

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024564.D
 Acq On : 15 Jun 2018 01:22
 Operator : MD/SY
 Sample : J3452-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 05:12:55 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

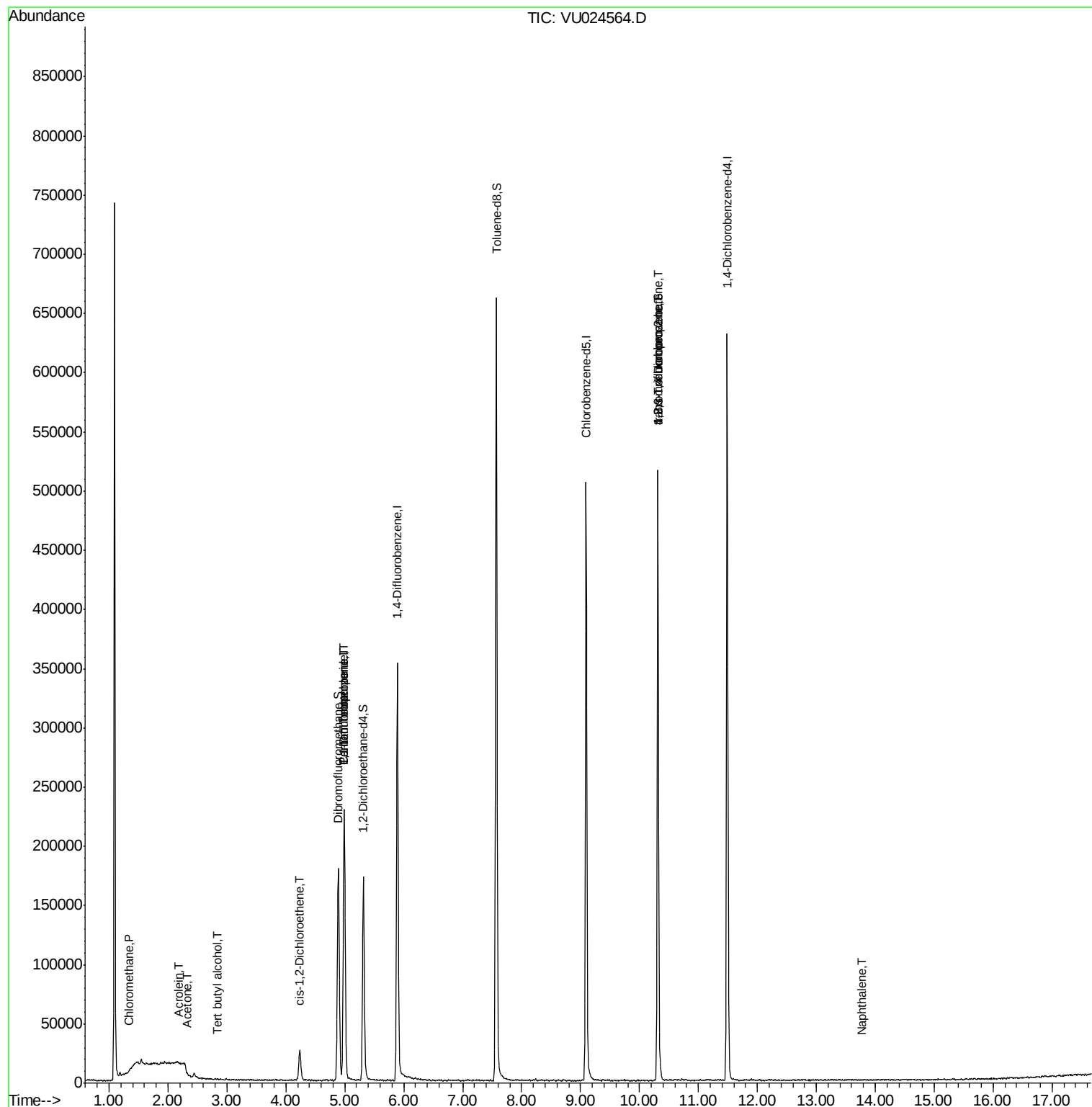
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	187322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	307509	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	295639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	172867	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	133769	43.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.48%	
35) Dibromofluoromethane	4.89	113	122901	48.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.32%	
50) Toluene-d8	7.57	98	458811	49.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	10.31	95	173605	46.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.94%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	501	0.209	ug/l	99
6) Chloroethane	1.70	64	117	Below Cal	#	43
8) Diethyl Ether	2.24	74	69	Below Cal		92
11) Tert butyl alcohol	2.84	59	220	0.296	ug/l #	94
13) Acrolein	2.18	56	137	0.351	ug/l #	13
16) Acetone	2.32	43	344	0.209	ug/l	93
27) cis-1,2-Dichloroethene	4.23	96	15900	5.887	ug/l	82
31) Cyclohexane	4.99	56	3676	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	12596	3.486	ug/l #	50
38) Carbon Tetrachloride	4.99	117	17019	4.283	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	84957	22.322	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	84957	51.663	ug/l #	100
95) Naphthalene	13.79	128	85	0.686	ug/l #	69

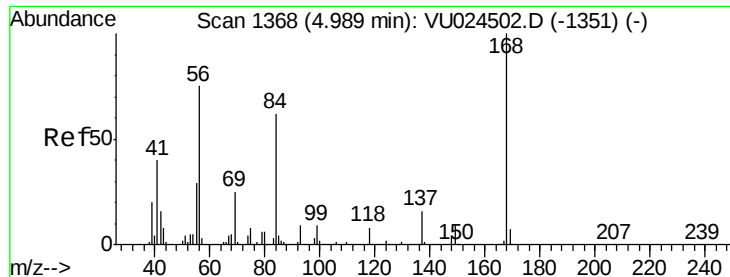
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VU024564.D

Acq: 15 Jun 2018 01:22

Instrument :

MSVOA_U

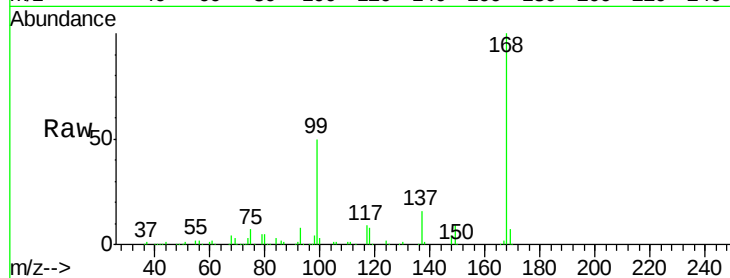
ClientSampleId :

Tot Ion:168 Resp: 187322

Ion Ratio Lower Upper

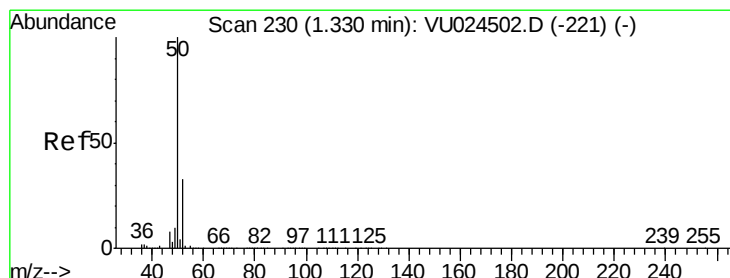
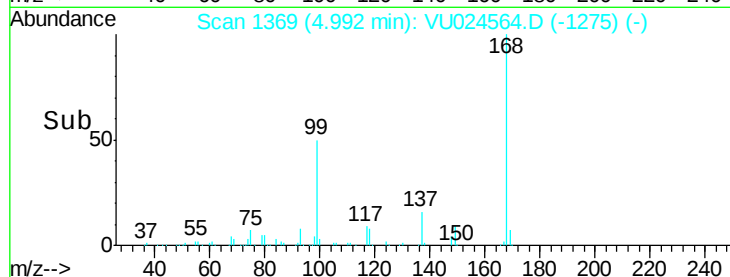
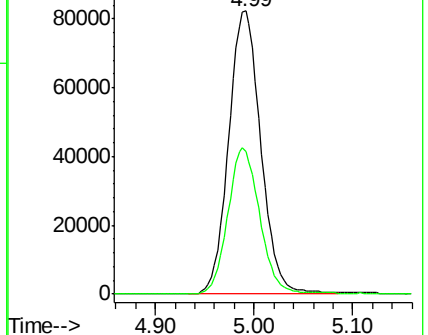
168 100

