

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102621\
 Data File : VU045408.D
 Acq On : 26 Oct 2021 18:09
 Operator : SY/MD
 Sample : M4360-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 27 04:41:10 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)

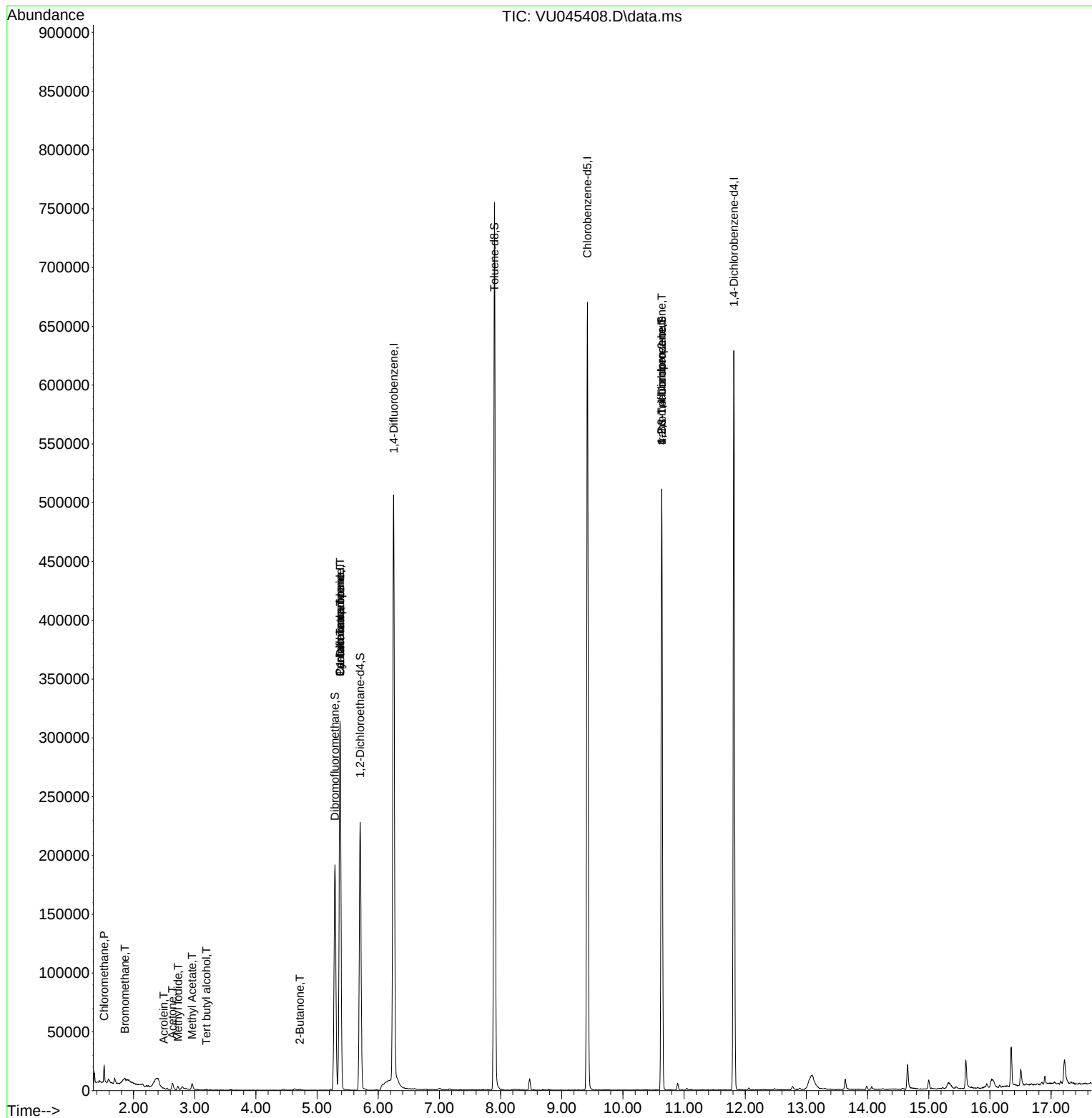
Internal Standards						
1) Pentafluorobenzene	5.375	168	208264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	392736	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	359910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	153336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	169075	48.770	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.540%
35) Dibromofluoromethane	5.292	113	124872	50.402	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.800%
50) Toluene-d8	7.899	98	491556	50.215	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.420%
62) 4-Bromofluorobenzene	10.636	95	172829	42.764	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.520%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	10098	3.023	ug/l	99
5) Bromomethane	1.858	94	923	0.705	ug/l	86
10) Methyl Iodide	2.726	142	3084	1.153	ug/l	94
11) Tert butyl alcohol	3.189	59	612	0.615	ug/l #	72
13) Acrolein	2.494	56	391	5.115	ug/l #	75
16) Acetone	2.636	43	6967	3.386	ug/l	98
18) Methyl Acetate	2.957	43	7049	1.172	ug/l	98
25) 2-Butanone	4.719	43	1719	0.588	ug/l #	78
31) Cyclohexane	5.375	56	5184	0.984	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19356	4.713	ug/l #	49
38) Carbon Tetrachloride	5.375	117	21667	6.097	ug/l #	15
49) 1,4-Dioxane	7.005	88	1378	Below Cal	#	53
76) 1,2,3-Trichloropropane	10.636	75	90723	20.284	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	90723	56.293	ug/l #	9

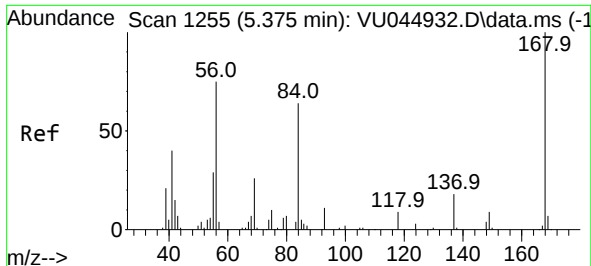
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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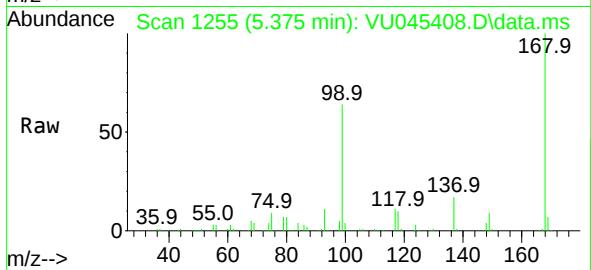
Quant Time: Oct 27 04:41:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
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QLast Update : Tue Sep 28 12:32:13 2021
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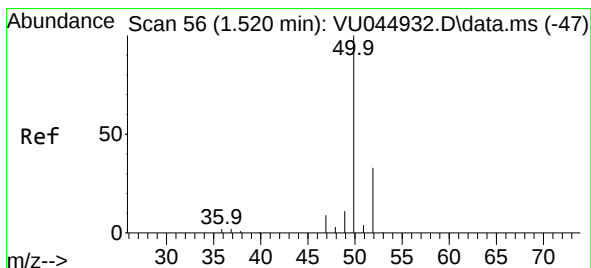
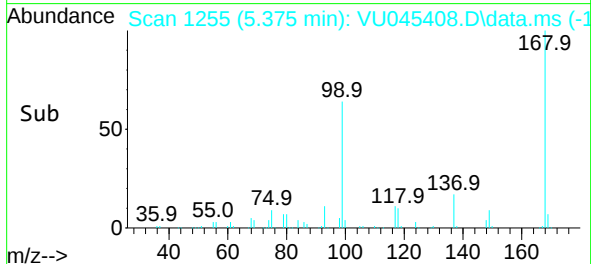
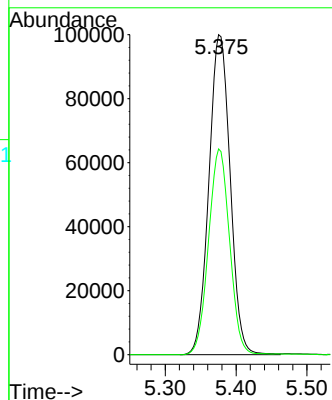


