

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112818\
 Data File : VU028367.D
 Acq On : 28 Nov 2018 15:43
 Operator : MD/SY
 Sample : J6085-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 NS

Quant Time: Nov 29 06:16:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	237381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	445729	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	393162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	153527	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	207607	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	4.88	113	147251	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	7.57	98	575290	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	10.31	95	190027	44.48	ug/l	0.00
Spiked Amount			Recovery	=	88.96%	

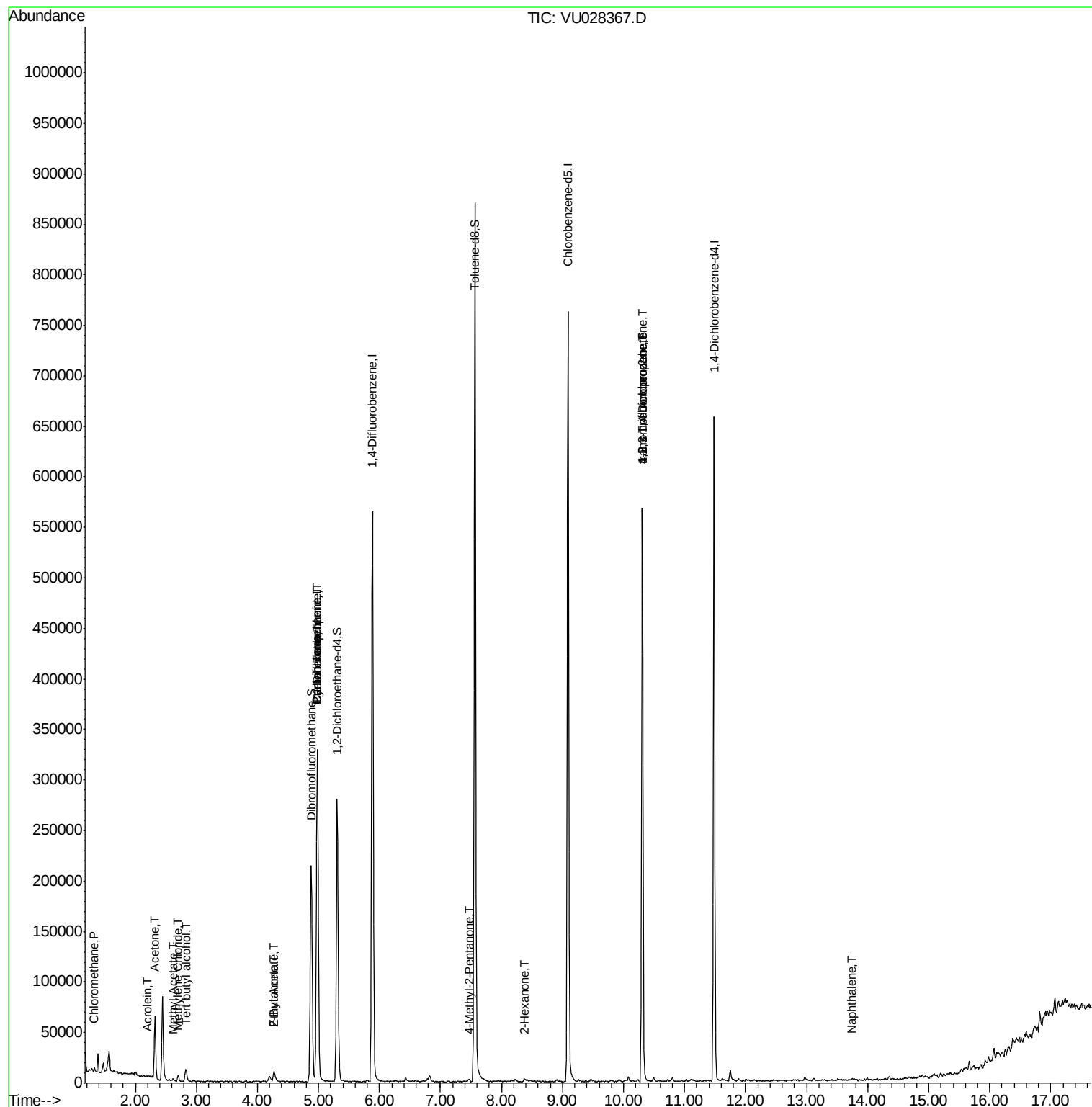
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	4620	0.748	ug/l	93
11) Tert butyl alcohol	2.82	59	13893	15.415	ug/l #	94
13) Acrolein	2.19	56	318	0.397	ug/l #	44
16) Acetone	2.32	43	64118	26.420	ug/l	97
18) Methyl Acetate	2.62	43	2392	0.354	ug/l #	87
20) Methylene Chloride	2.70	84	1860	0.470	ug/l #	91
25) 2-Butanone	4.27	43	18248	5.247	ug/l	95
31) Cyclohexane	4.98	56	6134	0.547	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	21838	4.477	ug/l #	49
37) Ethyl Acetate	4.27	43	18248	2.745	ug/l #	71
38) Carbon Tetrachloride	4.98	117	23658	5.907	ug/l #	15
51) 4-Methyl-2-Pentanone	7.46	43	2423	0.360	ug/l	90
59) 2-Hexanone	8.37	43	2551	0.490	ug/l	79
76) 1,2,3-Trichloropropane	10.30	75	101915	23.938	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.30	75	101915	63.544	ug/l #	100
95) Naphthalene	13.75	128	1840	2.970	ug/l #	71

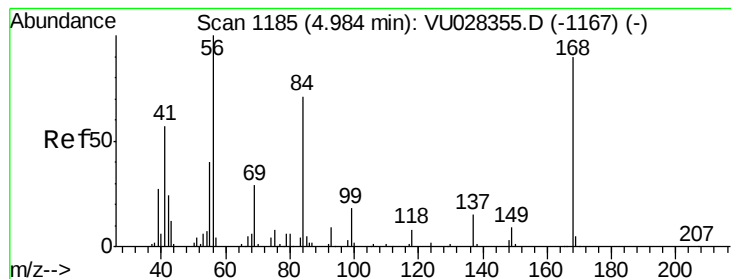
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028367.D

Acq: 28 Nov 2018 15:43

Instrument :

MSVOA_U

ClientSampleId :

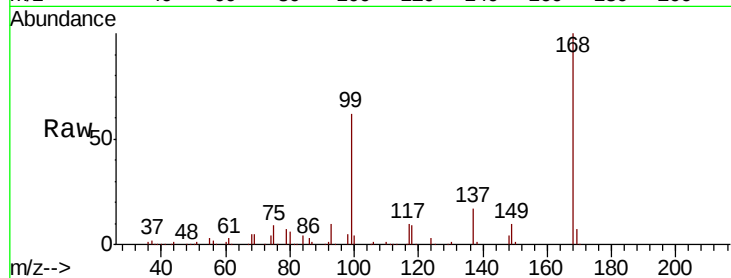
NS

Tot Ion:168 Resp: 237381

Ion Ratio Lower Upper

168 100

99 61.9 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

120000

100000

80000

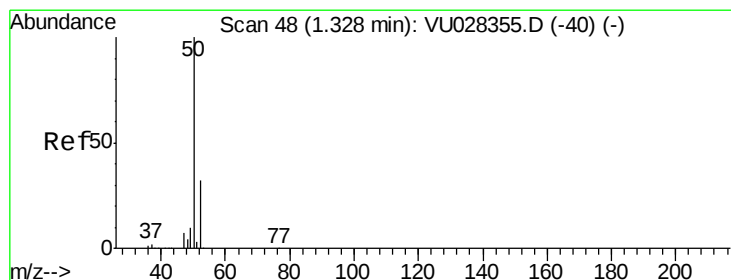
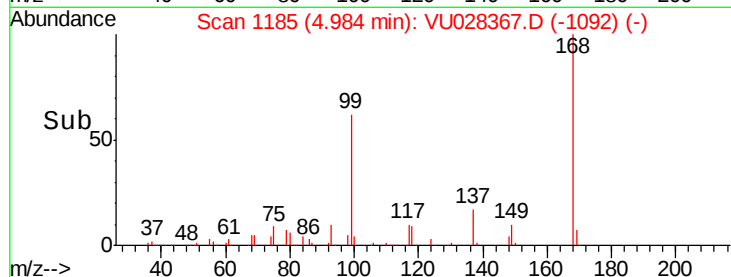
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.748 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028367.D

