

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024567.D
 Acq On : 15 Jun 2018 02:31
 Operator : MD/SY
 Sample : J3478-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 05:13:25 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

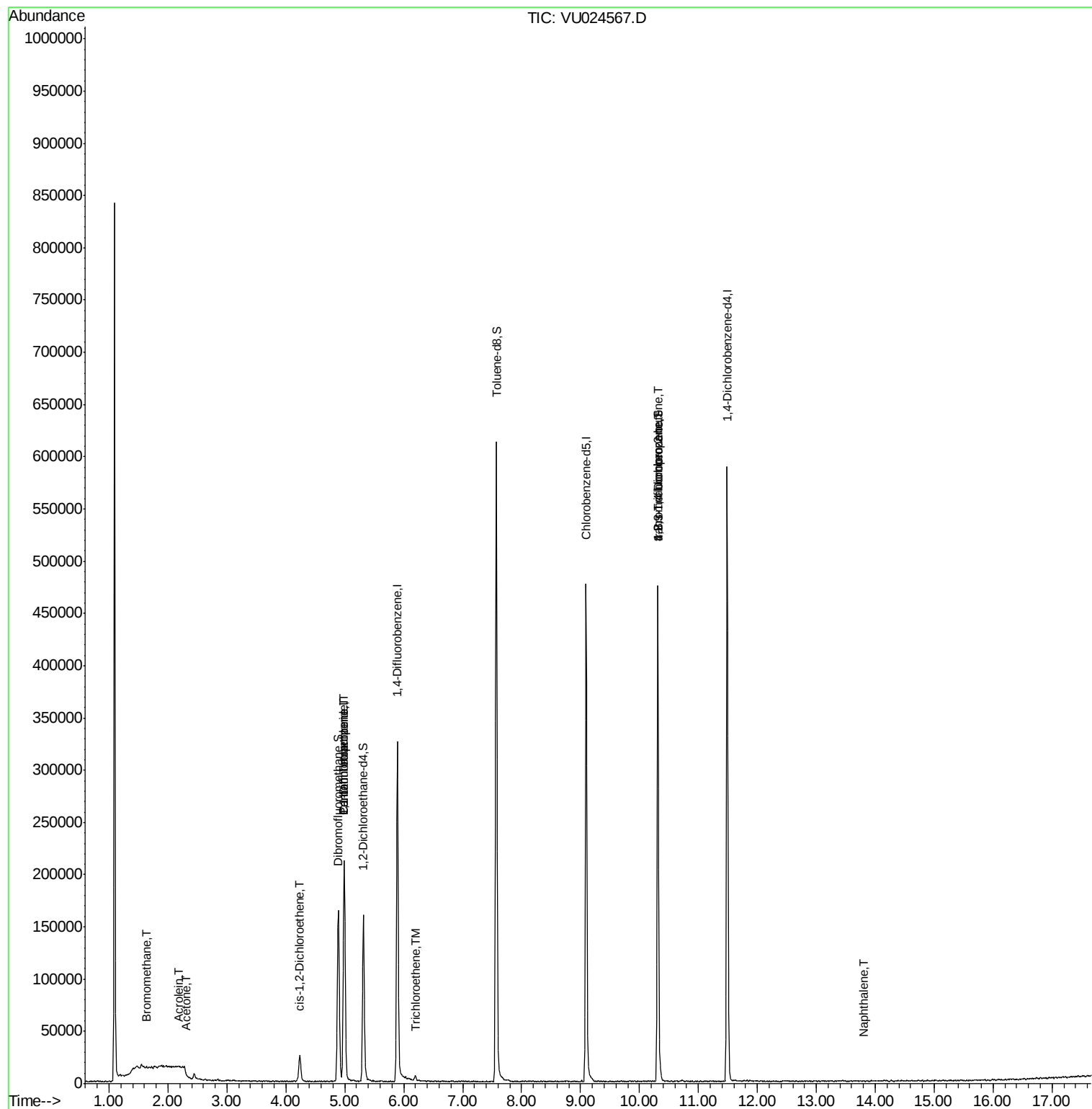
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	171633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	284628	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	162928	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	123909	44.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.44%	
35) Dibromofluoromethane	4.89	113	112658	47.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.38%	
50) Toluene-d8	7.57	98	425852	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	10.31	95	162793	47.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.18%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	249	0.228	ug/l #	4
6) Chloroethane	1.72	64	192	Below Cal	#	43
8) Diethyl Ether	1.94	74	20	Below Cal	#	24
13) Acrolein	2.19	56	218	0.609	ug/l #	60
16) Acetone	2.32	43	424	0.282	ug/l #	46
27) cis-1,2-Dichloroethene	4.24	96	15543	6.281	ug/l	80
31) Cyclohexane	4.99	56	3311	Below Cal	#	13
36) 1,1-Dichloropropene	4.99	75	11717	3.503	ug/l #	50
38) Carbon Tetrachloride	4.99	117	16358	4.448	ug/l #	16
44) Trichloroethene	6.19	130	1675	0.618	ug/l	95
76) 1,2,3-Trichloropropane	10.31	75	79677	22.212	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	79677	51.408	ug/l #	100
95) Naphthalene	13.80	128	41	0.683	ug/l #	39

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

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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: VU024567.D

Acq: 15 Jun 2018 02:31

Instrument :

MSVOA_U

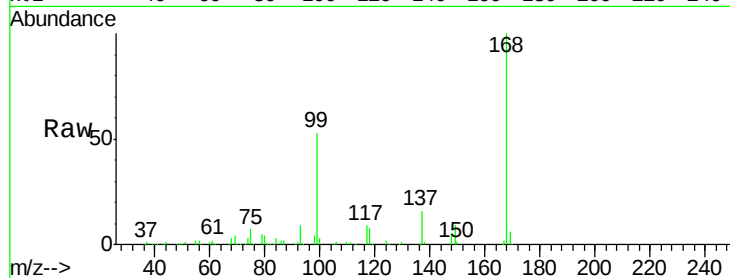
ClientSampleId :

Tot Ion:168 Resp: 171633

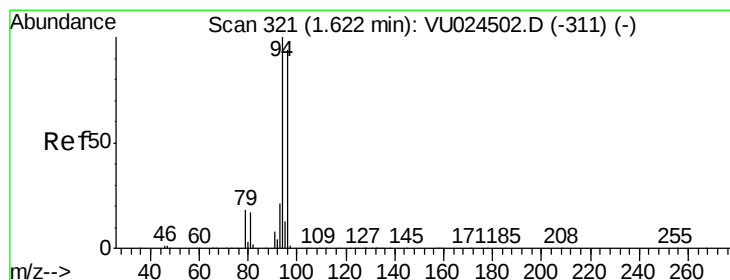
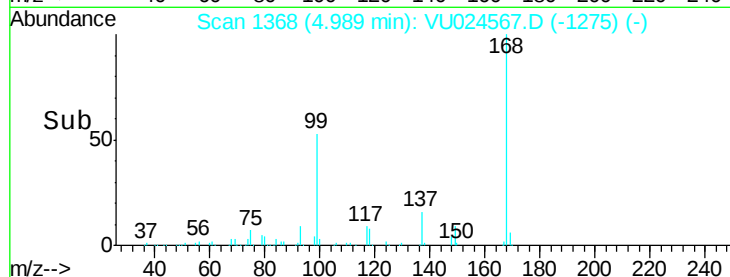
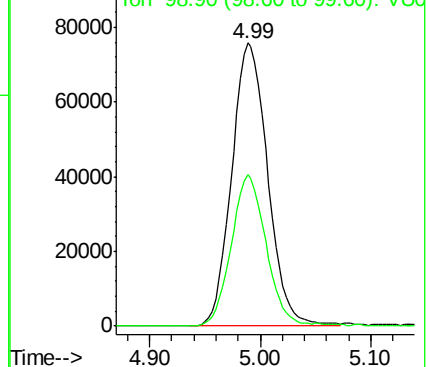
Ion Ratio Lower Upper

