

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024535.D
 Acq On : 14 Jun 2018 13:25
 Operator : MD/SY
 Sample : J3402-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:34:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	198000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	331235	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	310437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	180459	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	143529	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	
35) Dibromofluoromethane	4.89	113	131261	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
50) Toluene-d8	7.57	98	476283	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
62) 4-Bromofluorobenzene	10.31	95	186387	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	

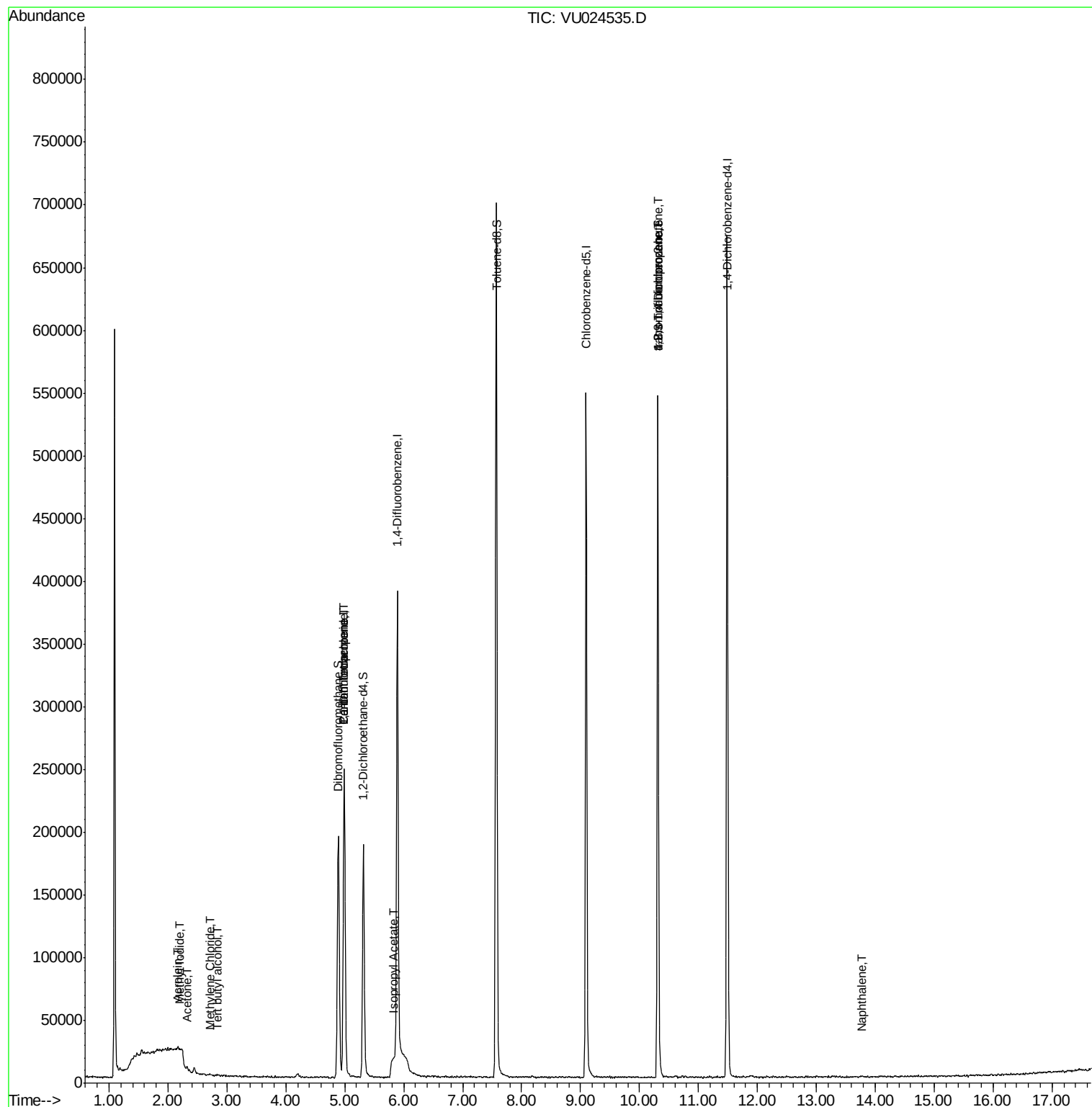
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	280	Below Cal	#	43
8) Diethyl Ether	2.10	74	125	Below Cal		49
10) Methyl Iodide	2.20	142	47	5.309	ug/l #	1
11) Tert butyl alcohol	2.83	59	533	0.678	ug/l #	32
13) Acrolein	2.16	56	335	0.811	ug/l #	81
16) Acetone	2.32	43	3242	1.867	ug/l	93
20) Methylene Chloride	2.70	84	731	0.268	ug/l #	57
31) Cyclohexane	4.99	56	3655	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13489	3.466	ug/l #	53
38) Carbon Tetrachloride	4.99	117	18559	4.336	ug/l #	15
43) Isopropyl Acetate	5.82	43	15629	2.131	ug/l #	62
76) 1,2,3-Trichloropropane	10.31	75	91676	23.074	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	91676	53.404	ug/l #	100
95) Naphthalene	13.77	128	595	0.723	ug/l #	84

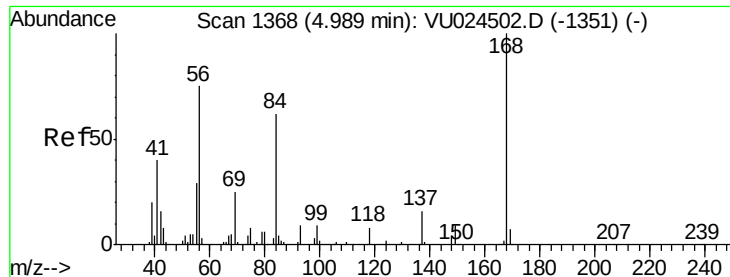
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024535.D

Acq: 14 Jun 2018 13:25

Instrument :

MSVOA_U

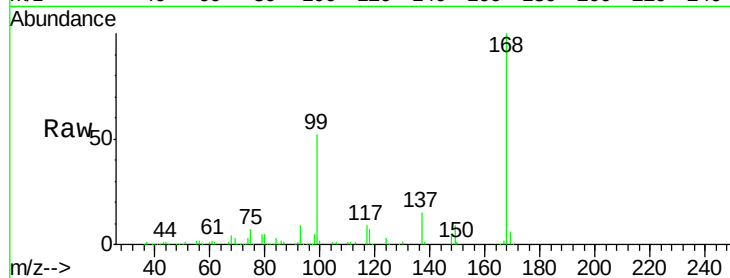
ClientSampleId :

Tot Ion:168 Resp: 198000

Ion Ratio Lower Upper

168 100

99 52.1 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

80000

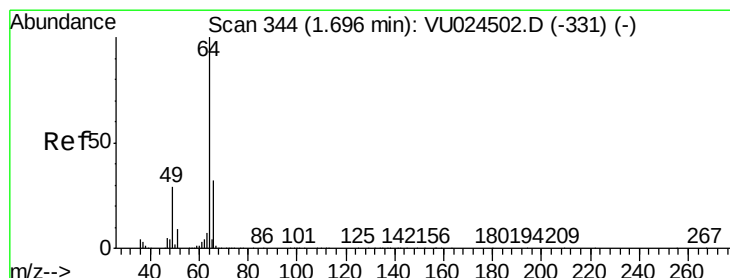
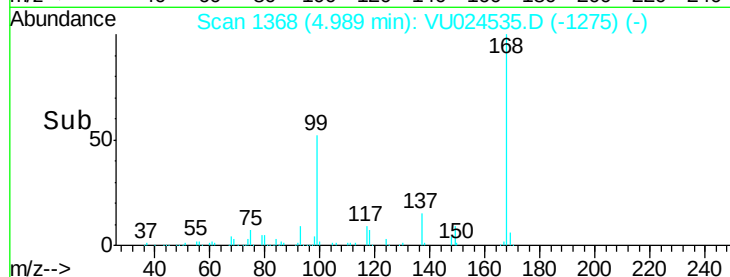
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU024535.D