99 50.5 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) (-)



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024564.D

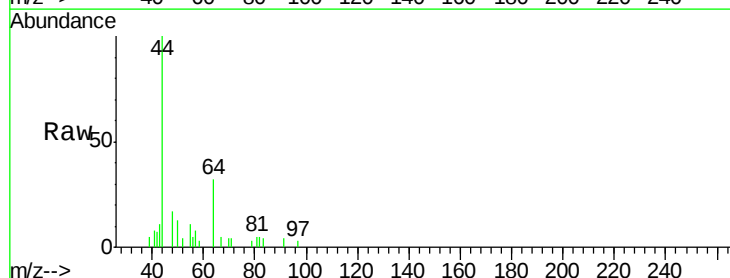
Acq: 15 Jun 2018 01:22

Tgt Ion: 50 Resp: 501

Ion Ratio Lower Upper

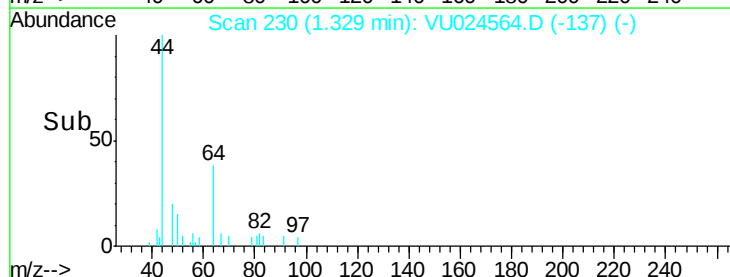
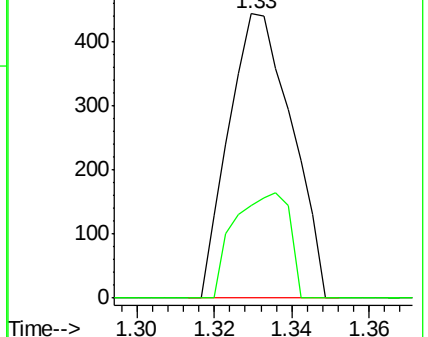
50 100

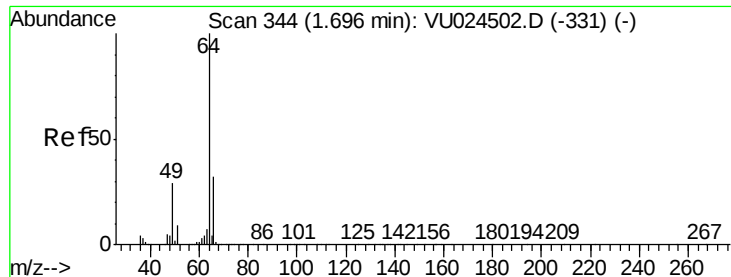
52 32.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024564.D

Acq: 15 Jun 2018 01:22

Instrument :

MSVOA_U

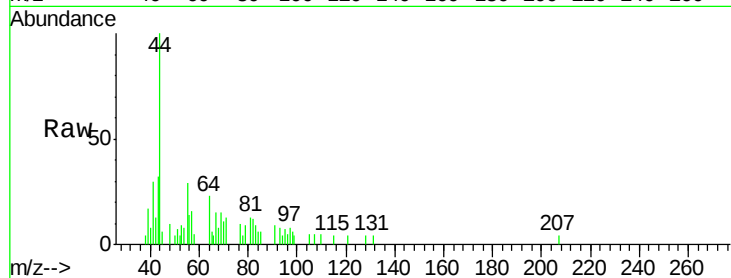
ClientSampleId :

Tot Ion: 64 Resp: 117

Ion Ratio Lower Upper

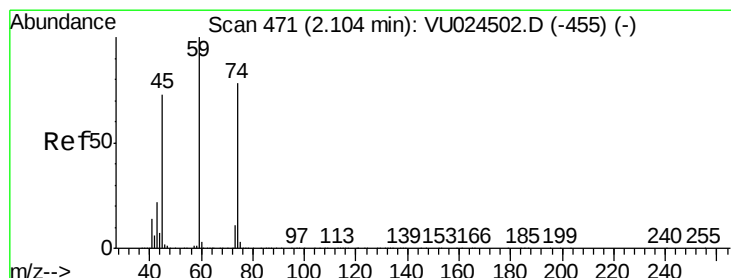
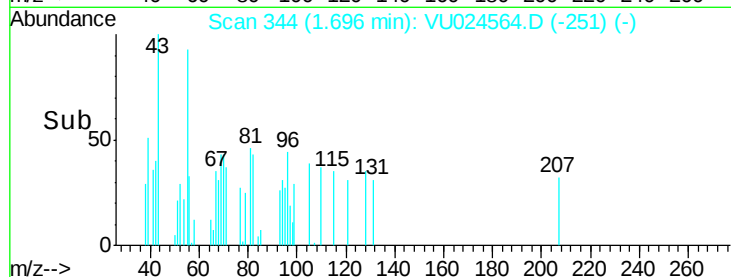
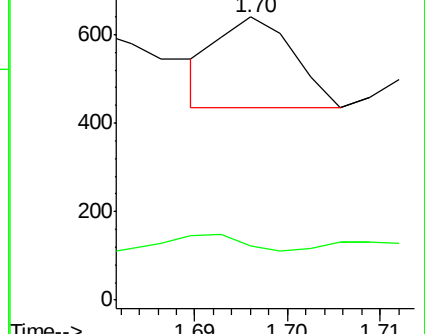
64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.24 min Scan# 514

Delta R.T. 0.14 min

Lab File: VU024564.D

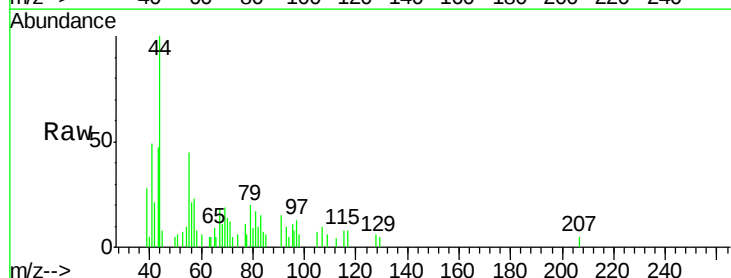
Acq: 15 Jun 2018 01:22

Tgt Ion: 74 Resp: 69

Ion Ratio Lower Upper

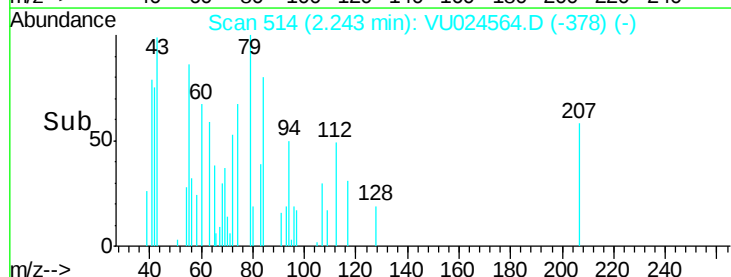
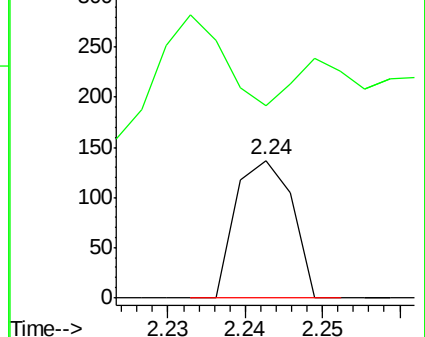
74 100

