

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024563.D
 Acq On : 15 Jun 2018 00:59
 Operator : MD/SY
 Sample : J3452-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:46:59 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	185731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304820	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	292401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	170981	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	134150	44.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.48%	
35) Dibromofluoromethane	4.89	113	122920	48.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.18%	
50) Toluene-d8	7.57	98	447171	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	10.31	95	169630	46.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.60%	

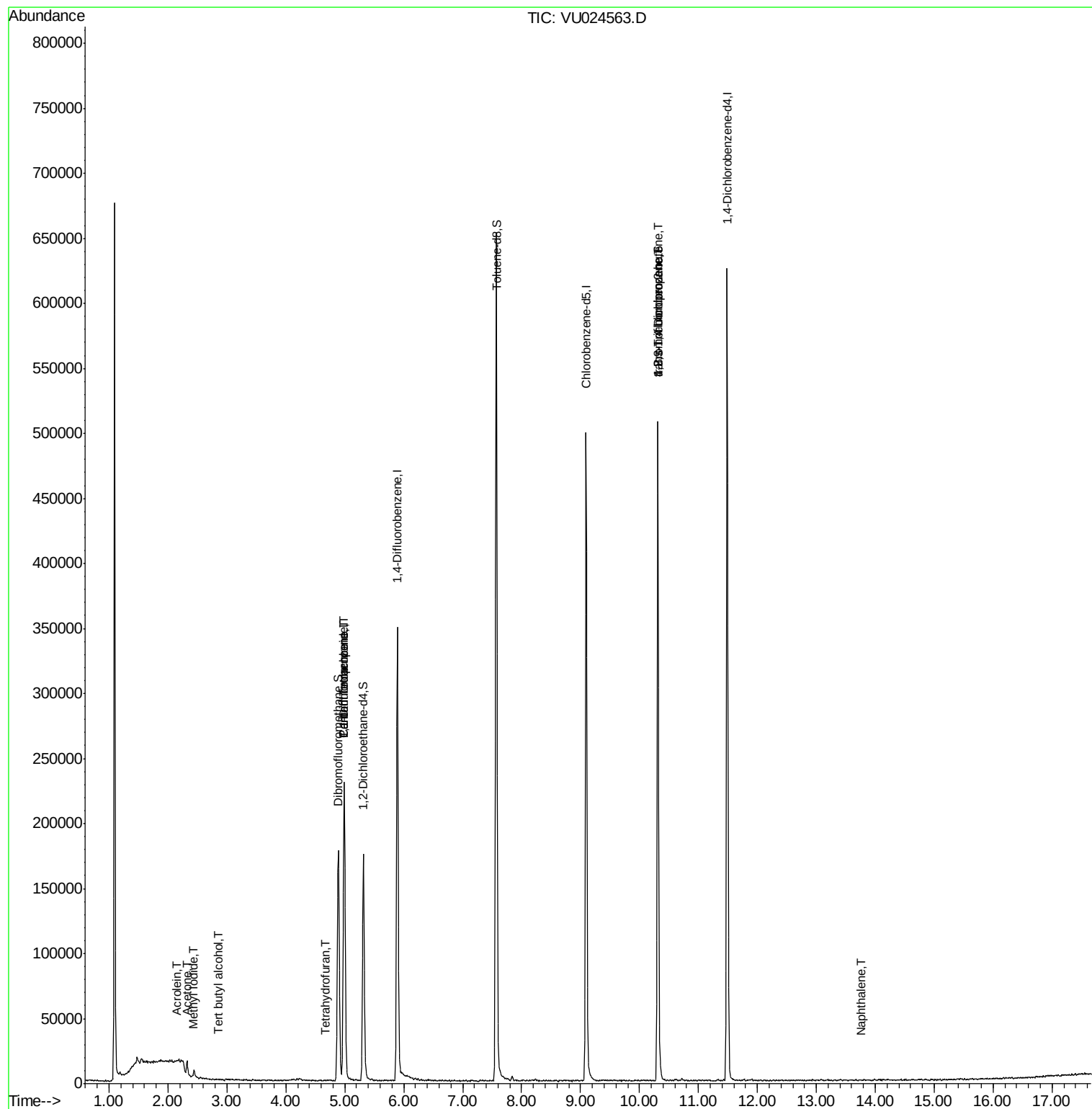
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	58	Below Cal	#	43
8) Diethyl Ether	2.00	74	88	Below Cal	#	27
10) Methyl Iodide	2.42	142	41	5.307	ug/l #	40
11) Tert butyl alcohol	2.85	59	257	0.349	ug/l #	53
13) Acrolein	2.16	56	152	0.393	ug/l #	13
16) Acetone	2.32	43	10418	6.395	ug/l #	89
29) Tetrahydrofuran	4.65	42	404	0.298	ug/l #	61
31) Cyclohexane	4.99	56	3449	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13137	3.668	ug/l #	46
38) Carbon Tetrachloride	4.99	117	16667	4.231	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	83453	22.169	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	83453	51.309	ug/l #	100
95) Naphthalene	13.77	128	46	0.683	ug/l #	69

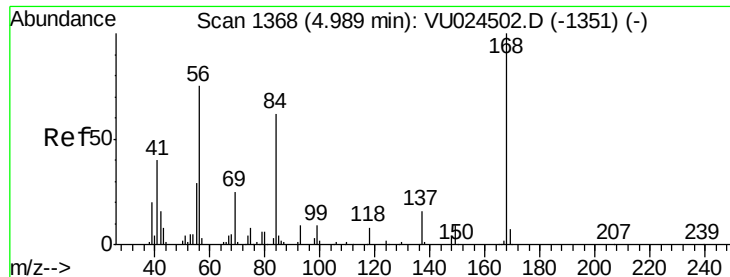
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VU024563.D

Acq: 15 Jun 2018 00:59

Instrument :

MSVOA_U

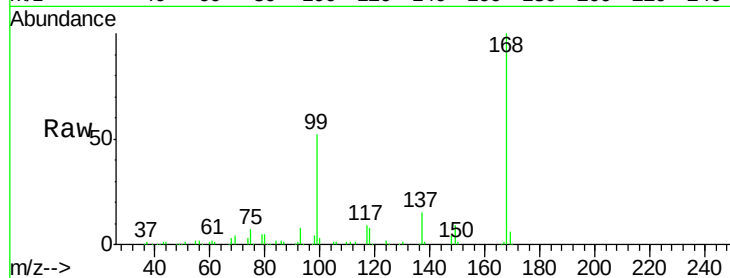
ClientSampleId :

Tot Ion:168 Resp: 185731

Ion Ratio Lower Upper

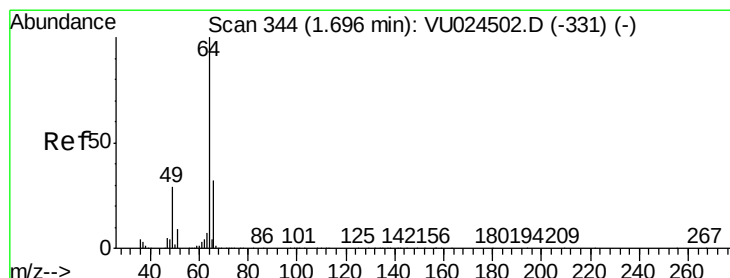
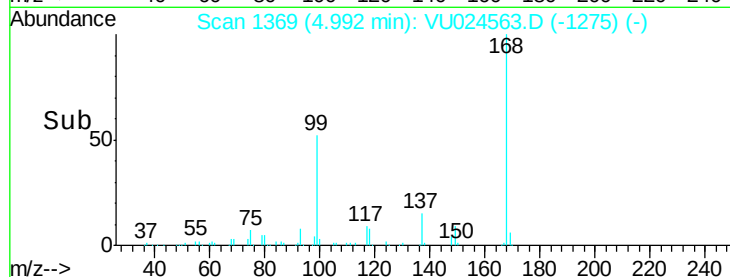
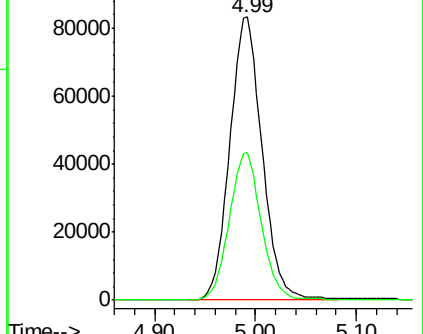
168 100