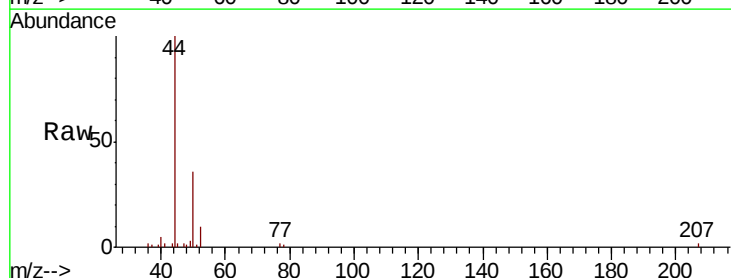
Acq: 28 Nov 2018 15:43

Tgt Ion: 50 Resp: 4620

Ion Ratio Lower Upper

50 100

52 28.2 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VU028355.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028355.D (-40) (-)

1.33

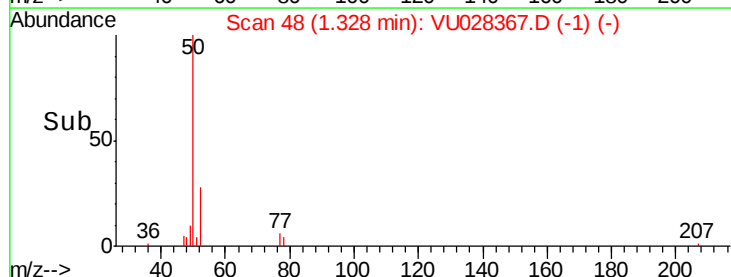
3000

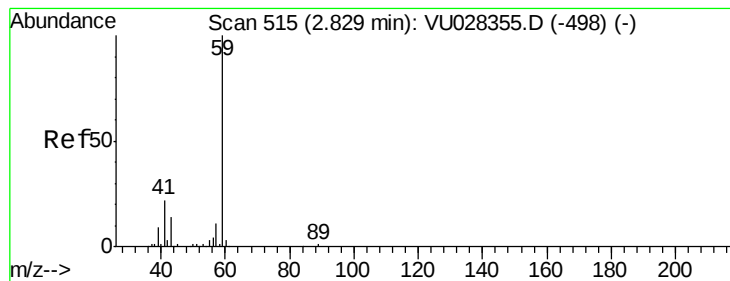
2000

1000

0

Time-->





#11

Tert butyl alcohol

Concen: 15.415 ug/l

RT: 2.82 min Scan# 513

Delta R.T. -0.01 min

Lab File: VU028367.D

Acq: 28 Nov 2018 15:43

Instrument :

MSVOA_U

ClientSampleId :

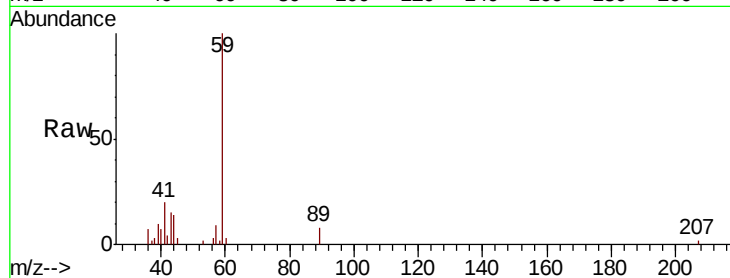
NS

Tot Ion: 59 Resp: 13893

Ion Ratio Lower Upper

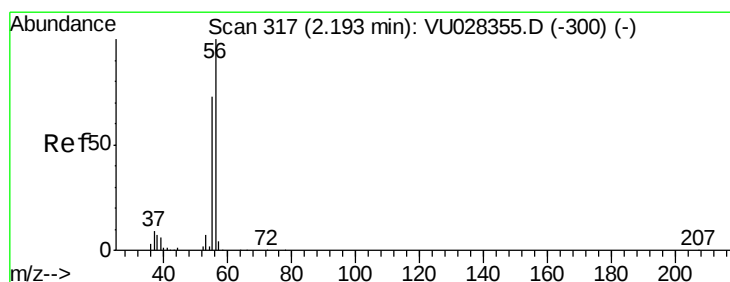
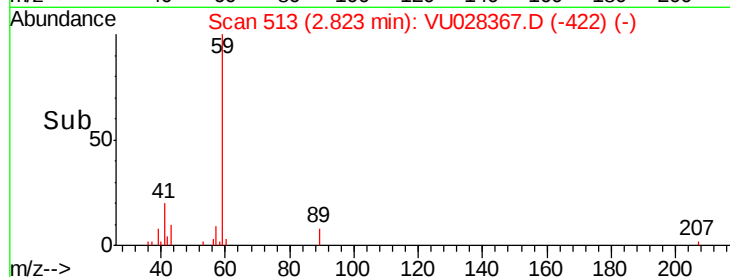
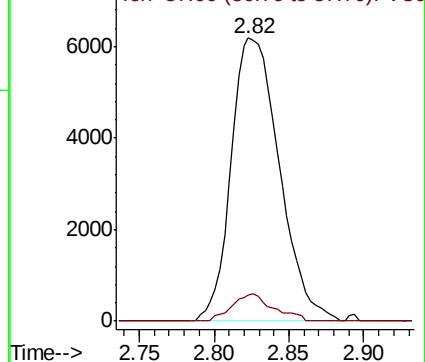
59 100

57 8.1 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#13

Acrolein

Concen: 0.397 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028367.D

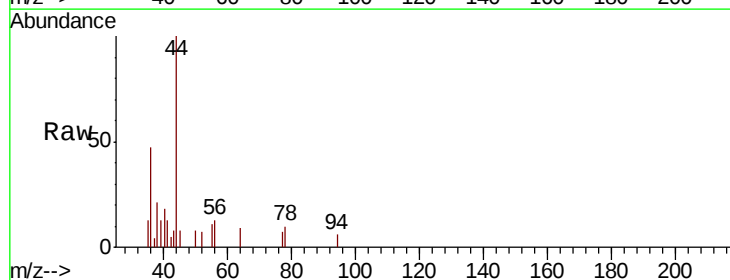
Acq: 28 Nov 2018 15:43

Tgt Ion: 56 Resp: 318

Ion Ratio Lower Upper

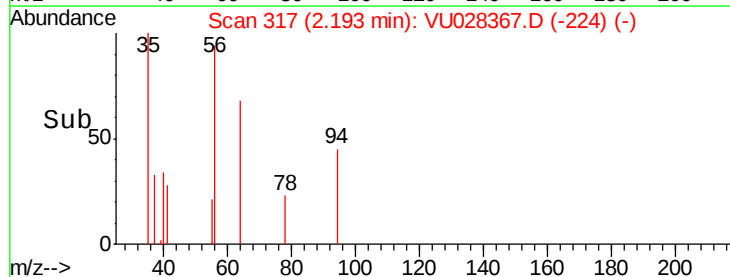
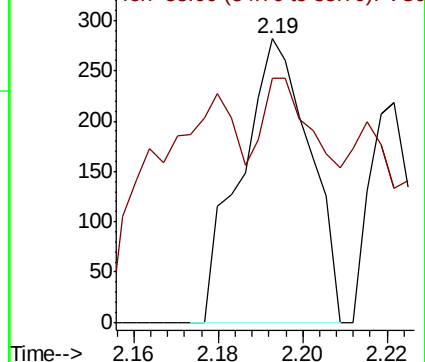
56 100

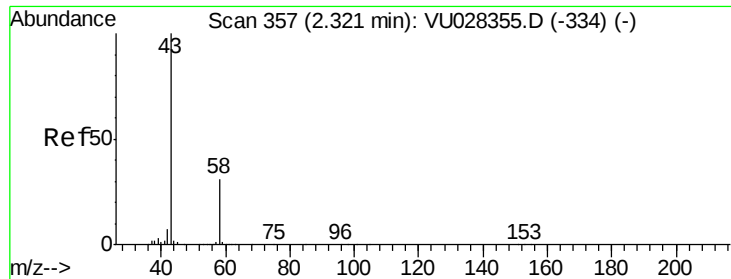
55 24.8 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0





#16

Acetone

Concen: 26.420 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028367.D

Acq: 28 Nov 2018 15:43

Instrument :

MSVOA_U

ClientSampleId :