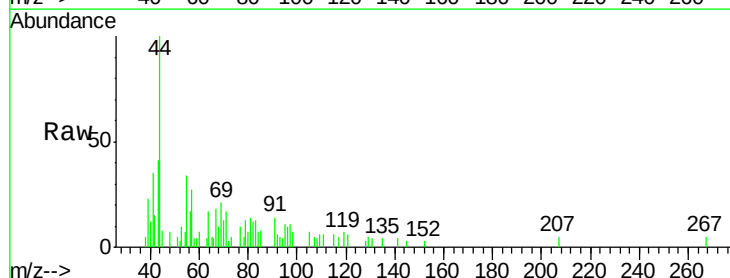
Acq: 14 Jun 2018 13:25

Tgt Ion: 64 Resp: 280

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU024502.D (-331) (-)

Ion 65.90 (65.60 to 66.60): VU024502.D (-331) (-)

1.69

600

500

400

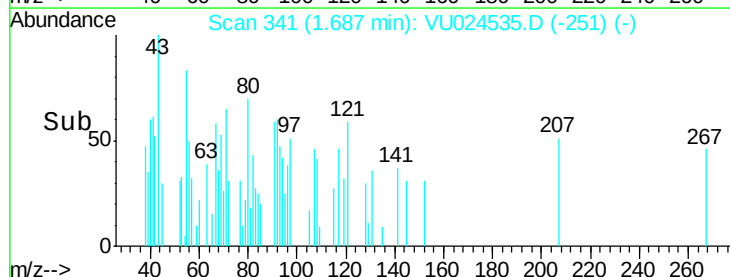
300

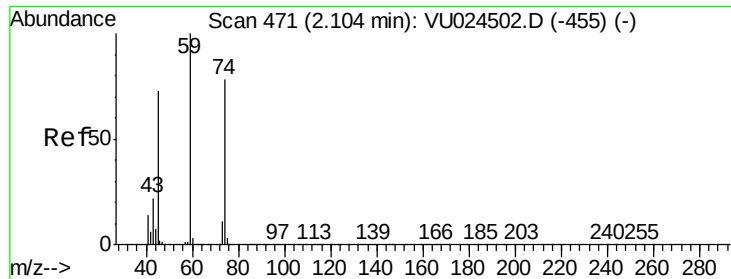
200

100

0

Time-->





#8

Diethyl Ether

Concen: Below Cal

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024535.D

Acq: 14 Jun 2018 13:25

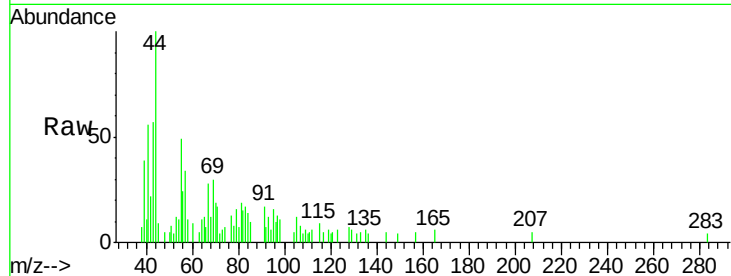
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 74 Resp: 125

Ion Ratio Lower Upper

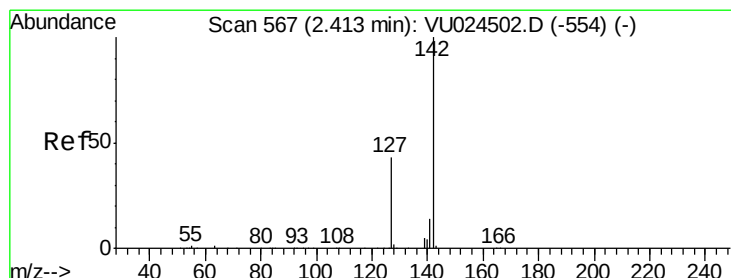
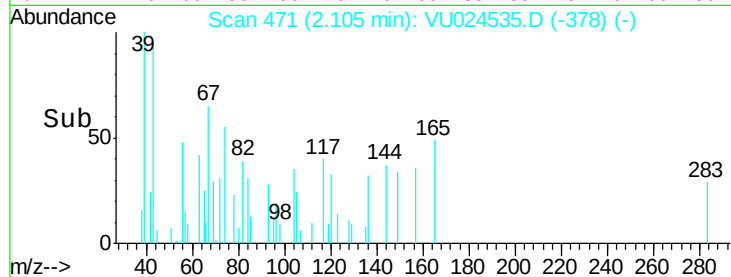
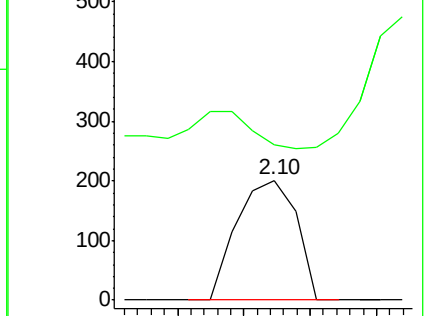
74 100

45 164.0 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



#10

Methyl Iodide

Concen: 5.309 ug/l

RT: 2.20 min Scan# 502

Delta R.T. -0.21 min

Lab File: VU024535.D

Acq: 14 Jun 2018 13:25

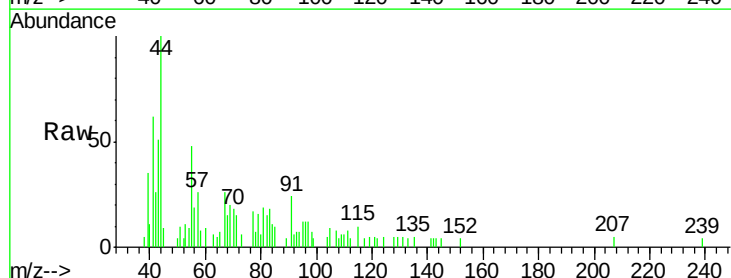
Tgt Ion: 142 Resp: 47

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

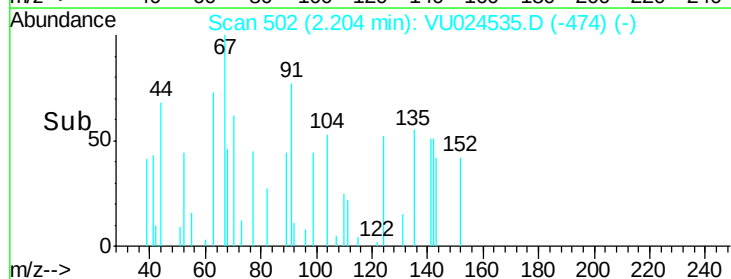
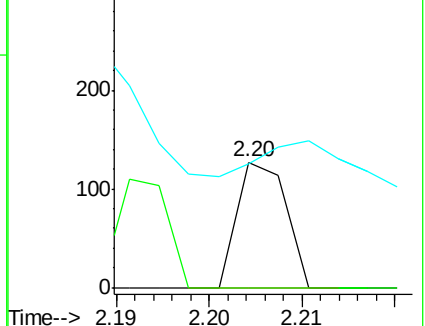
141 314.9 11.7 17.5#