168 100

99 53.3 43.2 64.8



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



#5

Bromomethane

Concen: 0.228 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024567.D

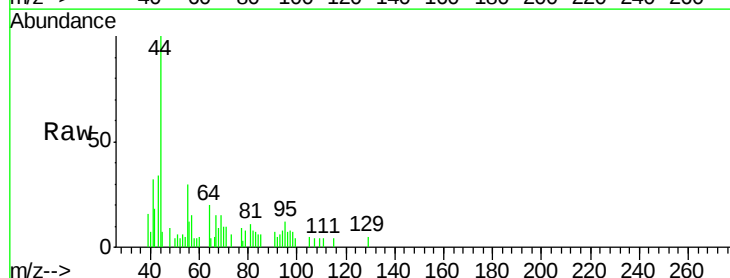
Acq: 15 Jun 2018 02:31

Tgt Ion: 94 Resp: 249

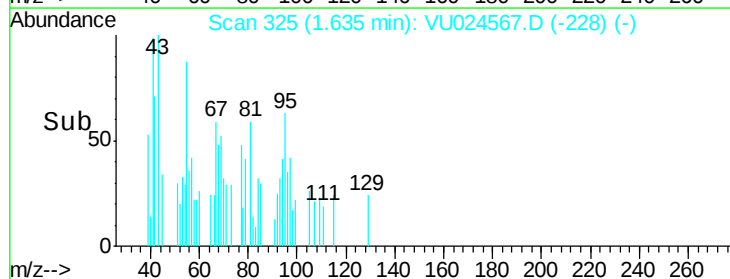
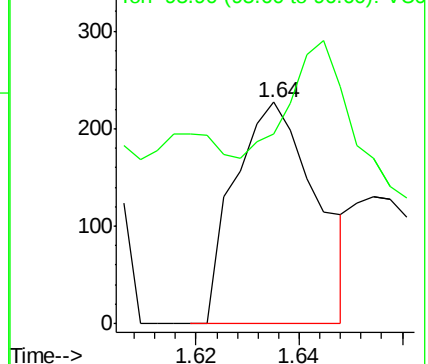
Ion Ratio Lower Upper

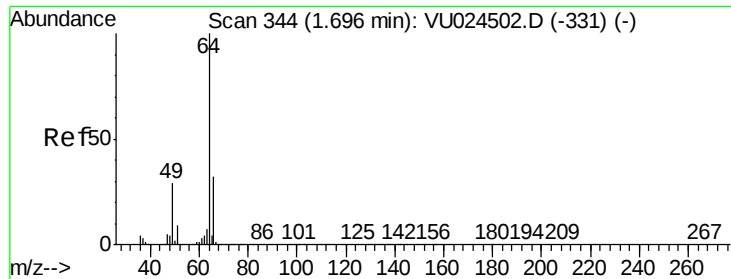
94 100

96 0.4 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU024502.D (-311) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 350

Delta R.T. 0.02 min

Lab File: VU024567.D

Acq: 15 Jun 2018 02:31

Instrument :

MSVOA_U

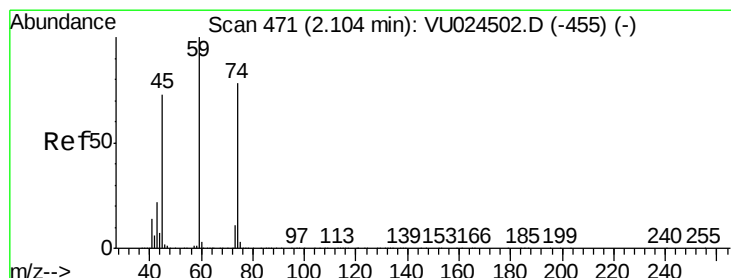
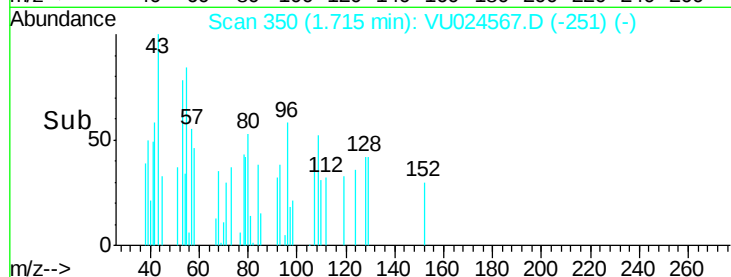
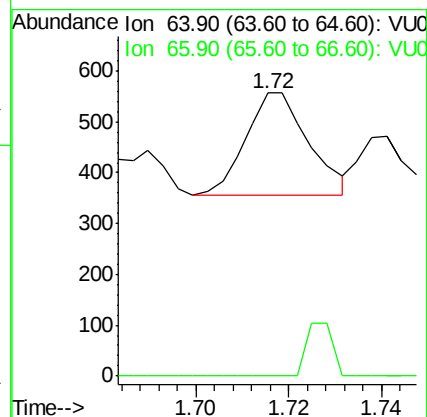
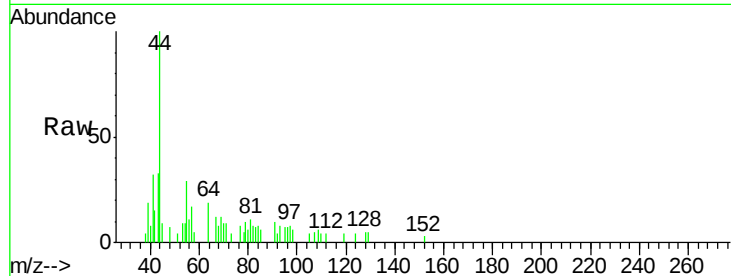
ClientSampleId :

Tot Ion: 64 Resp: 192

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 1.94 min Scan# 420

Delta R.T. -0.16 min

Lab File: VU024567.D

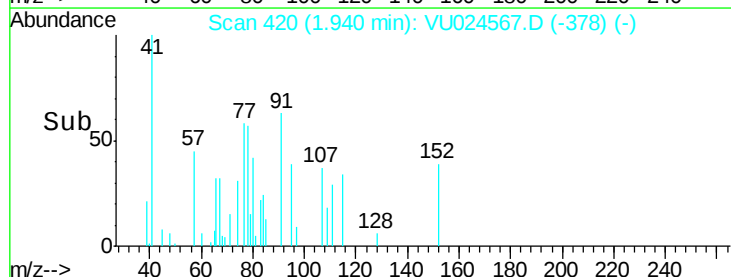
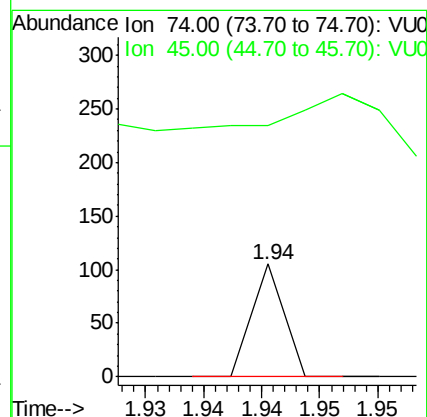
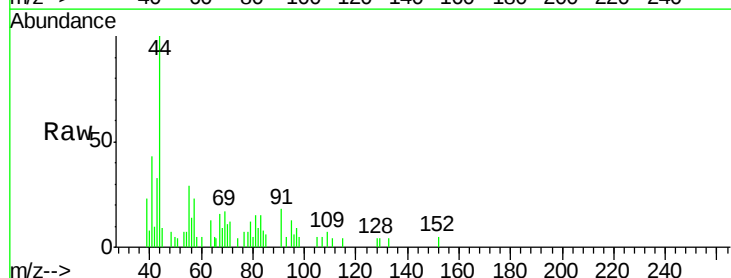
Acq: 15 Jun 2018 02:31