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

Instrument :
MSVOA_U
ClientSampleId :

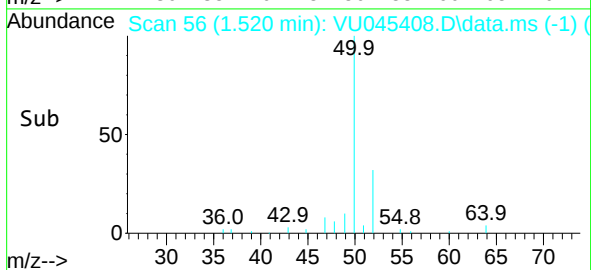
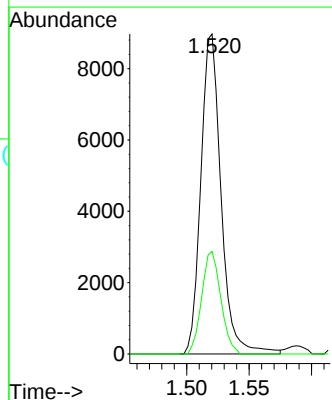
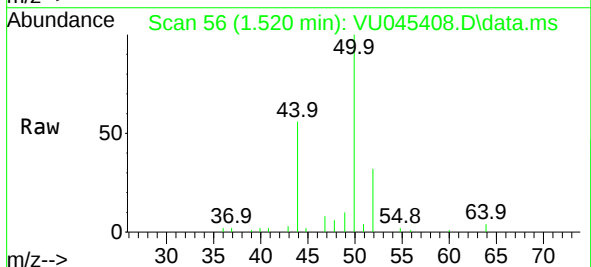


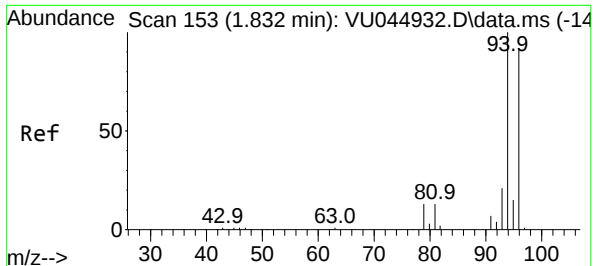
Tgt Ion:168 Resp: 208264
Ion Ratio Lower Upper
168 100
99 64.3 51.4 77.0



#3
Chloromethane
Concen: 3.023 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

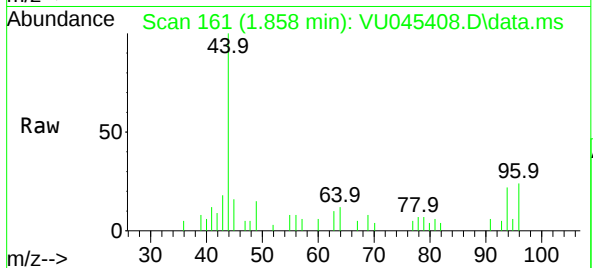
Tgt Ion: 50 Resp: 10098
Ion Ratio Lower Upper
50 100
52 32.1 26.3 39.5



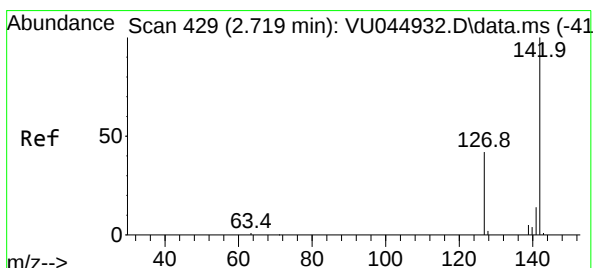
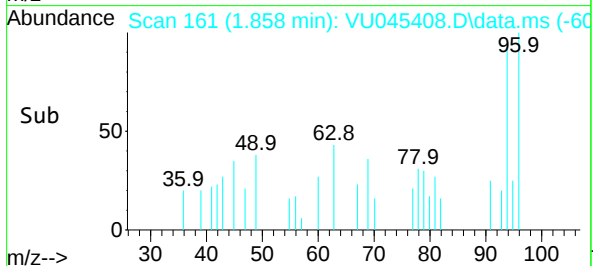
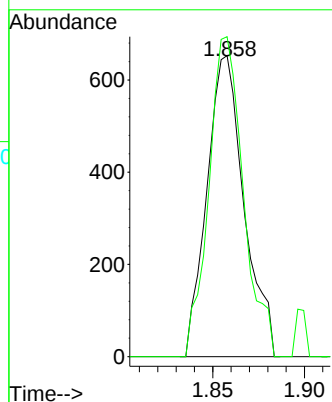


#5
Bromomethane
Concen: 0.705 ug/l
RT: 1.858 min Scan# 1
Delta R.T. 0.026 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

Instrument :
MSVOA_U
ClientSampleId :

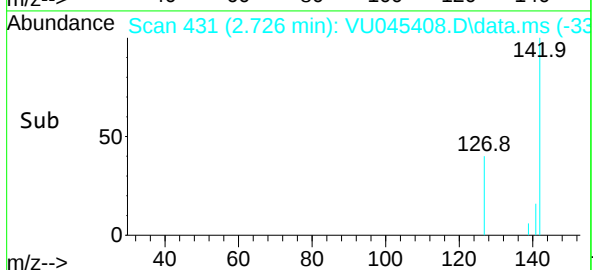
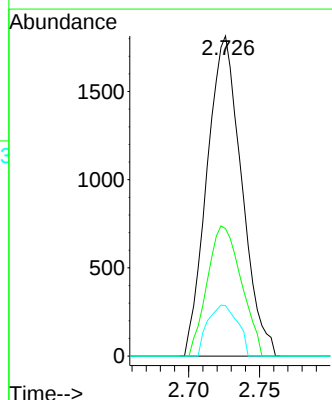
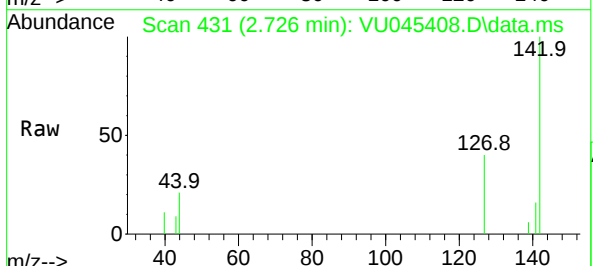


