

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024776.D
 Acq On : 20 Jun 2018 23:36
 Operator : MD/SY
 Sample : VU0620WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBL02

Quant Time: Jun 21 07:55:08 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

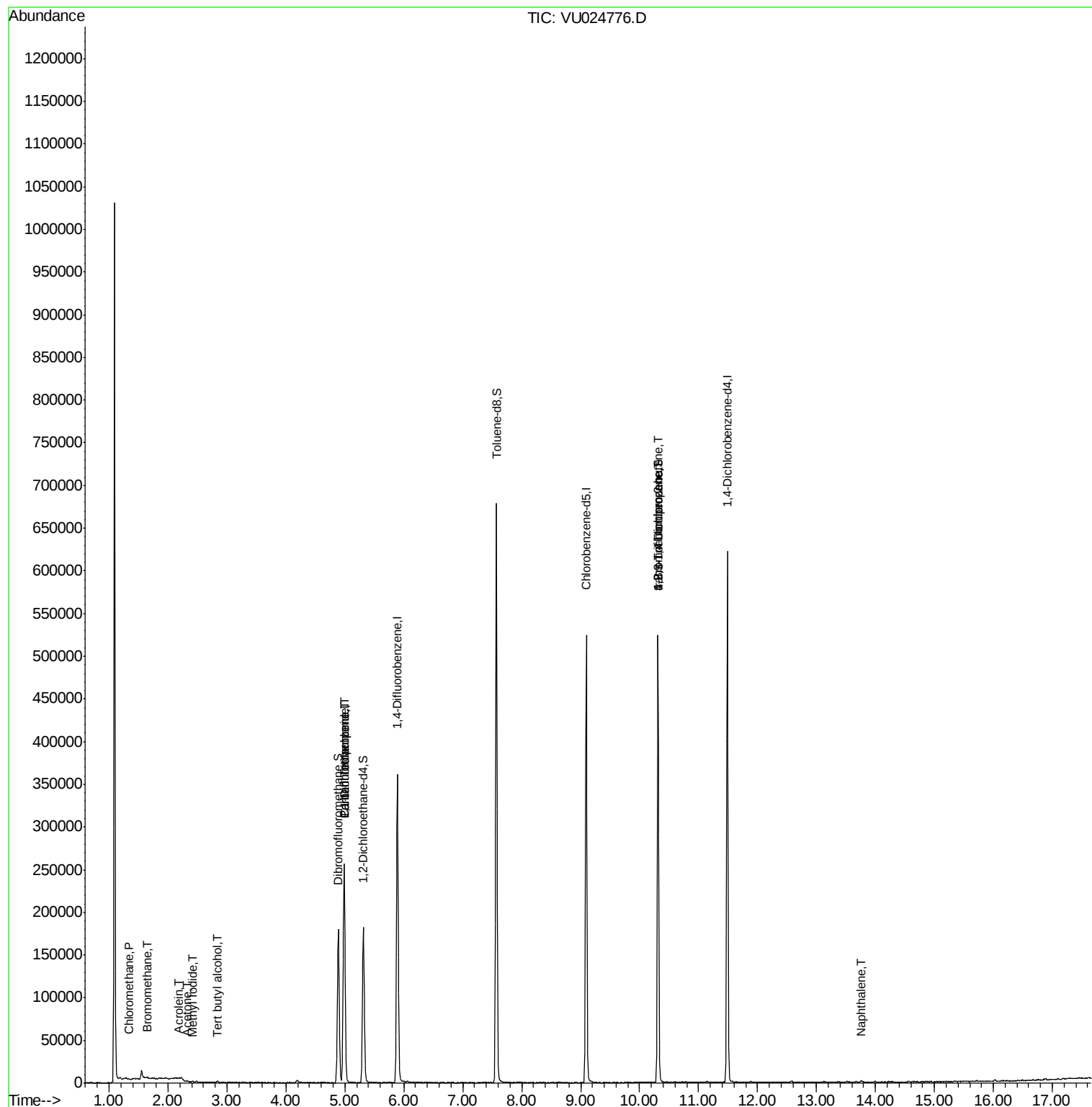
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	202601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	310529	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	292119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159359	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	139512	42.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.36%	
35) Dibromofluoromethane	4.89	113	120989	46.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.90%	
50) Toluene-d8	7.57	98	454482	48.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	10.31	95	167572	44.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.80%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1009	0.389	ug/l	98
5) Bromomethane	1.64	94	734	0.568	ug/l #	58
6) Chloroethane	1.70	64	69	Below Cal	#	43
10) Methyl Iodide	2.42	142	433	5.469	ug/l #	59
11) Tert butyl alcohol	2.84	59	596	0.741	ug/l #	81
13) Acrolein	2.19	56	402	0.952	ug/l #	13
16) Acetone	2.32	43	836	0.470	ug/l	92
31) Cyclohexane	4.99	56	4103	Below Cal	#	3
36) 1,1-Dichloropropene	4.99	75	14295	3.918	ug/l #	51
38) Carbon Tetrachloride	4.99	117	18810	4.688	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	85048	24.241	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	85048	56.103	ug/l #	100
95) Naphthalene	13.75	128	2446	0.885	ug/l #	88