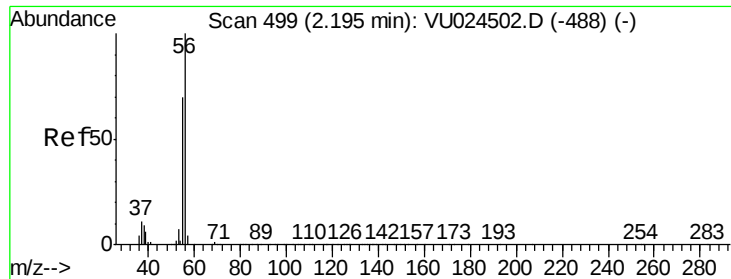
Tgt Ion: 74 Resp: 20

Ion Ratio Lower Upper

74 100

45 190.0 55.0 165.0#





#13

Acrolein

Concen: 0.609 ug/l

RT: 2.19 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU024567.D

Acq: 15 Jun 2018 02:31

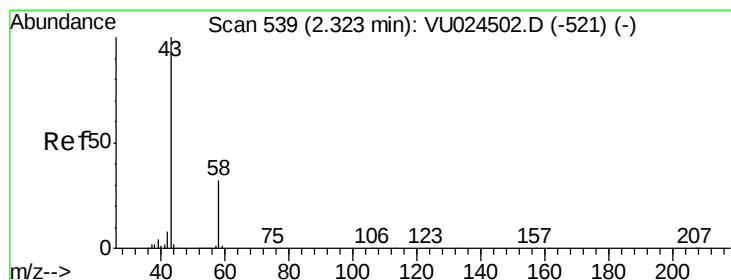
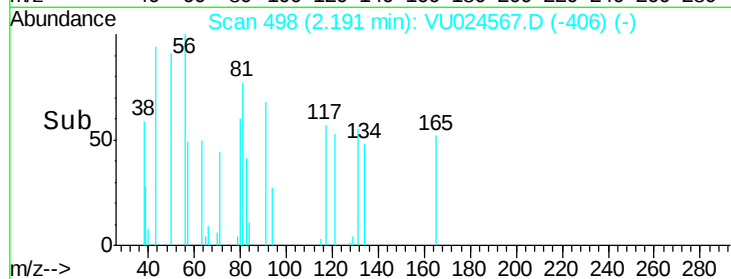
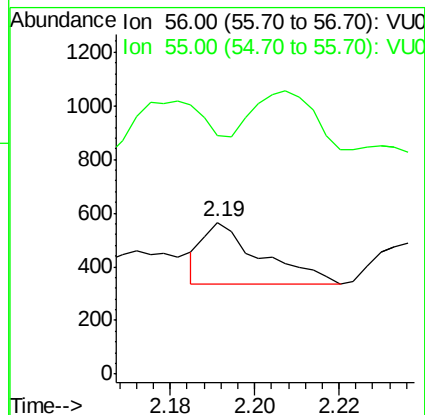
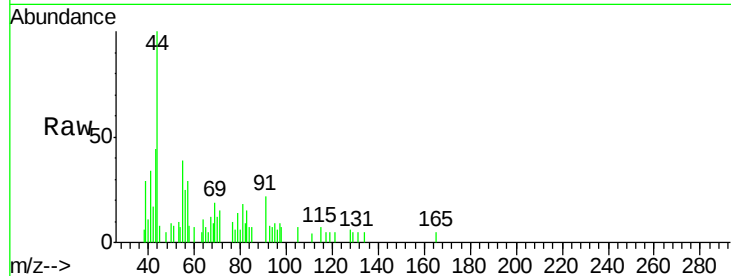
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 218

Ion Ratio Lower Upper

56 100

55 106.9 58.4 87.6#



#16

Acetone

Concen: 0.282 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024567.D

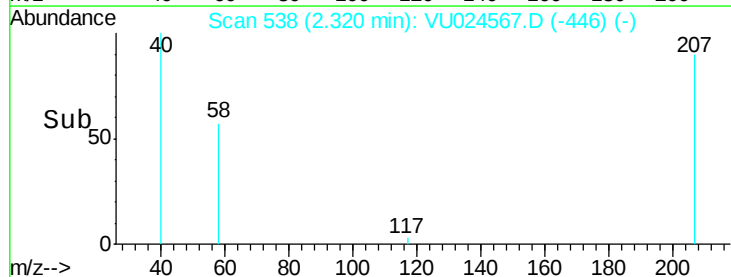
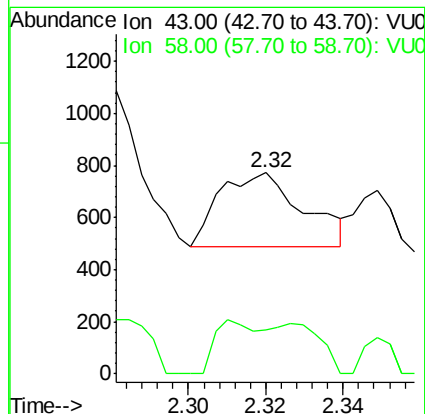
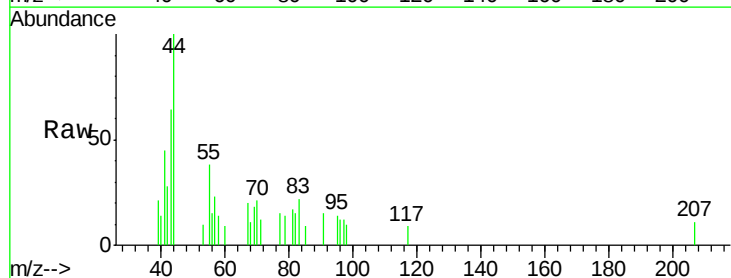
Acq: 15 Jun 2018 02:31

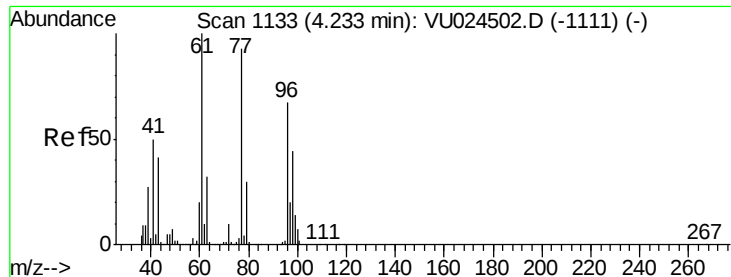
Tgt Ion: 43 Resp: 424

Ion Ratio Lower Upper

43 100

58 59.7 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 6.281 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU024567.D

Acq: 15 Jun 2018 02:31

Instrument :
MSVOA_U
ClientSampleId :