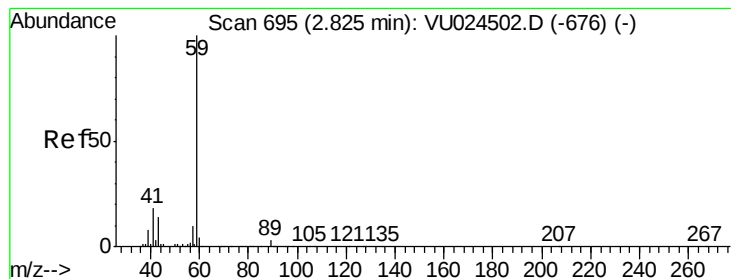
45 118.8 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



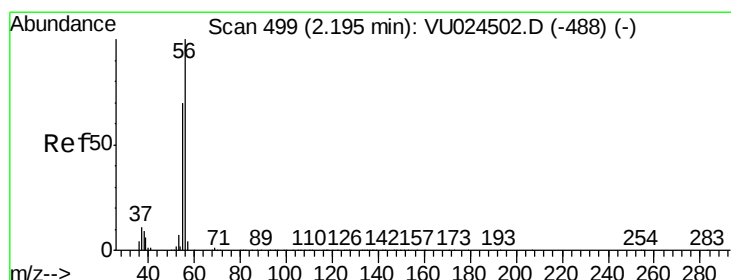
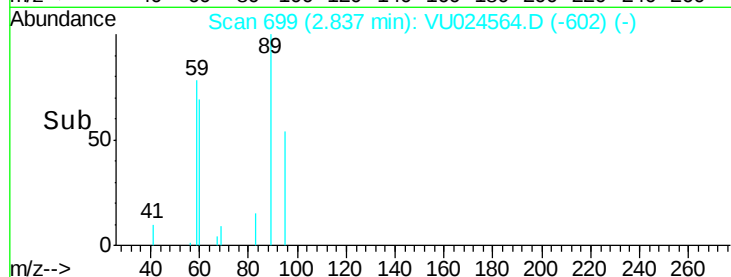
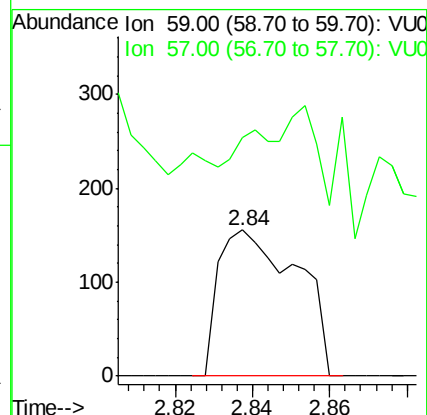
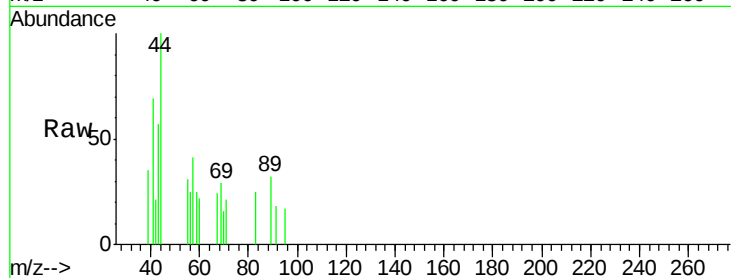


#11

Tert butyl alcohol
 Concen: 0.296 ug/l
 RT: 2.84 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: VU024564.D
 Acq: 15 Jun 2018 01:22

Instrument :
 MSVOA_U
 ClientSampleId :

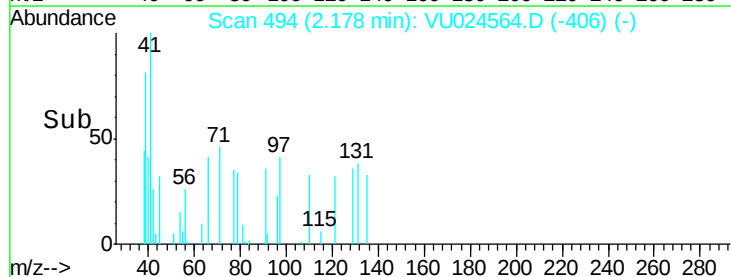
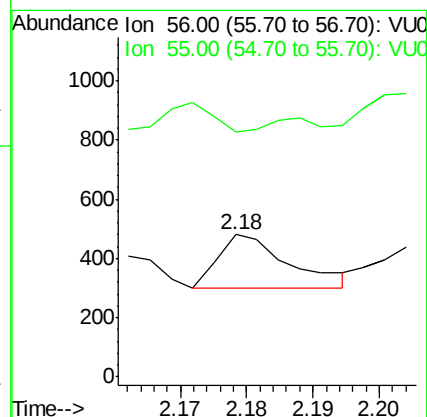
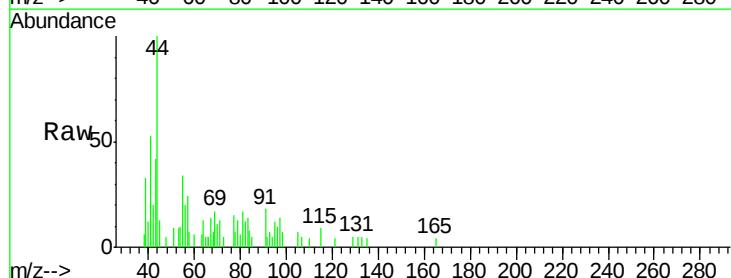
Tot Ion: 59 Resp: 220
 Ion Ratio Lower Upper
 59 100
 57 12.7 8.5 12.7#

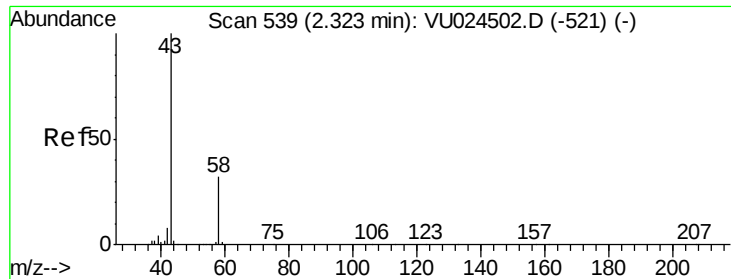


#13

Acrolein
 Concen: 0.351 ug/l
 RT: 2.18 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: VU024564.D
 Acq: 15 Jun 2018 01:22

Tgt Ion: 56 Resp: 137
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.4 87.6#