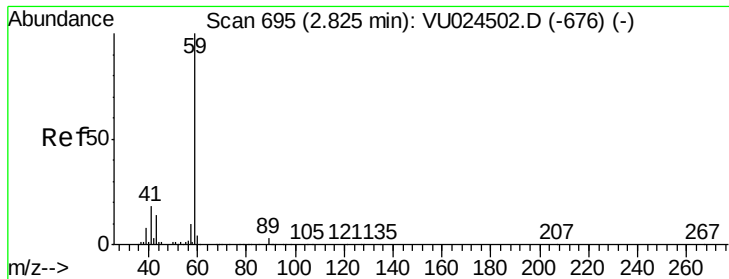


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



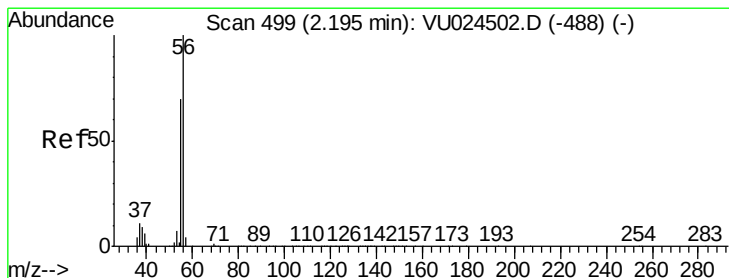
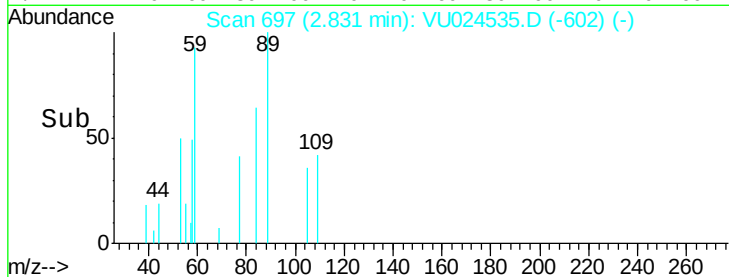
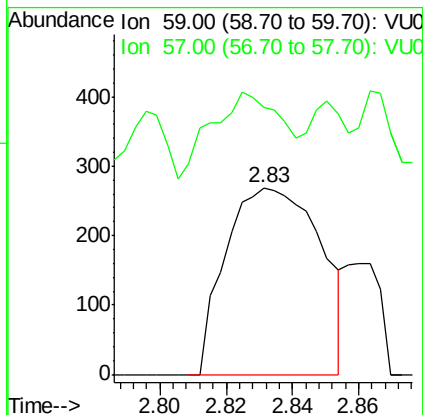
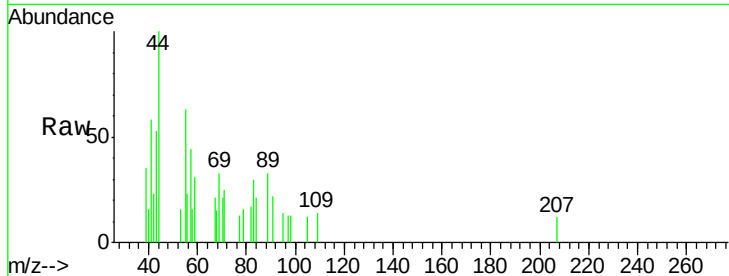


#11

Tert butyl alcohol
 Concen: 0.678 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VU024535.D
 Acq: 14 Jun 2018 13:25

Instrument :
 MSVOA_U
 ClientSampled :

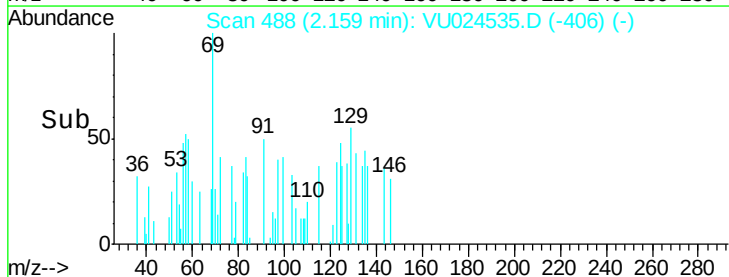
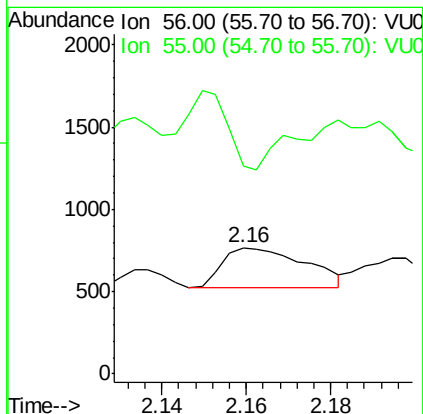
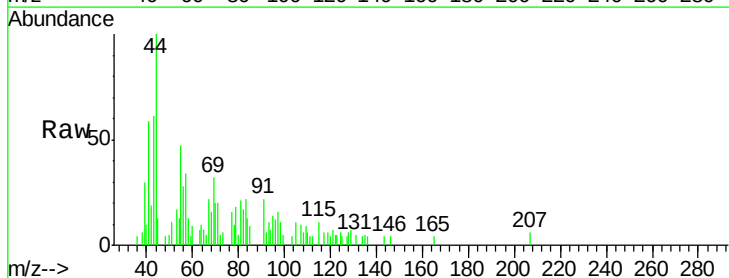
Tot Ion: 59 Resp: 533
 Ion Ratio Lower Upper
 59 100
 57 36.2 8.5 12.7#

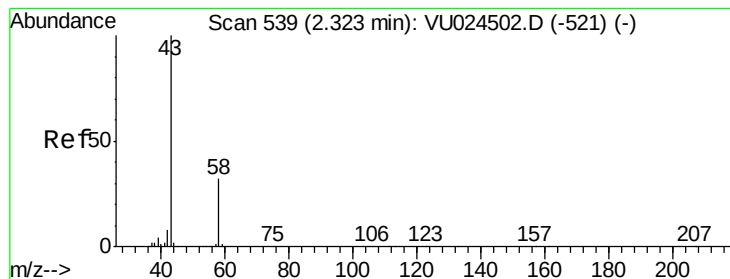


#13

Acrolein
 Concen: 0.811 ug/l
 RT: 2.16 min Scan# 488
 Delta R.T. -0.04 min
 Lab File: VU024535.D
 Acq: 14 Jun 2018 13:25

Tgt Ion: 56 Resp: 335
 Ion Ratio Lower Upper
 56 100
 55 88.7 58.4 87.6#





#16

Acetone

Concen: 1.867 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024535.D

Acq: 14 Jun 2018 13:25

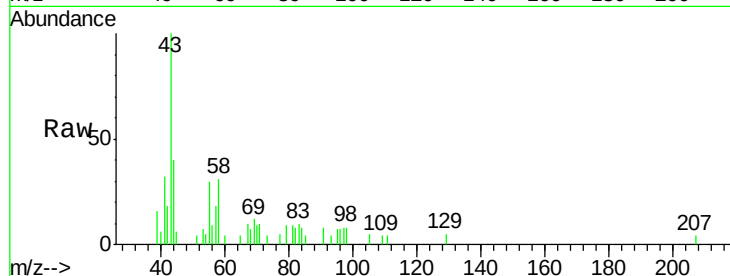
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 3242

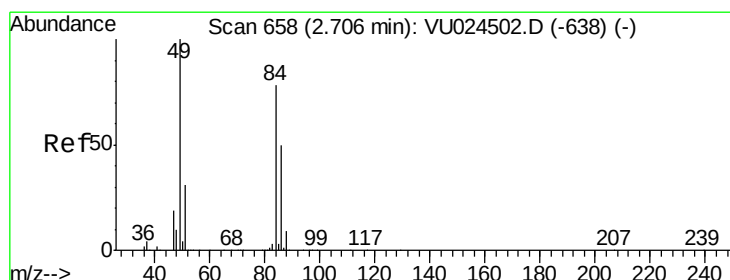
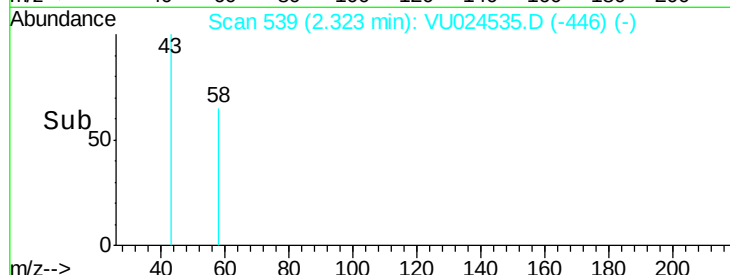
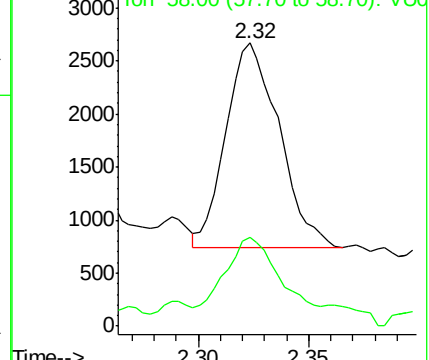
Ion Ratio Lower Upper