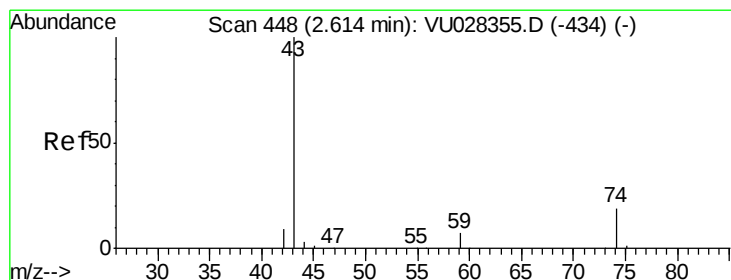
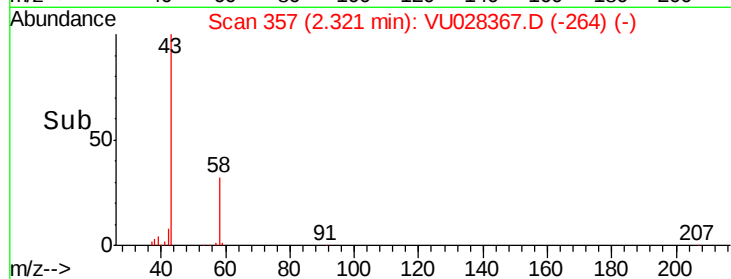
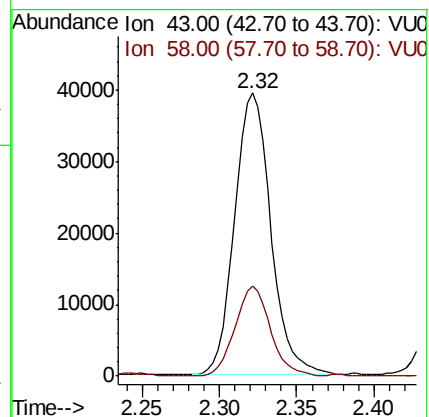
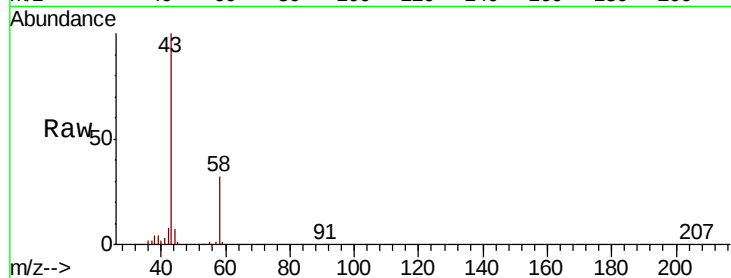
NS

Tot Ion: 43 Resp: 64118

Ion Ratio Lower Upper

43 100

58 32.0 24.4 36.6



#18

Methyl Acetate

Concen: 0.354 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028367.D

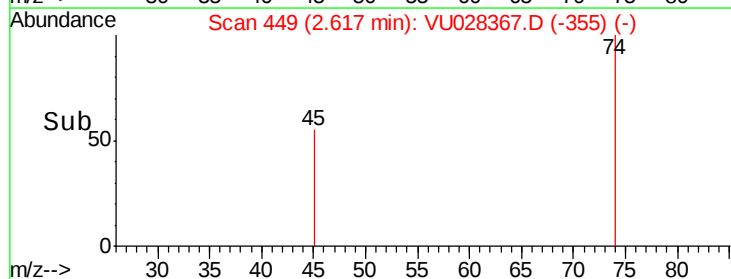
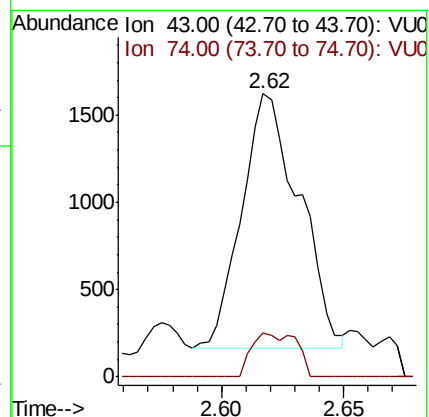
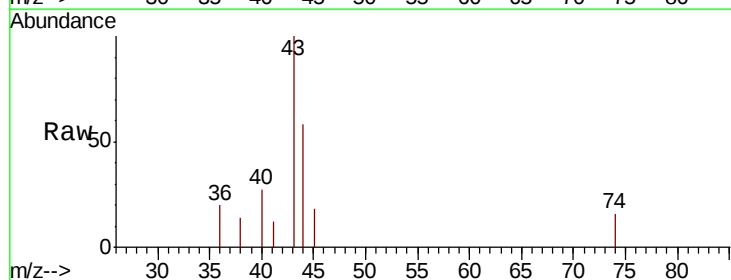
Acq: 28 Nov 2018 15:43

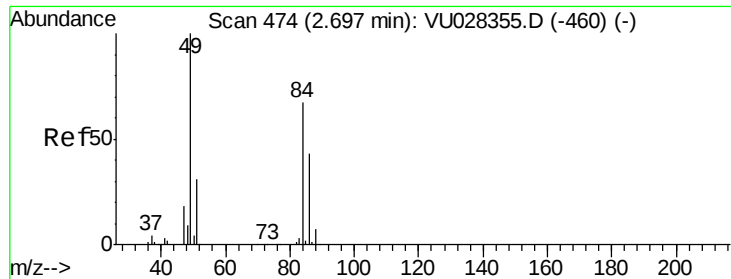
Tgt Ion: 43 Resp: 2392

Ion Ratio Lower Upper

43 100

74 13.3 15.3 22.9#

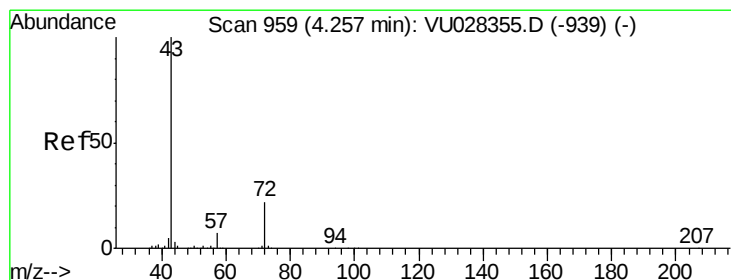
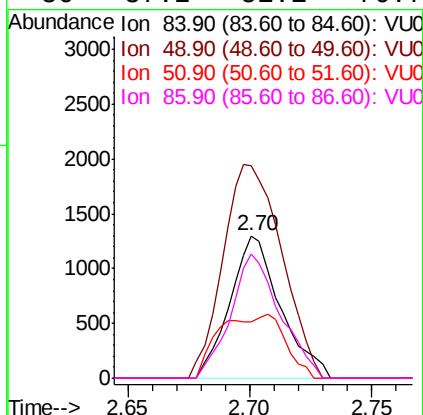
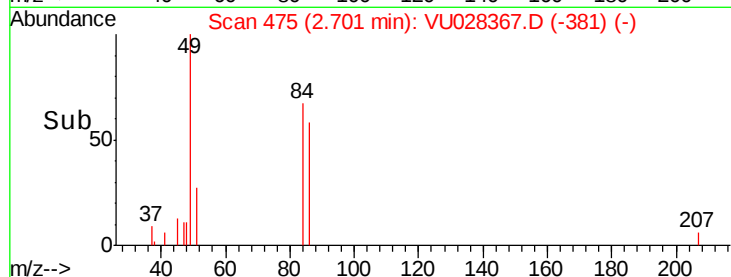
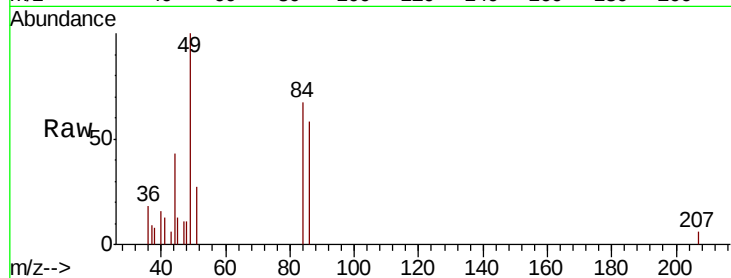




#20
Methvlene Chloride
Concen: 0.470 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028367.D
Acq: 28 Nov 2018 15:43

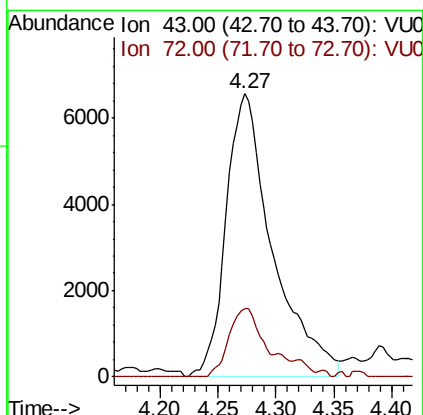
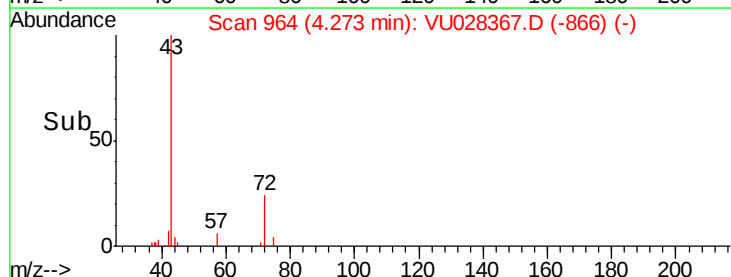
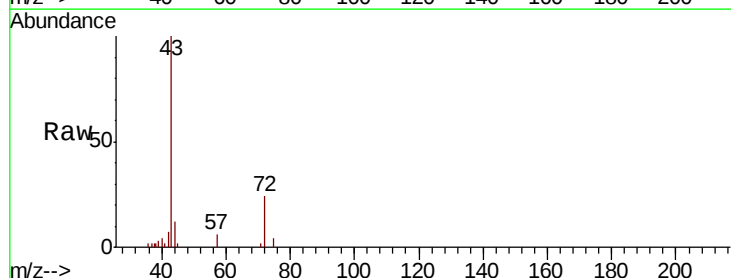
Instrument :
MSVOA_U
ClientSampleId :
NS