99 51.9 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) (-)



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU024563.D

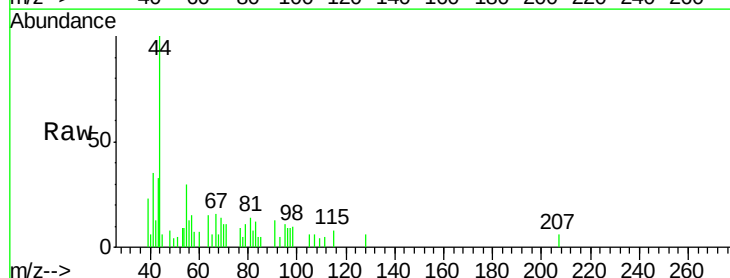
Acq: 15 Jun 2018 00:59

Tgt Ion: 64 Resp: 58

Ion Ratio Lower Upper

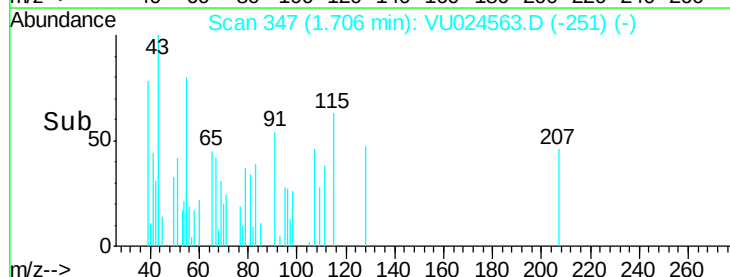
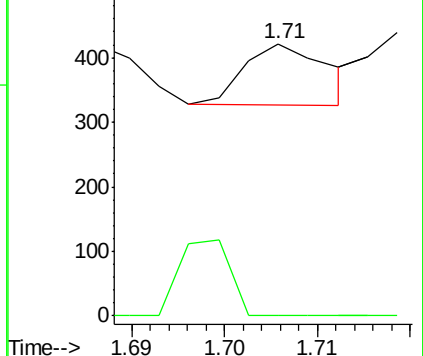
64 100

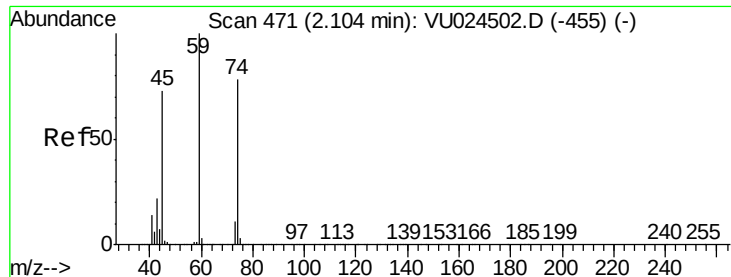
66 0.0 25.5 38.3#



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

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

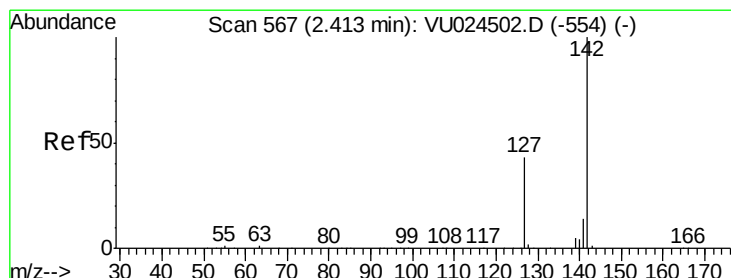
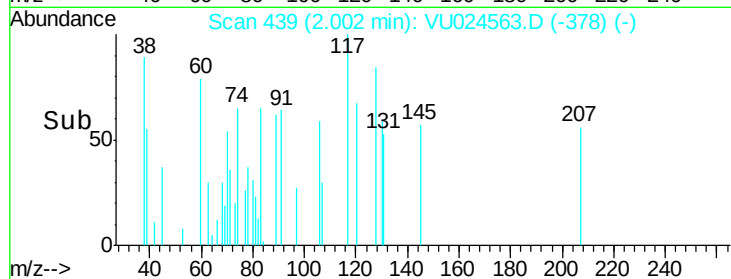
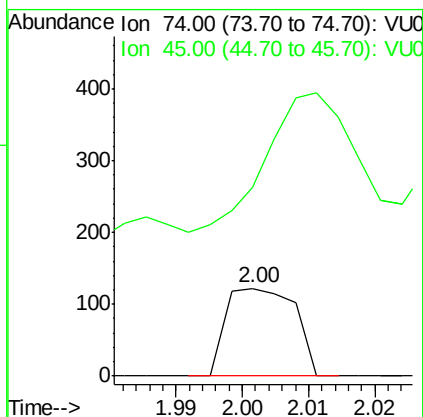
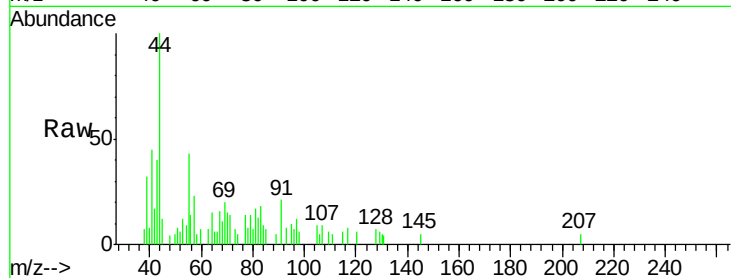




#8
Diethyl Ether
Concen: Below Cal
RT: 2.00 min Scan# 439
Delta R.T. -0.10 min
Lab File: VU024563.D
Acq: 15 Jun 2018 00:59

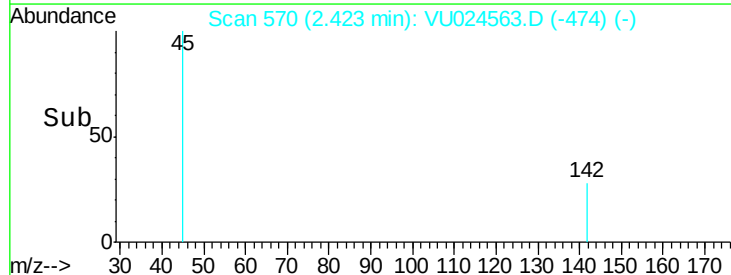
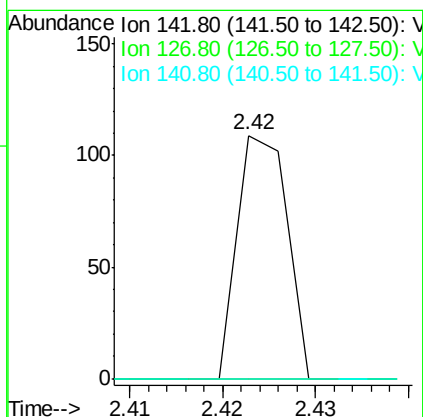
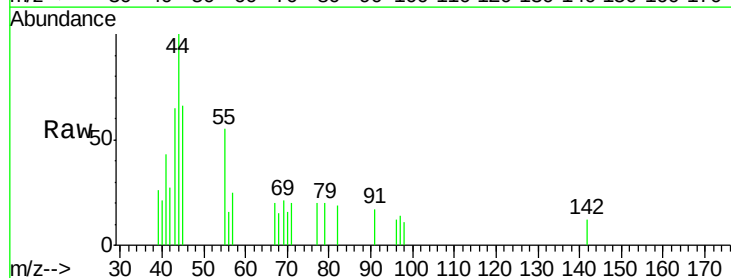
Instrument :
MSVOA_U
ClientSampleId :