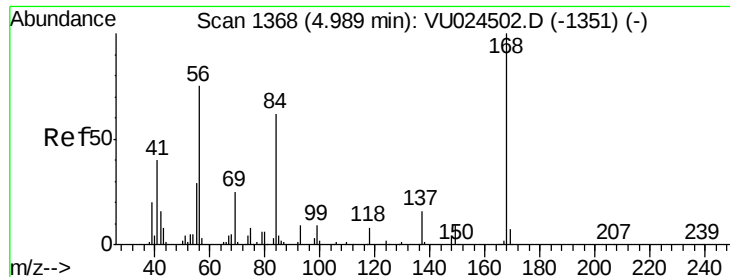
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024776.D

Acq: 20 Jun 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

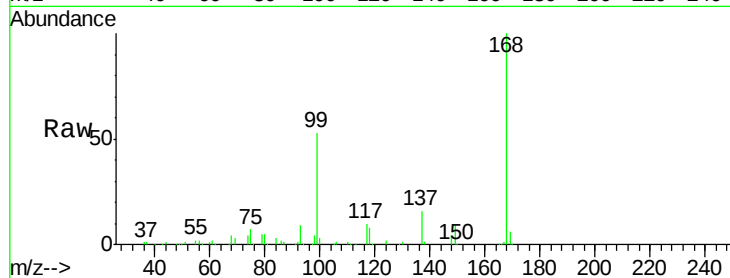
VU0620WBL02

Tgt Ion:168 Resp: 202601

Ion Ratio Lower Upper

168 100

99 52.9 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) (-)

4.99

100000

80000

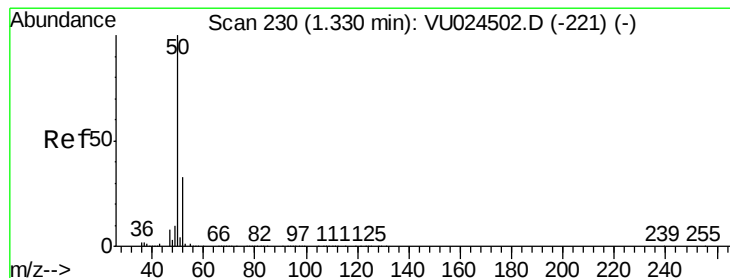
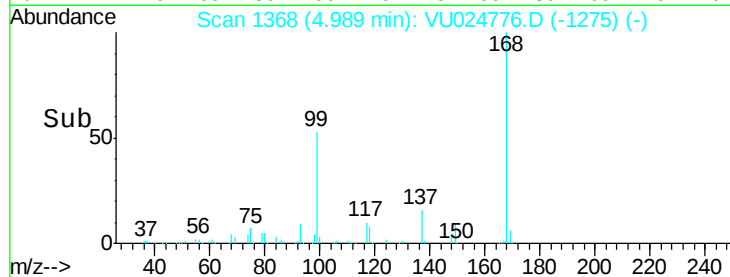
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.389 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024776.D

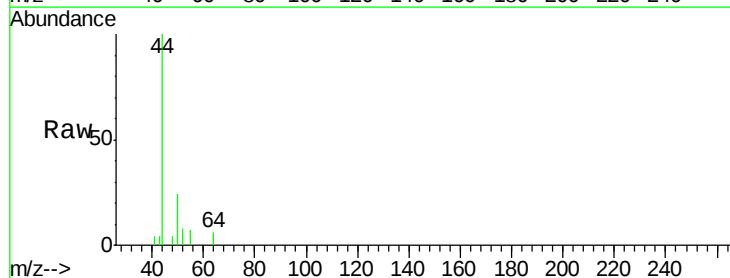
Acq: 20 Jun 2018 23:36

Tgt Ion: 50 Resp: 1009

Ion Ratio Lower Upper

50 100

52 34.0 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) (-)