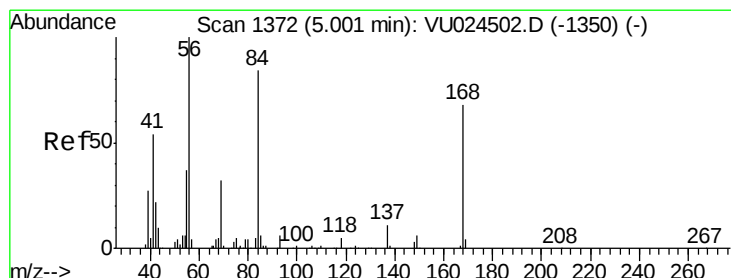
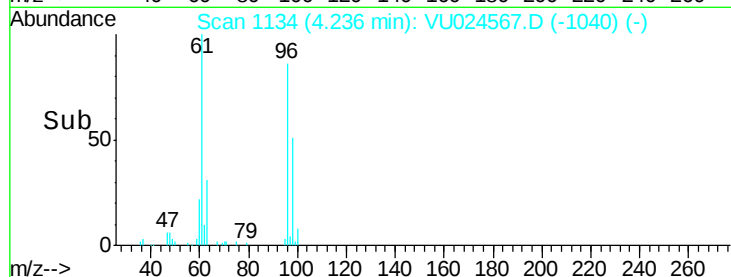
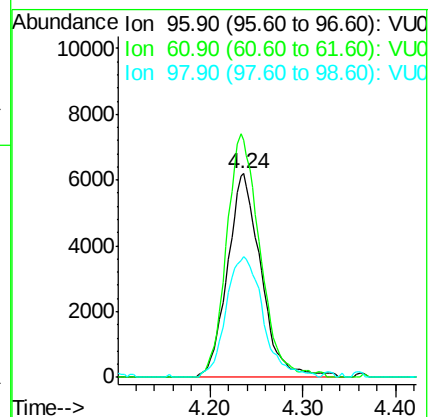
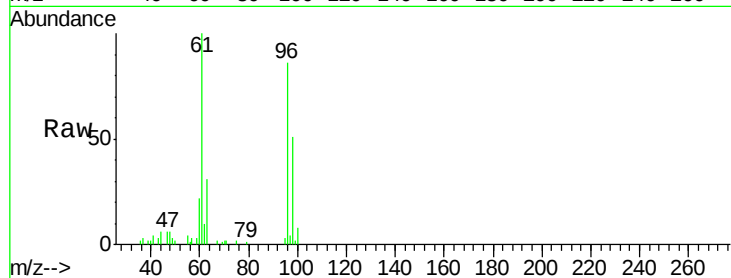
Tot Ion: 96 Resp: 15543

Ion Ratio Lower Upper

96 100

61 117.6 0.0 306.6

98 65.1 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU024567.D

Acq: 15 Jun 2018 02:31

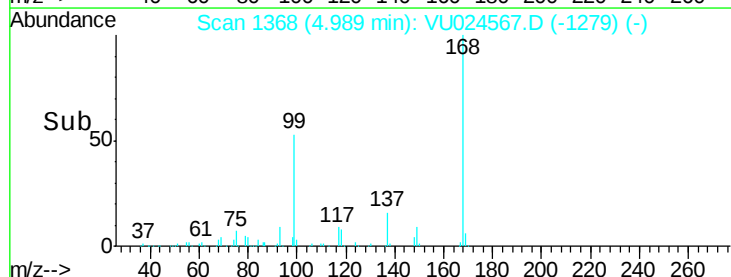
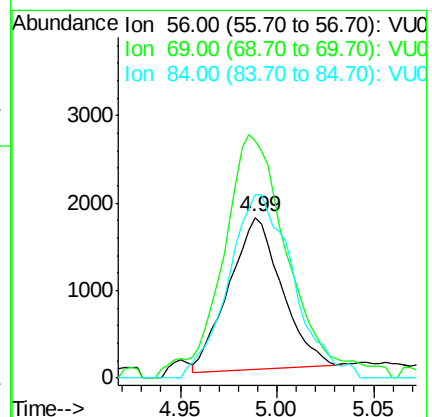
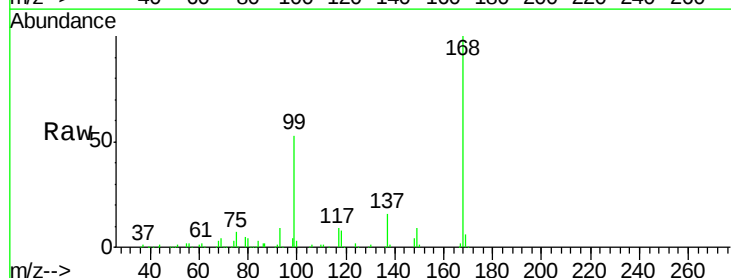
Tgt Ion: 56 Resp: 3311

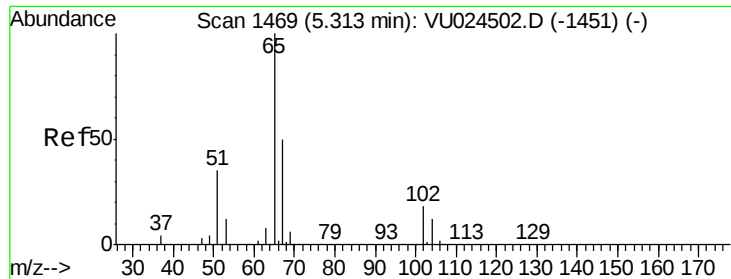
Ion Ratio Lower Upper

56 100

69 149.0 24.8 37.2#

84 115.6 65.2 97.8#

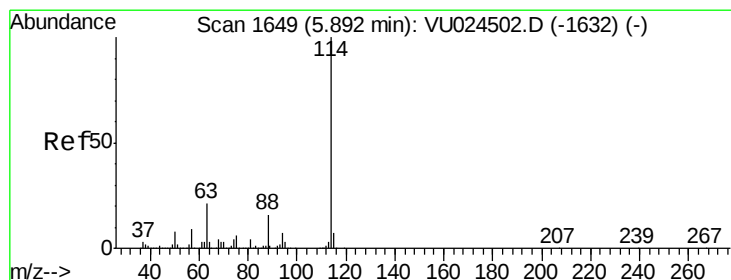
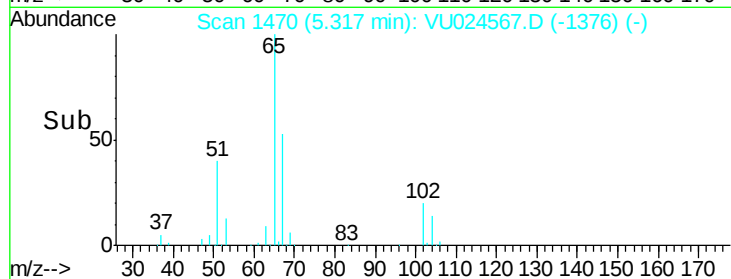
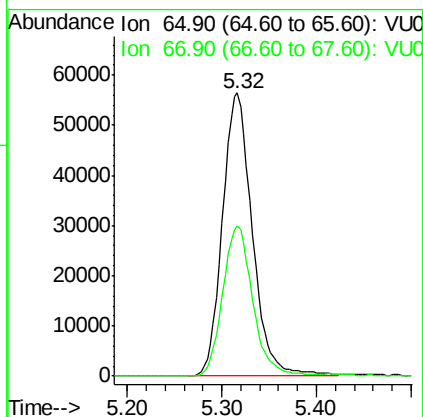
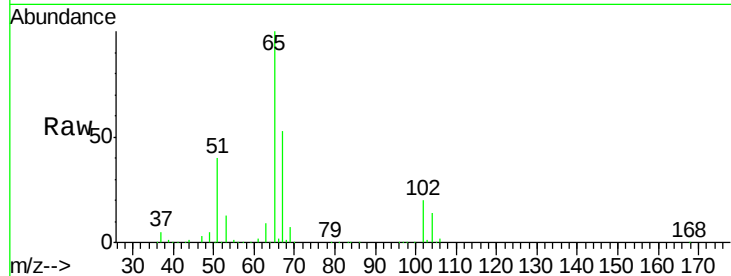




#33
 1,2-Dichloroethane-d4
 Concen: 44.223 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU024567.D
 Acq: 15 Jun 2018 02:31

