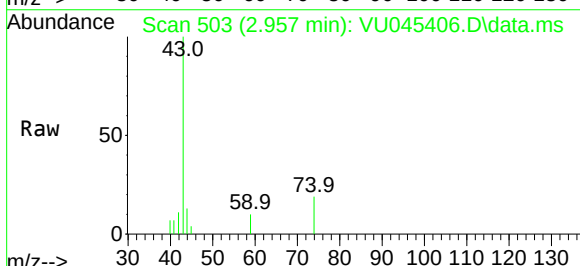
Acq: 26 Oct 2021 17:22

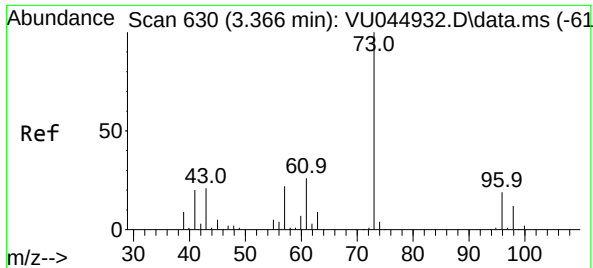
Tgt Ion: 43 Resp: 6319

Ion Ratio Lower Upper

43 100

74 8.4 19.0 28.6#





#19

Methyl tert-butyl Ether

Concen: 0.246 ug/l

RT: 3.366 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU045406.D

Acq: 26 Oct 2021 17:22

Instrument :

MSVOA_U

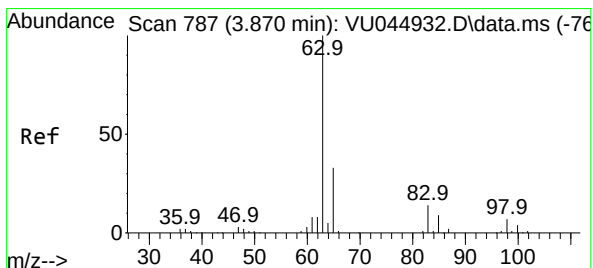
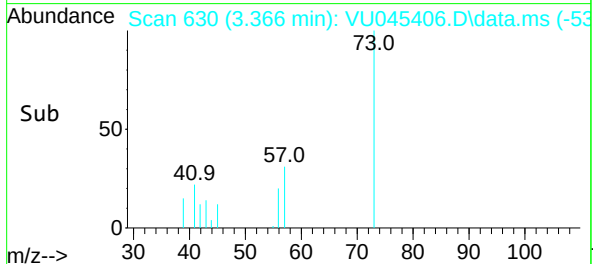
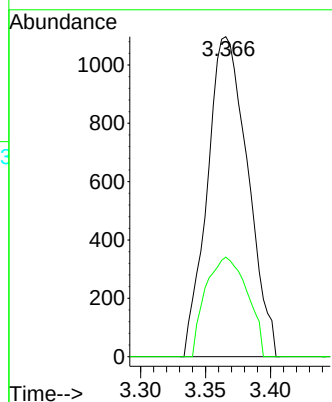
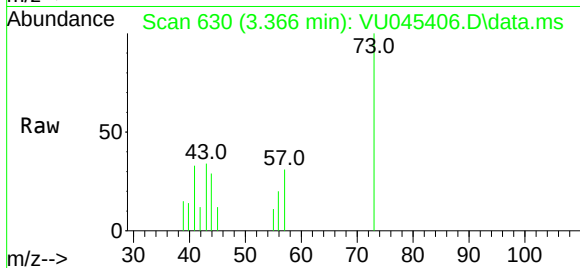
ClientSampleId :