1.33

800

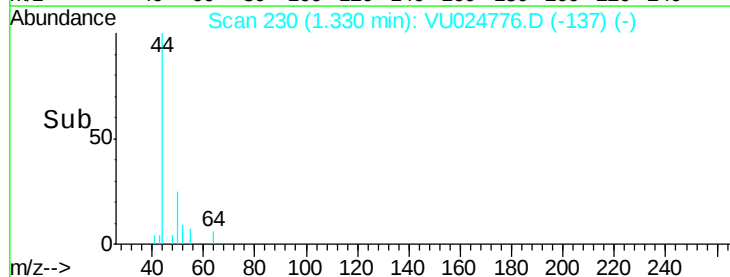
600

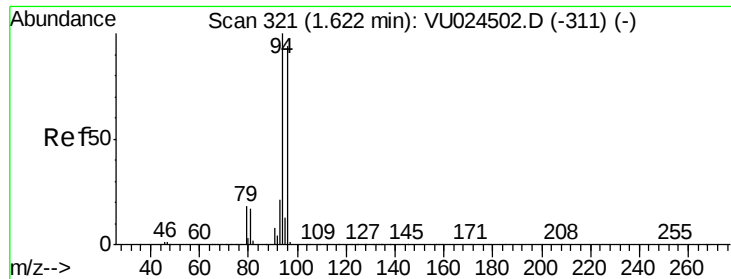
400

200

0

Time-->





#5

Bromomethane

Concen: 0.568 ug/l

RT: 1.64 min Scan# 328

Delta R.T. 0.02 min

Lab File: VU024776.D

Acq: 20 Jun 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

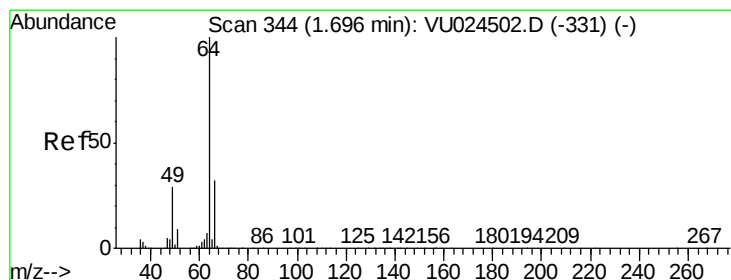
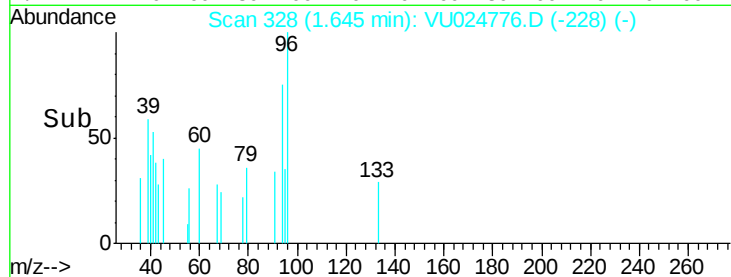
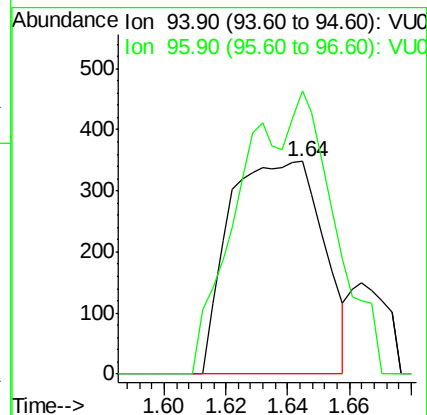
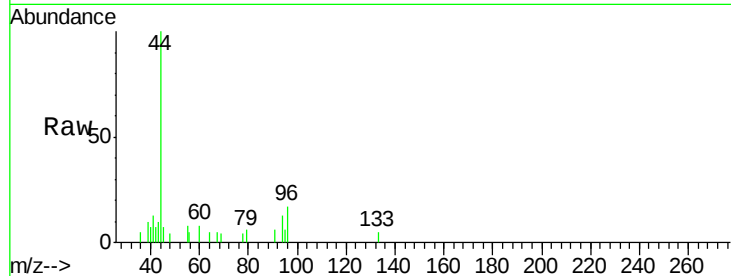
VU0620WBL02

Tgt Ion: 94 Resp: 734

Ion Ratio Lower Upper

94 100

96 133.0 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024776.D

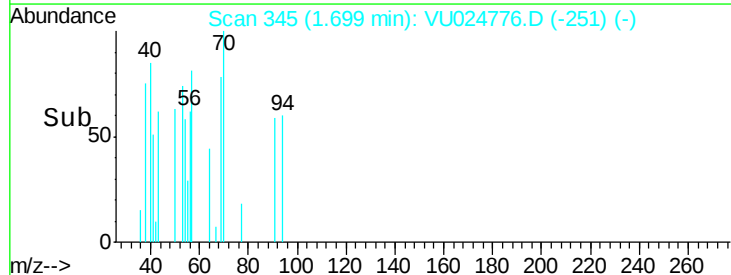
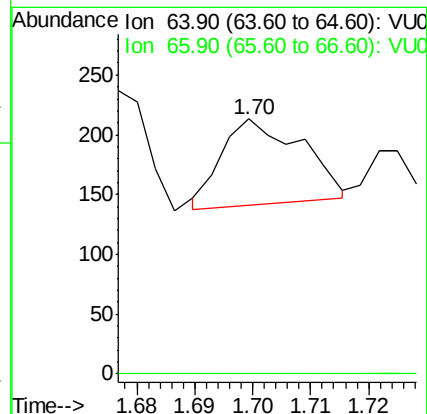
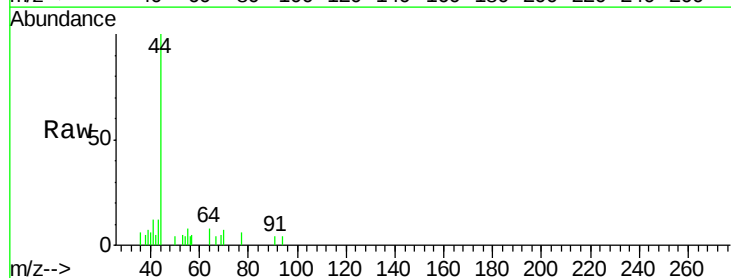
Acq: 20 Jun 2018 23:36