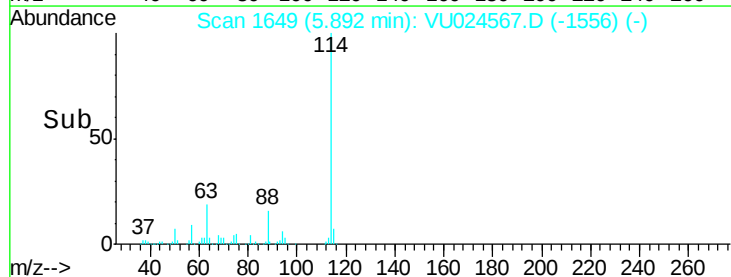
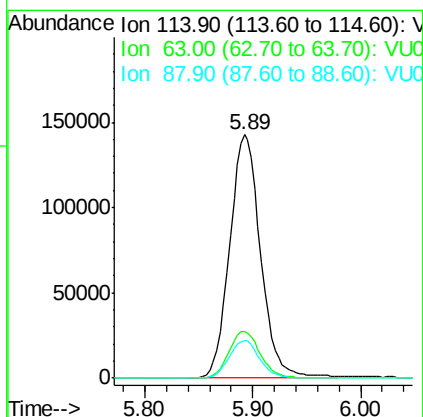
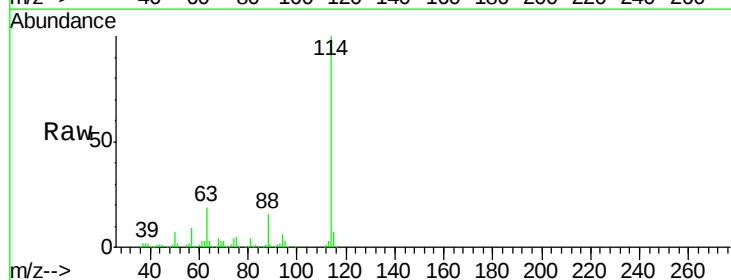
Instrument :
 MSVOA_U
 ClientSampleId :

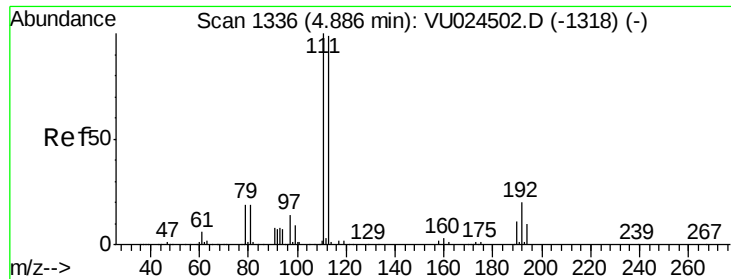
Tot Ion: 65 Resp: 123909
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024567.D
 Acq: 15 Jun 2018 02:31

Tgt Ion: 114 Resp: 284628
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 45.4
 88 15.7 0.0 31.0

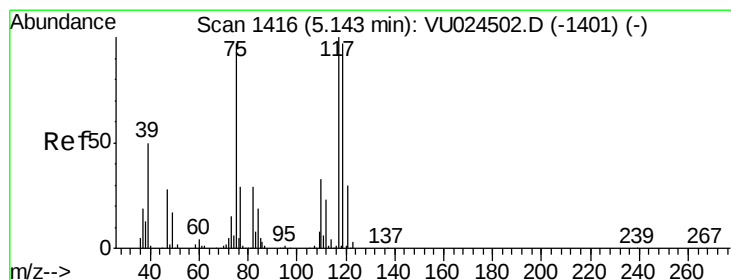
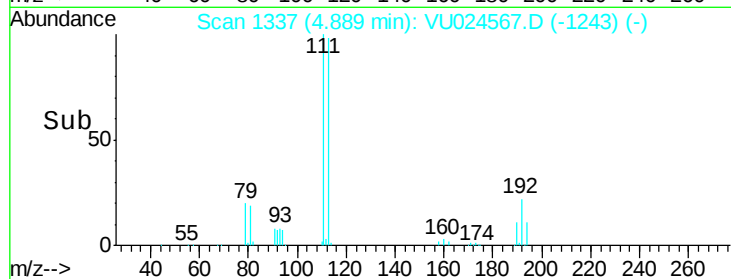
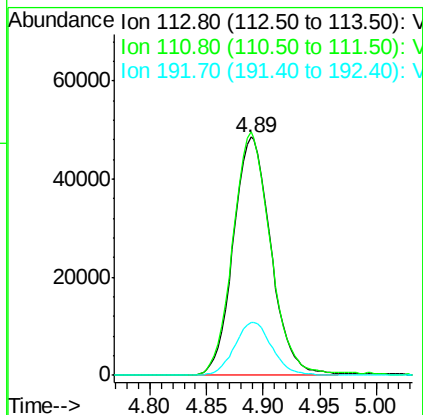
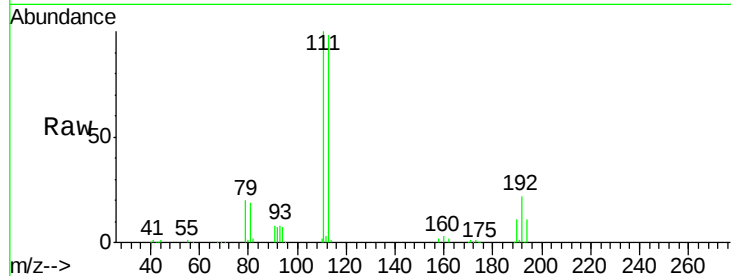




#35
 Dibromofluoromethane
 Concen: 47.692 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024567.D
 Acq: 15 Jun 2018 02:31

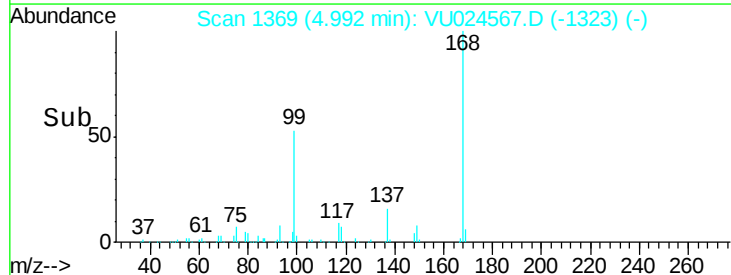
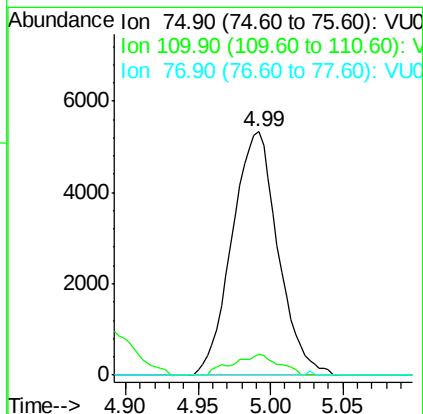
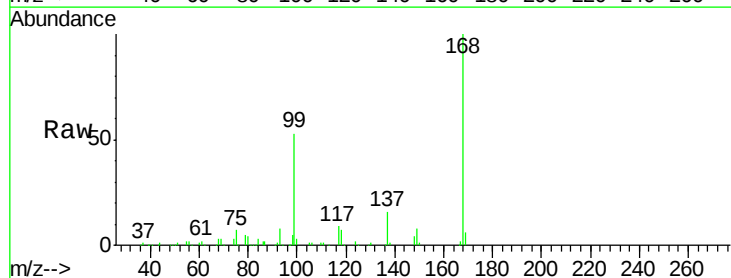
Instrument :
 MSVOA_U
 ClientSampleId :

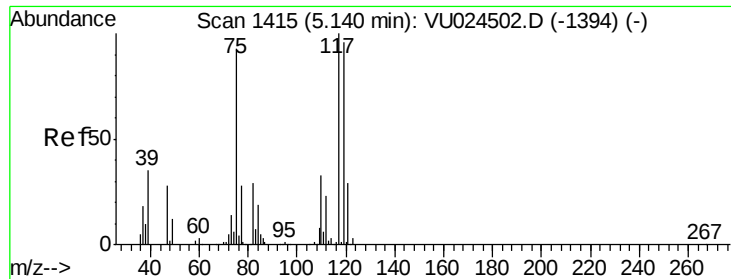
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	22.1	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 3.503 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.15 min
 Lab File: VU024567.D
 Acq: 15 Jun 2018 02:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.0	50.9#
77	0.0	24.2	36.4#