Tgt Ion: 73 Resp: 2372

Ion Ratio Lower Upper

73 100

57 31.1 18.2 27.2#



#24

1,1-Dichloroethane

Concen: 1.655 ug/l

RT: 3.874 min Scan# 788

Delta R.T. 0.004 min

Lab File: VU045406.D

Acq: 26 Oct 2021 17:22

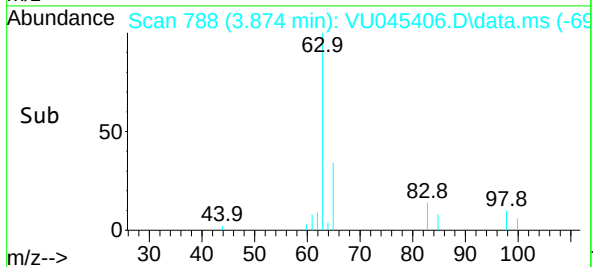
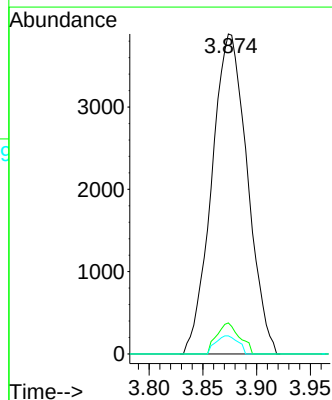
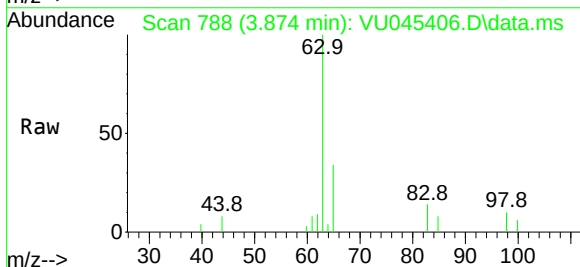
Tgt Ion: 63 Resp: 8957

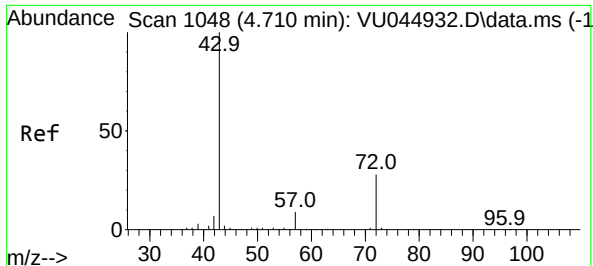
Ion Ratio Lower Upper

63 100

98 9.7 3.5 10.4

100 5.6 2.1 6.3





#25

2-Butanone

Concen: 0.287 ug/l

RT: 4.722 min Scan# 1052

Delta R.T. 0.012 min

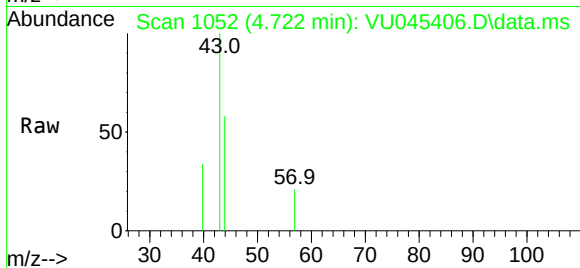
Lab File: VU045406.D

Acq: 26 Oct 2021 17:22

Instrument :

MSVOA_U

ClientSampleId :

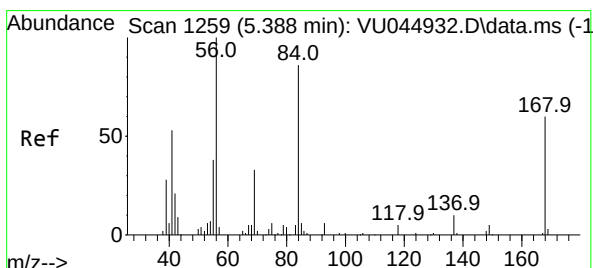
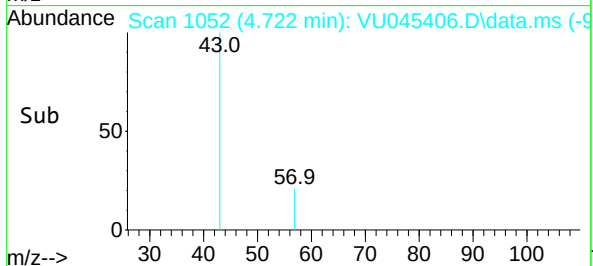
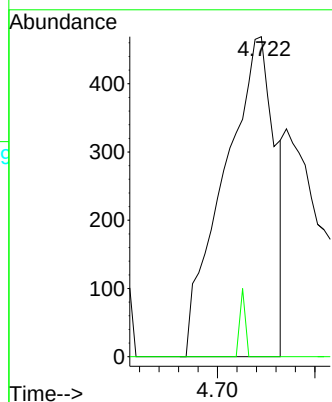