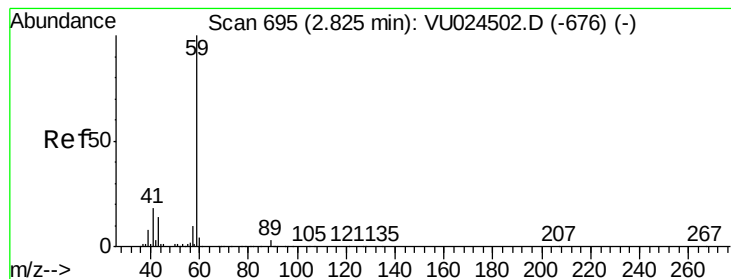
Tot Ion: 74 Resp: 88
Ion Ratio Lower Upper
74 100
45 187.5 55.0 165.0#



#10
Methyl Iodide
Concen: 5.307 ug/l
RT: 2.42 min Scan# 570
Delta R.T. 0.01 min
Lab File: VU024563.D
Acq: 15 Jun 2018 00:59

Tgt Ion: 142 Resp: 41
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



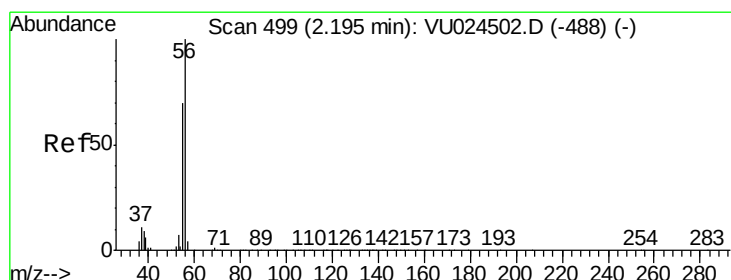
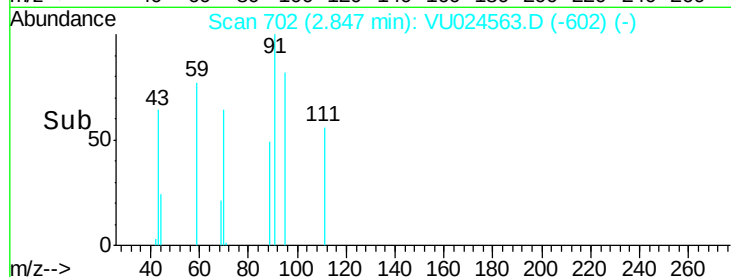
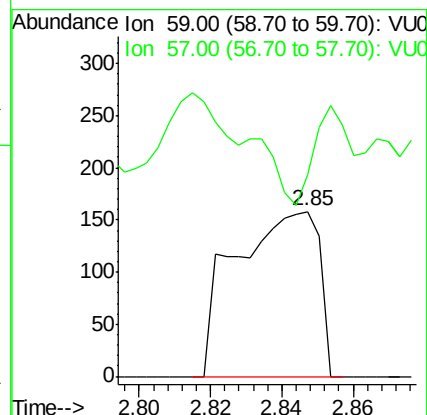
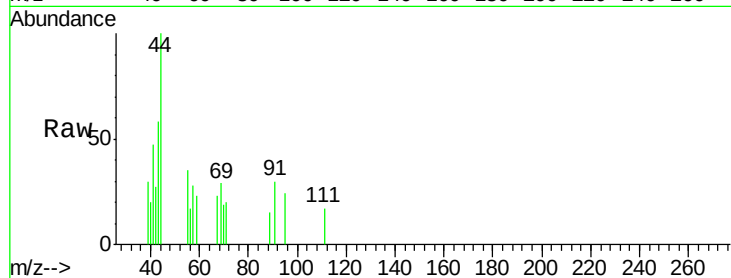


#11

Tert butyl alcohol
 Concen: 0.349 ug/l
 RT: 2.85 min Scan# 702
 Delta R.T. 0.02 min
 Lab File: VU024563.D
 Acq: 15 Jun 2018 00:59

Instrument :
 MSVOA_U
 ClientSampleId :

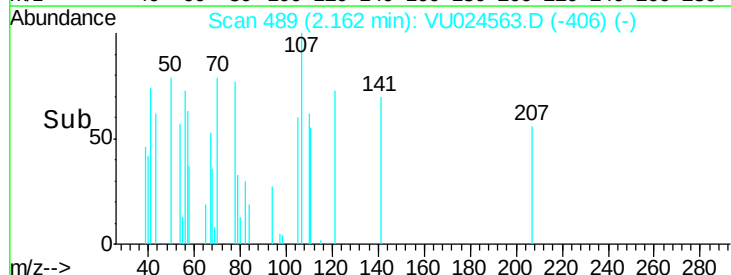
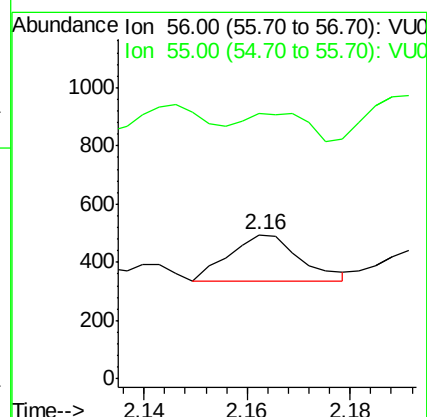
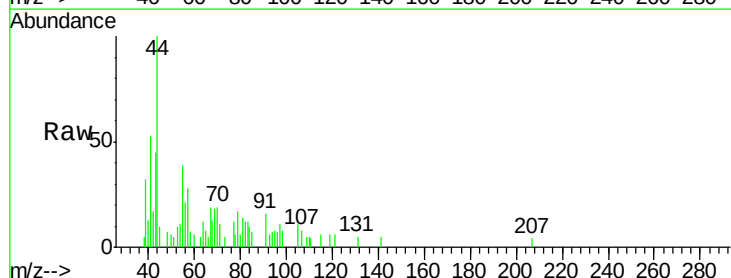
Tot Ion: 59 Resp: 257
 Ion Ratio Lower Upper
 59 100
 57 28.4 8.5 12.7#

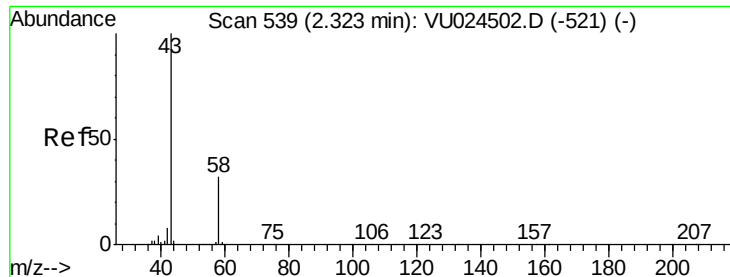


#13

Acrolein
 Concen: 0.393 ug/l
 RT: 2.16 min Scan# 489
 Delta R.T. -0.03 min
 Lab File: VU024563.D
 Acq: 15 Jun 2018 00:59

Tgt Ion: 56 Resp: 152
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.4 87.6#





#16

Acetone

Concen: 6.395 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024563.D

Acq: 15 Jun 2018 00:59

Instrument :