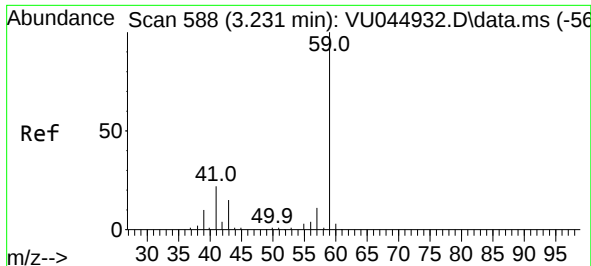
Tgt Ion: 94 Resp: 923
Ion Ratio Lower Upper
94 100
96 106.3 74.5 111.7



#10
Methyl Iodide
Concen: 1.153 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.007 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

Tgt Ion: 142 Resp: 3084
Ion Ratio Lower Upper
142 100
127 39.9 35.6 53.4
141 13.6 11.3 16.9

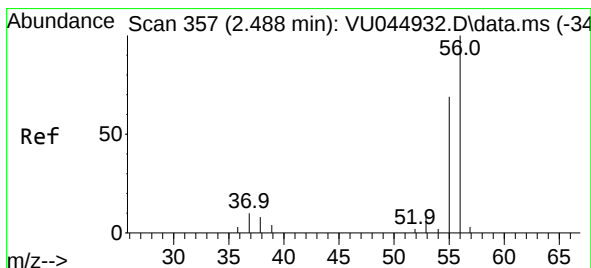
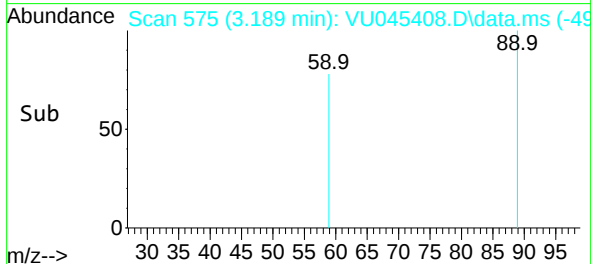
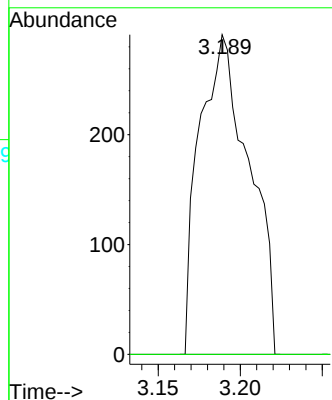
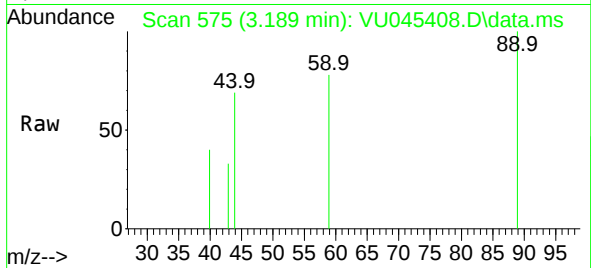




#11
Tert butyl alcohol
Concen: 0.615 ug/l
RT: 3.189 min Scan# 511
Delta R.T. -0.042 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

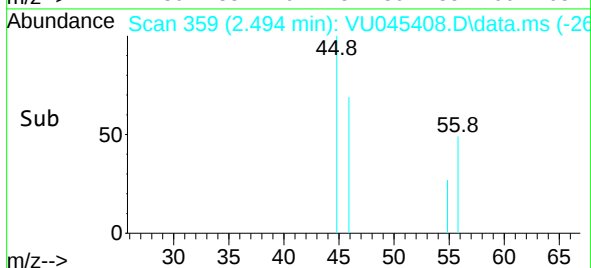
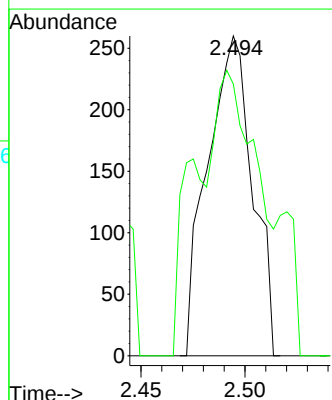
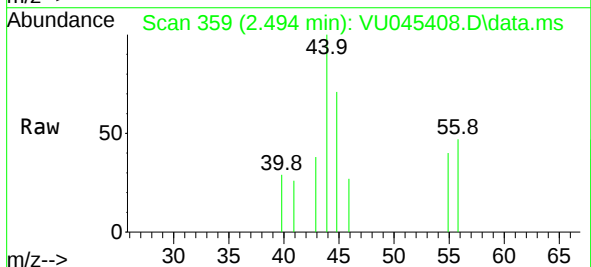
Instrument :
MSVOA_U
ClientSampleId :

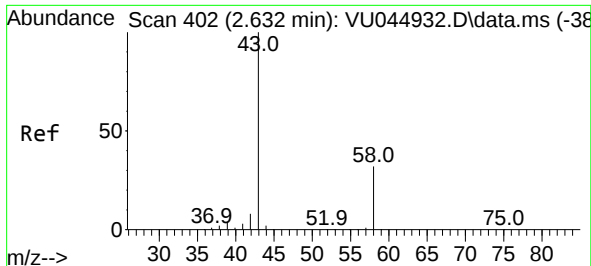
Tgt Ion: 59 Resp: 612
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 5.115 ug/l
RT: 2.494 min Scan# 359
Delta R.T. 0.006 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