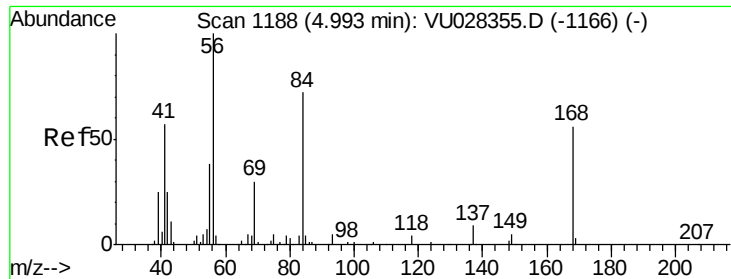
Tot Ion: 84 Resp: 1860
Ion Ratio Lower Upper
84 100
49 149.3 120.0 180.0
51 40.0 36.9 55.3
86 87.2 51.1 76.7#



#25
2-Butanone
Concen: 5.247 ug/l
RT: 4.27 min Scan# 964
Delta R.T. 0.02 min
Lab File: VU028367.D
Acq: 28 Nov 2018 15:43

Tgt Ion: 43 Resp: 18248
Ion Ratio Lower Upper
43 100
72 24.3 17.7 26.5

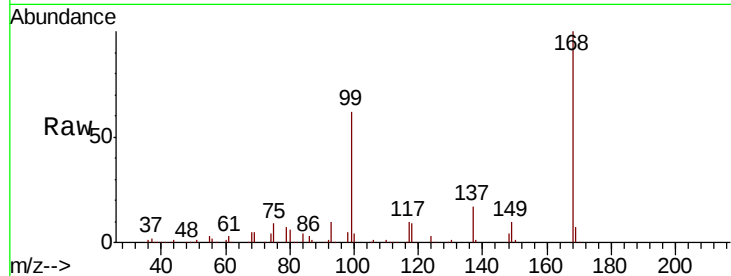




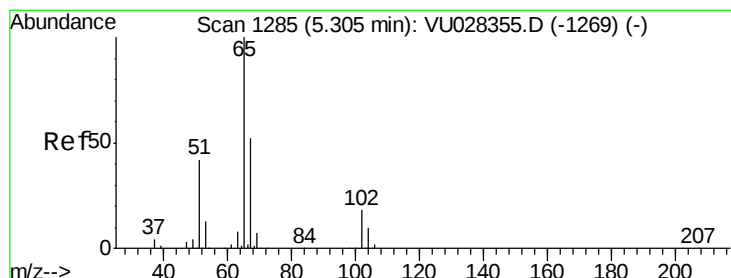
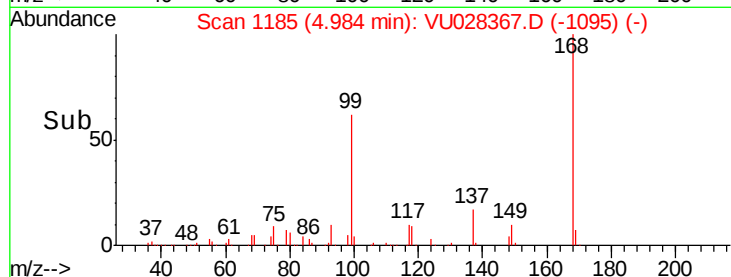
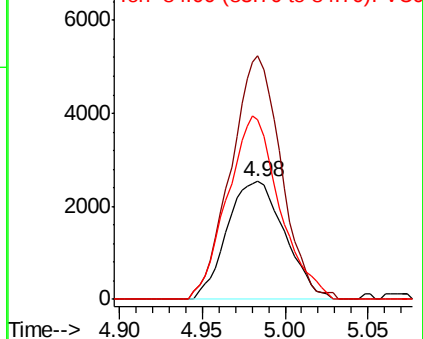
#31
Cyclohexane
Concen: 0.547 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028367.D
Acq: 28 Nov 2018 15:43

Instrument :
MSVOA_U
ClientSampled :
NS

Tot Ion: 56 Resp: 6134
Ion Ratio Lower Upper
56 100
69 206.2 23.7 35.5#
84 152.6 57.3 85.9#

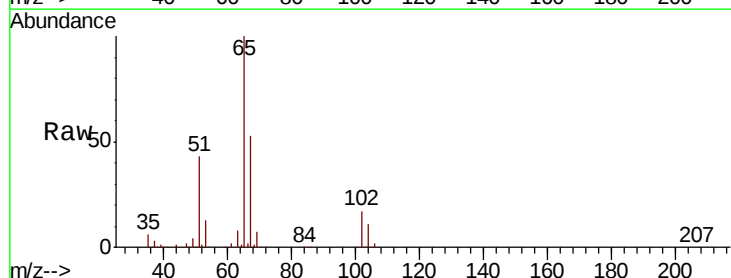


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

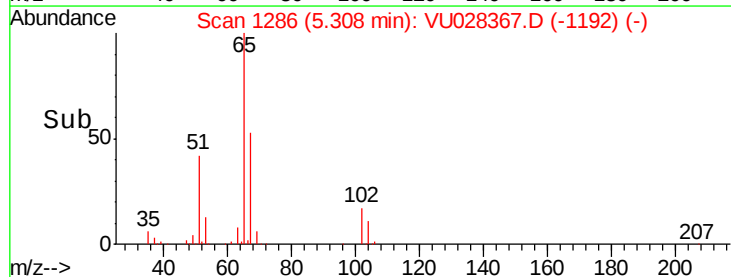
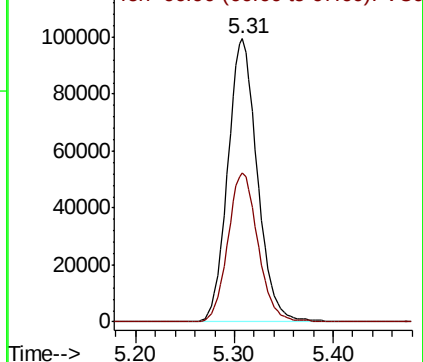


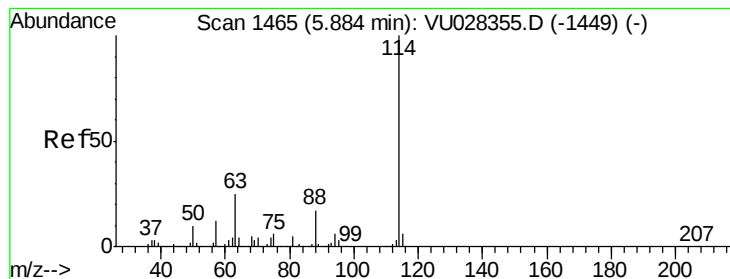
#33
1,2-Dichloroethane-d4
Concen: 52.330 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028367.D
Acq: 28 Nov 2018 15:43

Tgt Ion: 65 Resp: 207607
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU028367.D

Acq: 28 Nov 2018 15:43

Instrument :

MSVOA_U

ClientSampled :