43 100

58 34.2 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024535.D (-446) (-)



#20

Methylene Chloride

Concen: 0.268 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU024535.D

Acq: 14 Jun 2018 13:25

Tgt Ion: 84 Resp: 731

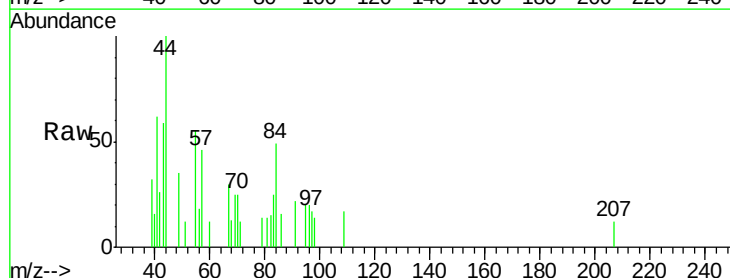
Ion Ratio Lower Upper

84 100

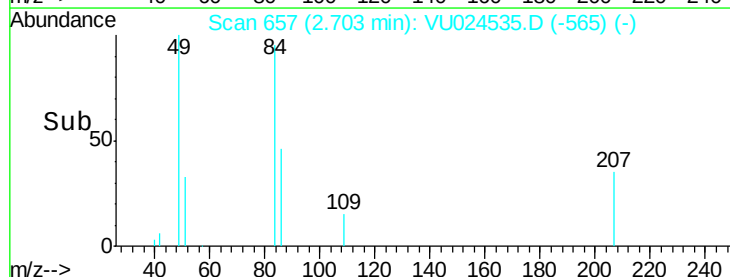
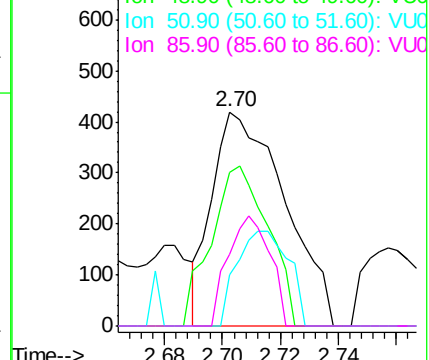
49 72.1 103.8 155.8#

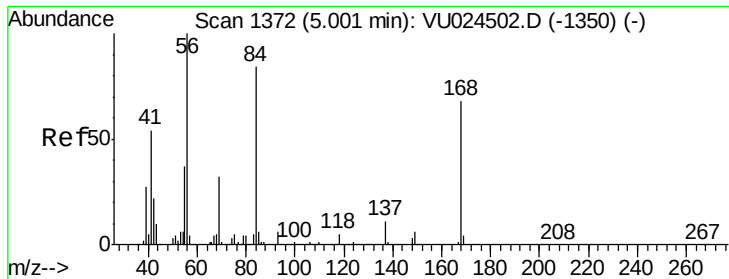
51 23.9 32.0 48.0#

86 33.2 51.6 77.4#



Abundance Ion 83.90 (83.60 to 84.60): VU024535.D (-565) (-)

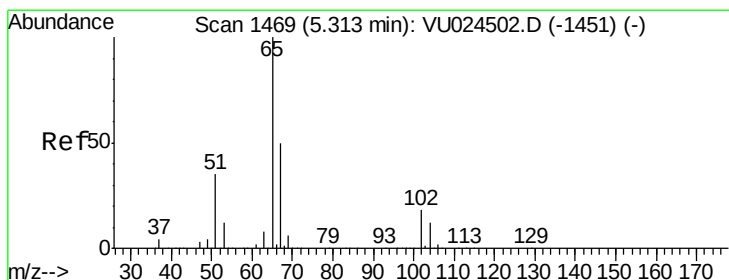
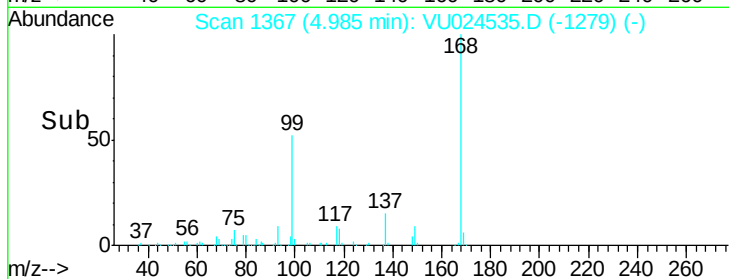
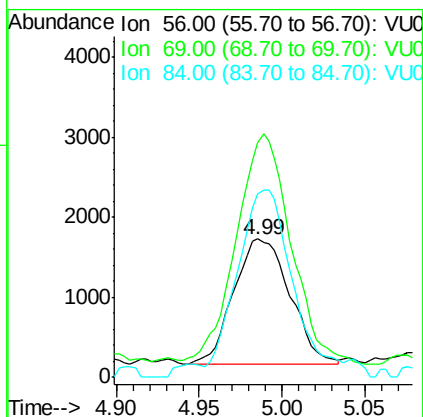
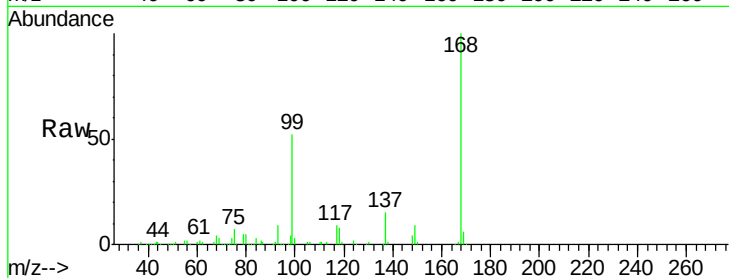




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024535.D
Acq: 14 Jun 2018 13:25

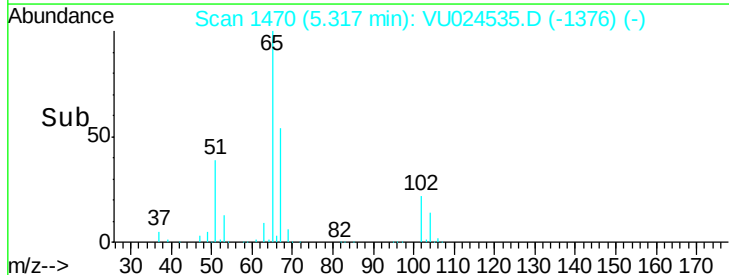
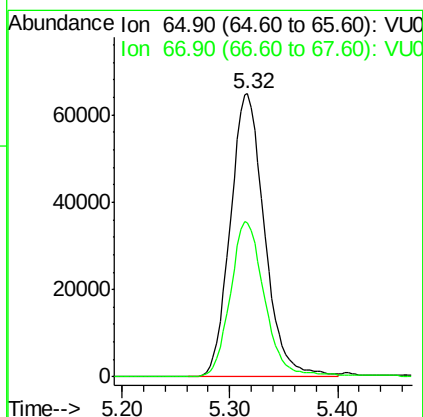
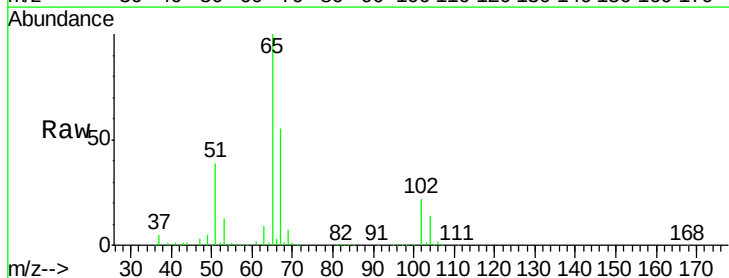
Instrument :
MSVOA_U
ClientSampleId :