Tgt Ion: 56 Resp: 391
Ion Ratio Lower Upper
56 100
55 50.9 57.4 86.0#

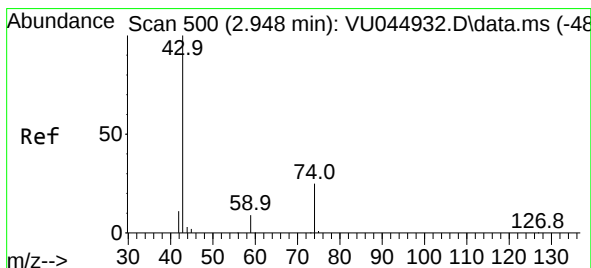
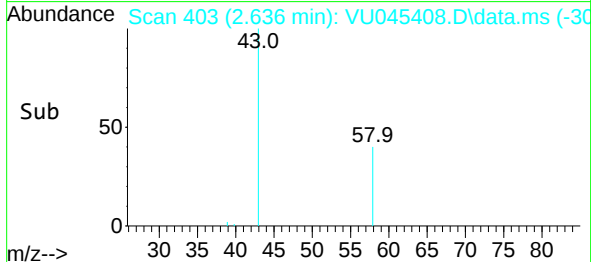
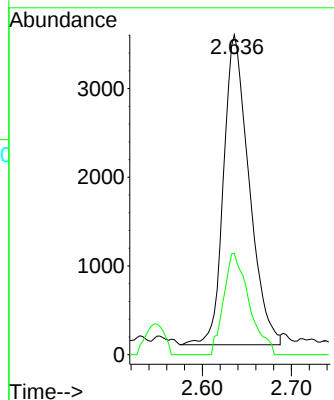
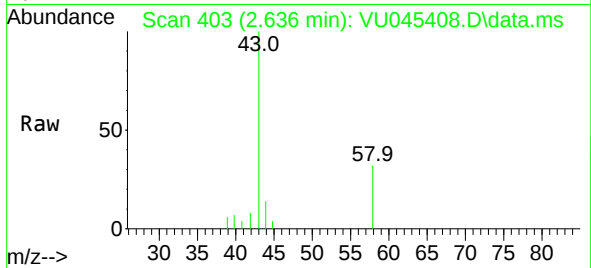




#16
Acetone
Concen: 3.386 ug/l
RT: 2.636 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

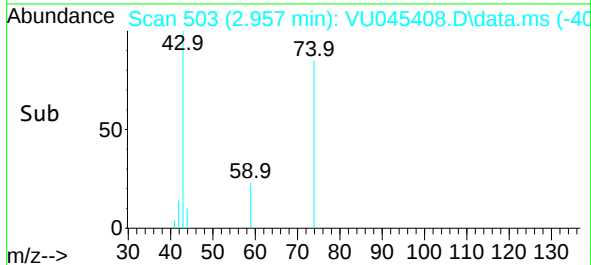
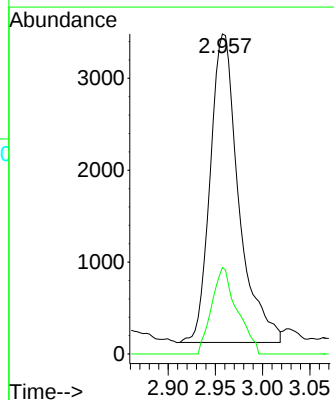
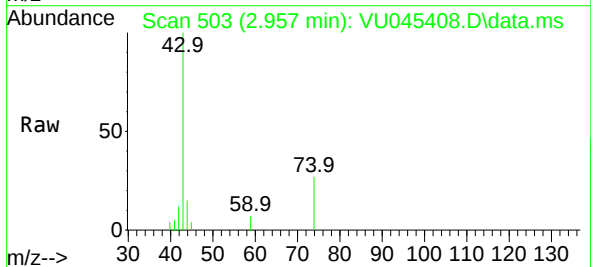
Instrument :
MSVOA_U
ClientSampleId :

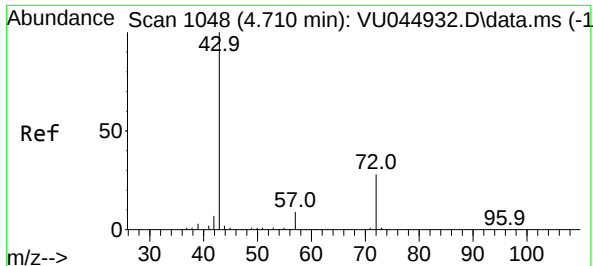
Tgt Ion: 43 Resp: 6967
Ion Ratio Lower Upper
43 100
58 32.7 25.2 37.8



#18
Methyl Acetate
Concen: 1.172 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

Tgt Ion: 43 Resp: 7049
Ion Ratio Lower Upper
43 100
74 24.9 19.0 28.6





#25

2-Butanone

Concen: 0.588 ug/l

RT: 4.719 min Scan# 1051

Delta R.T. 0.009 min

Lab File: VU045408.D

Acq: 26 Oct 2021 18:09

Instrument :

MSVOA_U

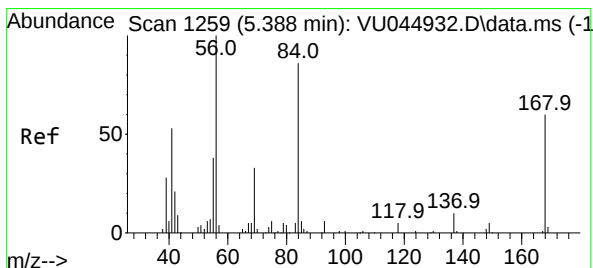
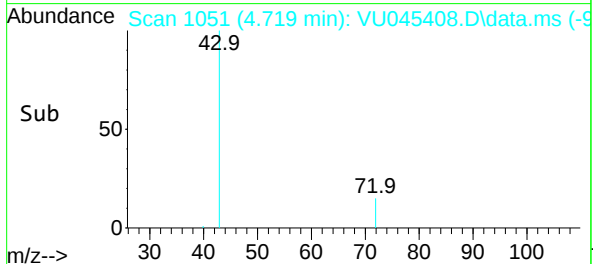
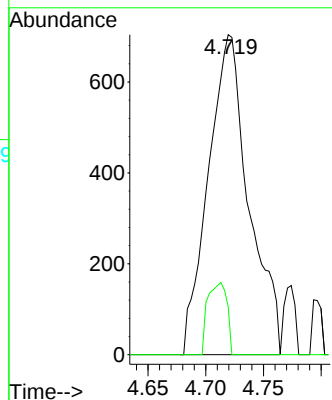
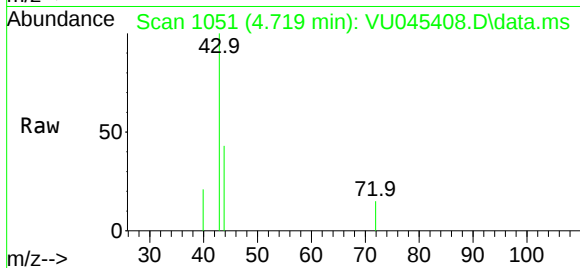
ClientSampleId :