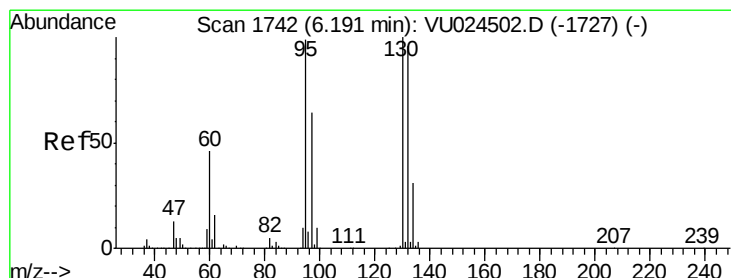
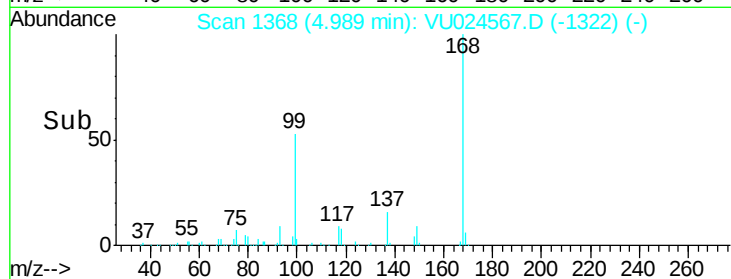
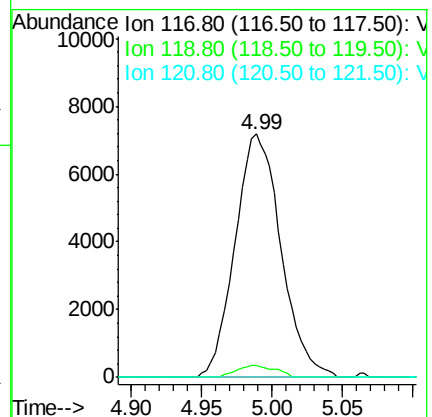
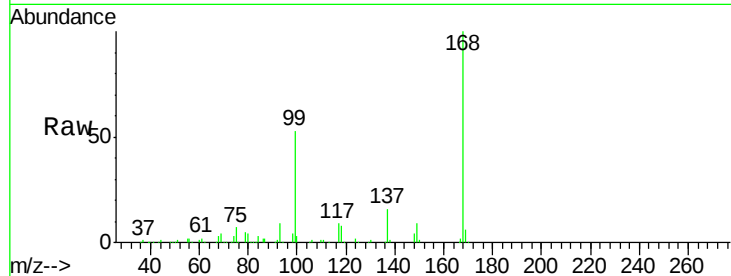




#38
 Carbon Tetrachloride
 Concen: 4.448 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024567.D
 Acq: 15 Jun 2018 02:31

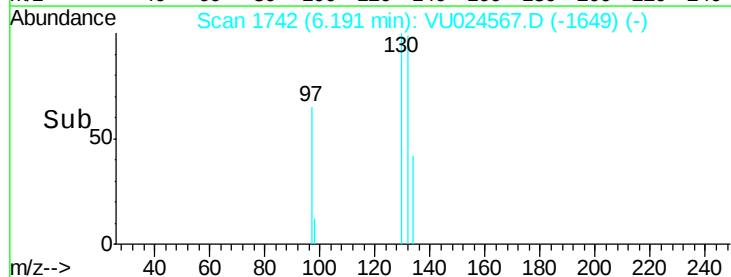
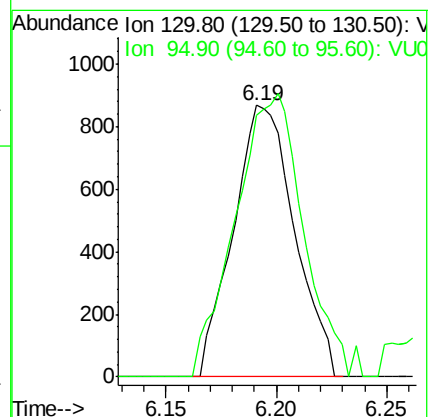
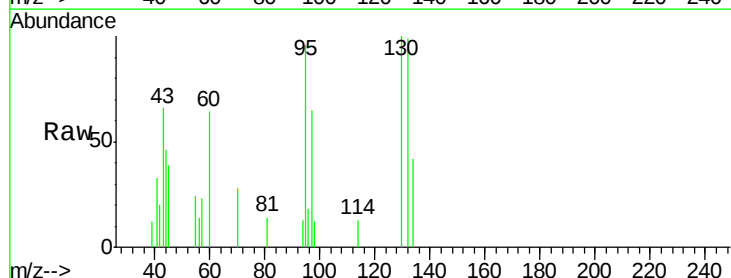
Instrument :
 MSVOA_U
 ClientSampleId :

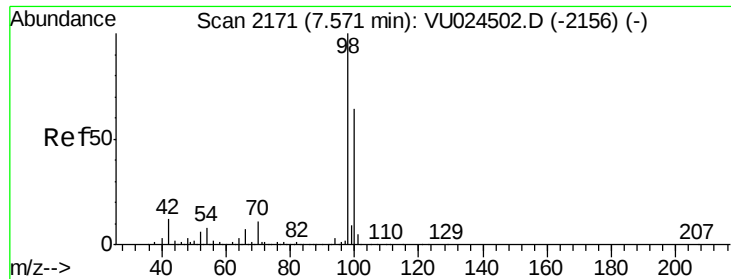
Tot Ion:117 Resp: 16358
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.1 114.1#
 121 0.0 23.7 35.5#



#44
 Trichloroethene
 Concen: 0.618 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU024567.D
 Acq: 15 Jun 2018 02:31

Tgt Ion:130 Resp: 1675
 Ion Ratio Lower Upper
 130 100
 95 96.3 0.0 202.4

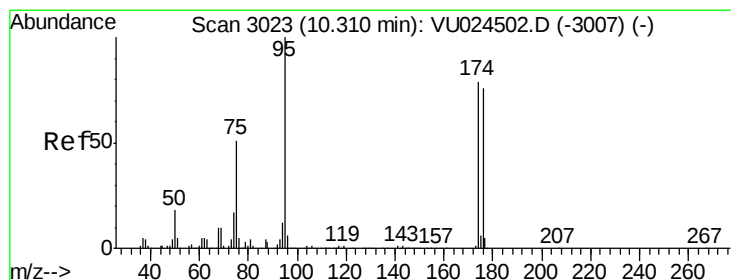
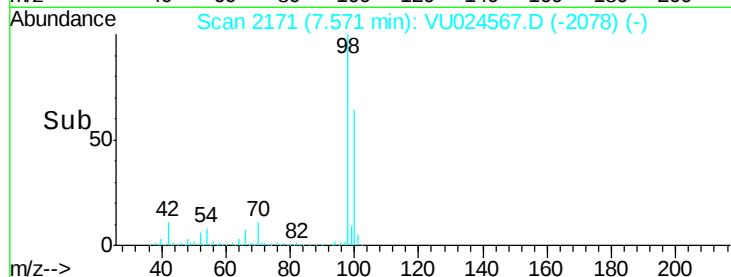
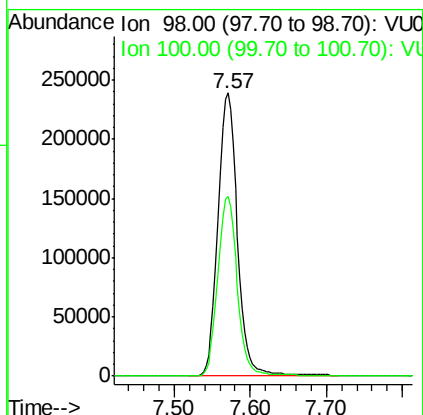
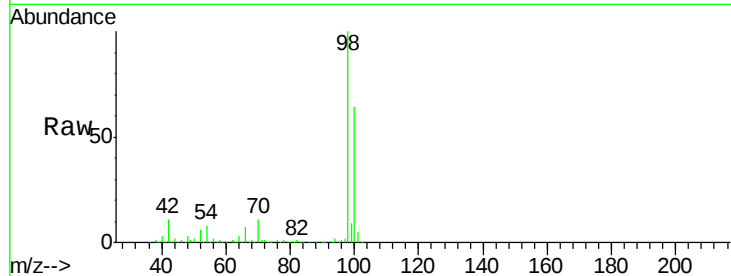