Tgt Ion: 43 Resp: 848

Ion Ratio Lower Upper

43 100

72 0.0 21.3 31.9#



#31

Cyclohexane

Concen: 0.947 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.010 min

Lab File: VU045406.D

Acq: 26 Oct 2021 17:22

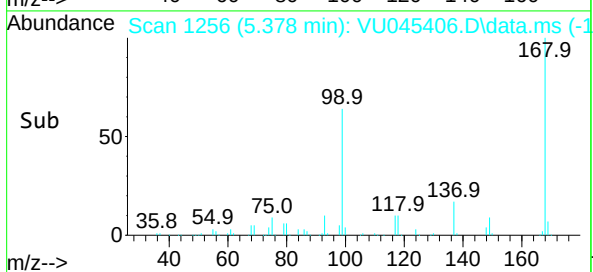
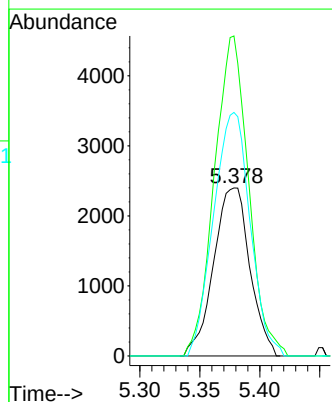
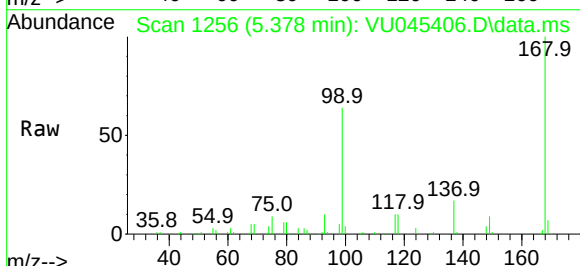
Tgt Ion: 56 Resp: 5038

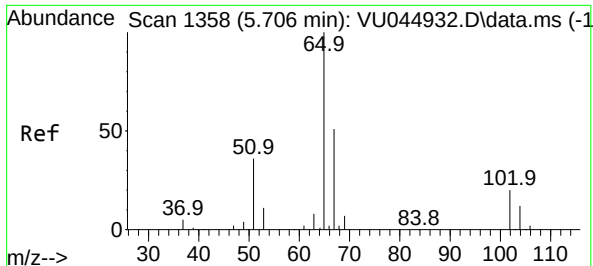
Ion Ratio Lower Upper

56 100

69 190.5 25.2 37.8#

84 145.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 49.163 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045406.D

Acq: 26 Oct 2021 17:22

Instrument :

MSVOA_U

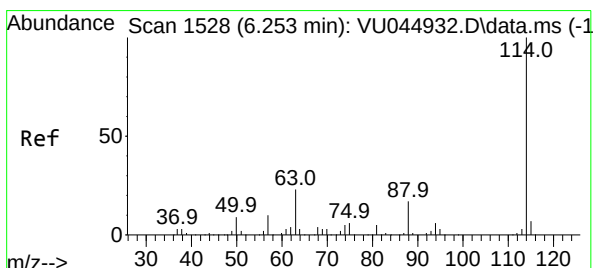
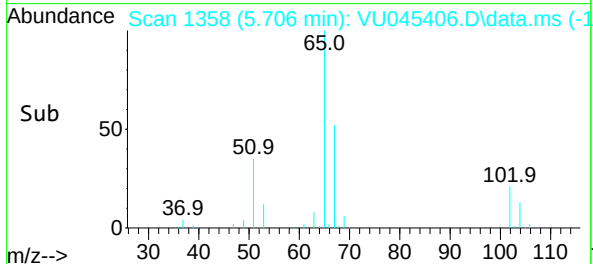
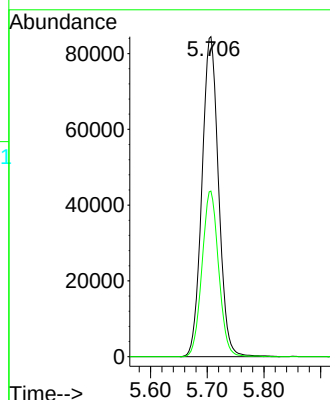
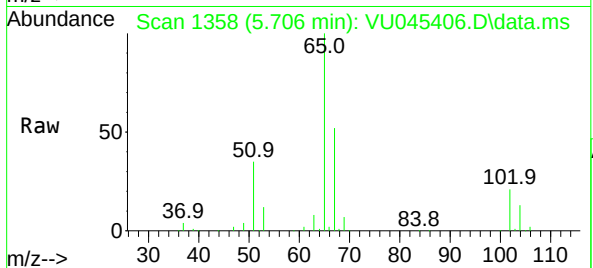
ClientSampleId :