#16

Acetone

Concen: 0.209 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024564.D

Acq: 15 Jun 2018 01:22

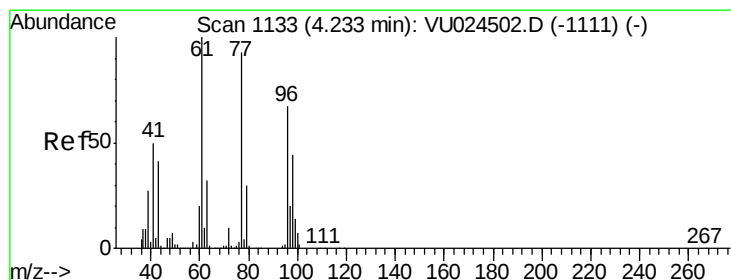
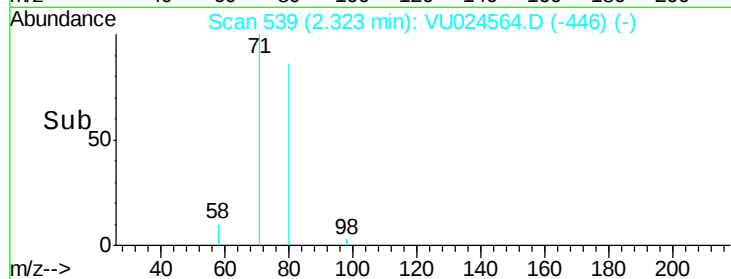
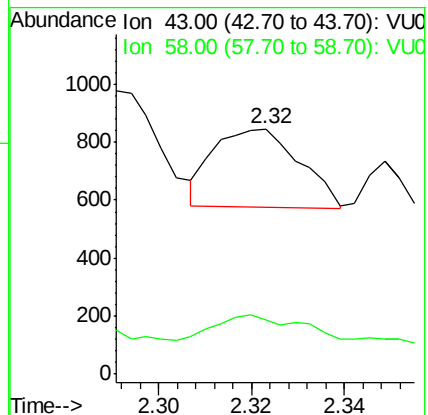
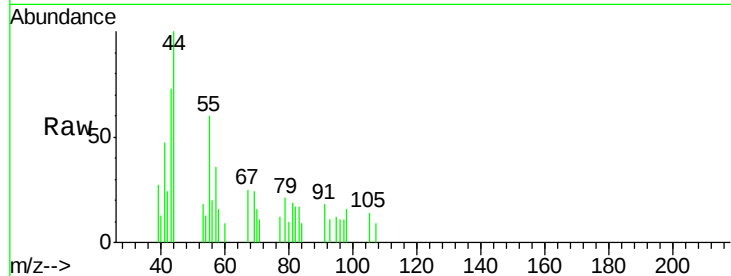
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 344

Ion Ratio Lower Upper

43 100

58 26.5 24.4 36.6



#27

cis-1,2-Dichloroethene

Concen: 5.887 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024564.D

Acq: 15 Jun 2018 01:22

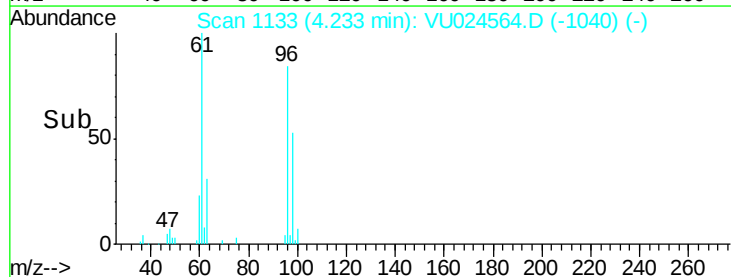
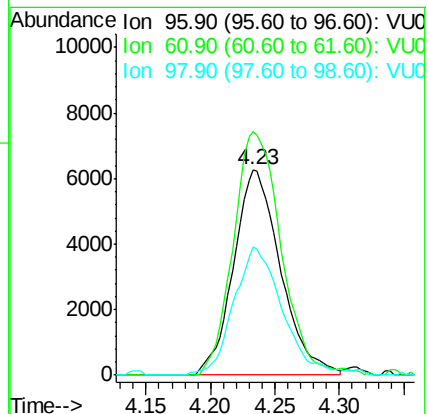
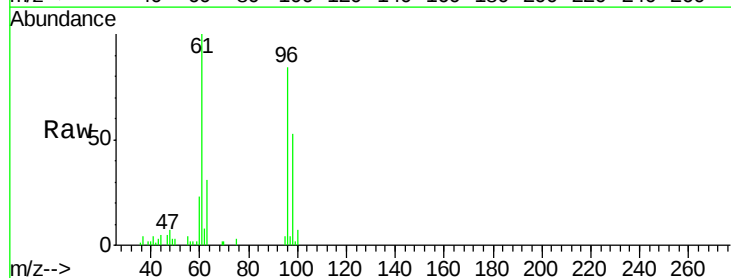
Tgt Ion: 96 Resp: 15900

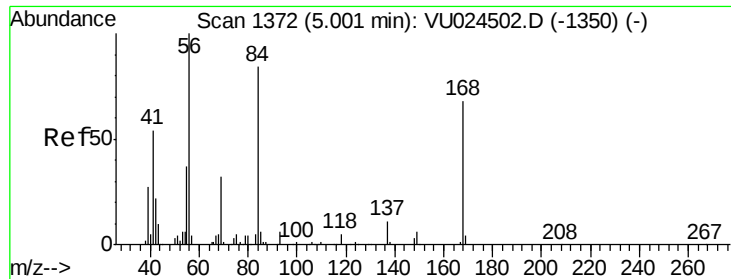
Ion Ratio Lower Upper

96 100

61 119.9 0.0 306.6

98 64.6 0.0 128.8

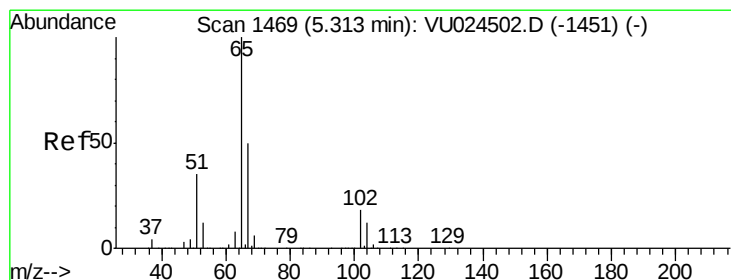
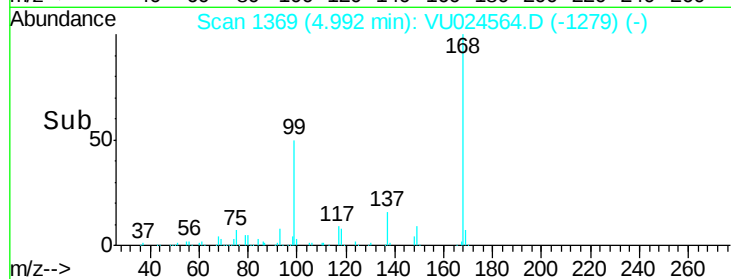
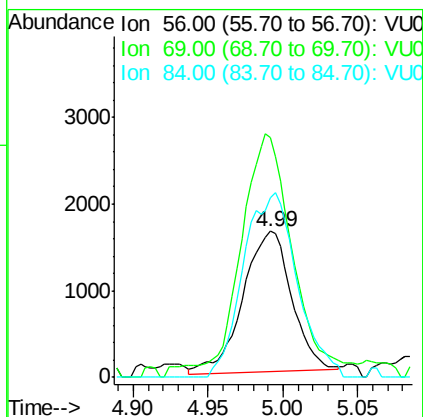
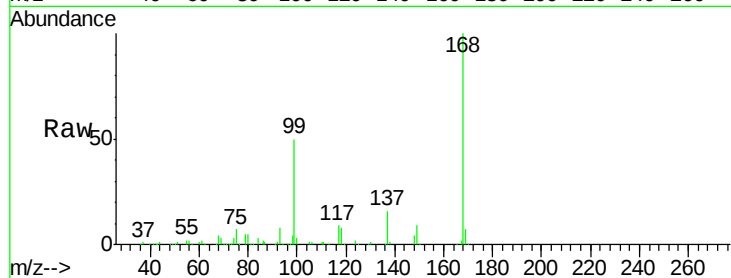




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU024564.D
Acq: 15 Jun 2018 01:22