#50
Toluene-d8
Concen: 49.424 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024567.D
Acq: 15 Jun 2018 02:31

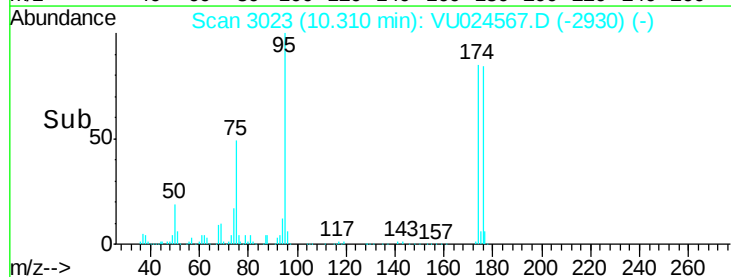
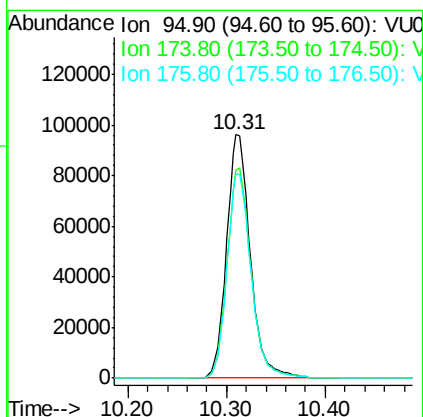
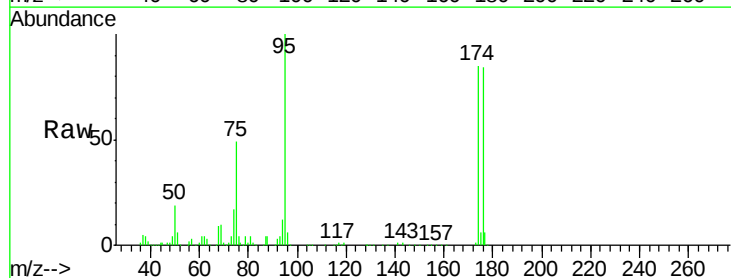
Instrument :
MSVOA_U
ClientSampled :

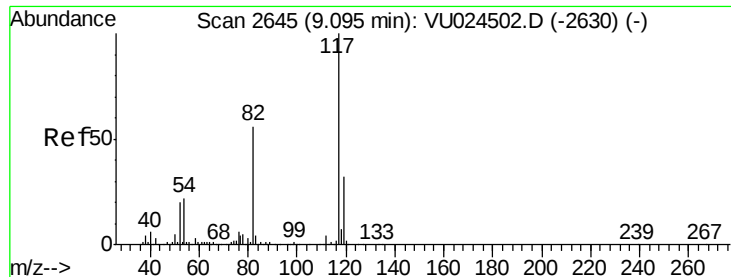
Tot Ion: 98 Resp: 425852
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 47.586 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024567.D
Acq: 15 Jun 2018 02:31

Tgt Ion: 95 Resp: 162793
Ion Ratio Lower Upper
95 100
174 86.9 0.0 165.8
176 85.3 0.0 159.4

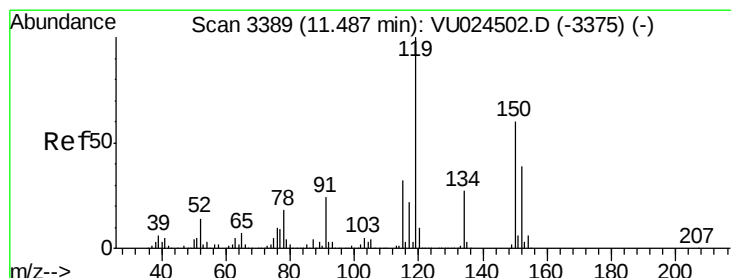
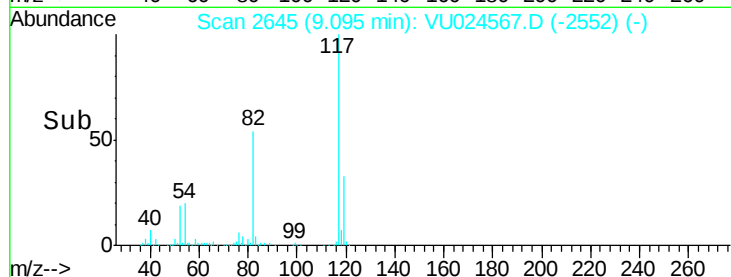
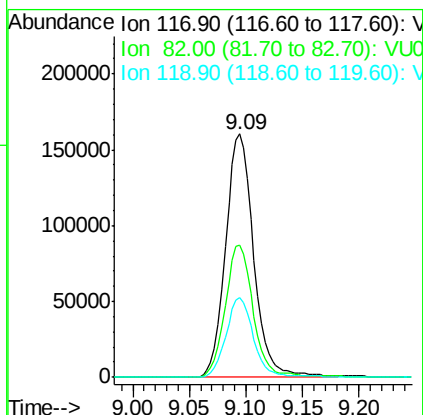
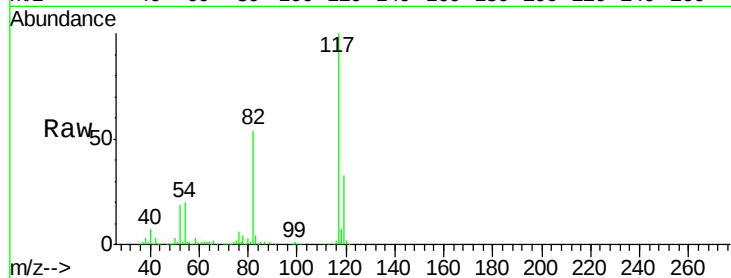




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024567.D
Acq: 15 Jun 2018 02:31

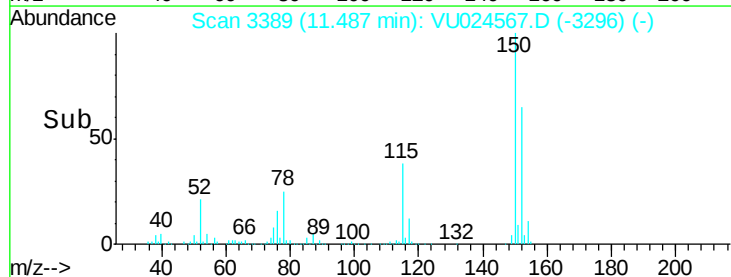
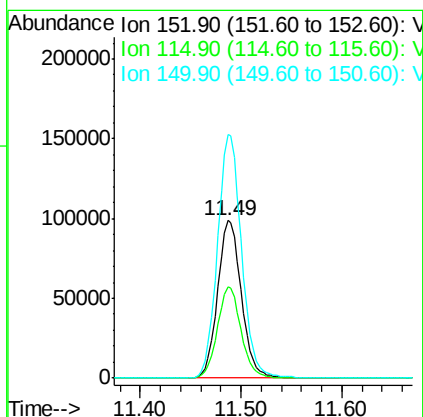
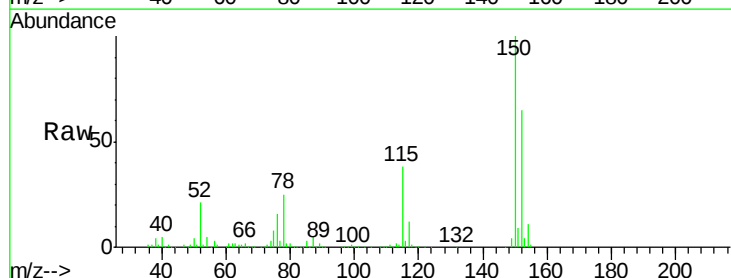
Instrument :
MSVOA_U
ClientSampleId :