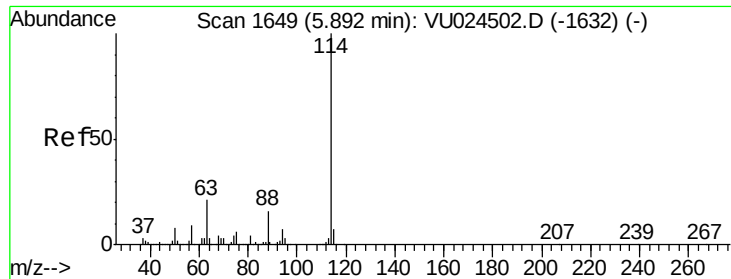
Tot Ion: 56 Resp: 3655
Ion Ratio Lower Upper
56 100
69 172.4 24.8 37.2#
84 135.7 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 44.403 ug/l
RT: 5.32 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VU024535.D
Acq: 14 Jun 2018 13:25

Tgt Ion: 65 Resp: 143529
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.0

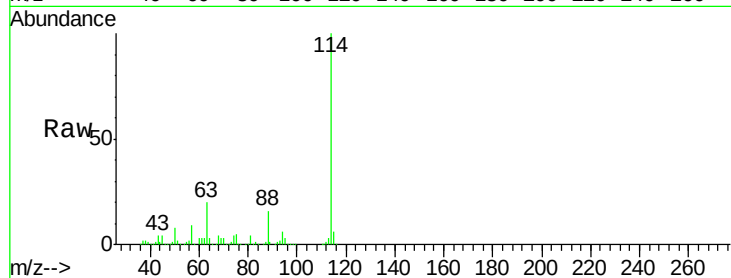




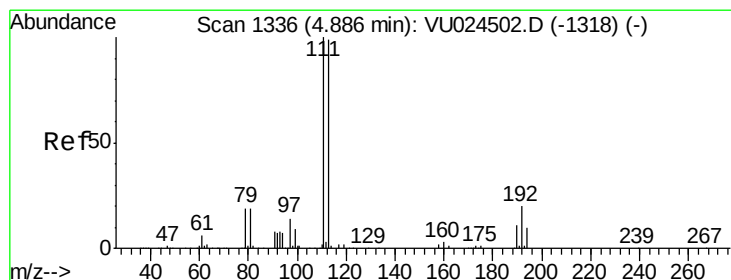
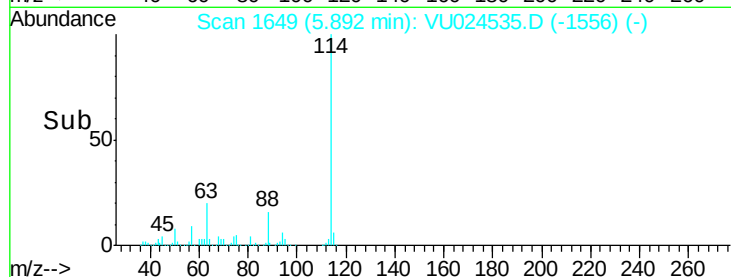
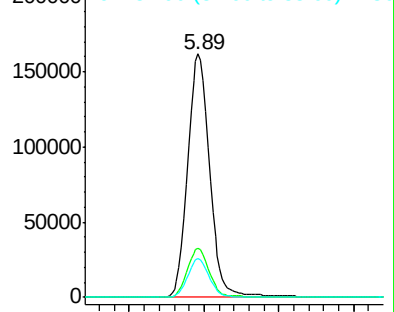
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU024535.D
Acq: 14 Jun 2018 13:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	45.4
88	16.0	0.0	31.0

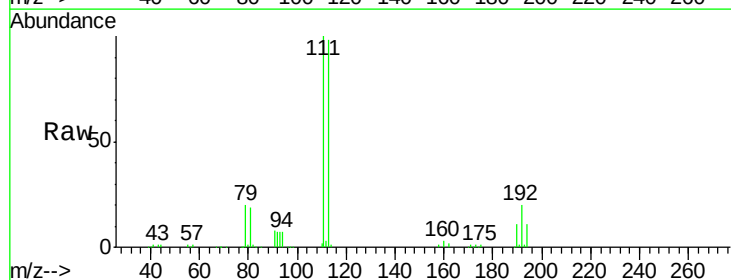


Abundance Ion 113.90 (113.60 to 114.60): V

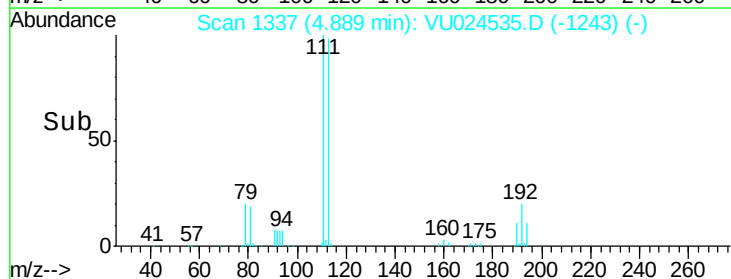
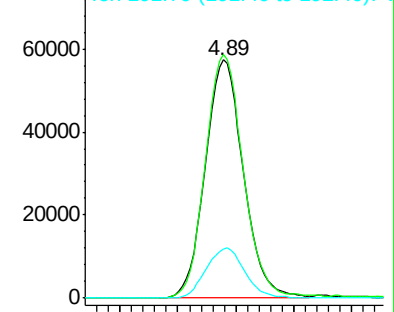


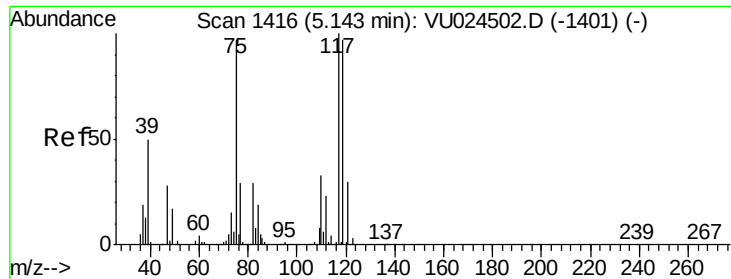
#35
Dibromofluoromethane
Concen: 47.749 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU024535.D
Acq: 14 Jun 2018 13:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	21.4	16.2	24.4