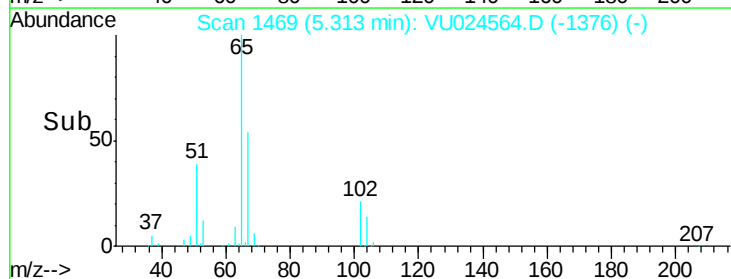
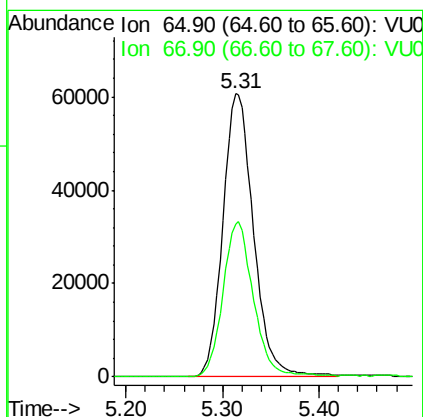
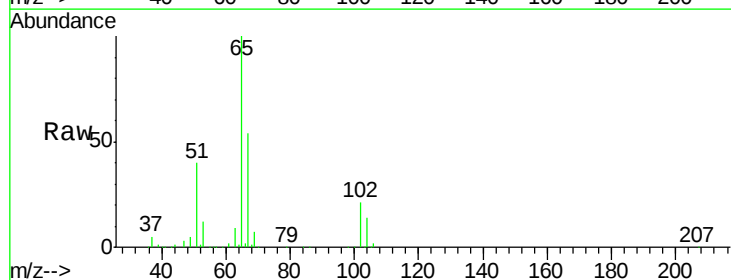
Instrument :
MSVOA_U
ClientSampleId :

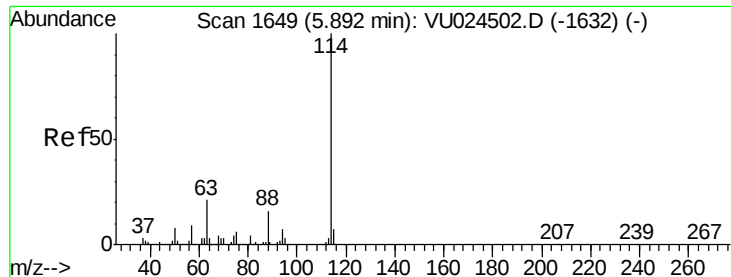
Tot Ion: 56 Resp: 3676
Ion Ratio Lower Upper
56 100
69 165.8 24.8 37.2#
84 130.9 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 43.743 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024564.D
Acq: 15 Jun 2018 01:22

Tgt Ion: 65 Resp: 133769
Ion Ratio Lower Upper
65 100
67 53.9 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: VU024564.D

Acq: 15 Jun 2018 01:22

Instrument :

MSVOA_U

ClientSampleId :

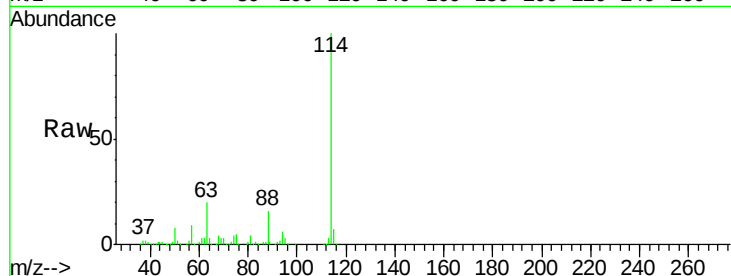
Tot Ion:114 Resp: 307509

Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.4

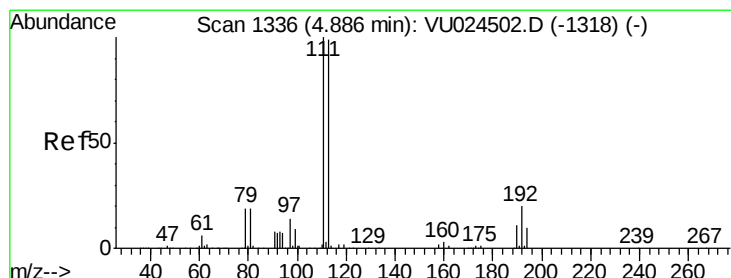
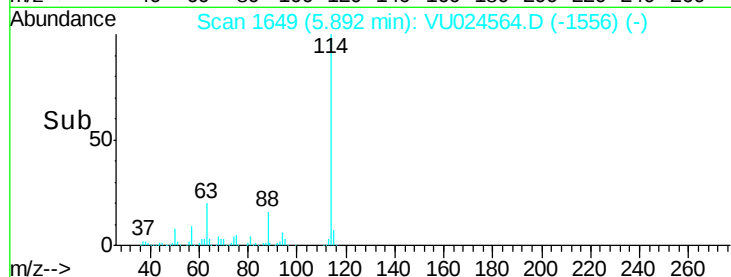
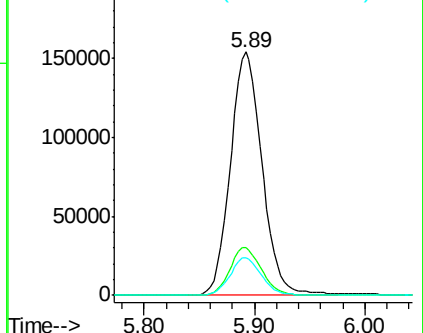
88 15.6 0.0 31.0



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: 48.157 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024564.D

Acq: 15 Jun 2018 01:22

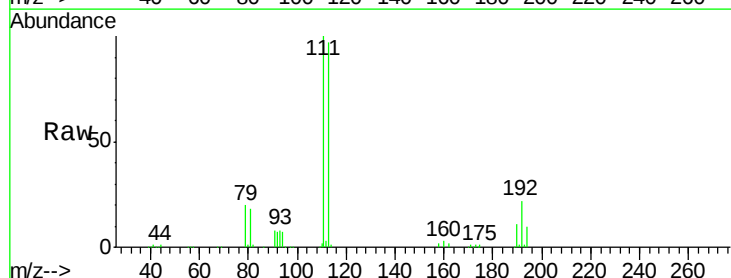
Tgt Ion:113 Resp: 122901

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

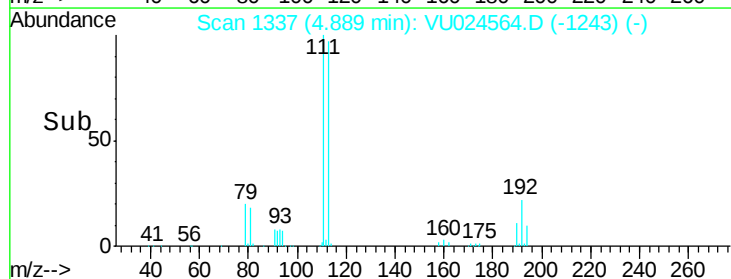
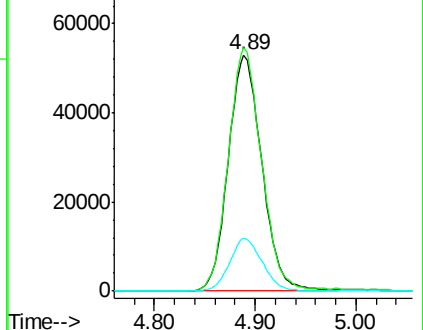
192 21.9 16.2 24.4