Tgt Ion: 65 Resp: 172233

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU045406.D

Acq: 26 Oct 2021 17:22

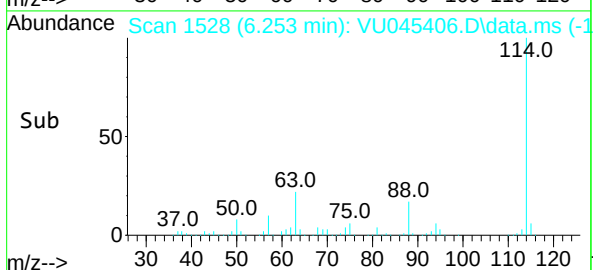
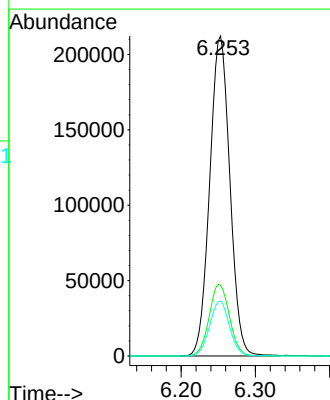
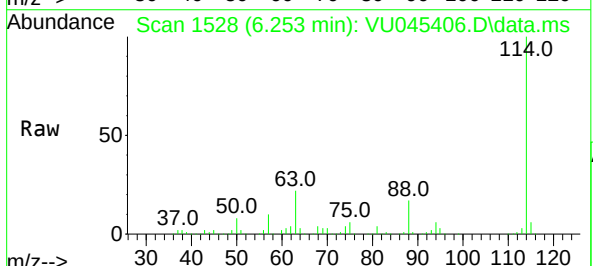
Tgt Ion: 114 Resp: 399478

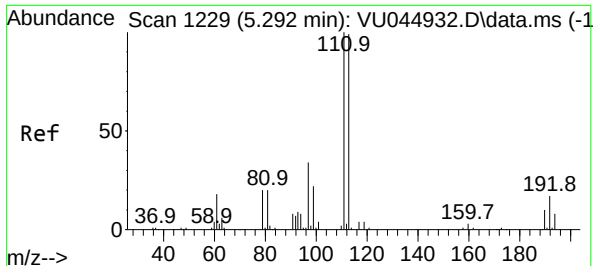
Ion Ratio Lower Upper

114 100

63 22.1 0.0 47.8

88 17.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.674 ug/l

RT: 5.295 min Scan# 11

Delta R.T. 0.003 min

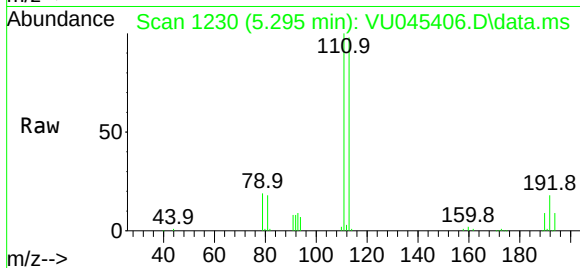
Lab File: VU045406.D

Acq: 26 Oct 2021 17:22

Instrument :

MSVOA_U

ClientSampleId :



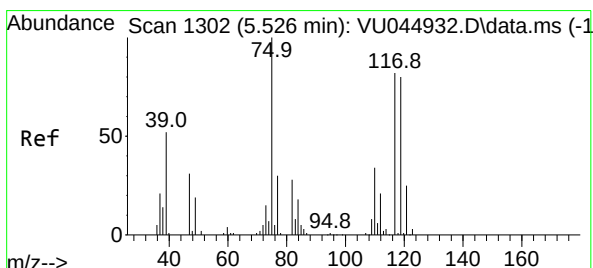
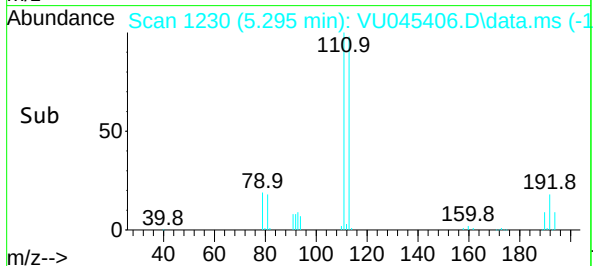
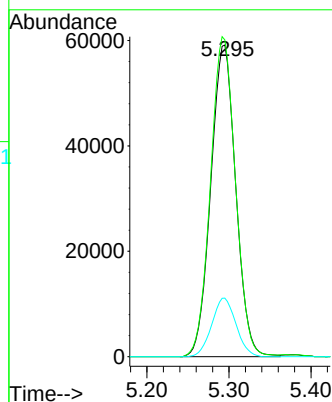
Tgt Ion:113 Resp: 125180

Ion Ratio Lower Upper

113 100

111 102.7 84.1 126.1

192 18.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.443 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.148 min