Abundance Ion 112.80 (112.50 to 113.50): V





#36

1,1-Dichloropropene

Concen: 3.466 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024535.D

Acq: 14 Jun 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

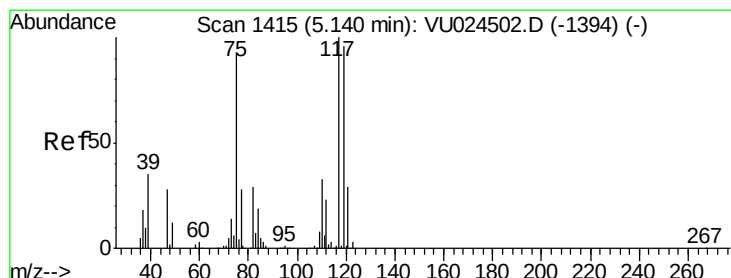
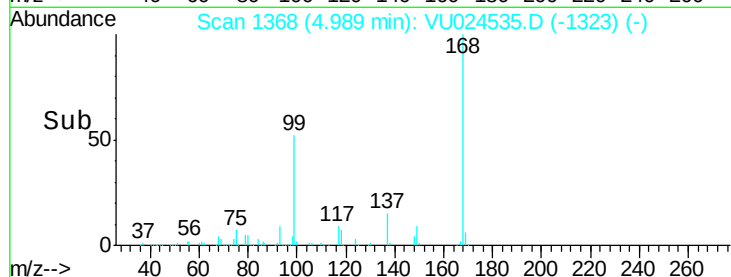
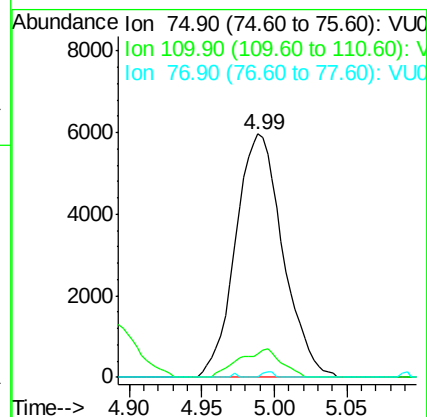
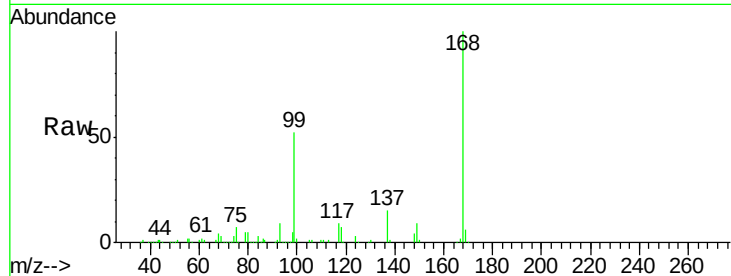
Tot Ion: 75 Resp: 13489

Ion Ratio Lower Upper

75 100

110 10.6 17.0 50.9#

77 0.5 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.336 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.15 min

Lab File: VU024535.D

Acq: 14 Jun 2018 13:25

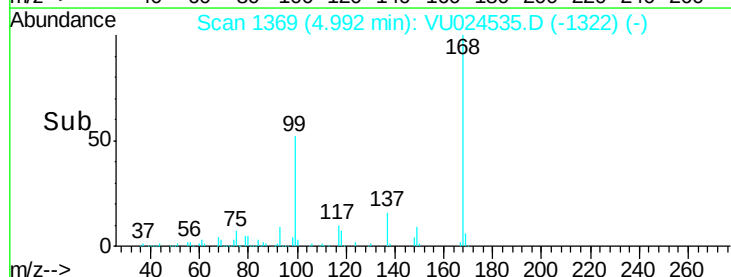
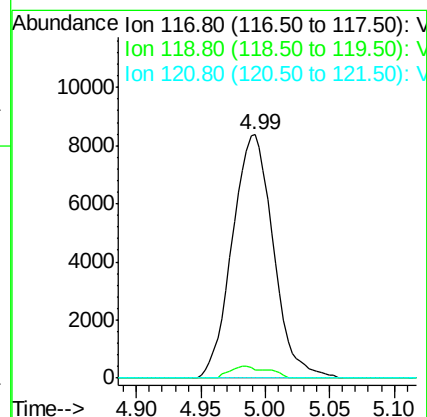
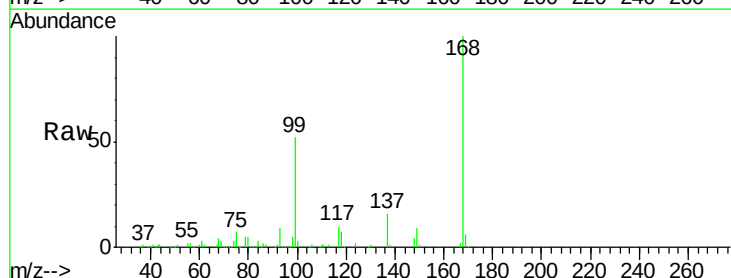
Tgt Ion: 117 Resp: 18559

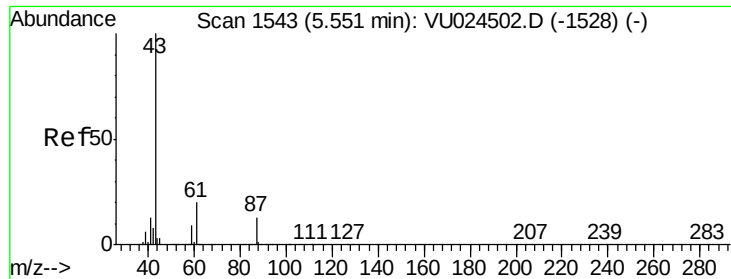
Ion Ratio Lower Upper

117 100

119 3.6 76.1 114.1#

121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 2.131 ug/l

RT: 5.82 min Scan# 1627

Delta R.T. 0.27 min

Lab File: VU024535.D

Acq: 14 Jun 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

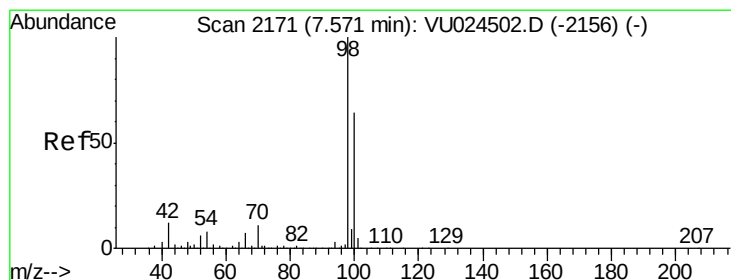
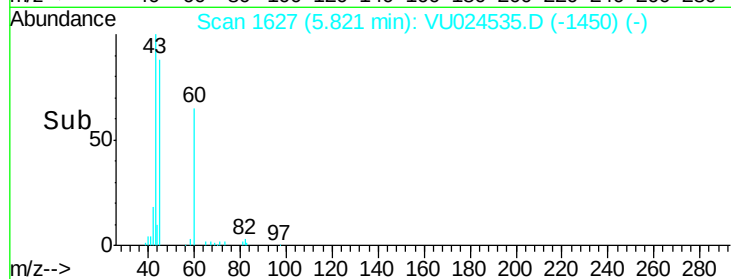
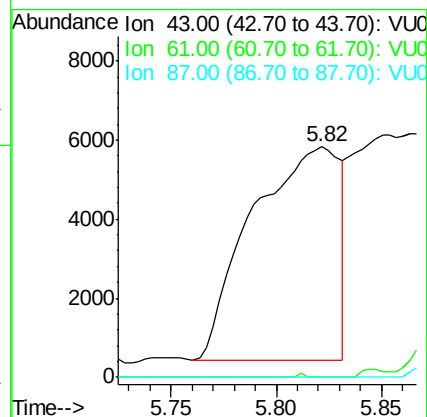
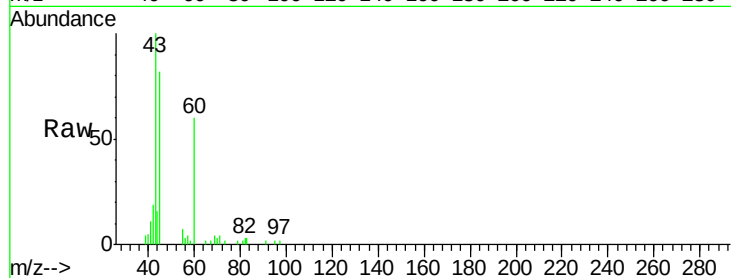
Tot Ion: 43 Resp: 15629