MSVOA_U

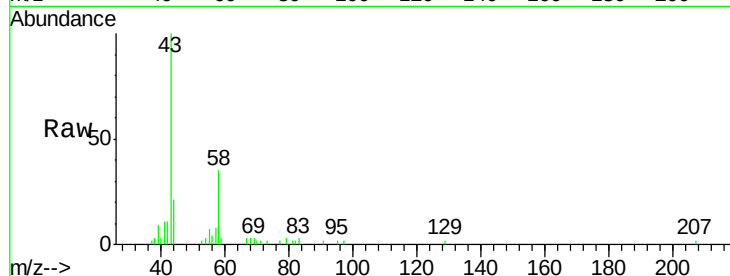
ClientSampleId :

Tot Ion: 43 Resp: 10418

Ion Ratio Lower Upper

43 100

58 36.7 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

8000

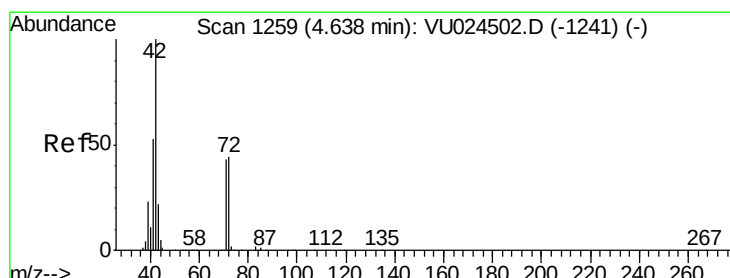
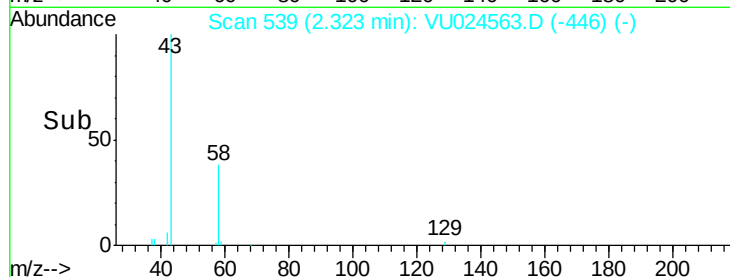
6000

4000

2000

0

Time--> 2.25 2.30 2.35 2.40



#29

Tetrahydrofuran

Concen: 0.298 ug/l

RT: 4.65 min Scan# 1264

Delta R.T. 0.02 min

Lab File: VU024563.D

Acq: 15 Jun 2018 00:59

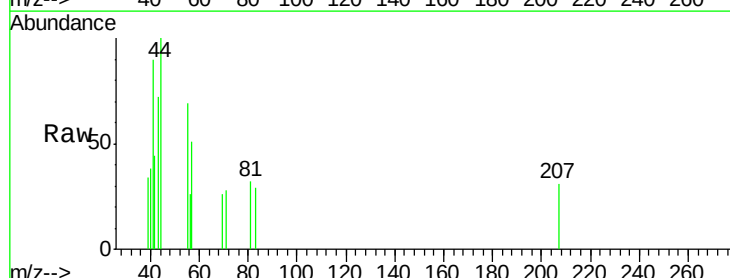
Tgt Ion: 42 Resp: 404

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 35.1 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

300

250

200

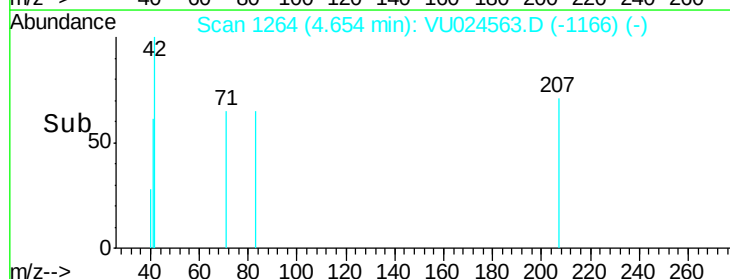
150

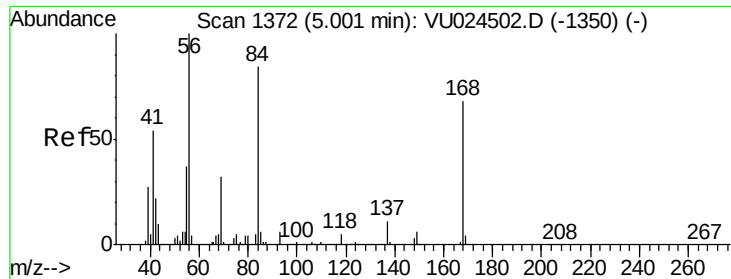
100

50

0

Time--> 4.60 4.65 4.70

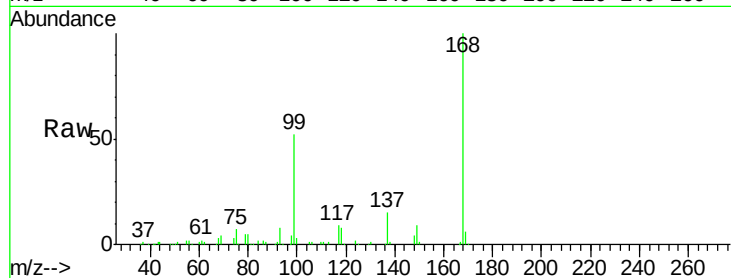




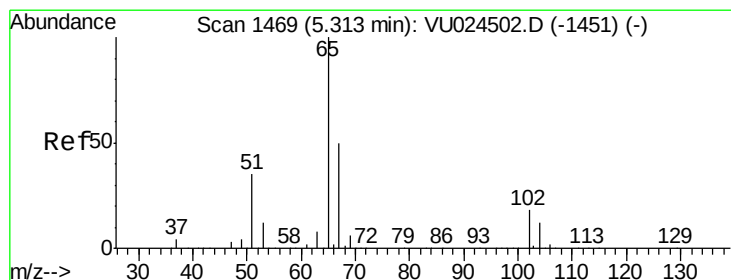
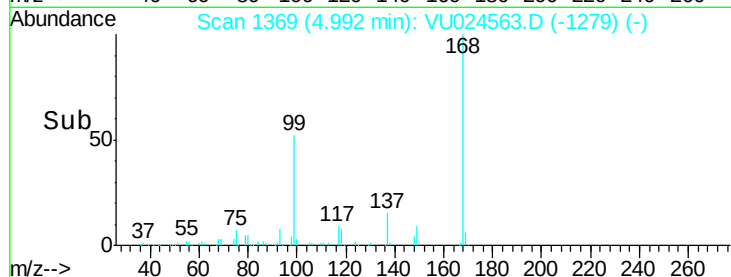
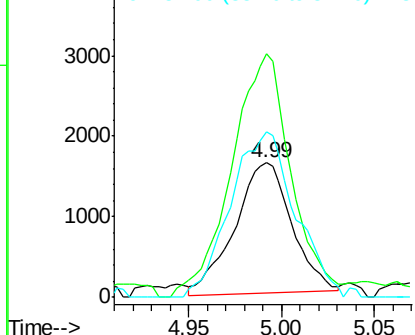
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU024563.D
Acq: 15 Jun 2018 00:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 3449
Ion Ratio Lower Upper
56 100
69 185.4 24.8 37.2#
84 126.1 65.2 97.8#