Lab File: VU045406.D

Acq: 26 Oct 2021 17:22

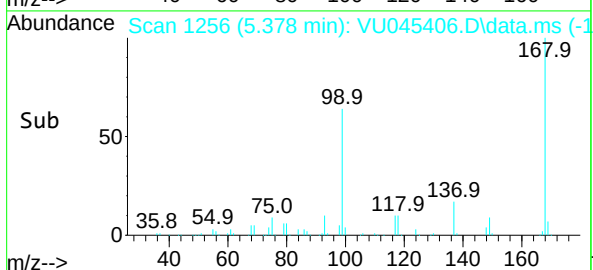
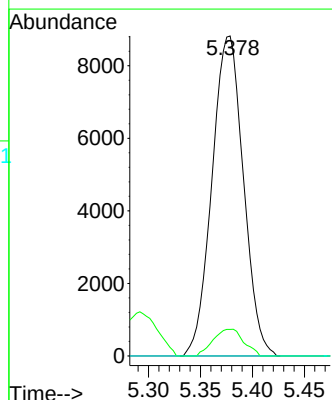
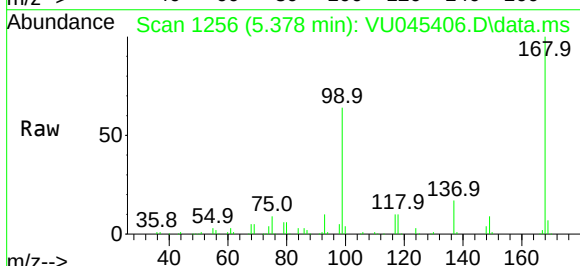
Tgt Ion: 75 Resp: 18561

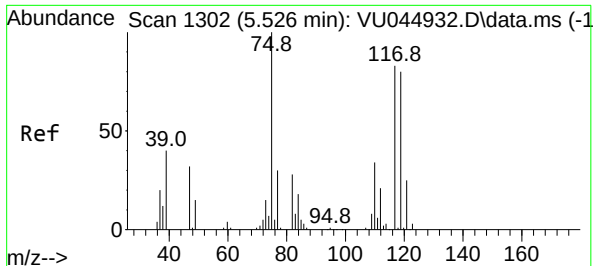
Ion Ratio Lower Upper

75 100

110 8.1 16.3 48.9#

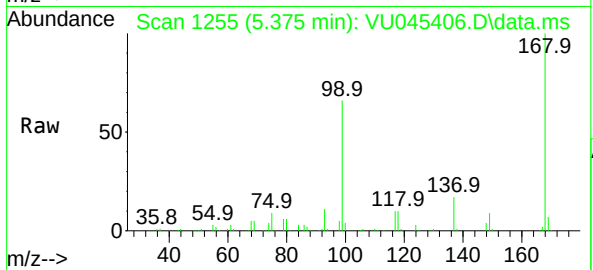
77 0.0 25.0 37.4#



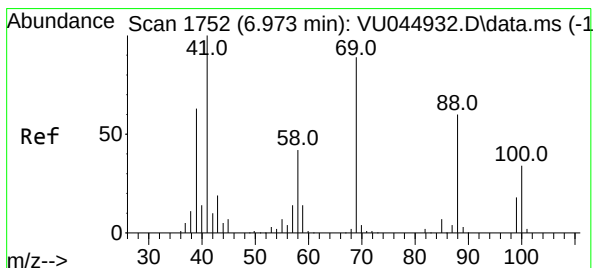
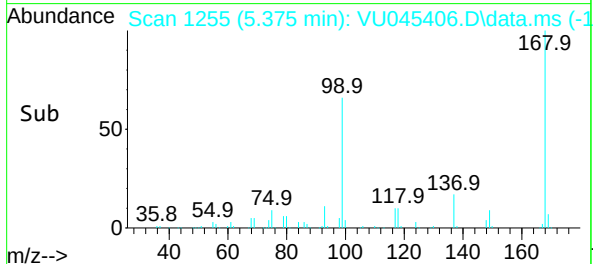
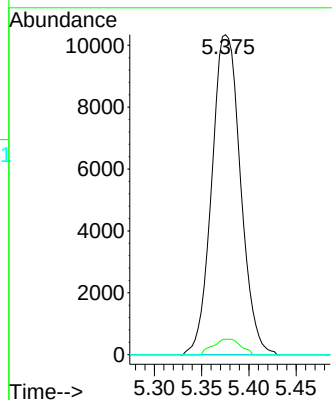


#38
Carbon Tetrachloride
Concen: 6.053 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU045406.D
Acq: 26 Oct 2021 17:22

Instrument :
MSVOA_U
ClientSampleId :