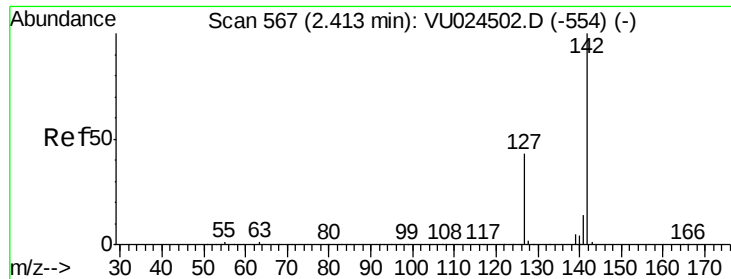
Tgt Ion: 64 Resp: 69

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

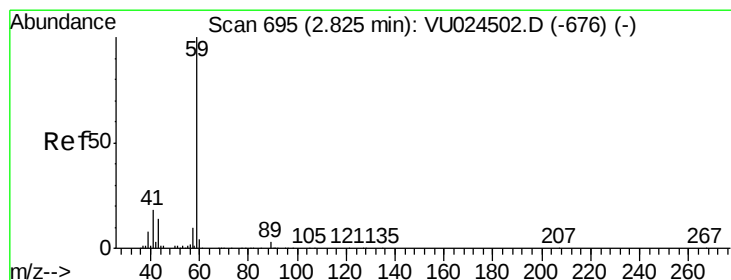
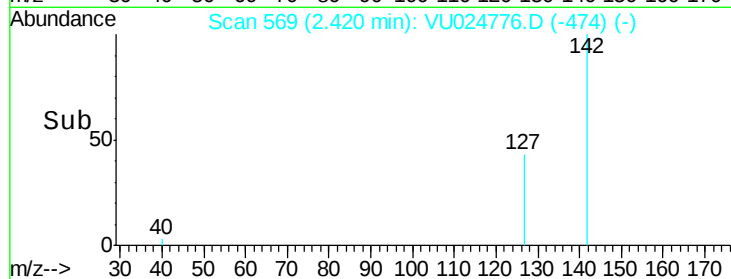
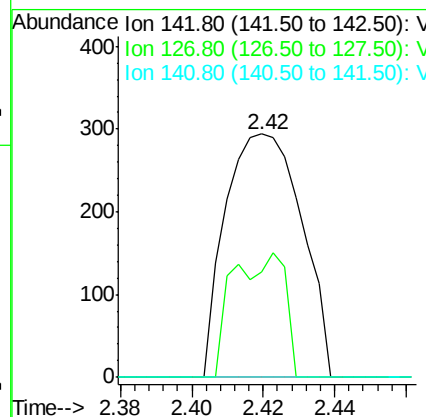
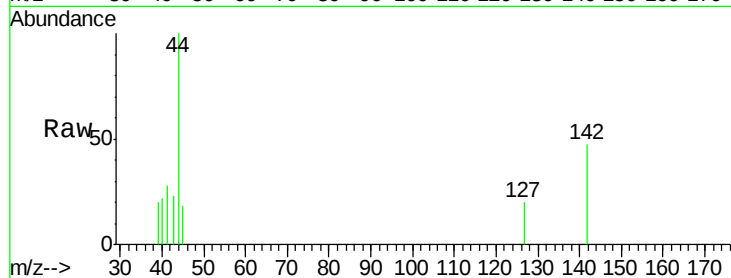




#10
Methyl Iodide
Concen: 5.469 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU024776.D
Acq: 20 Jun 2018 23:36

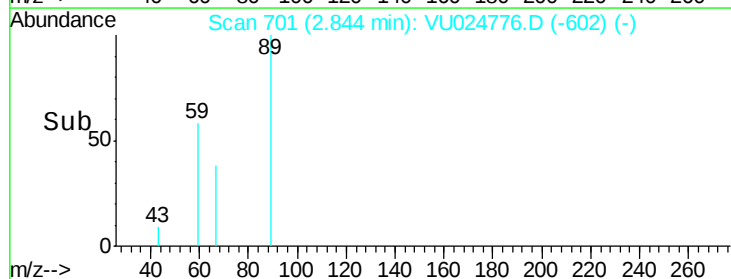
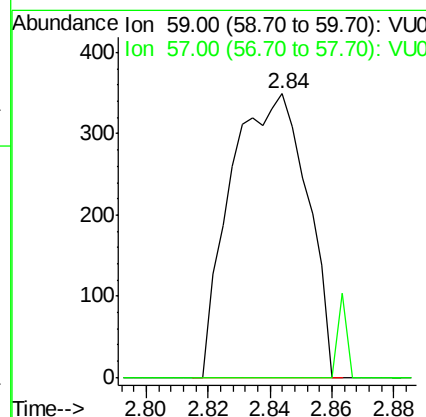
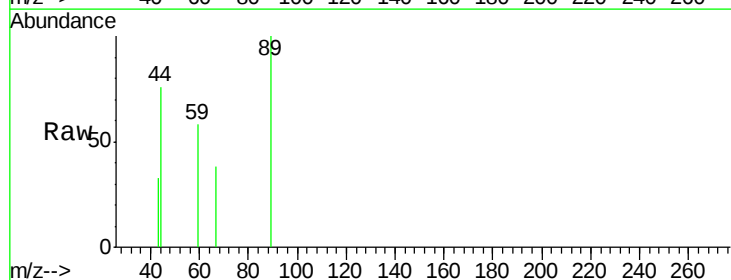
Instrument :
MSVOA_U
ClientSampleId :
VU0620WBL02