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

87 0.0 10.0 15.0#



#50

Toluene-d8

Concen: 47.499 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024535.D

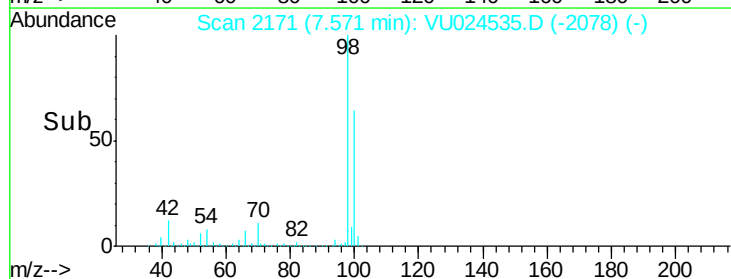
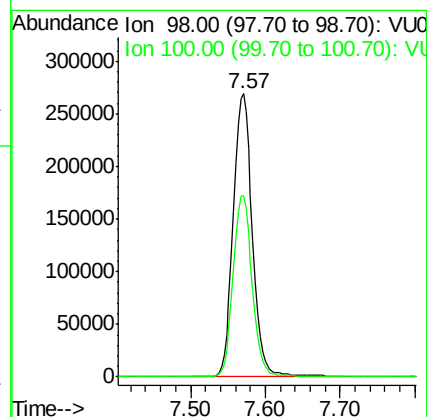
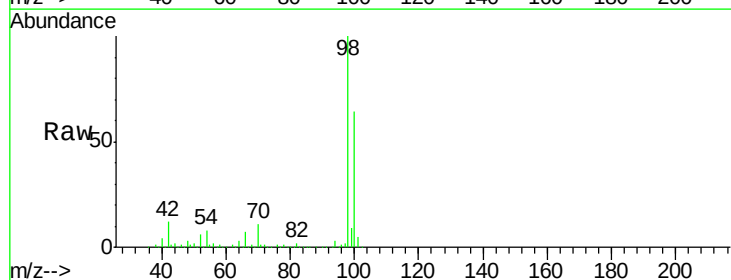
Acq: 14 Jun 2018 13:25

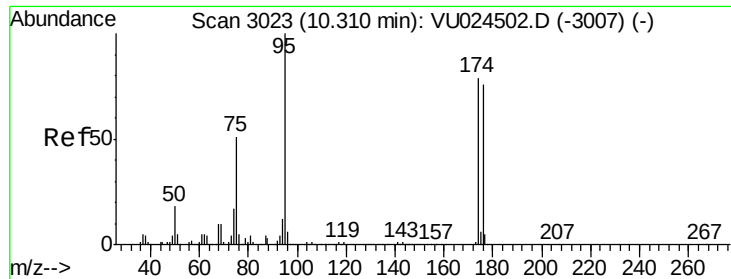
Tgt Ion: 98 Resp: 476283

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 46.817 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024535.D

Acq: 14 Jun 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

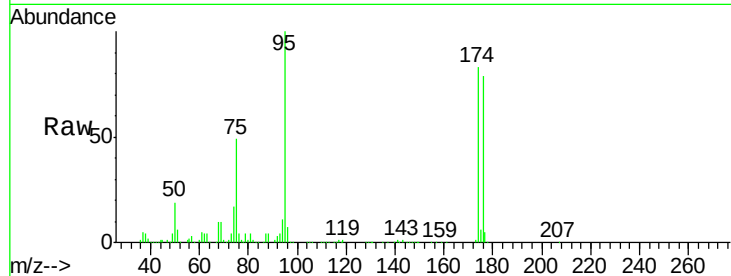
Tot Ion: 95 Resp: 186387

Ion Ratio Lower Upper

95 100

174 83.9 0.0 165.8

176 80.3 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024535.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024535.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024535.D (-2930) (-)

10.31

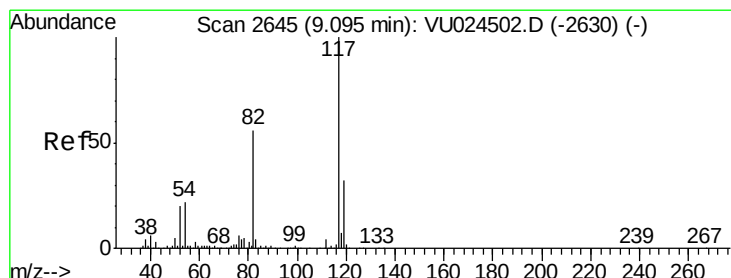
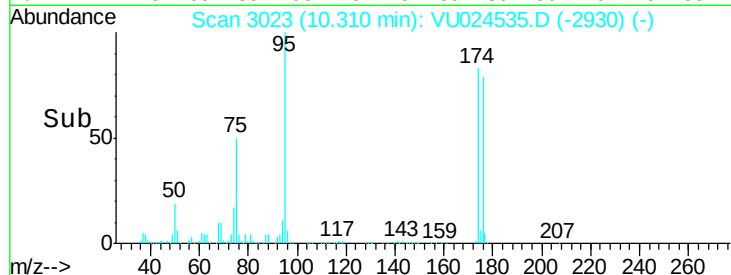
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024535.D

Acq: 14 Jun 2018 13:25

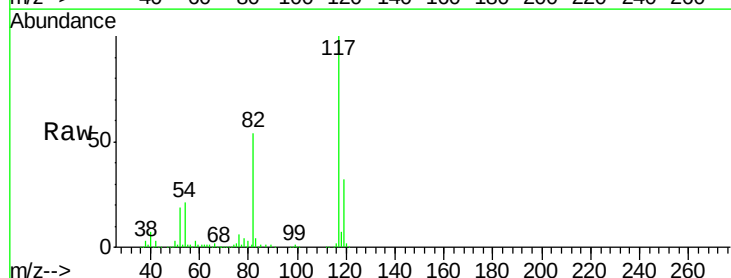
Tgt Ion: 117 Resp: 310437

Ion Ratio Lower Upper

117 100

82 53.9 44.3 66.5

119 32.0 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VU024535.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024535.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024535.D (-2552) (-)

9.09

250000

200000

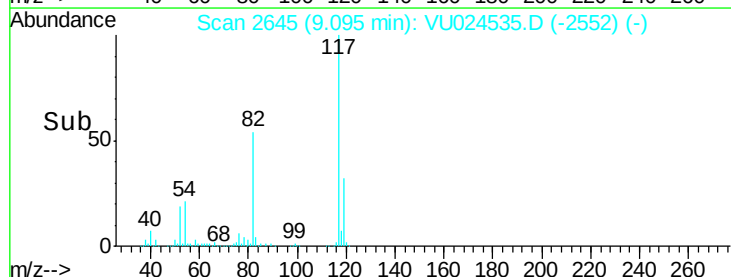
150000

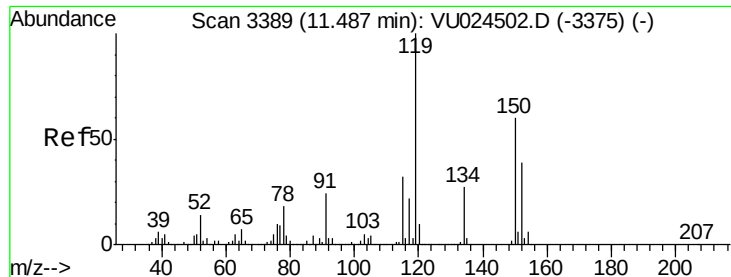
100000

50000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024535.D

Acq: 14 Jun 2018 13:25

Instrument :

MSVOA_U

ClientSampleId :