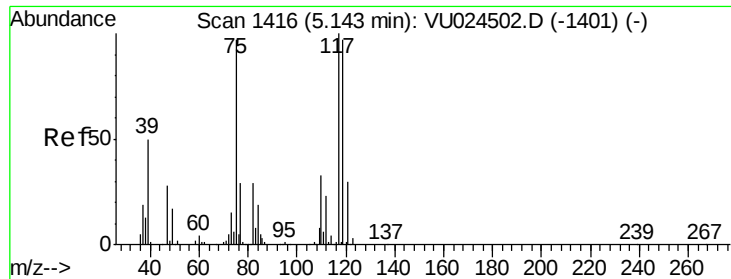


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.486 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.15 min

Lab File: VU024564.D

Acq: 15 Jun 2018 01:22

Instrument :

MSVOA_U

ClientSampleId :

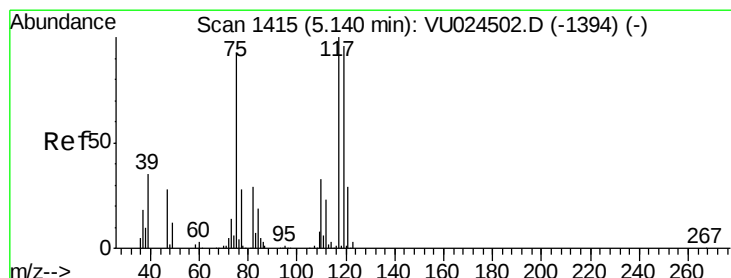
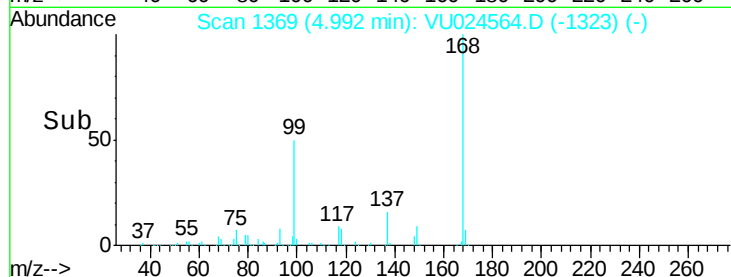
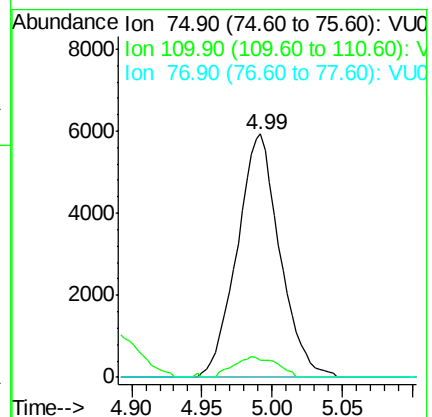
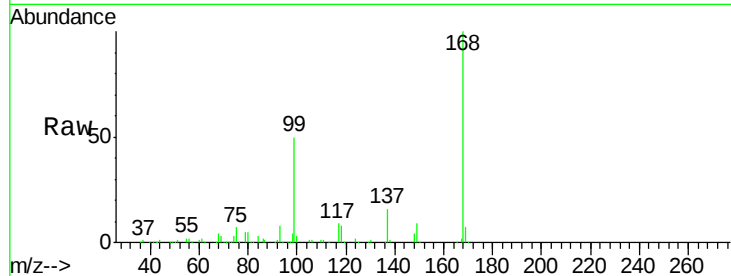
Tot Ion: 75 Resp: 12596

Ion Ratio Lower Upper

75 100

110 8.5 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.283 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024564.D

Acq: 15 Jun 2018 01:22

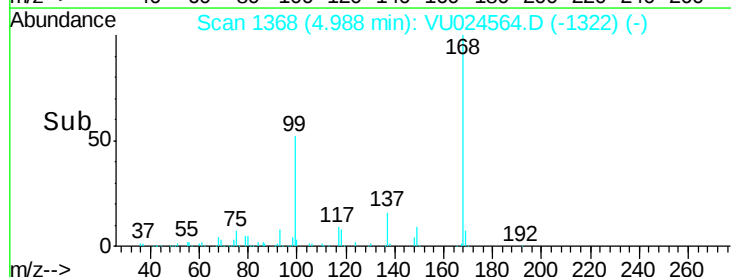
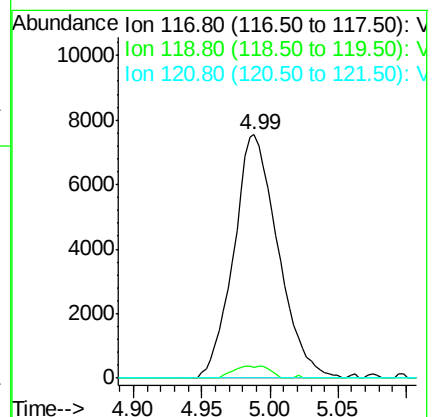
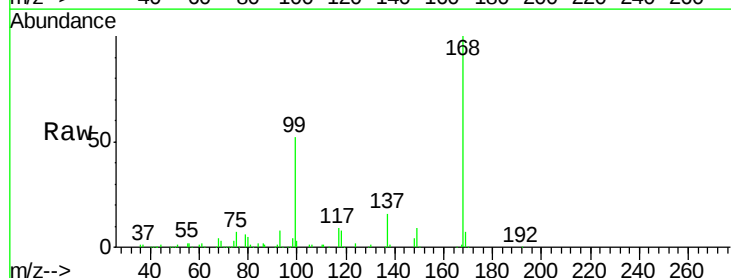
Tgt Ion: 117 Resp: 17019

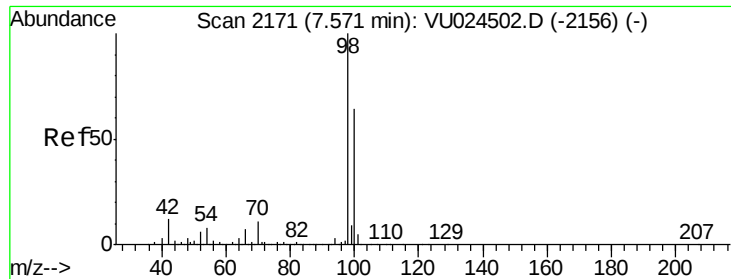
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 23.7 35.5#

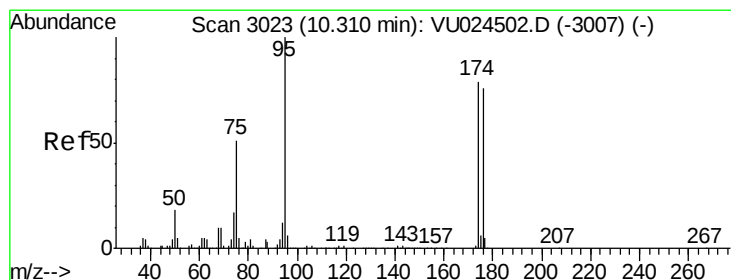
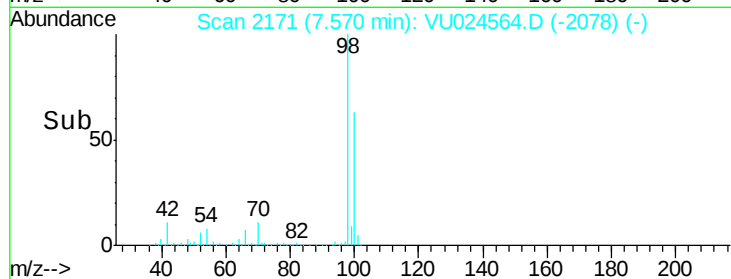
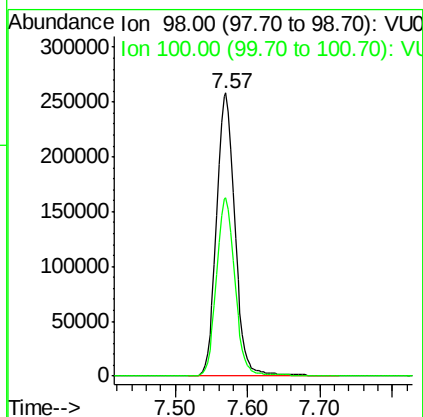
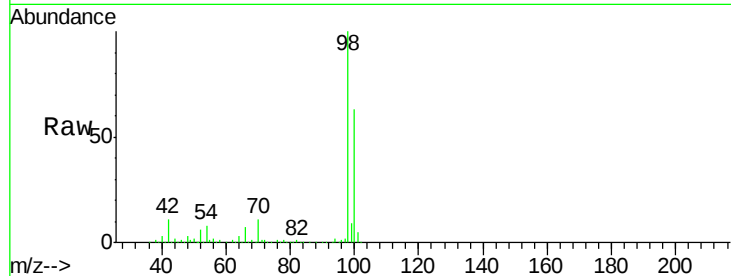