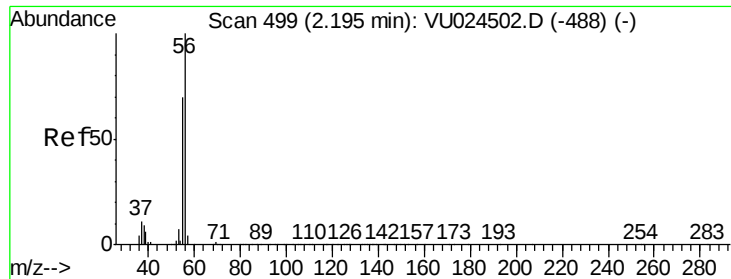
Tgt Ion:142 Resp: 433
Ion Ratio Lower Upper
142 100
127 16.9 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.741 ug/l
RT: 2.84 min Scan# 701
Delta R.T. 0.02 min
Lab File: VU024776.D
Acq: 20 Jun 2018 23:36

Tgt Ion: 59 Resp: 596
Ion Ratio Lower Upper
59 100
57 3.4 8.5 12.7#





#13

Acrolein

Concen: 0.952 ug/l

RT: 2.19 min Scan# 497

Delta R.T. -0.01 min

Lab File: VU024776.D

Acq: 20 Jun 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

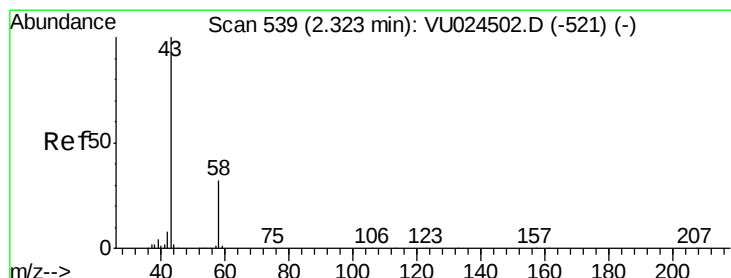
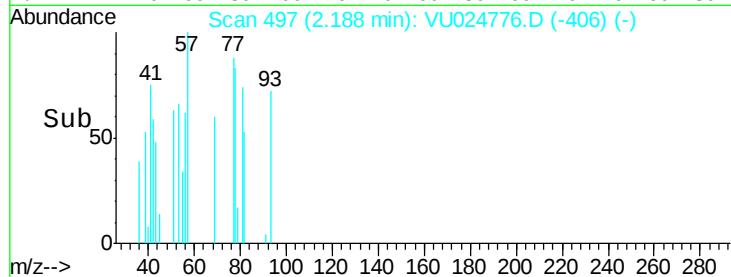
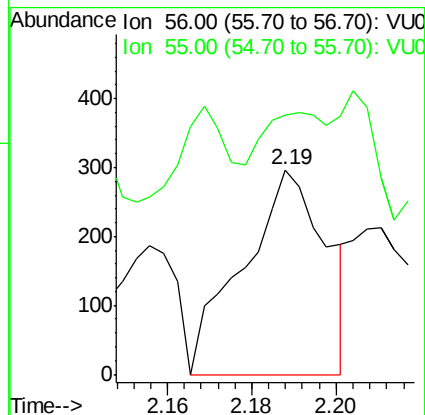
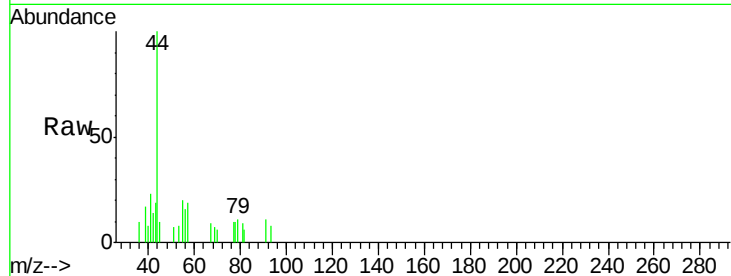
VU0620WBL02

Tgt Ion: 56 Resp: 402

Ion Ratio Lower Upper

56 100

55 0.0 58.4 87.6#



#16

Acetone

Concen: 0.470 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024776.D

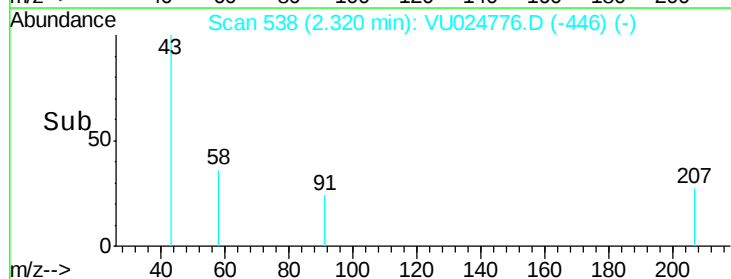
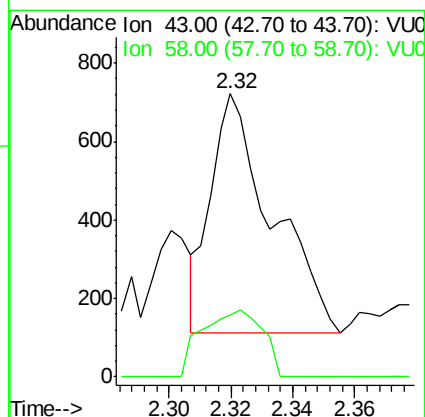
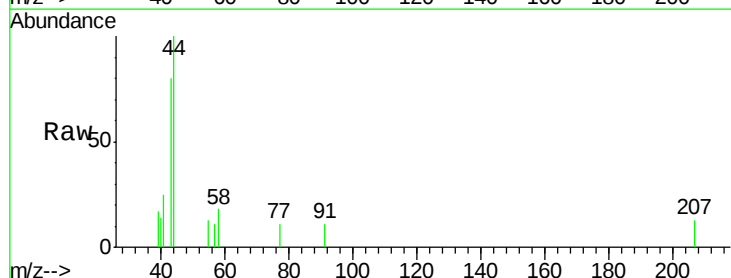
Acq: 20 Jun 2018 23:36