Tgt Ion: 43 Resp: 1719

Ion Ratio Lower Upper

43 100

72 15.1 21.3 31.9#



#31

Cyclohexane

Concen: 0.984 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.013 min

Lab File: VU045408.D

Acq: 26 Oct 2021 18:09

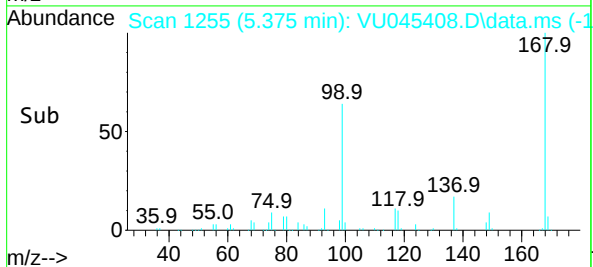
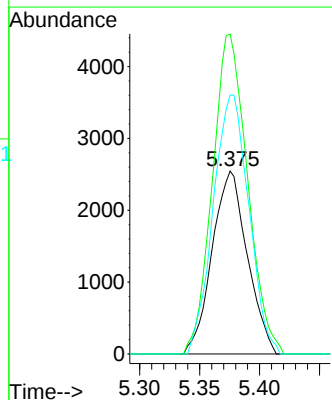
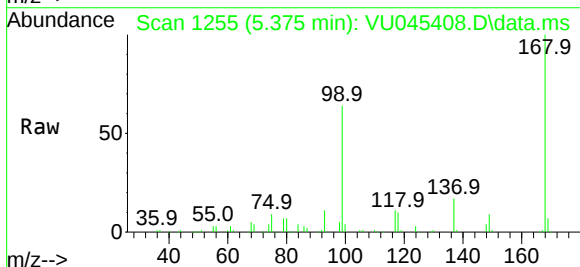
Tgt Ion: 56 Resp: 5184

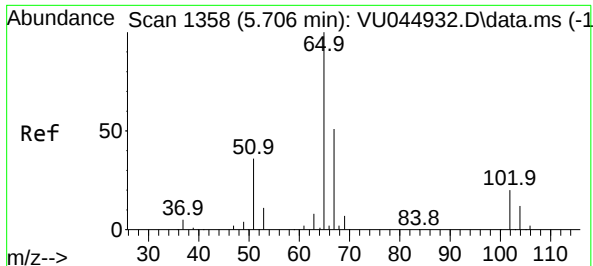
Ion Ratio Lower Upper

56 100

69 175.0 25.2 37.8#

84 141.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.770 ug/l

RT: 5.703 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU045408.D

Acq: 26 Oct 2021 18:09

Instrument :

MSVOA_U

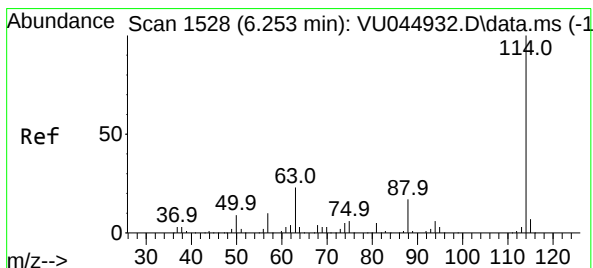
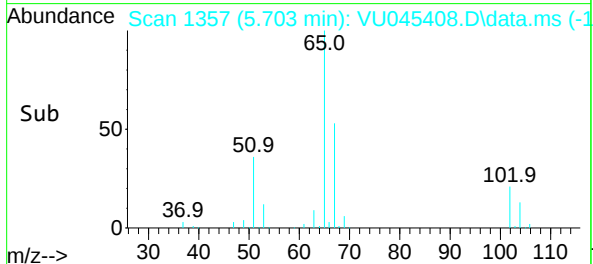
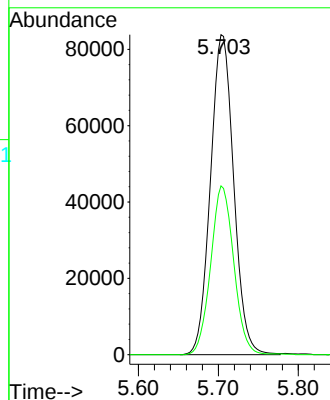
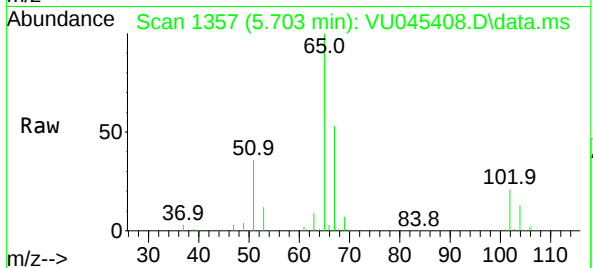
ClientSampleId :

Tgt Ion: 65 Resp: 169075

Ion Ratio Lower Upper

65 100

67 52.3 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: VU045408.D

Acq: 26 Oct 2021 18:09

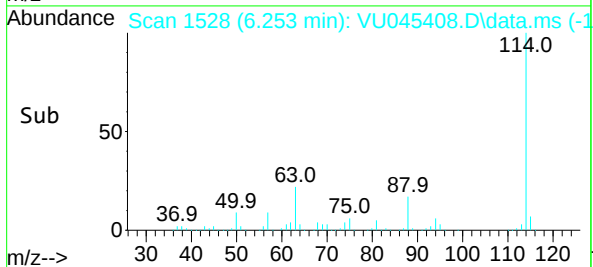
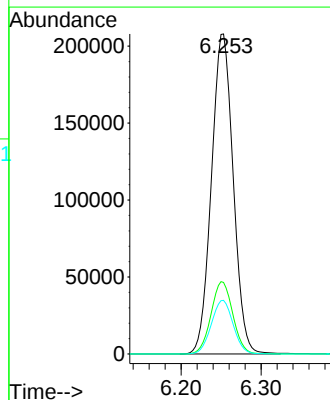
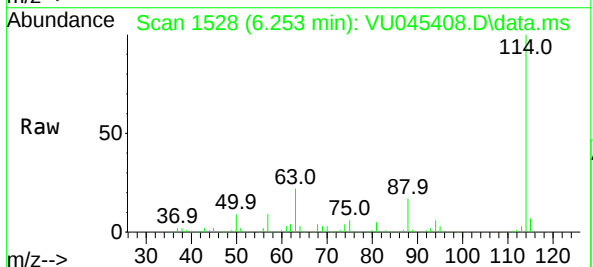
Tgt Ion: 114 Resp: 392736