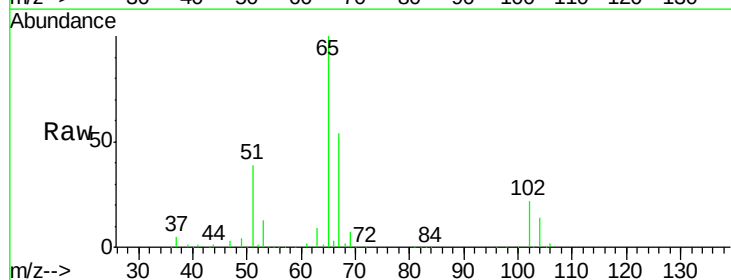


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

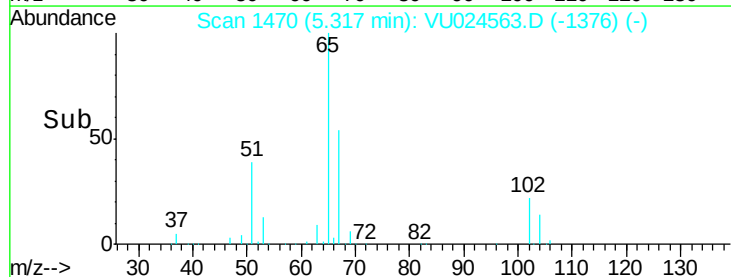
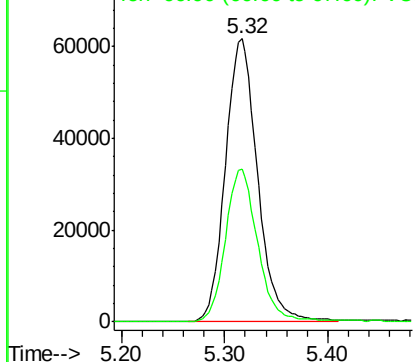


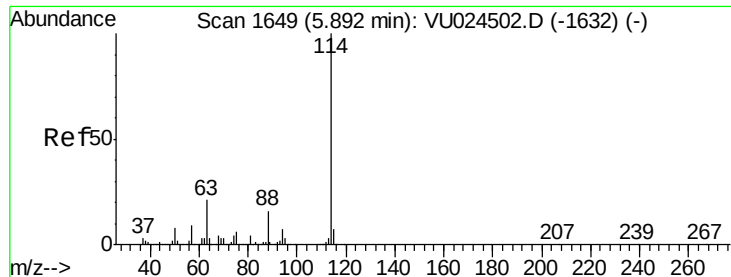
#33
1,2-Dichloroethane-d4
Concen: 44.243 ug/l
RT: 5.32 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VU024563.D
Acq: 15 Jun 2018 00:59

Tgt Ion: 65 Resp: 134150
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.0



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: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024563.D

Acq: 15 Jun 2018 00:59

Instrument :

MSVOA_U

ClientSampleId :

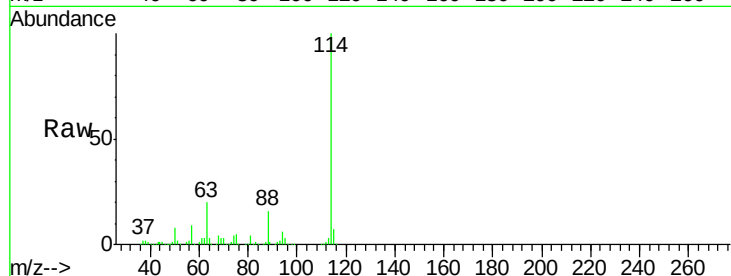
Tot Ion:114 Resp: 304820

Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.4

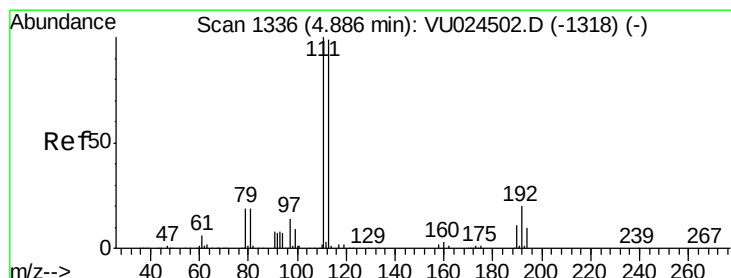
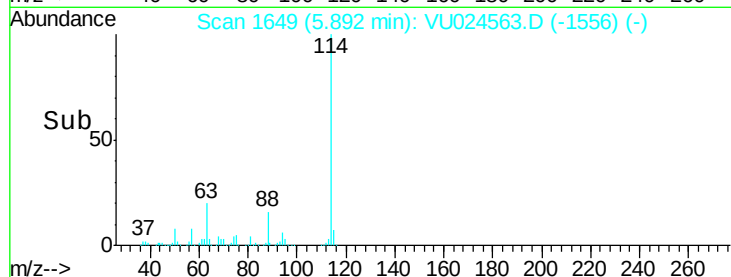
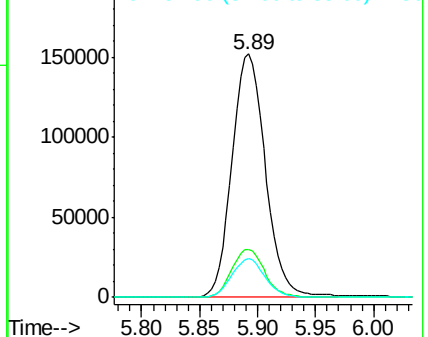
88 16.1 0.0 31.0



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: 48.589 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024563.D

Acq: 15 Jun 2018 00:59

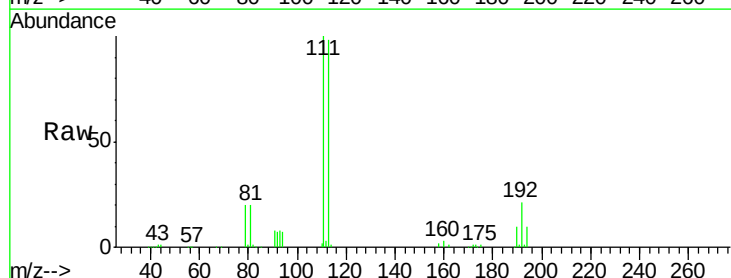
Tgt Ion:113 Resp: 122920

Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.4

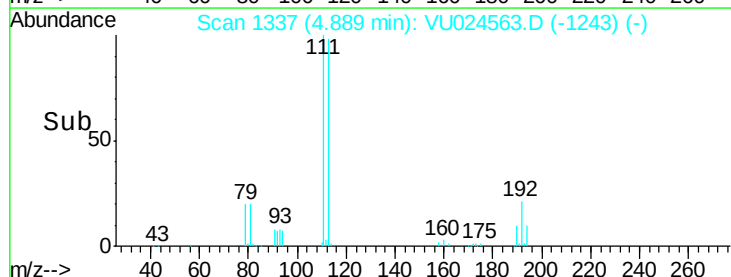
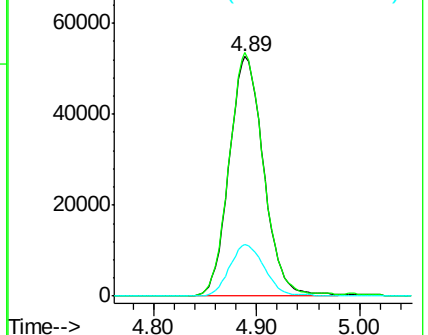
192 21.6 16.2 24.4