NS

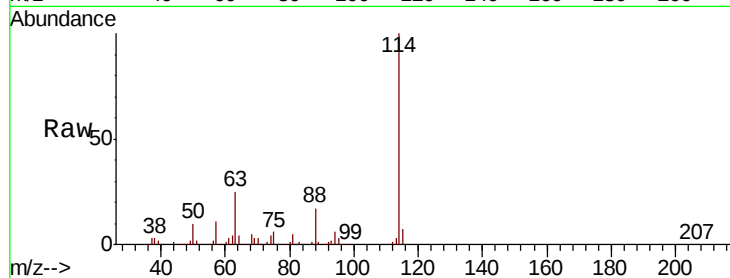
Tot Ion:114 Resp: 445729

Ion Ratio Lower Upper

114 100

63 25.4 0.0 50.0

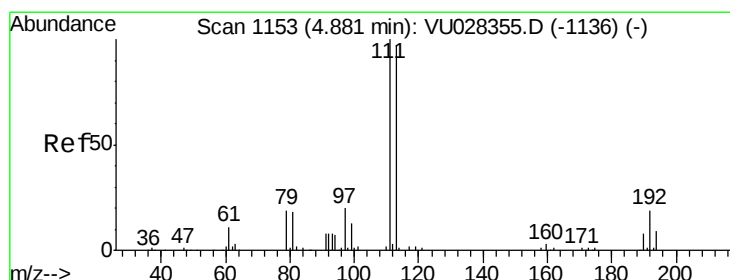
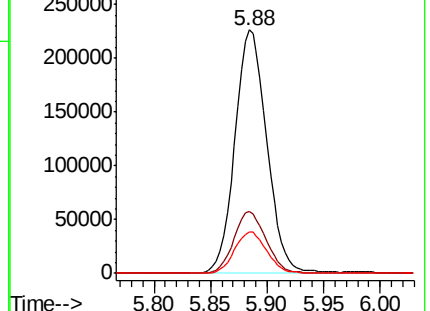
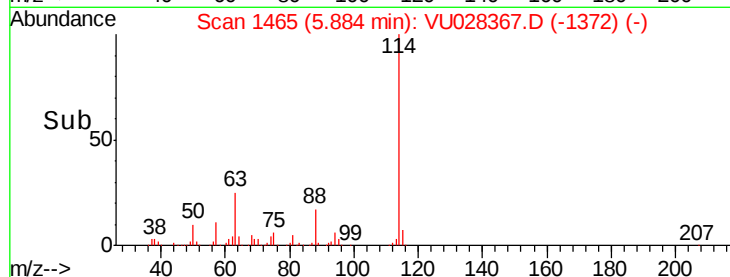
88 17.0 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 49.681 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028367.D

Acq: 28 Nov 2018 15:43

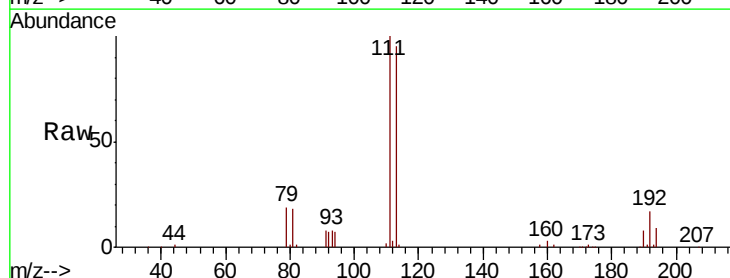
Tgt Ion:113 Resp: 147251

Ion Ratio Lower Upper

113 100

111 104.2 82.9 124.3

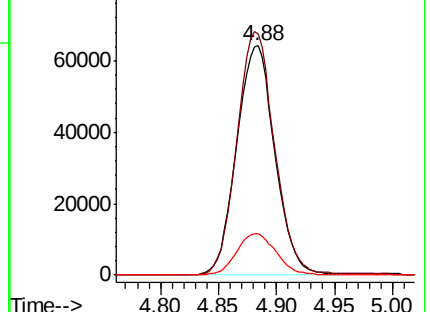
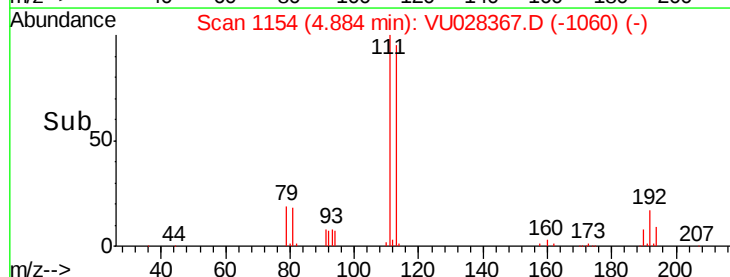
192 18.7 15.4 23.0

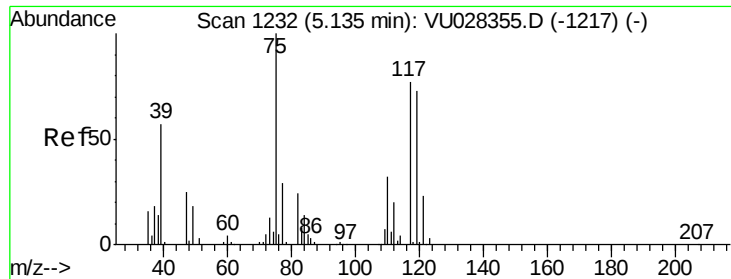


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

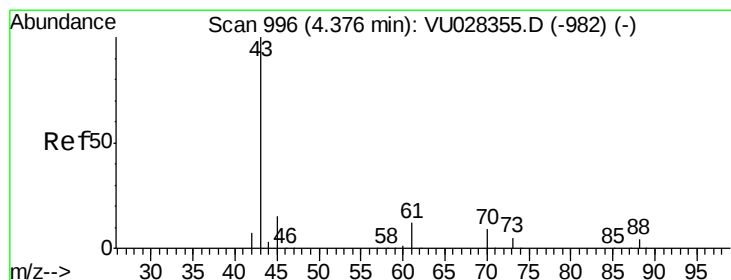
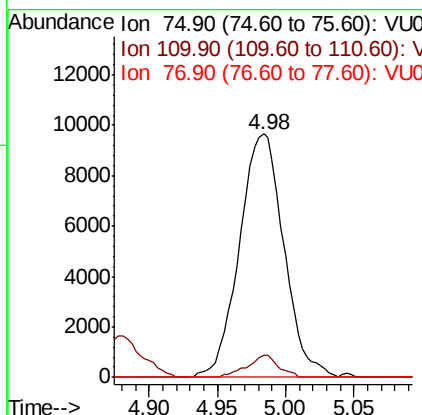
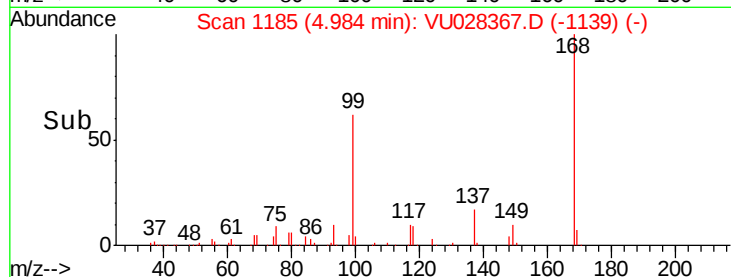
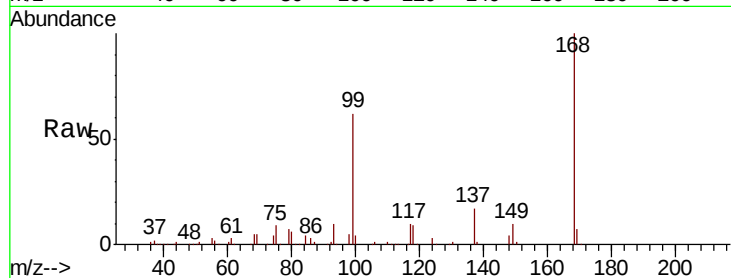




#36
 1,1-Dichloropropene
 Concen: 4.477 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028367.D
 Acq: 28 Nov 2018 15:43

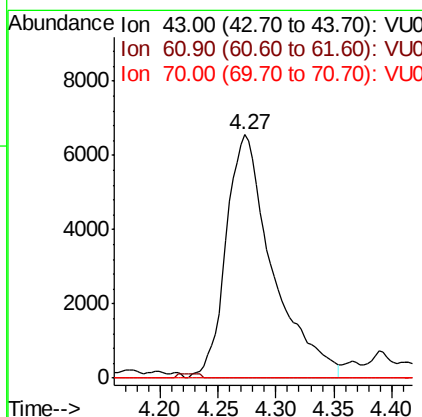
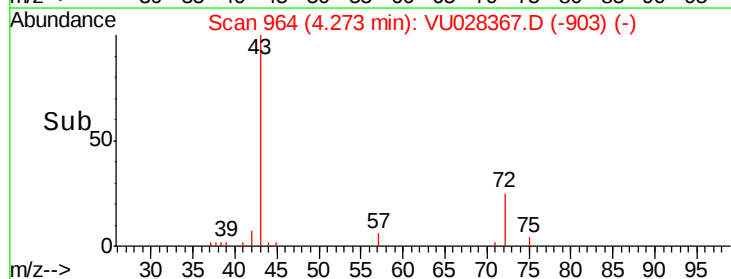
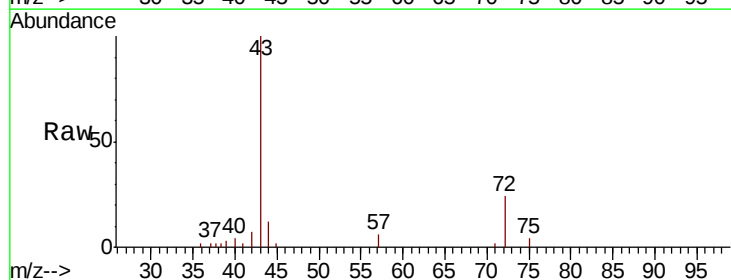
Instrument :
 MSVOA_U
 ClientSampleId :
 NS