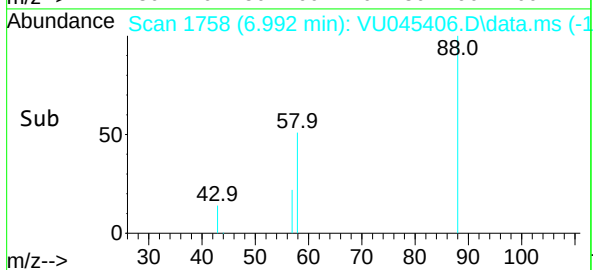
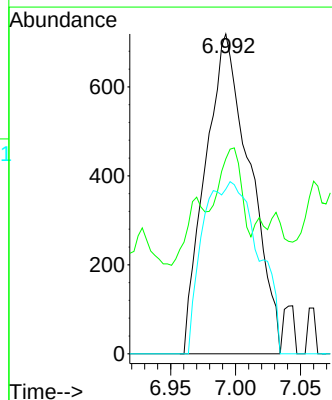
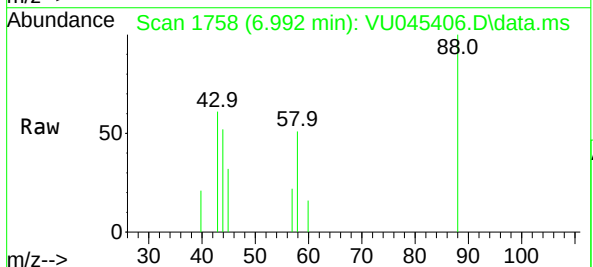


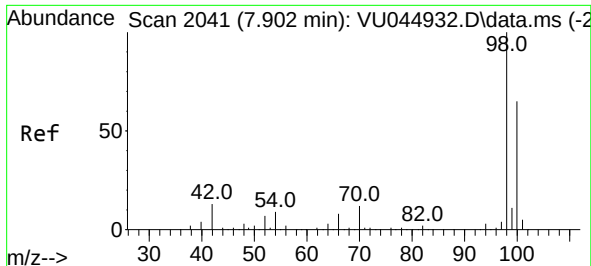
Tgt Ion:117 Resp: 21882
Ion Ratio Lower Upper
117 100
119 4.8 77.4 116.2#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: Below Cal
RT: 6.992 min Scan# 1758
Delta R.T. 0.019 min
Lab File: VU045406.D
Acq: 26 Oct 2021 17:22

Tgt Ion: 88 Resp: 1717
Ion Ratio Lower Upper
88 100
43 13.8 25.8 38.6#
58 67.2 61.3 91.9

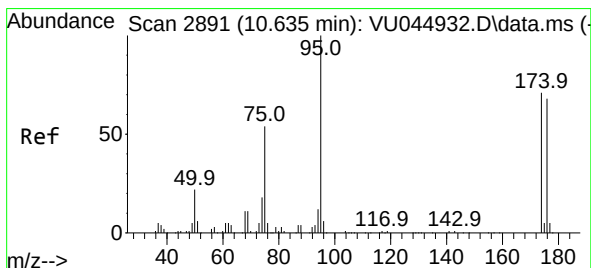
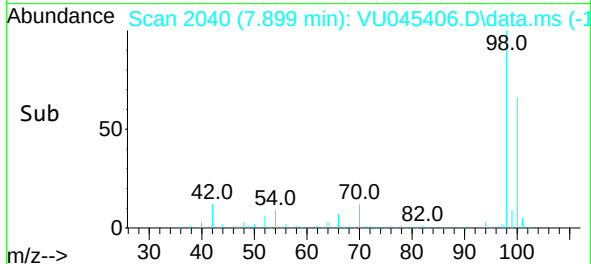
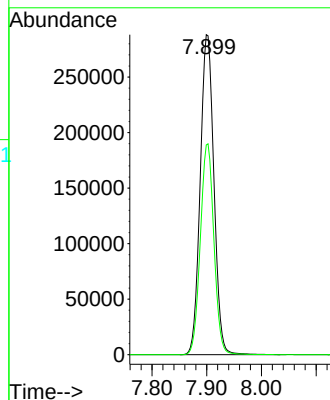
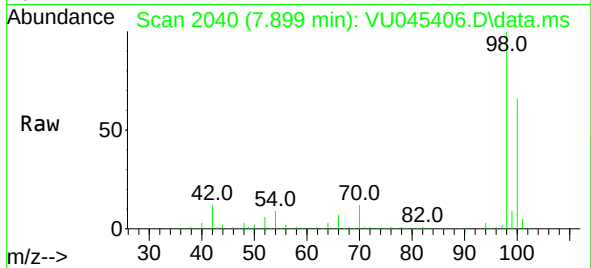




#50
Toluene-d8
Concen: 50.303 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045406.D
Acq: 26 Oct 2021 17:22