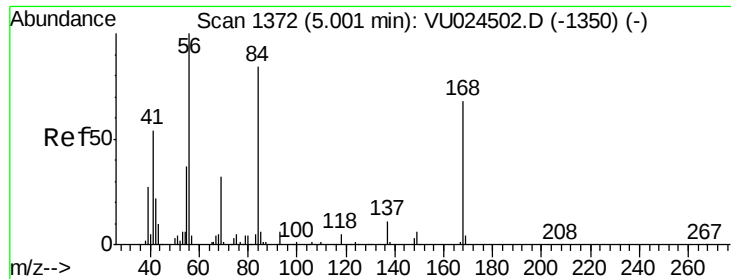
Tgt Ion: 43 Resp: 836

Ion Ratio Lower Upper

43 100

58 25.9 24.4 36.6

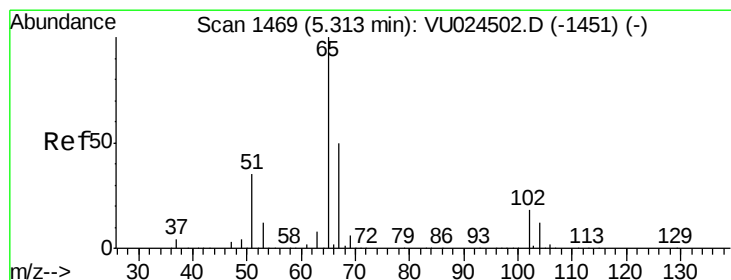
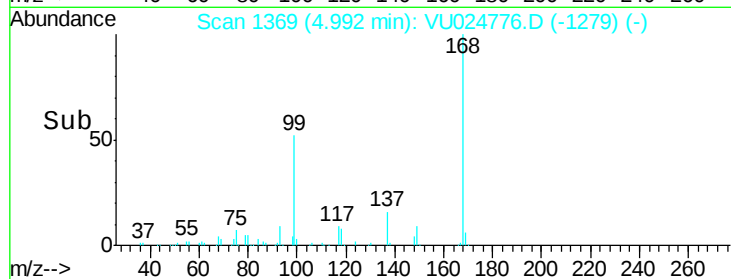
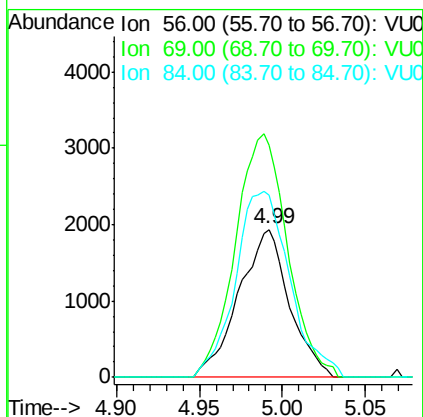
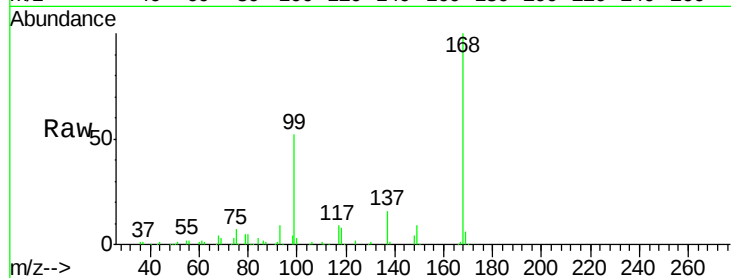




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU024776.D
Acq: 20 Jun 2018 23:36

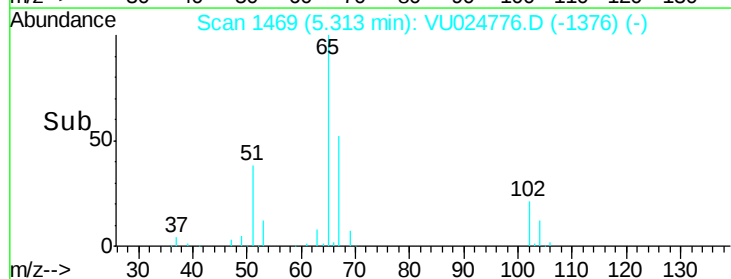
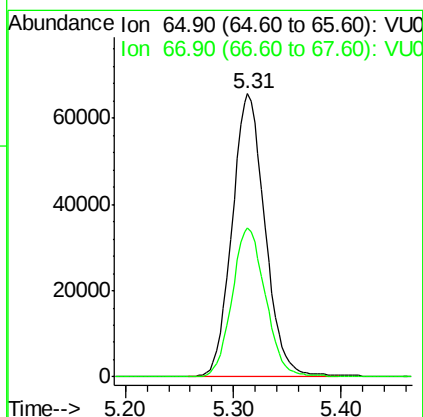
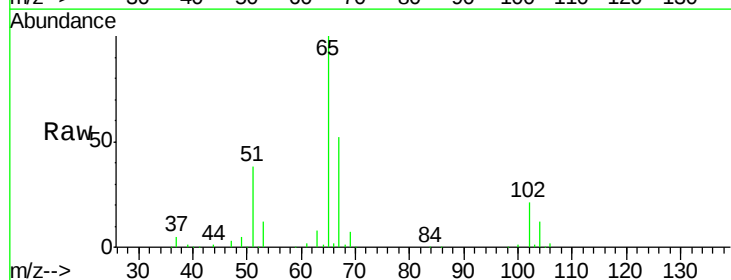
Instrument :
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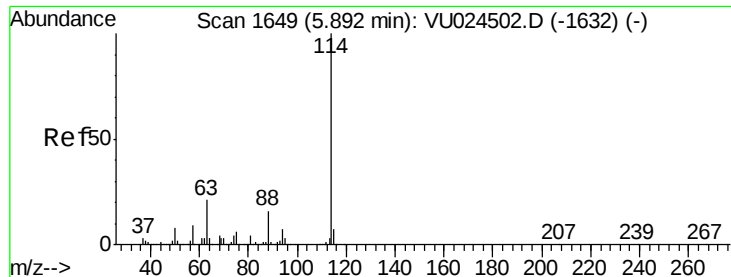
Tgt Ion: 56 Resp: 4103
Ion Ratio Lower Upper
56 100
69 156.8 24.8 37.2#
84 123.3 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 42.180 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024776.D
Acq: 20 Jun 2018 23:36