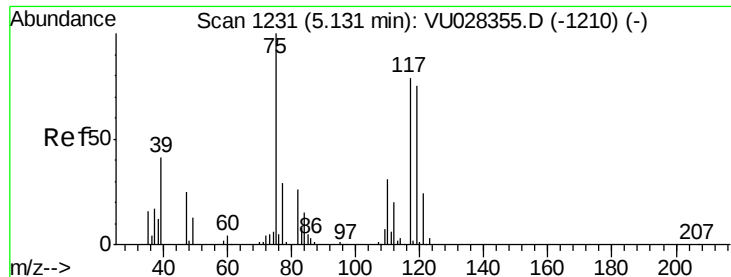
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.5	15.8	47.4#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 2.745 ug/l
 RT: 4.27 min Scan# 964
 Delta R.T. -0.10 min
 Lab File: VU028367.D
 Acq: 28 Nov 2018 15:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.2	15.4#
70	0.0	6.9	10.3#





#38

Carbon Tetrachloride

Concen: 5.907 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028367.D

Acq: 28 Nov 2018 15:43

Instrument :

MSVOA_U

ClientSampleId :

NS

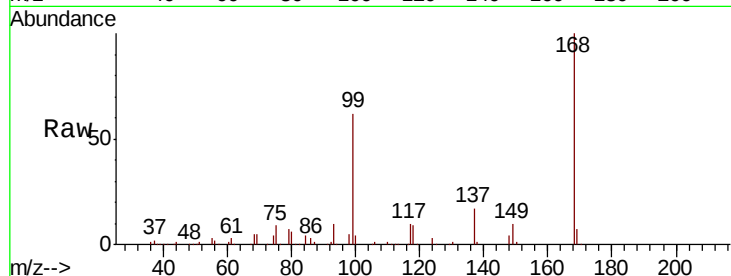
Tot Ion:117 Resp: 23658

Ion Ratio Lower Upper

117 100

119 4.0 76.3 114.5#

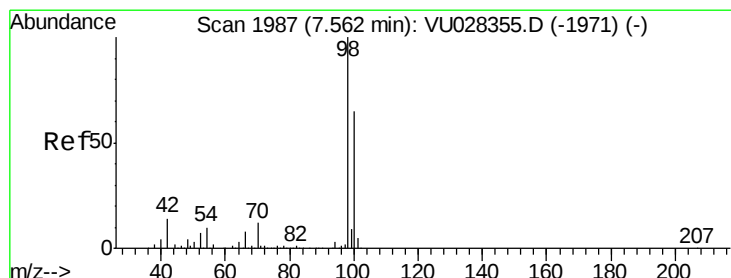
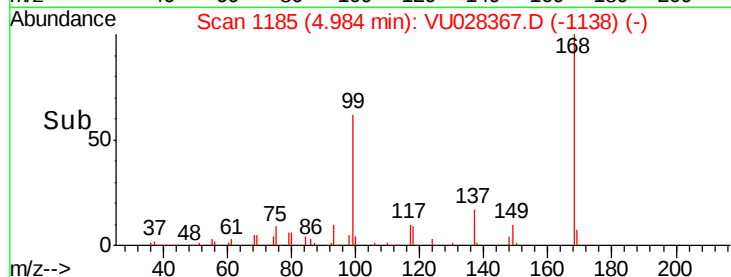
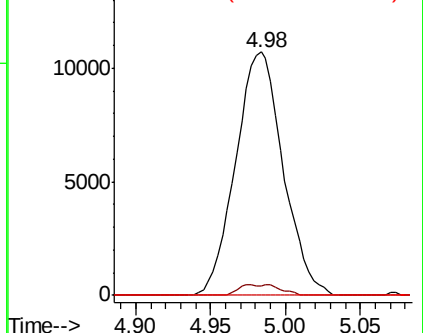
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.533 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028367.D

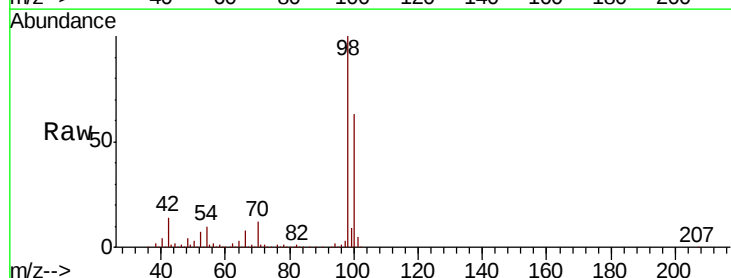
Acq: 28 Nov 2018 15:43

Tgt Ion: 98 Resp: 575290

Ion Ratio Lower Upper

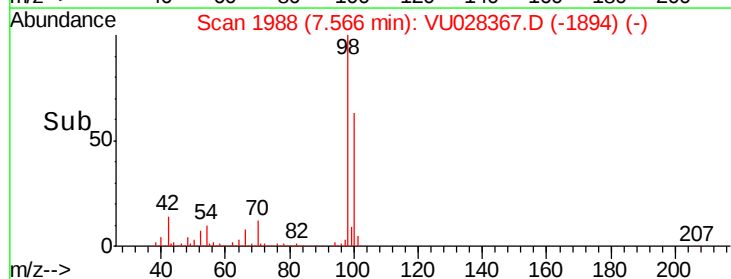
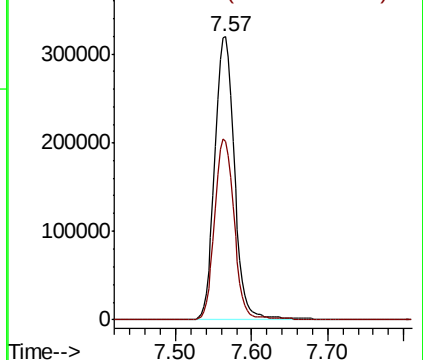
98 100

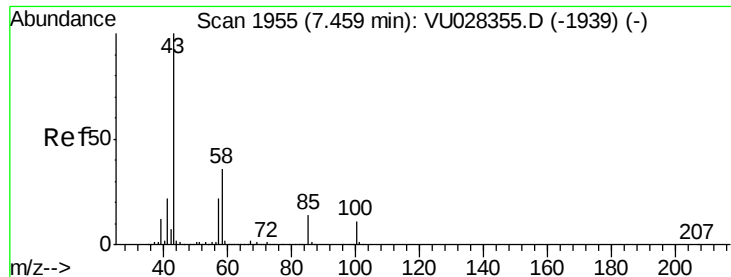
100 62.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.360 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028367.D

Acq: 28 Nov 2018 15:43

Instrument :

MSVOA_U

ClientSampleId :

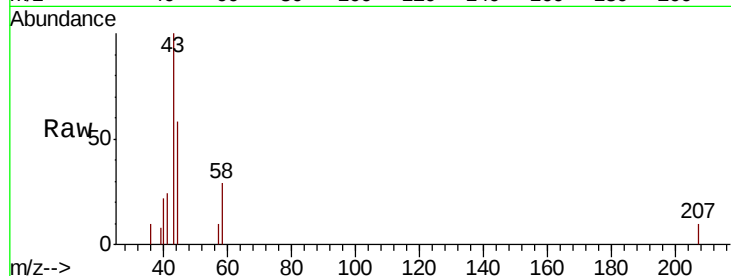
NS

Tot Ion: 43 Resp: 2423

Ion Ratio Lower Upper

43 100

58 29.9 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028355.D (-1939) (-)

7.46

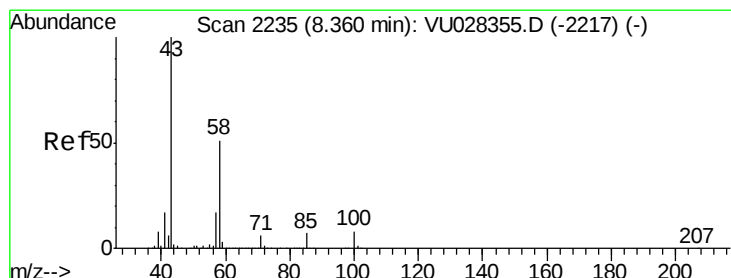
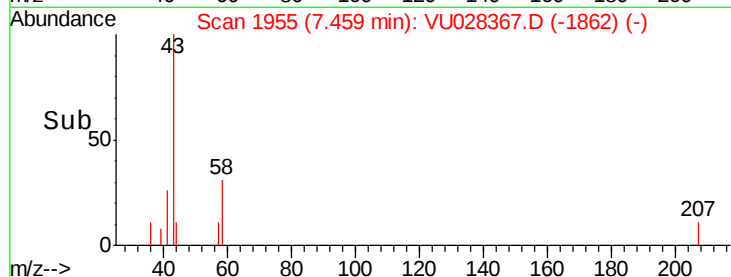
1500