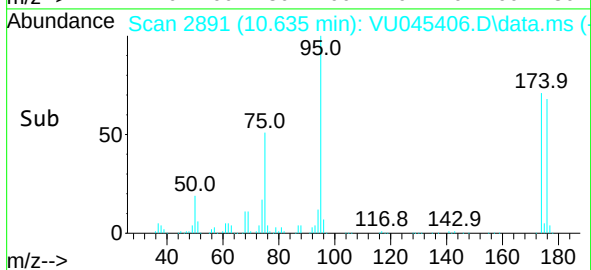
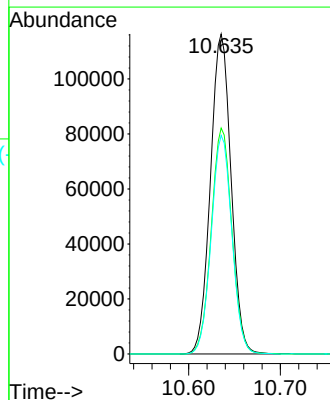
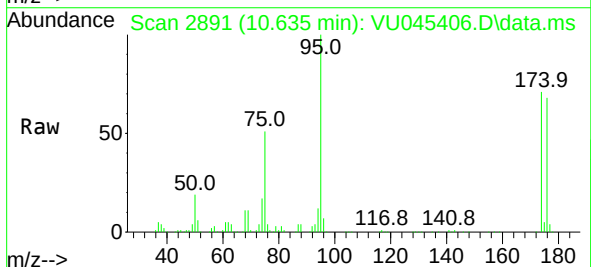
Instrument :
MSVOA_U
ClientSampleId :

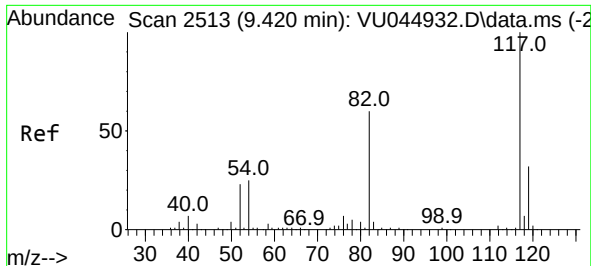
Tgt Ion: 98 Resp: 500874
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 44.298 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045406.D
Acq: 26 Oct 2021 17:22

Tgt Ion: 95 Resp: 182102
Ion Ratio Lower Upper
95 100
174 70.8 0.0 146.6
176 68.2 0.0 141.2

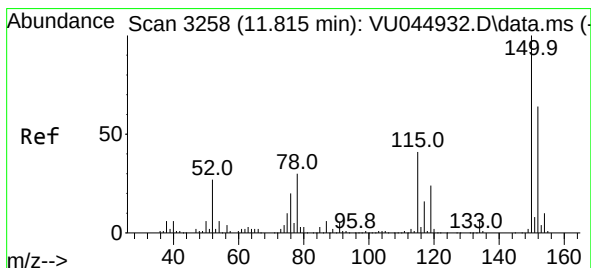
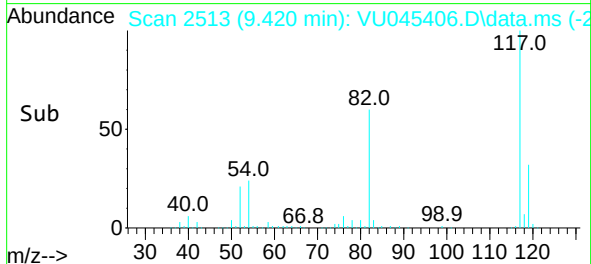
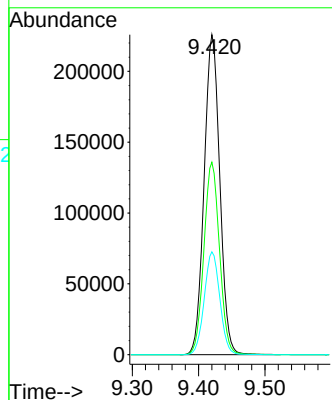
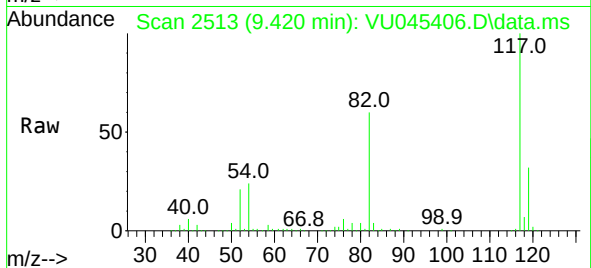




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045406.D
Acq: 26 Oct 2021 17:22