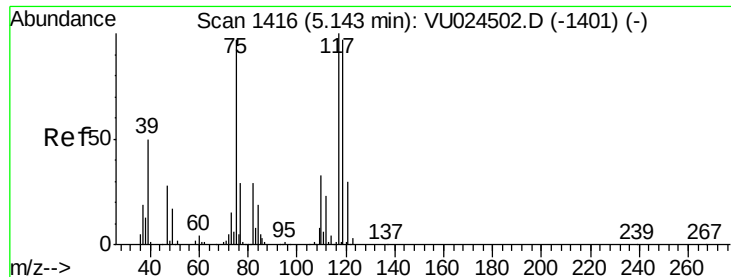


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

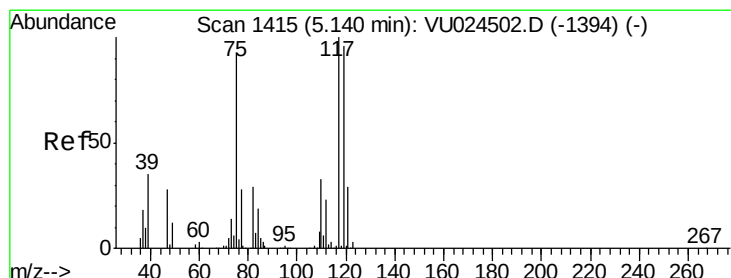
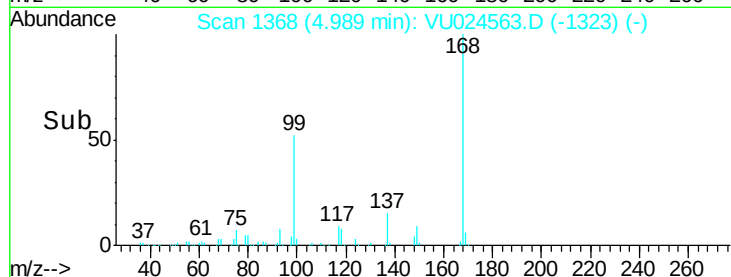
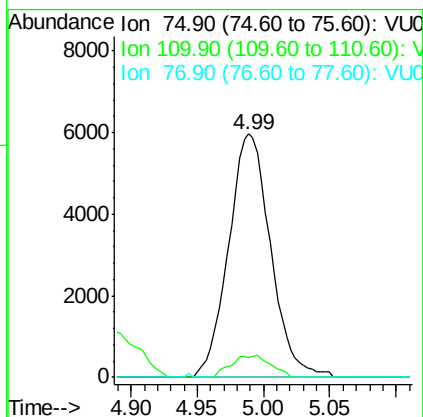
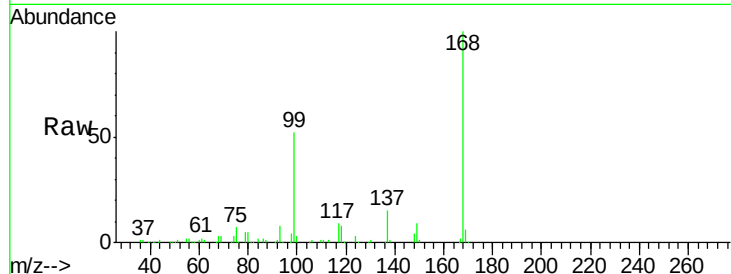




#36
 1,1-Dichloropropene
 Concen: 3.668 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024563.D
 Acq: 15 Jun 2018 00:59

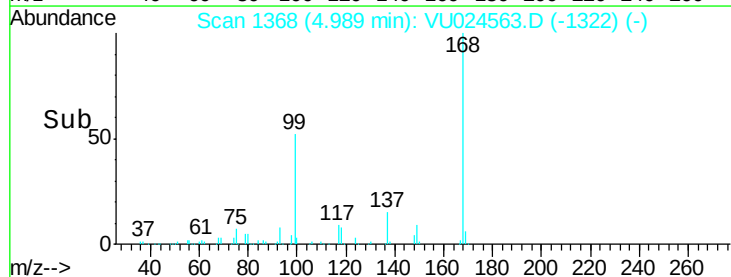
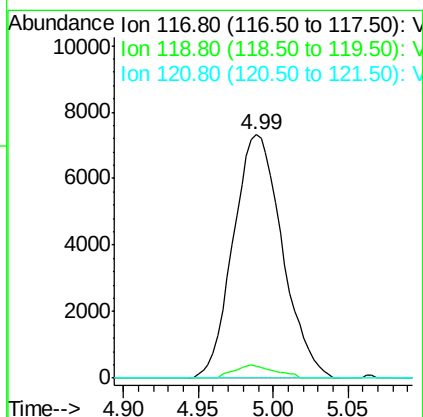
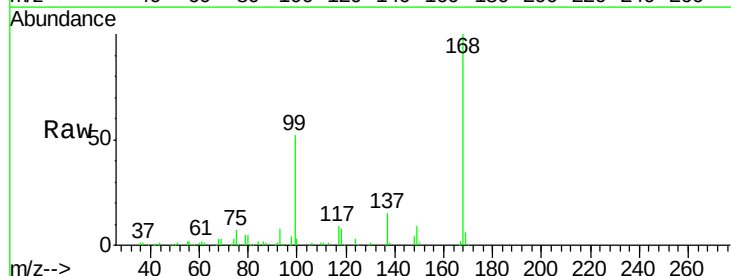
Instrument :
 MSVOA_U
 ClientSampleId :

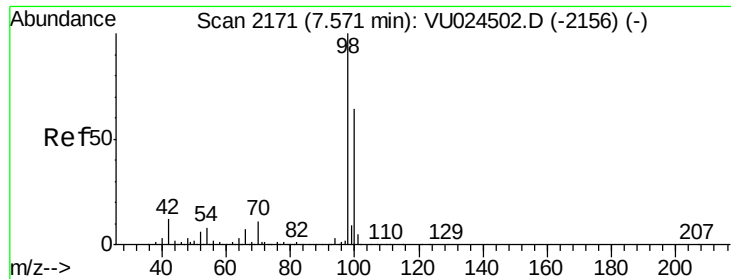
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.2	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 4.231 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024563.D
 Acq: 15 Jun 2018 00:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.1	114.1#
121	0.0	23.7	35.5#

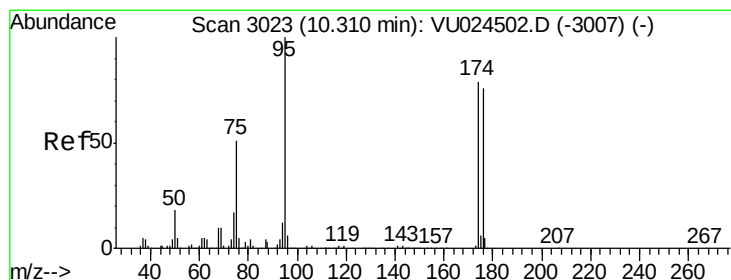
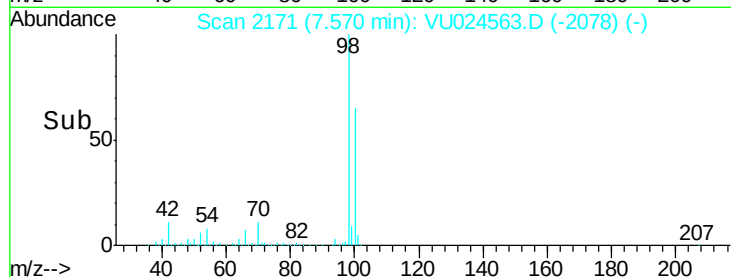
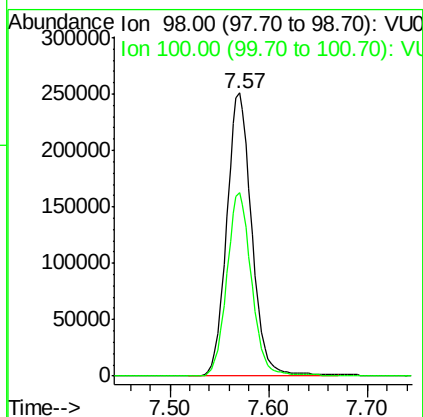
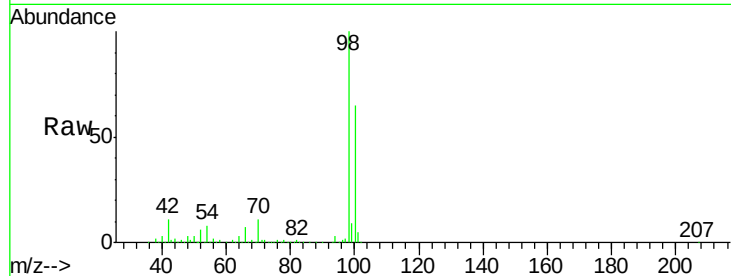