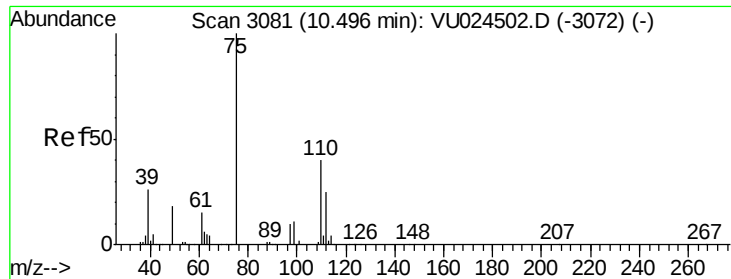
Tot Ion:117 Resp: 277594
Ion Ratio Lower Upper
117 100
82 54.4 44.3 66.5
119 32.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024567.D
Acq: 15 Jun 2018 02:31

Tgt Ion:152 Resp: 162928
Ion Ratio Lower Upper
152 100
115 57.4 43.0 129.0
150 155.9 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 22.212 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024567.D

Acq: 15 Jun 2018 02:31

Instrument :

MSVOA_U

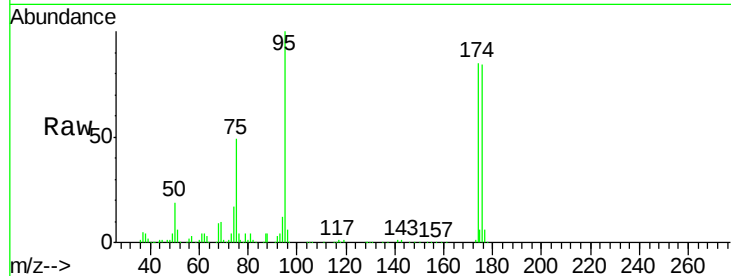
ClientSampleId :

Tot Ion: 75 Resp: 79677

Ion Ratio Lower Upper

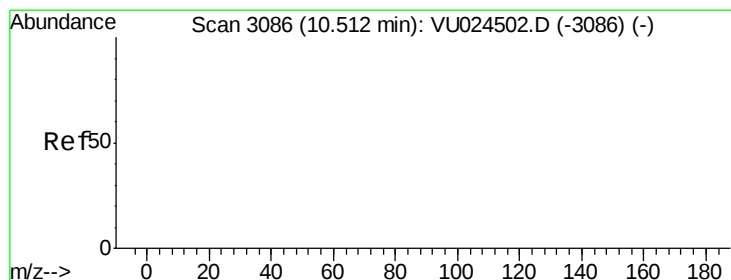
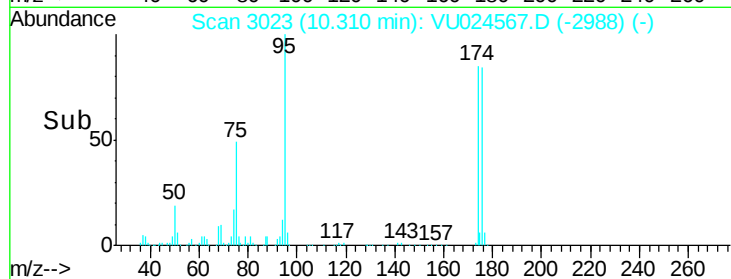
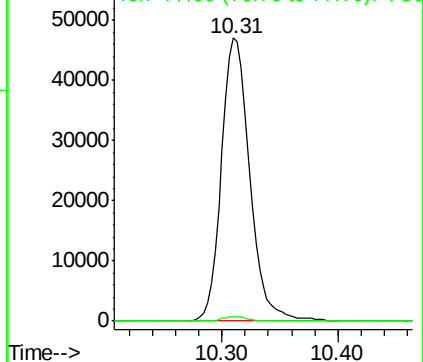
75 100

77 1.4 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: 51.408 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024567.D

Acq: 15 Jun 2018 02:31

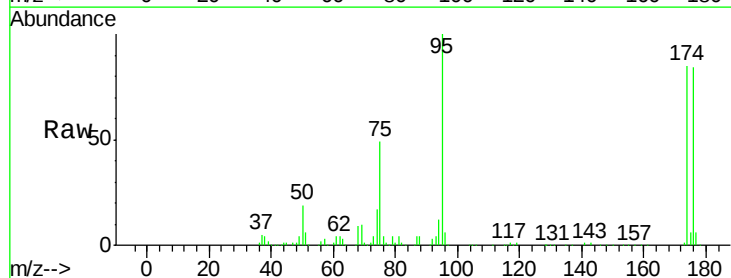
Tgt Ion: 75 Resp: 79677

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

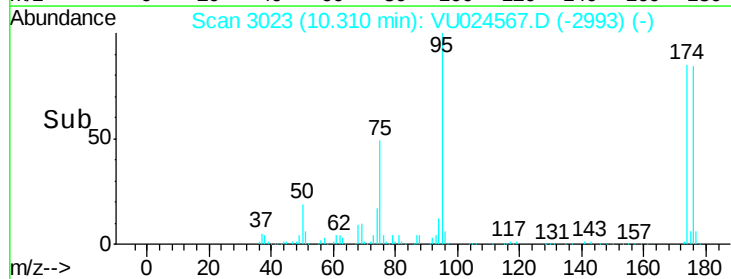
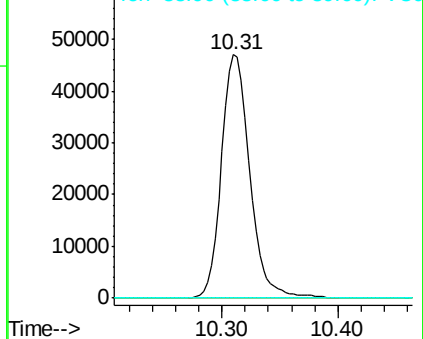
89 0.0 0.0 0.0

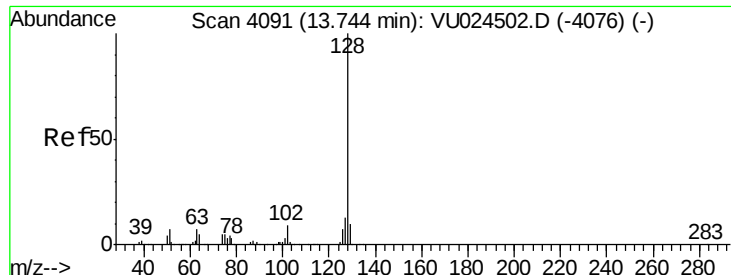


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 0.683 ug/l

RT: 13.80 min Scan# 4108

Delta R.T. 0.06 min

Lab File: VU024567.D

Acq: 15 Jun 2018 02:31

Instrument :

MSVOA_U

ClientSampleId :

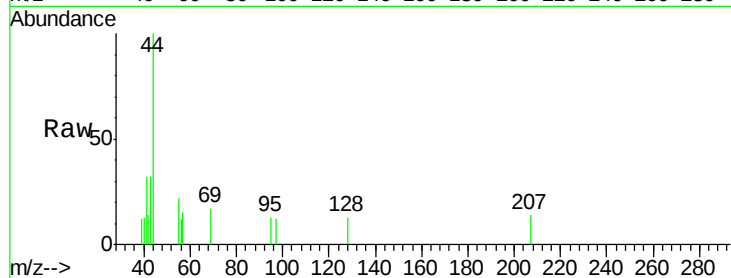
Tot Ion:128 Resp: 41

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 46.3 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