1000

500

0

Time-->



#59

2-Hexanone

Concen: 0.490 ug/l

RT: 8.37 min Scan# 2238

Delta R.T. 0.01 min

Lab File: VU028367.D

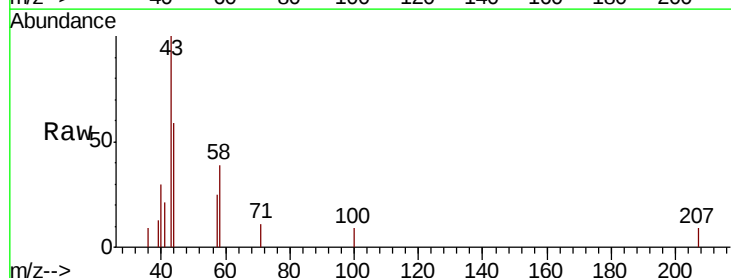
Acq: 28 Nov 2018 15:43

Tgt Ion: 43 Resp: 2551

Ion Ratio Lower Upper

43 100

58 36.6 25.5 76.5



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VU028355.D (-2217) (-)

8.37

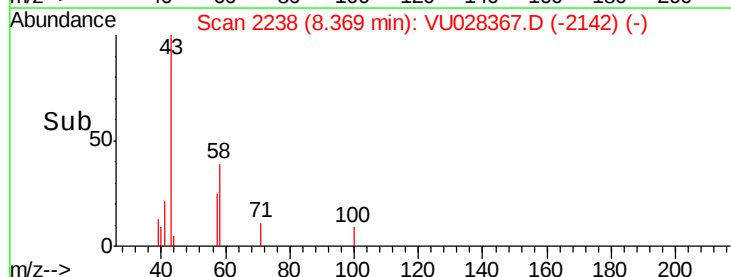
1500

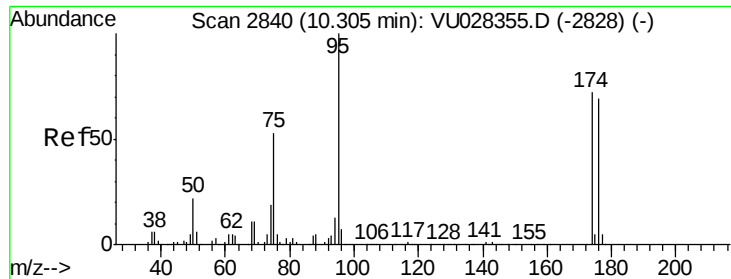
1000

500

0

Time-->

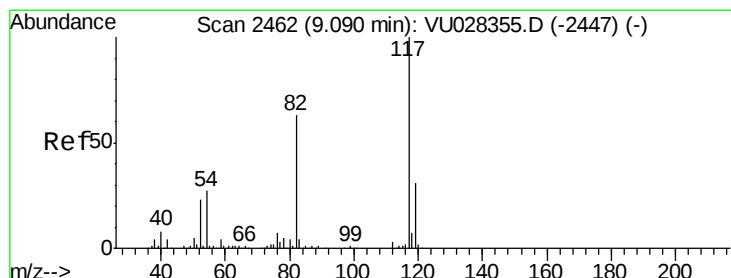
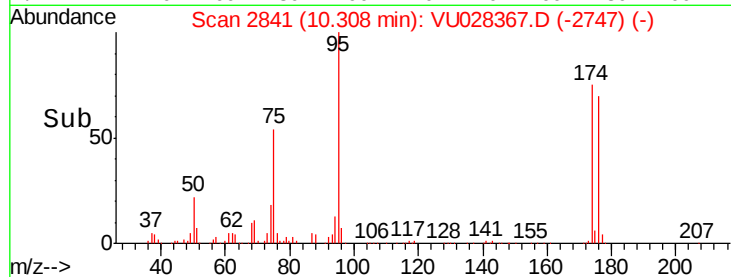
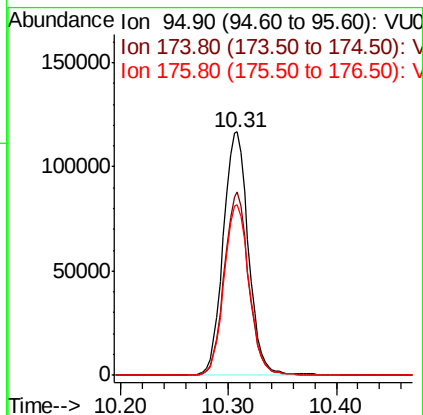
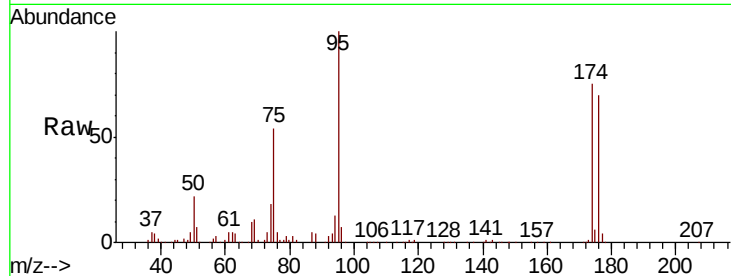




#62
4-Bromofluorobenzene
Concen: 44.478 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028367.D
Acq: 28 Nov 2018 15:43

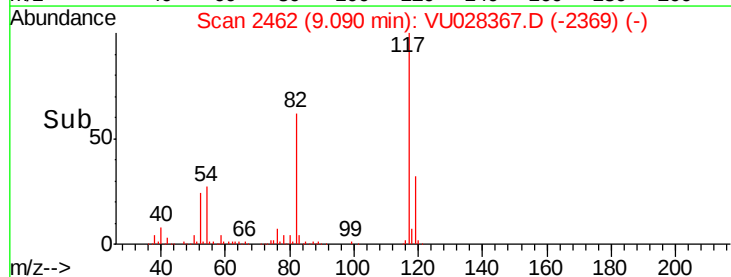
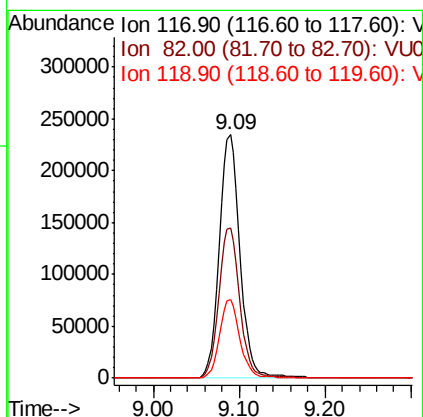
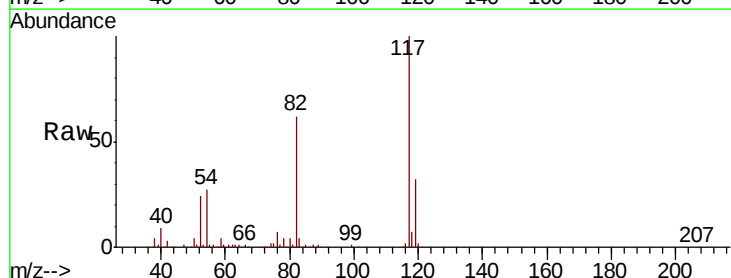
Instrument :
MSVOA_U
ClientSampleId :
NS

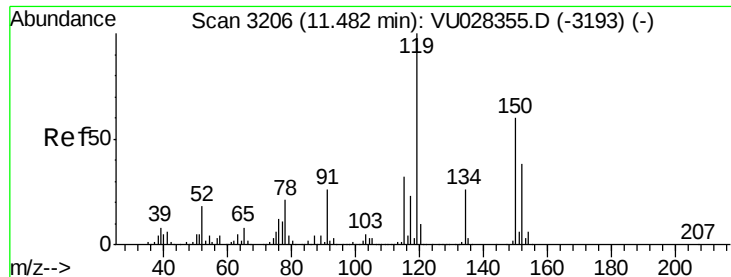
Tot Ion: 95 Resp: 190027
Ion Ratio Lower Upper
95 100
174 73.0 0.0 145.4
176 70.0 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028367.D
Acq: 28 Nov 2018 15:43

Tgt Ion: 117 Resp: 393162
Ion Ratio Lower Upper
117 100
82 61.5 50.3 75.5
119 32.3 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028367.D