#50
Toluene-d8
Concen: 48.460 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024563.D
Acq: 15 Jun 2018 00:59

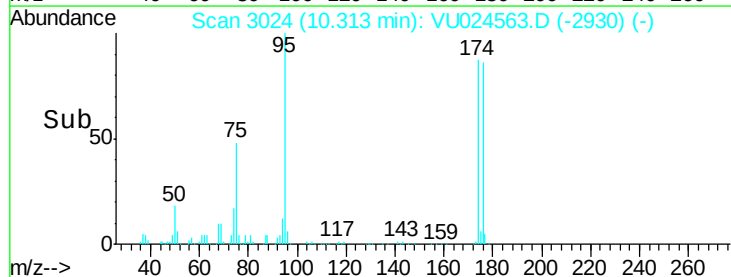
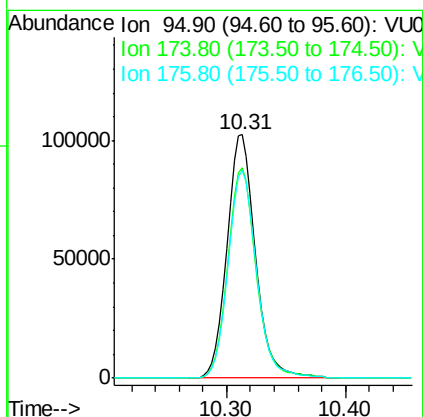
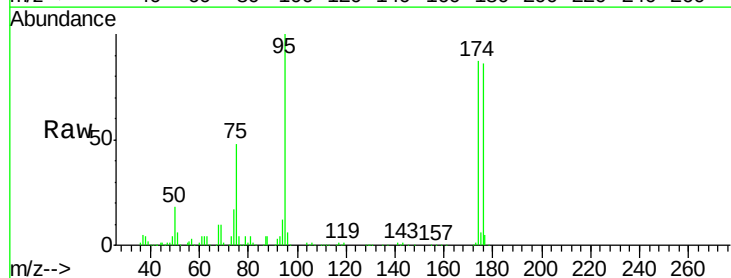
Instrument :
MSVOA_U
ClientSampleId :

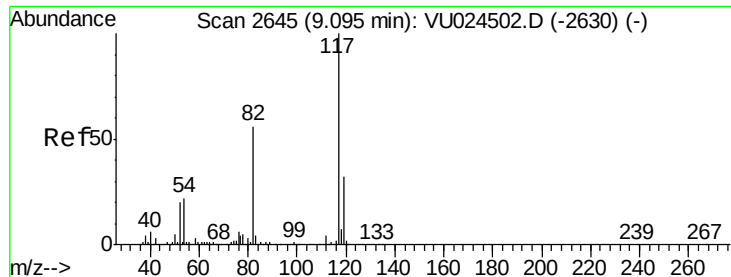
Tot Ion: 98 Resp: 447171
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 46.300 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU024563.D
Acq: 15 Jun 2018 00:59

Tgt Ion: 95 Resp: 169630
Ion Ratio Lower Upper
95 100
174 86.7 0.0 165.8
176 85.1 0.0 159.4

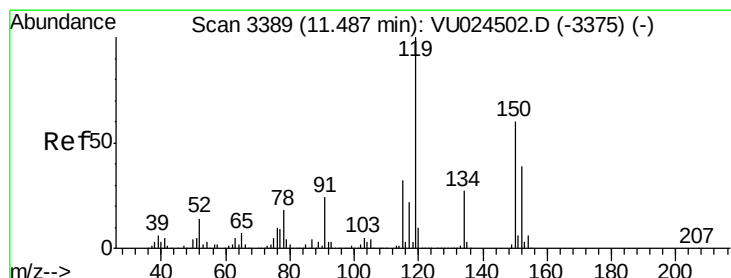
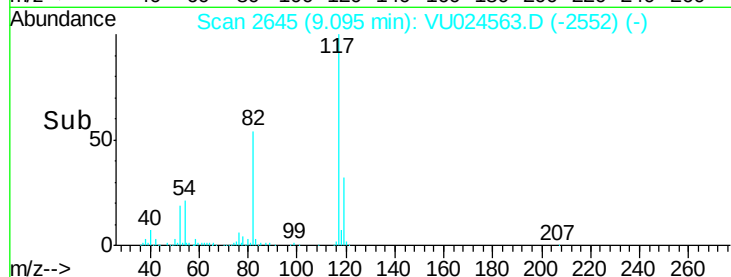
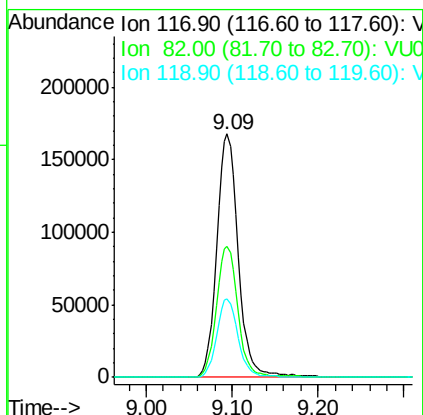
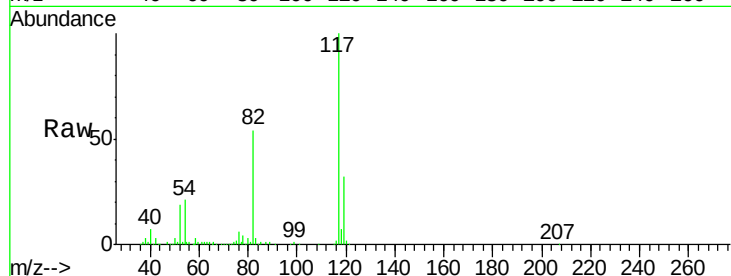




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024563.D
Acq: 15 Jun 2018 00:59

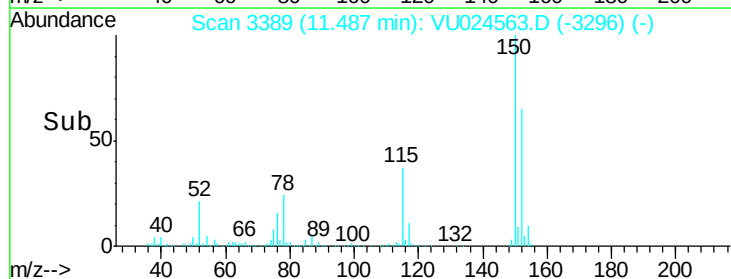
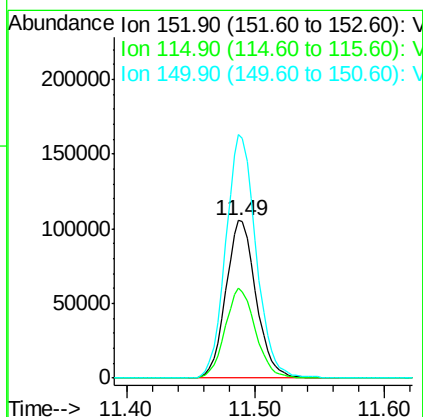
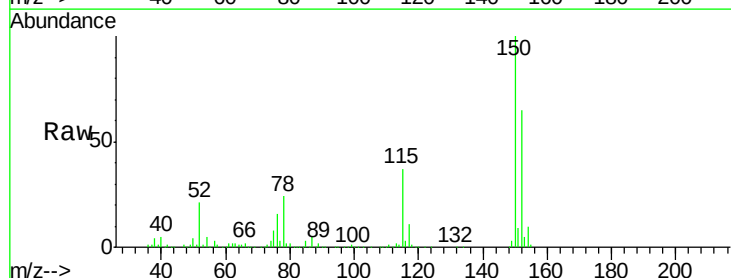
Instrument :
MSVOA_U
ClientSampleId :