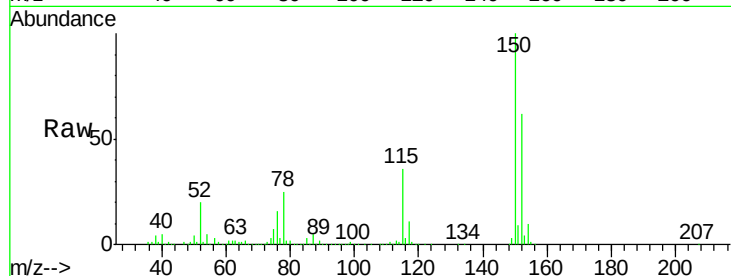
Tot Ion:152 Resp: 180459

Ion Ratio Lower Upper

152 100

115 57.9 43.0 129.0

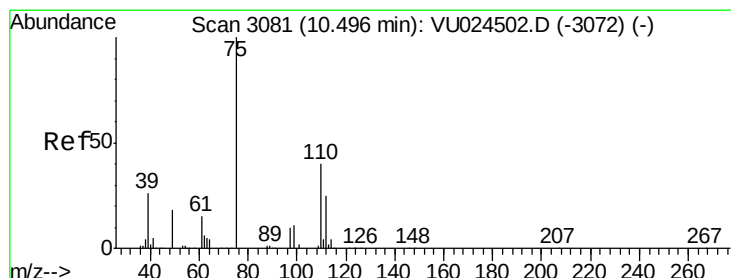
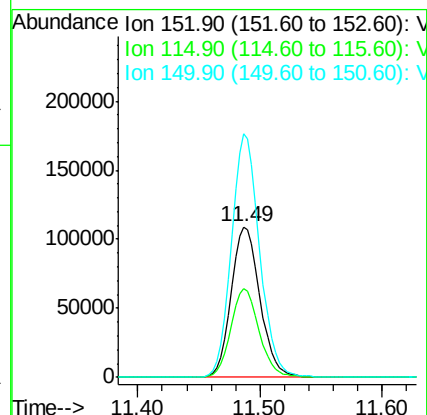
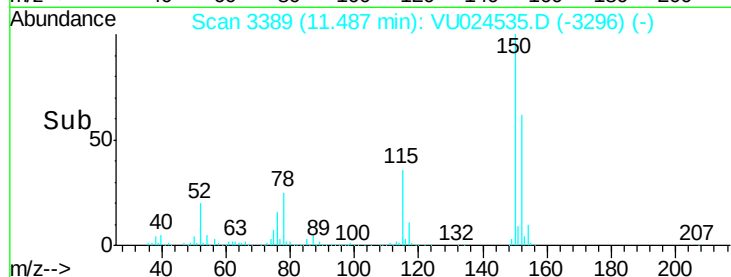
150 157.8 0.0 354.0



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: 23.074 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024535.D

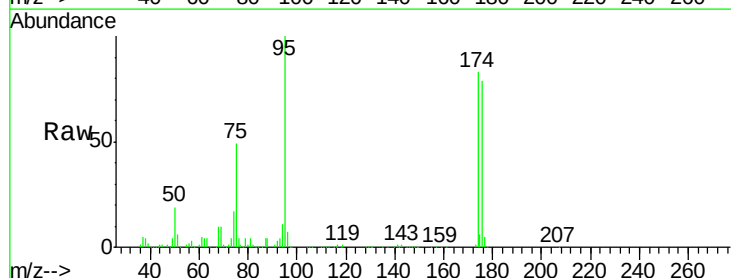
Acq: 14 Jun 2018 13:25

Tgt Ion: 75 Resp: 91676

Ion Ratio Lower Upper

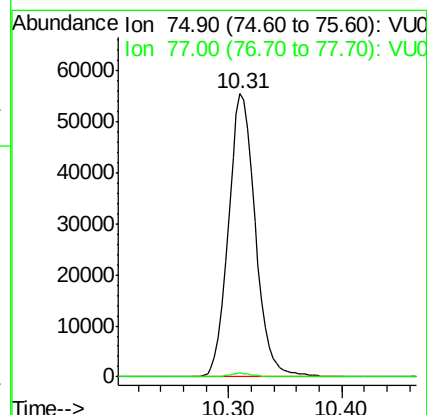
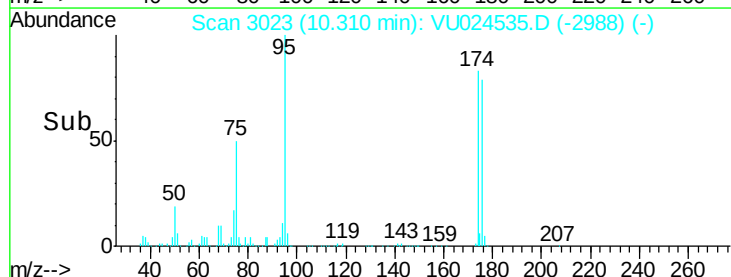
75 100

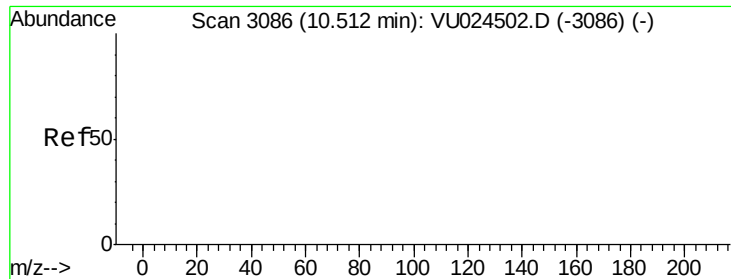
77 1.2 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

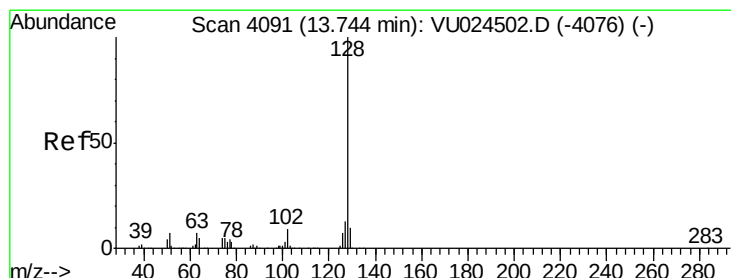
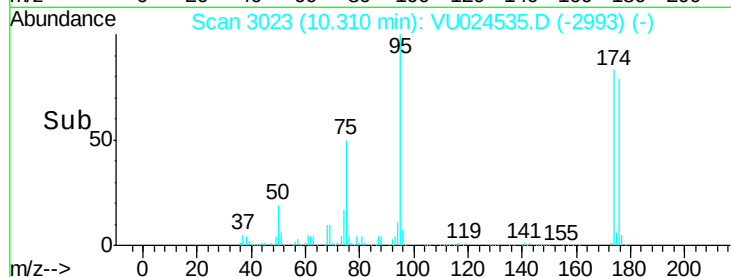
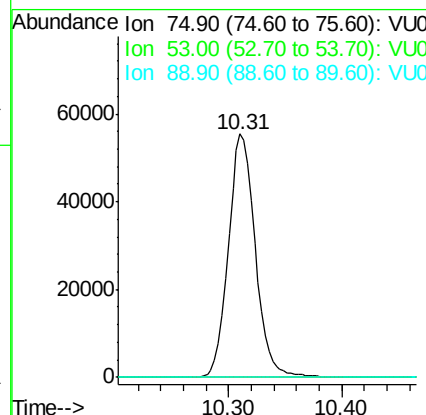
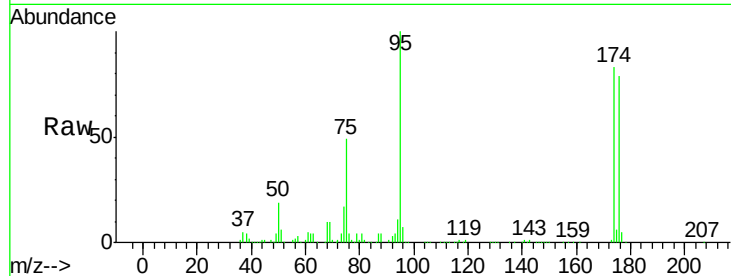




#81
trans-1,4-Dichloro-2-butene
Concen: 53.404 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024535.D
Acq: 14 Jun 2018 13:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 91676
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0#
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 0.723 ug/l
RT: 13.77 min Scan# 4100
Delta R.T. 0.03 min
Lab File: VU024535.D
Acq: 14 Jun 2018 13:25

Tgt Ion:128 Resp: 595
Ion Ratio Lower Upper
128 100
127 10.8 10.6 16.0
129 0.0 8.6 12.8#