#50
Toluene-d8
Concen: 49.287 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024564.D
Acq: 15 Jun 2018 01:22

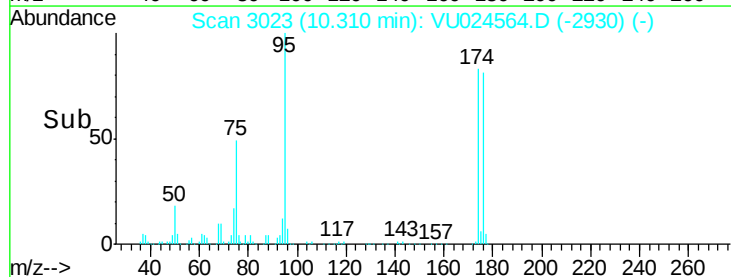
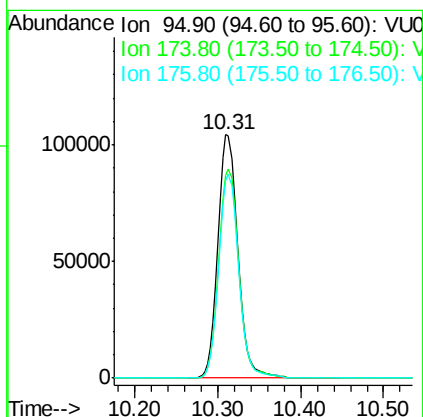
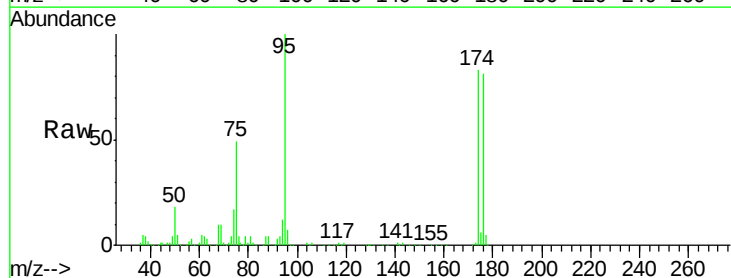
Instrument :
MSVOA_U
ClientSampleId :

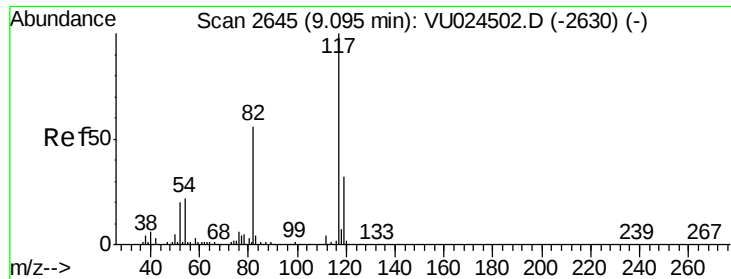
Tot Ion: 98 Resp: 458811
Ion Ratio Lower Upper
98 100
100 62.9 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 46.971 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024564.D
Acq: 15 Jun 2018 01:22

Tgt Ion: 95 Resp: 173605
Ion Ratio Lower Upper
95 100
174 86.6 0.0 165.8
176 83.5 0.0 159.4

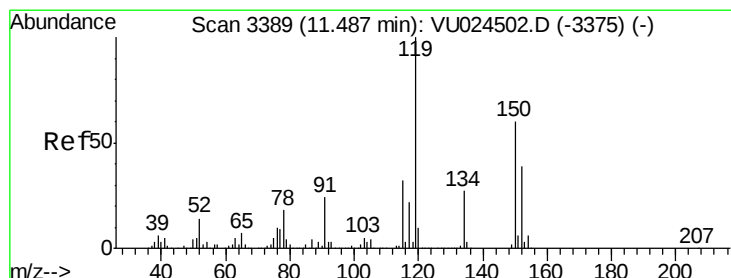
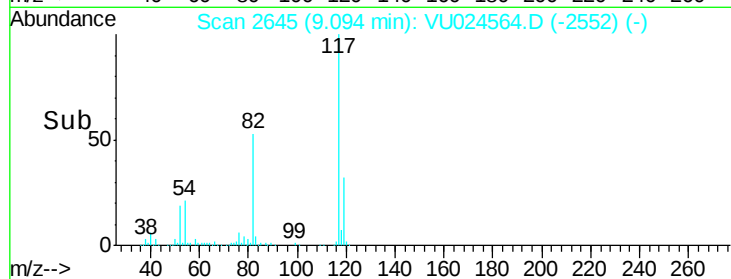
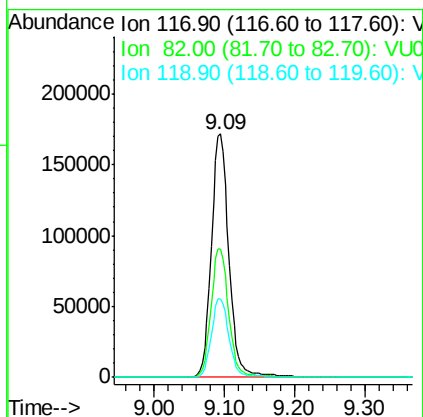
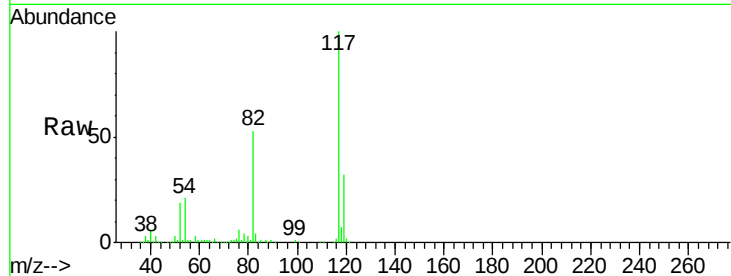




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024564.D
Acq: 15 Jun 2018 01:22