Tgt Ion: 65 Resp: 139512
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.0

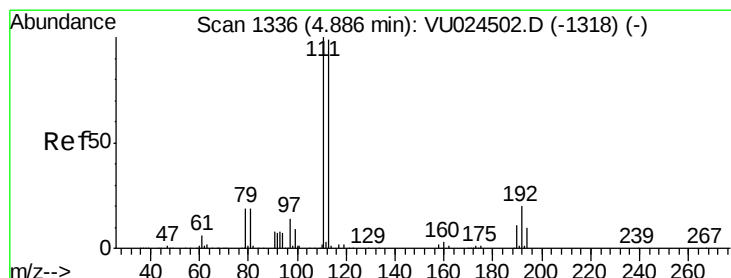
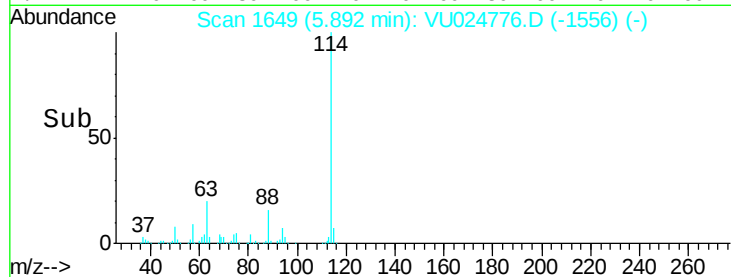
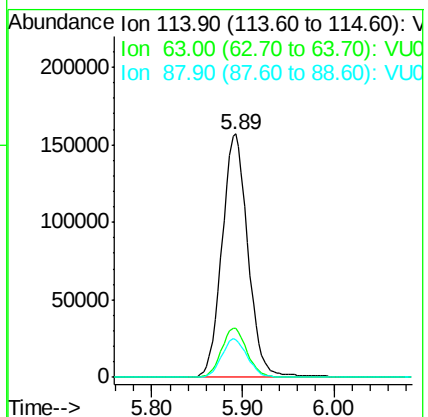
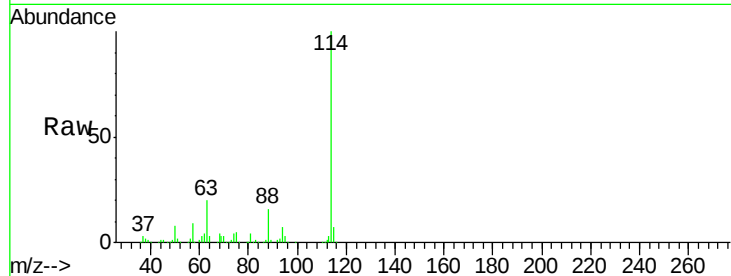




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU024776.D
Acq: 20 Jun 2018 23:36