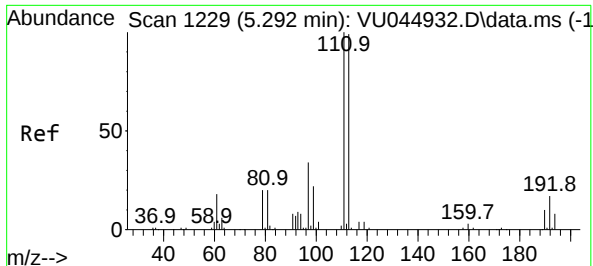
Ion Ratio Lower Upper

114 100

63 22.3 0.0 47.8

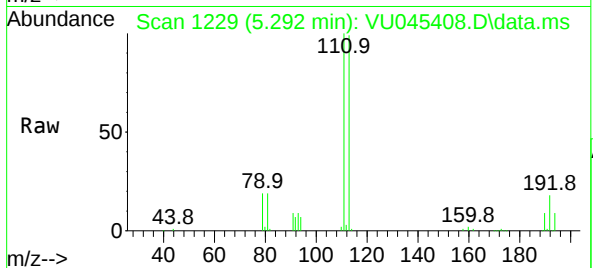
88 16.7 0.0 32.8



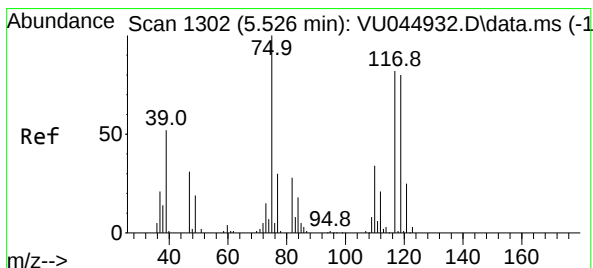
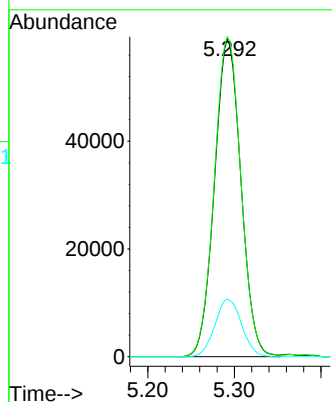
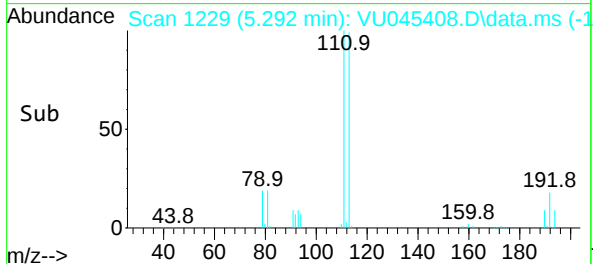


#35
Dibromofluoromethane
Concen: 50.402 ug/l
RT: 5.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

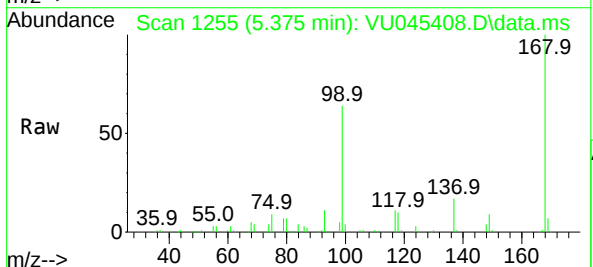
Instrument :
MSVOA_U
ClientSampleId :



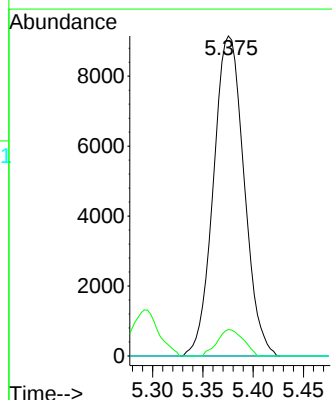
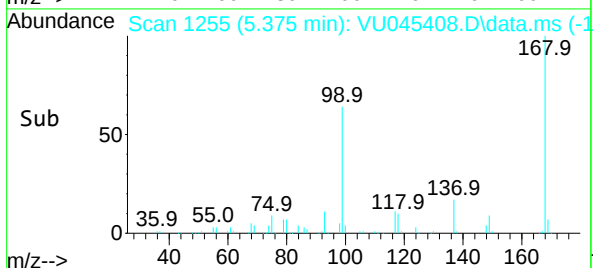
Tgt Ion:113 Resp: 124872
Ion Ratio Lower Upper
113 100
111 101.6 84.1 126.1
192 18.3 14.8 22.2

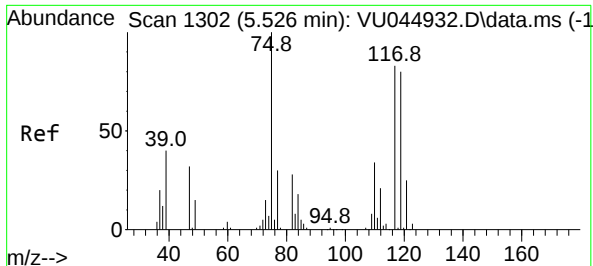


#36
1,1-Dichloropropene
Concen: 4.713 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09



Tgt Ion: 75 Resp: 19356
Ion Ratio Lower Upper
75 100
110 7.0 16.3 48.9#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.097 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.151 min

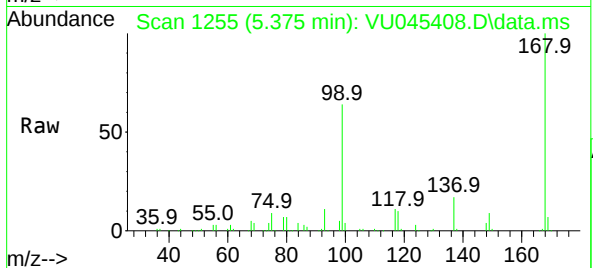
Lab File: VU045408.D

Acq: 26 Oct 2021 18:09

Instrument :

MSVOA_U

ClientSampleId :



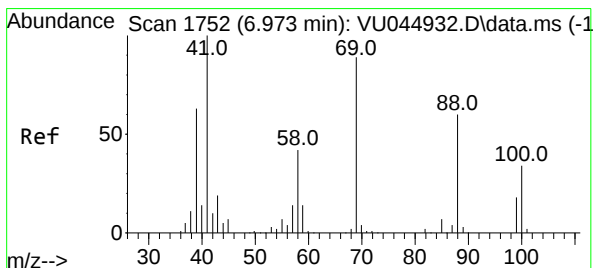
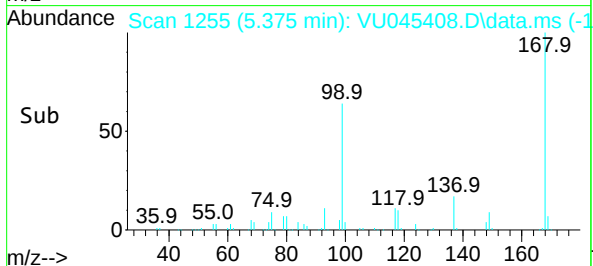
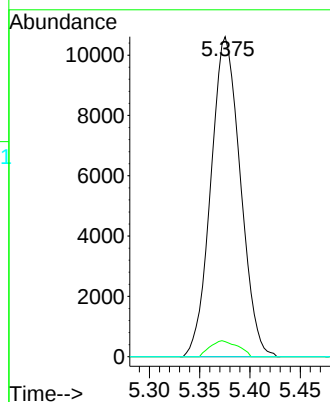
Tgt Ion:117 Resp: 21667