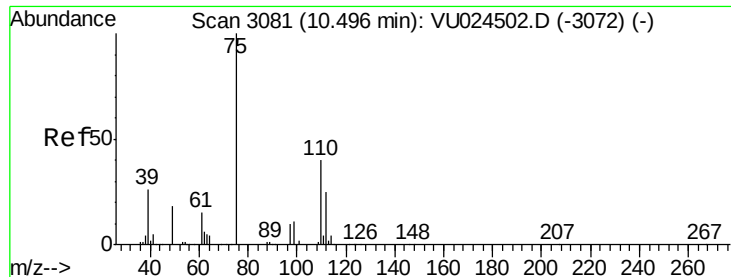
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.3	66.5
119	32.2	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024563.D
Acq: 15 Jun 2018 00:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	43.0	129.0
150	155.6	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 22.169 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024563.D

Acq: 15 Jun 2018 00:59

Instrument :

MSVOA_U

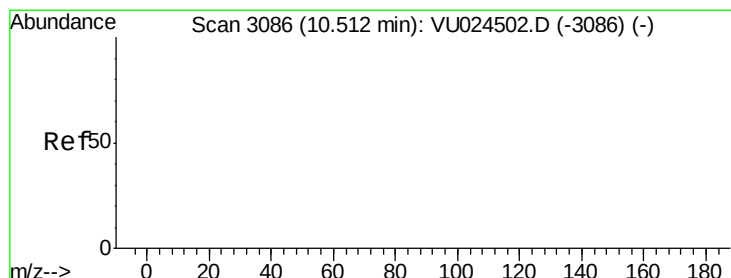
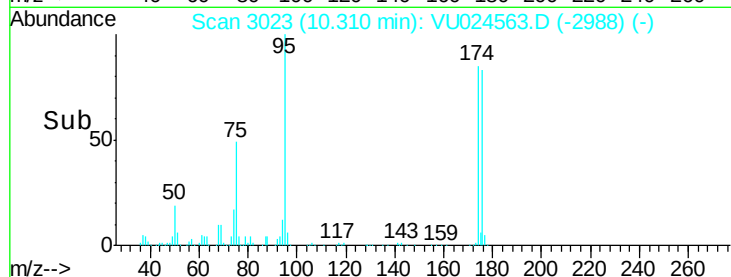
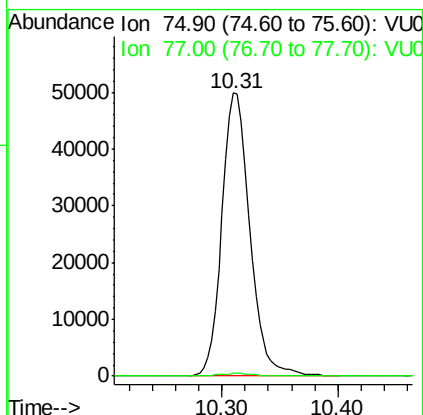
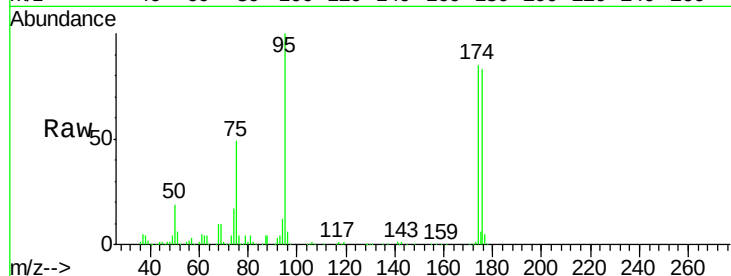
ClientSampleId :

Tot Ion: 75 Resp: 83453

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.309 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024563.D

Acq: 15 Jun 2018 00:59

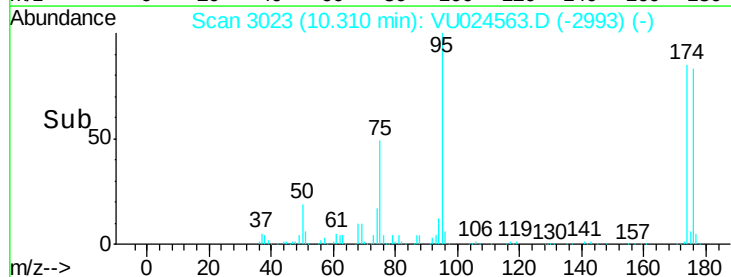
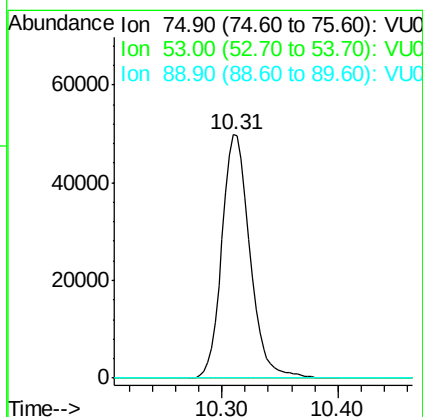
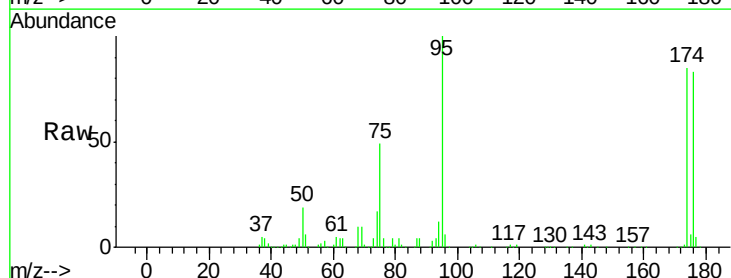
Tgt Ion: 75 Resp: 83453

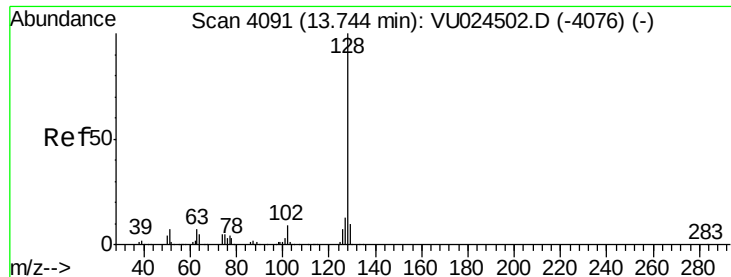
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.683 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

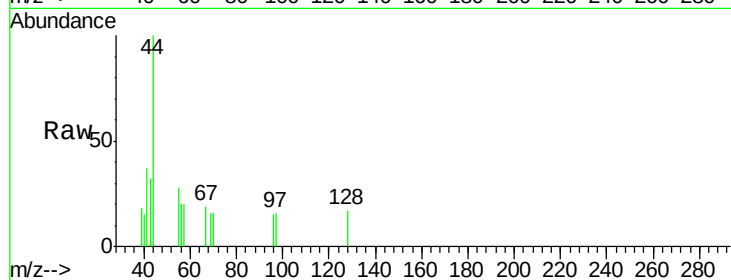
Lab File: VU024563.D

Acq: 15 Jun 2018 00:59

Instrument :

MSVOA_U

ClientSampleId :



Tot Ion:	128	Resp:	46
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