Acq: 28 Nov 2018 15:43

Instrument :

MSVOA_U

ClientSampled :

NS

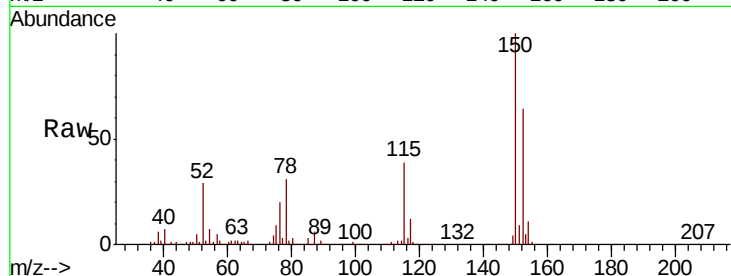
Tot Ion:152 Resp: 153527

Ion Ratio Lower Upper

152 100

115 61.9 45.0 134.8

150 155.8 0.0 349.2

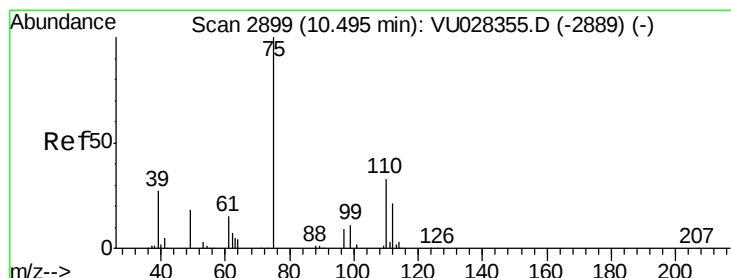
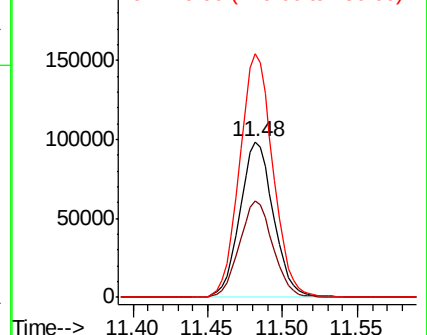
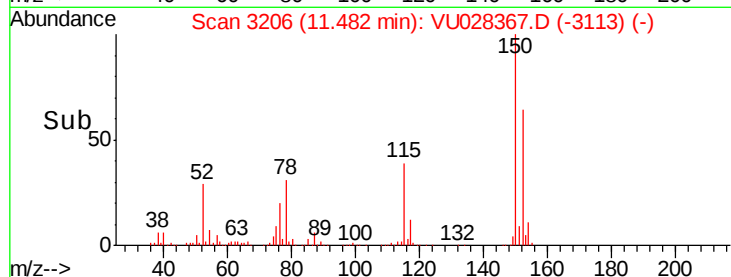


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.938 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028367.D

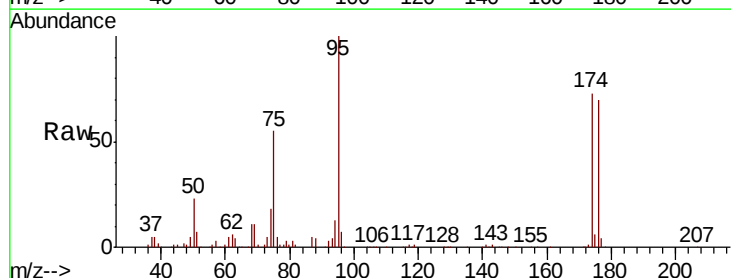
Acq: 28 Nov 2018 15:43

Tgt Ion: 75 Resp: 101915

Ion Ratio Lower Upper

75 100

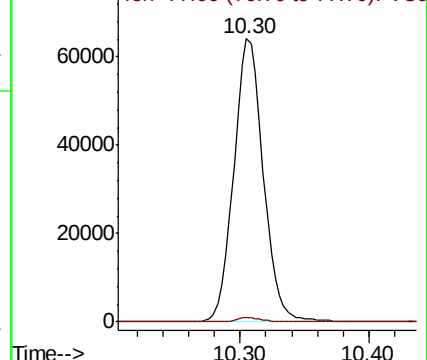
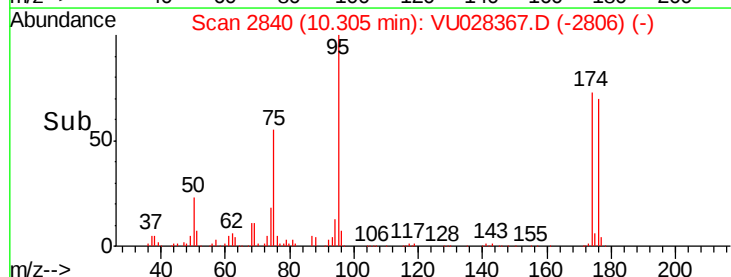
77 1.3 22.4 67.0#

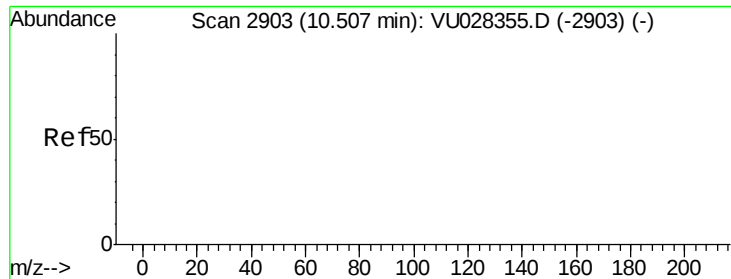


Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

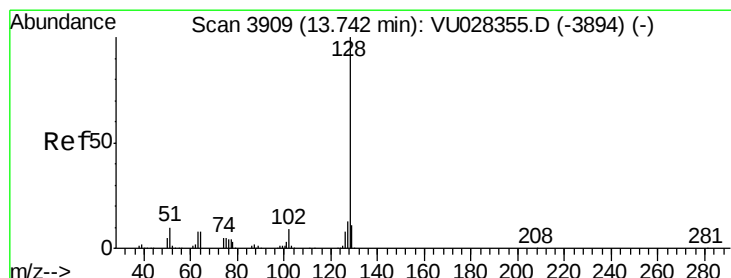
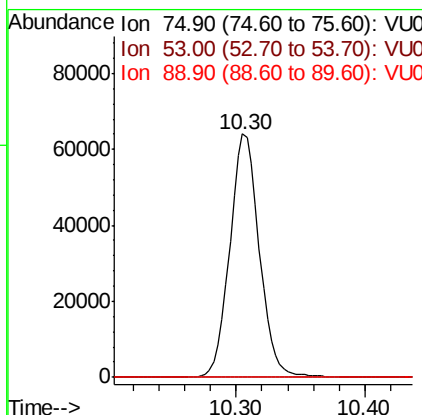
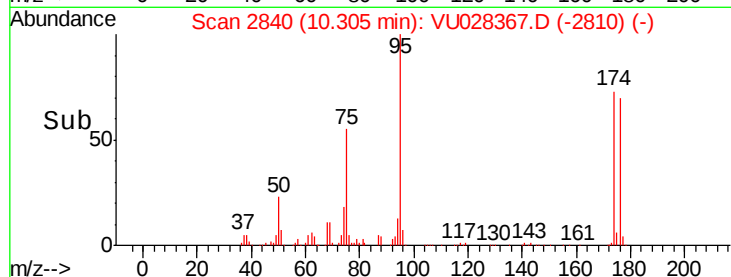
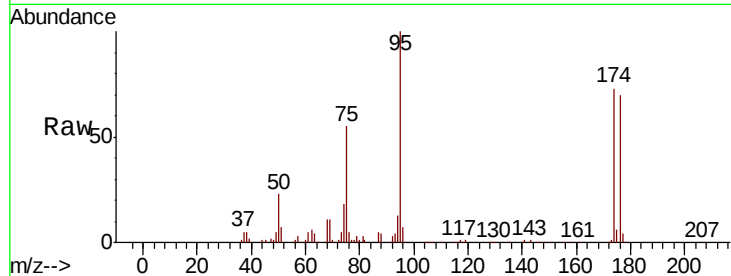




#81
trans-1,4-Dichloro-2-butene
Concen: 63.544 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.20 min
Lab File: VU028367.D
Acq: 28 Nov 2018 15:43

Instrument :
MSVOA_U
ClientSampleId :
NS

Tot Ion: 75 Resp: 101915
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 2.970 ug/l
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU028367.D
Acq: 28 Nov 2018 15:43

Tgt Ion:128 Resp: 1840
Ion Ratio Lower Upper
128 100
127 1.1 10.6 15.8#
129 0.0 8.6 12.8#