Ion Ratio Lower Upper

117 100

119 4.7 77.4 116.2#

121 0.0 24.5 36.7#



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.005 min Scan# 1762

Delta R.T. 0.032 min

Lab File: VU045408.D

Acq: 26 Oct 2021 18:09

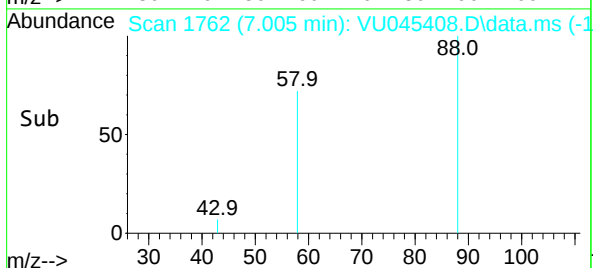
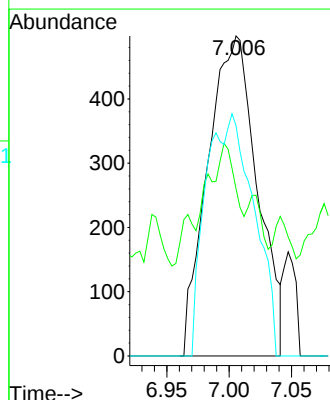
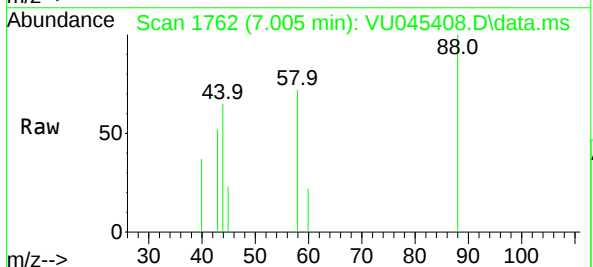
Tgt Ion: 88 Resp: 1378

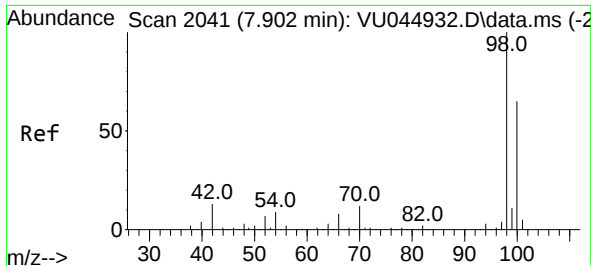
Ion Ratio Lower Upper

88 100

43 13.0 25.8 38.6#

58 31.1 61.3 91.9#

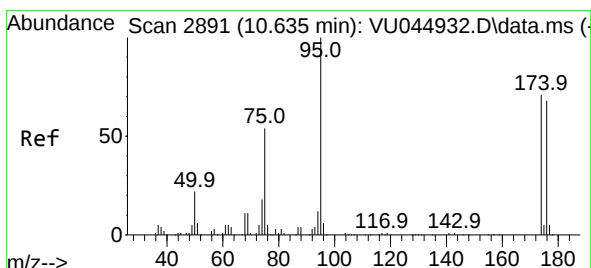
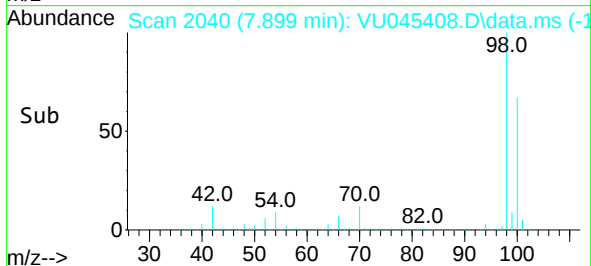
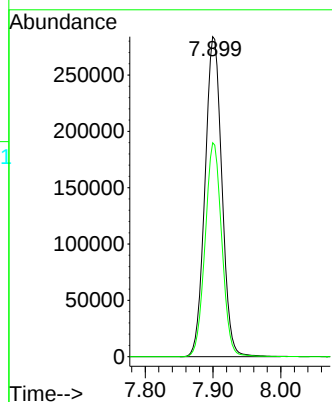
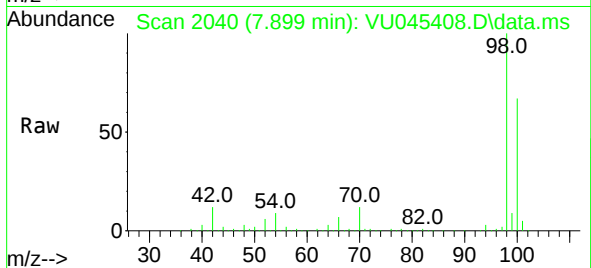




#50
Toluene-d8
Concen: 50.215 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

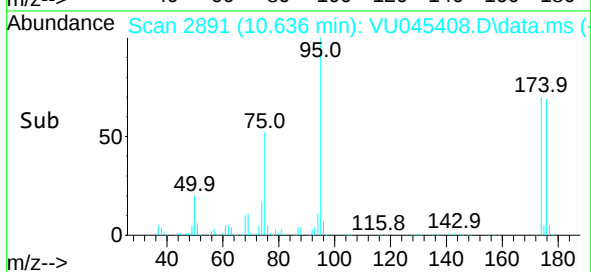
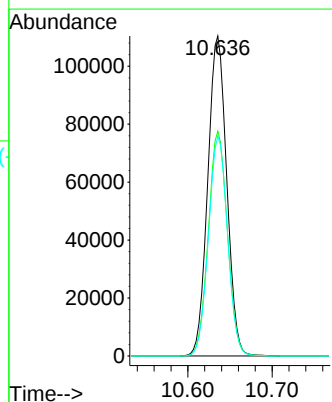
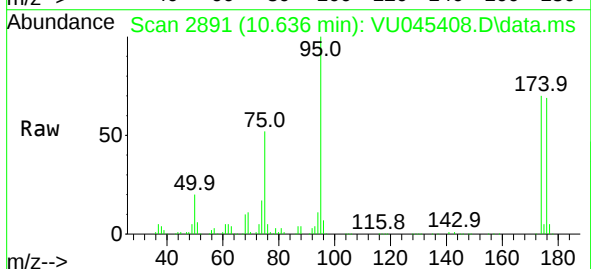
Instrument :
MSVOA_U
ClientSampleId :

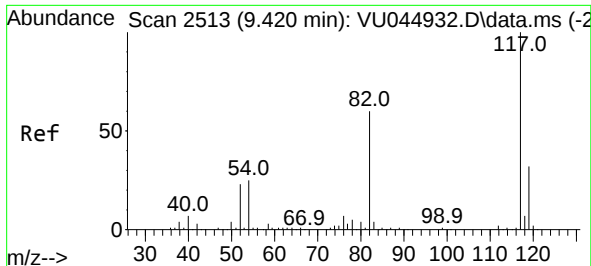
Tgt Ion: 98 Resp: 491556
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 42.764 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

Tgt Ion: 95 Resp: 172829
Ion Ratio Lower Upper
95 100
174 70.9 0.0 146.6
176 68.8 0.0 141.2