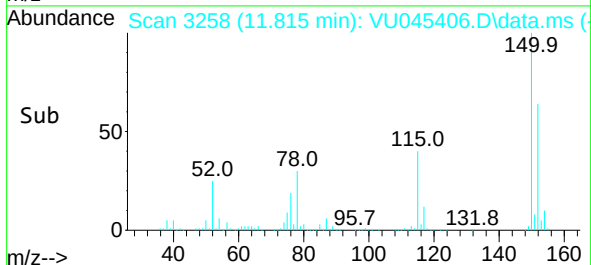
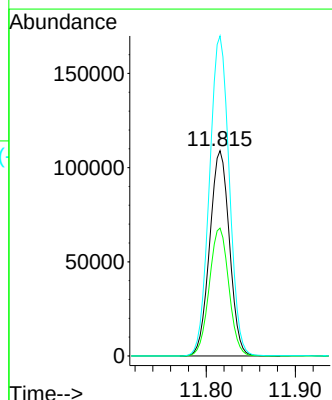
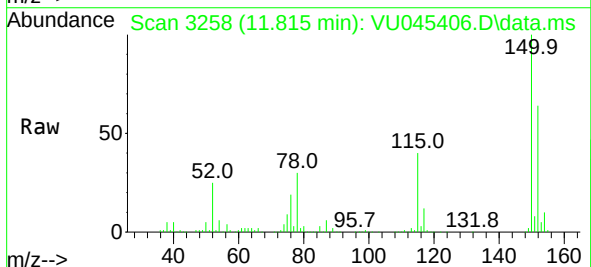
Instrument :
MSVOA_U
ClientSampleId :

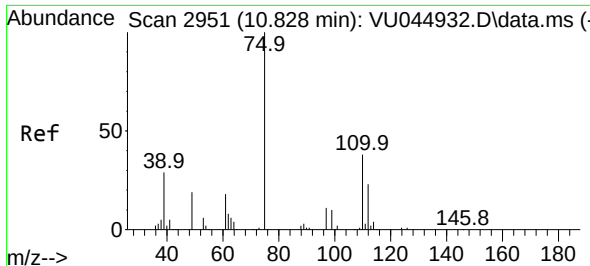
Tgt Ion:117 Resp: 370577
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU045406.D
Acq: 26 Oct 2021 17:22

Tgt Ion:152 Resp: 167559
Ion Ratio Lower Upper
152 100
115 61.7 43.5 130.7
150 156.4 0.0 350.0

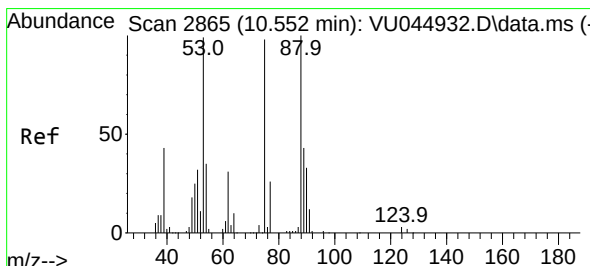
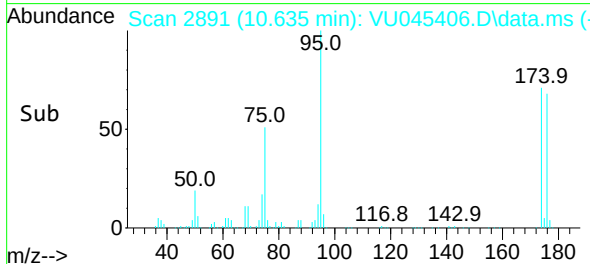
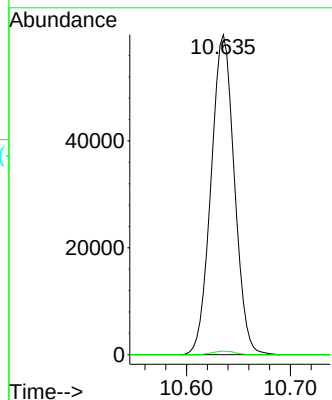
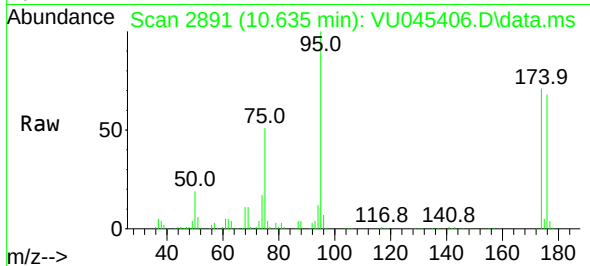




#76
1,2,3-Trichloropropane
Concen: 19.139 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045406.D
Acq: 26 Oct 2021 17:22

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 93542
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.115 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU045406.D
Acq: 26 Oct 2021 17:22

Tgt Ion: 75 Resp: 93542
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