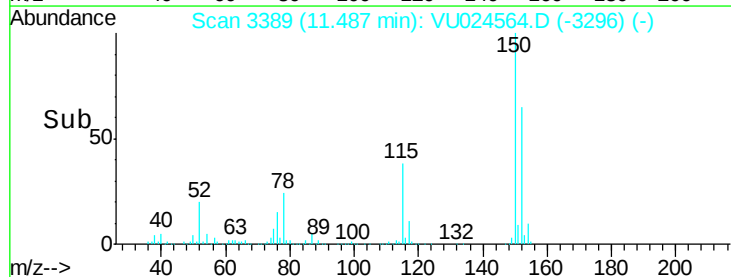
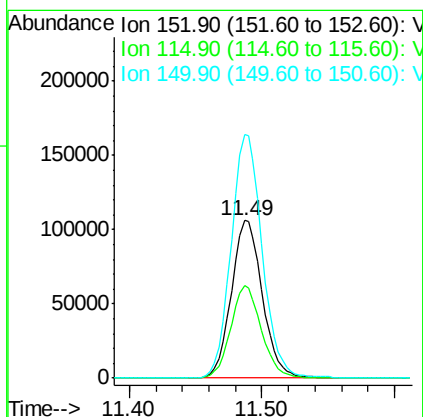
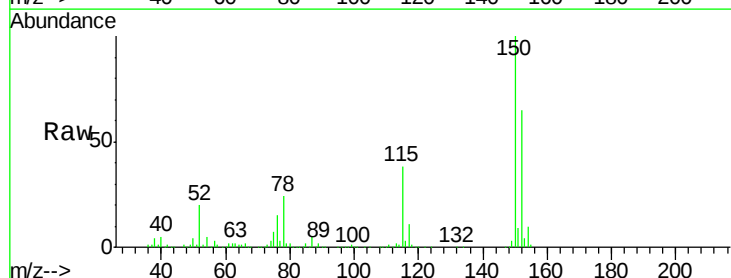
Instrument :
MSVOA_U
ClientSampleId :

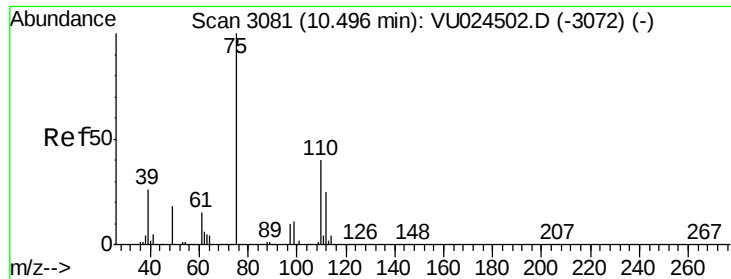
Tot Ion:117 Resp: 295639
Ion Ratio Lower Upper
117 100
82 53.0 44.3 66.5
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024564.D
Acq: 15 Jun 2018 01:22

Tgt Ion:152 Resp: 172867
Ion Ratio Lower Upper
152 100
115 57.9 43.0 129.0
150 155.0 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 22.322 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU024564.D

Acq: 15 Jun 2018 01:22

Instrument :

MSVOA_U

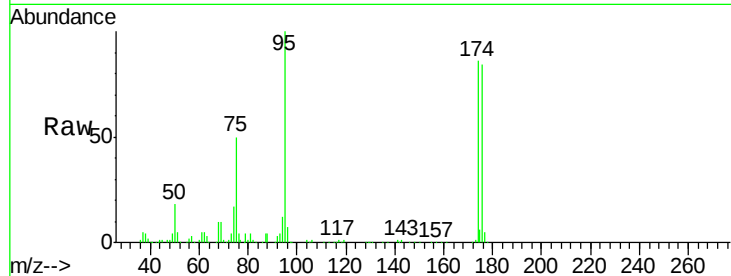
ClientSampleId :

Tot Ion: 75 Resp: 84957

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

60000

50000

40000

30000

20000

10000

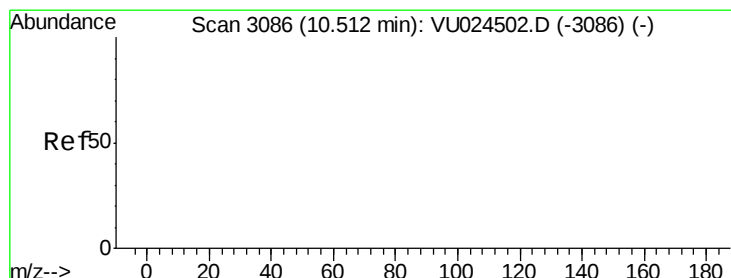
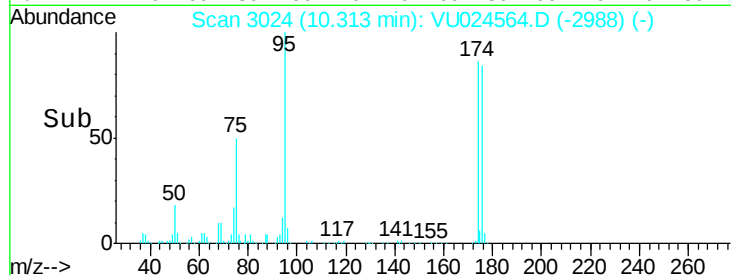
0

10.31

10.30

10.40

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 51.663 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.20 min

Lab File: VU024564.D

Acq: 15 Jun 2018 01:22

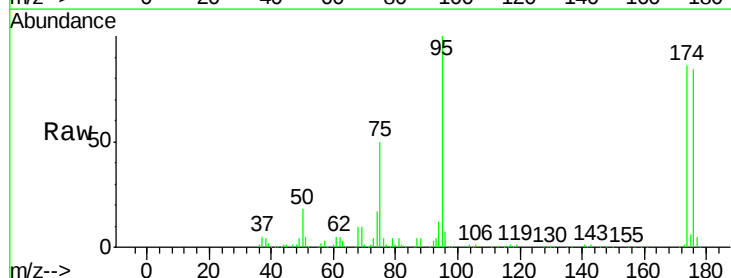
Tgt Ion: 75 Resp: 84957

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

60000

40000

20000

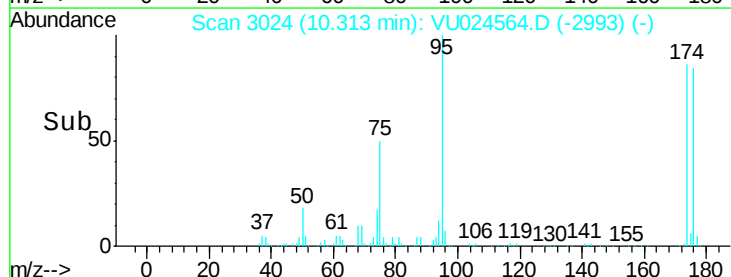
0

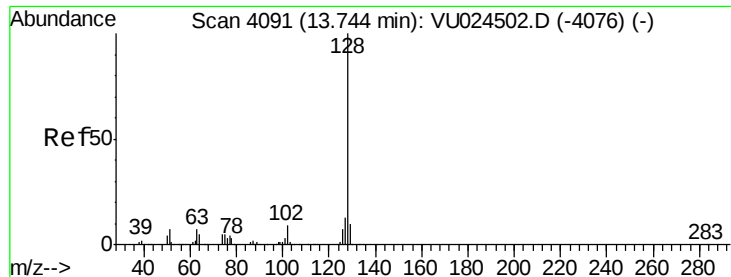
10.31

10.30

10.40

Time-->

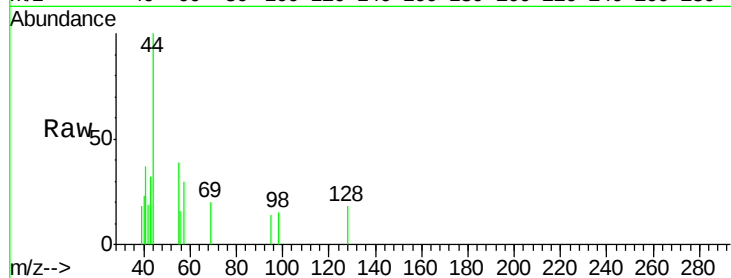




#95
Naphthalene
Concen: 0.686 ug/l
RT: 13.79 min Scan# 4104
Delta R.T. 0.04 min
Lab File: VU024564.D
Acq: 15 Jun 2018 01:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