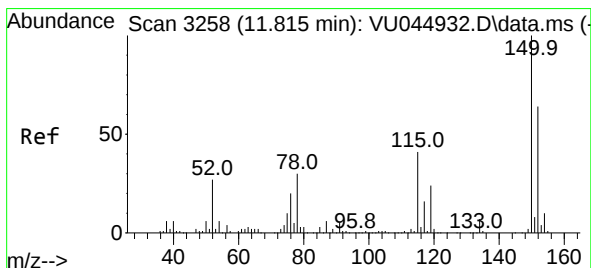
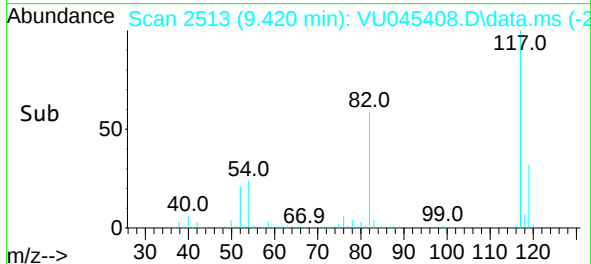
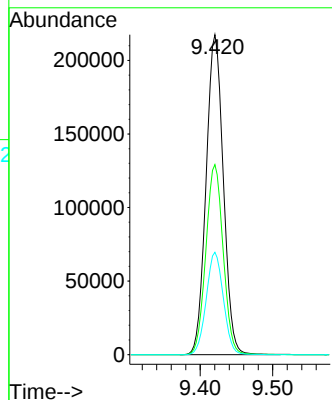
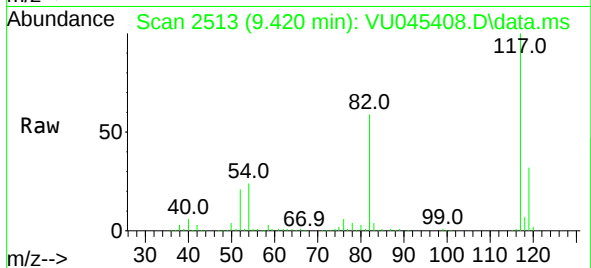




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

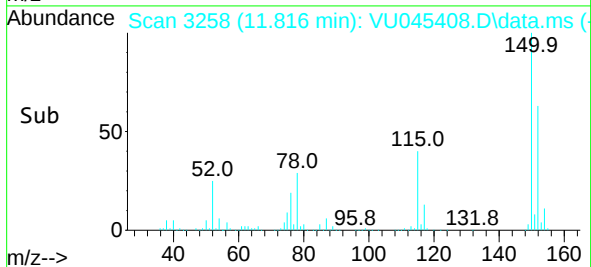
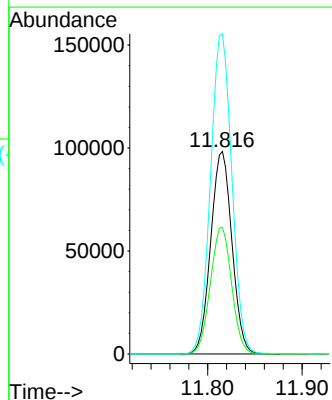
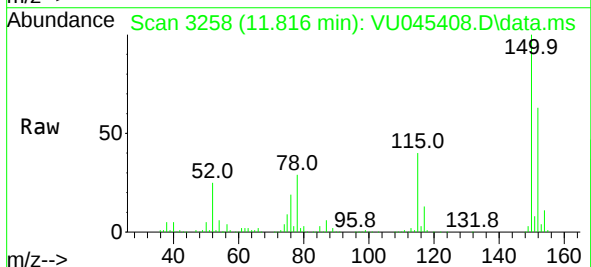
Instrument :
MSVOA_U
ClientSampleId :

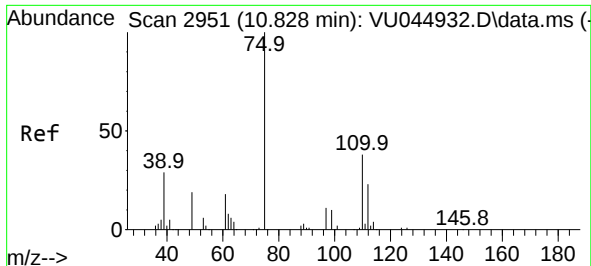
Tgt Ion:117 Resp: 359910
Ion Ratio Lower Upper
117 100
82 59.4 47.8 71.8
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

Tgt Ion:152 Resp: 153336
Ion Ratio Lower Upper
152 100
115 62.7 43.5 130.7
150 158.8 0.0 350.0

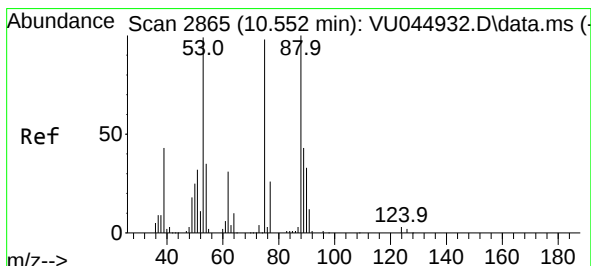
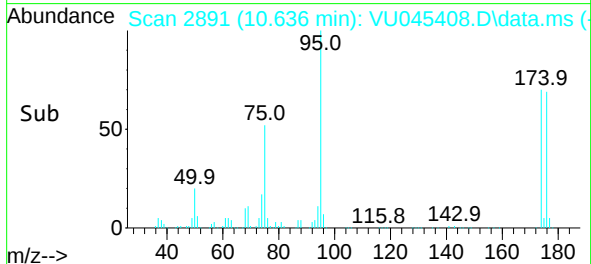
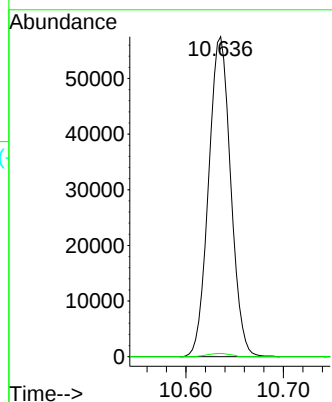
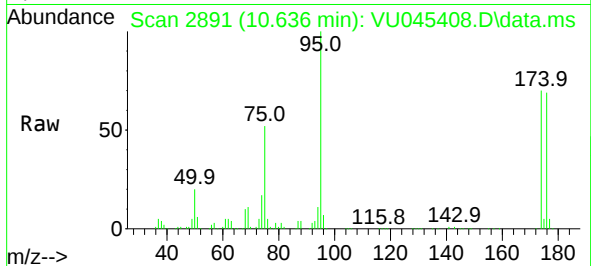




#76
1,2,3-Trichloropropane
Concen: 20.284 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.192 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 90723
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.293 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU045408.D
Acq: 26 Oct 2021 18:09

Tgt Ion: 75 Resp: 90723
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