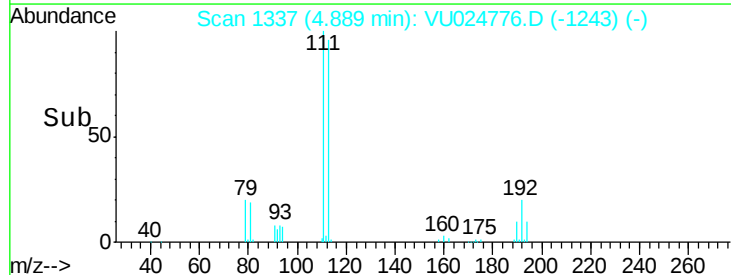
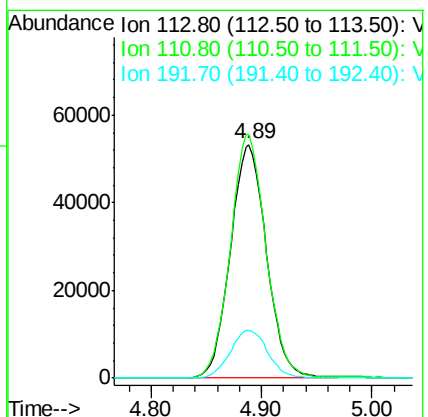
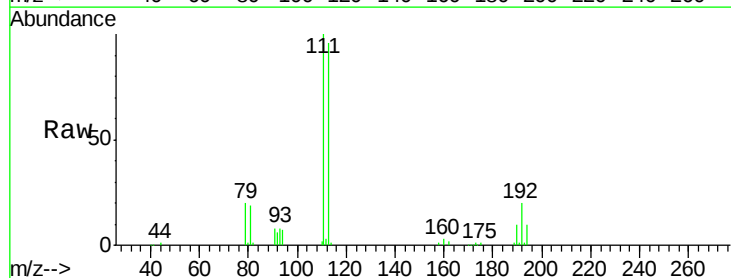
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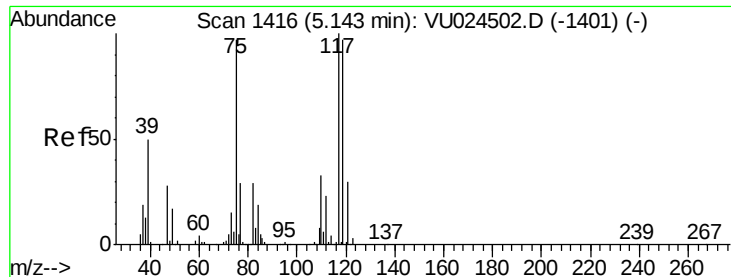
Tgt Ion:	114	Resp:	310529
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	45.4
88	15.7	0.0	31.0



#35
Dibromofluoromethane
Concen: 46.947 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU024776.D
Acq: 20 Jun 2018 23:36

Tgt Ion:	113	Resp:	120989
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	21.2	16.2	24.4





#36

1,1-Dichloropropene

Concen: 3.918 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024776.D

Acq: 20 Jun 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBL02

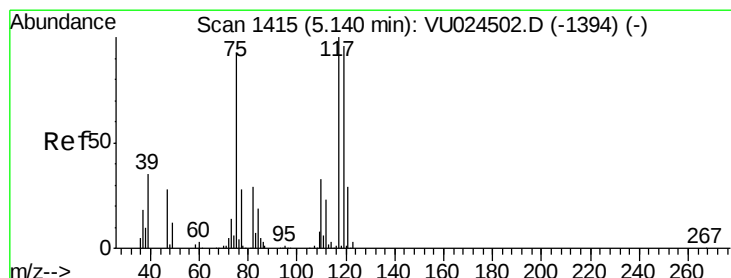
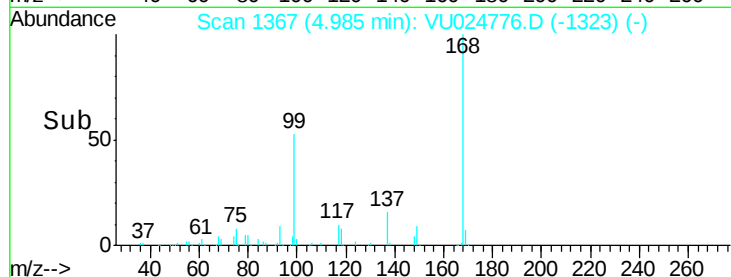
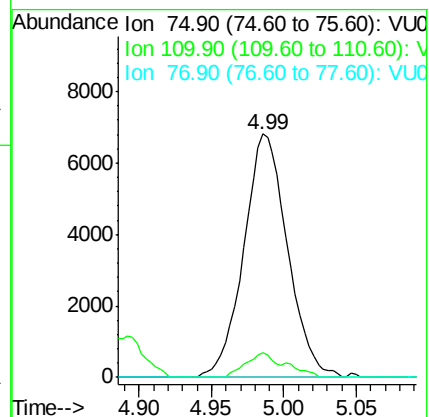
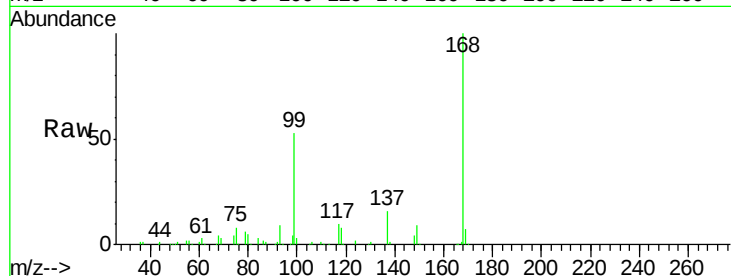
Tgt Ion: 75 Resp: 14295

Ion Ratio Lower Upper

75 100

110 9.1 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.688 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024776.D

Acq: 20 Jun 2018 23:36

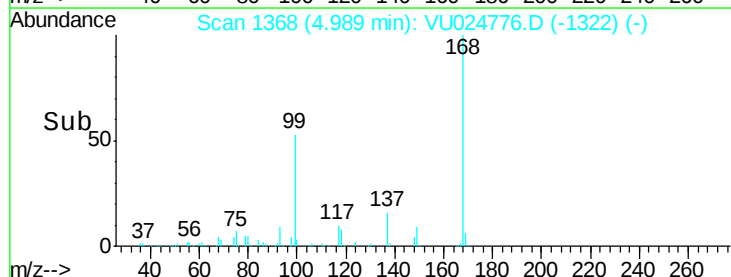
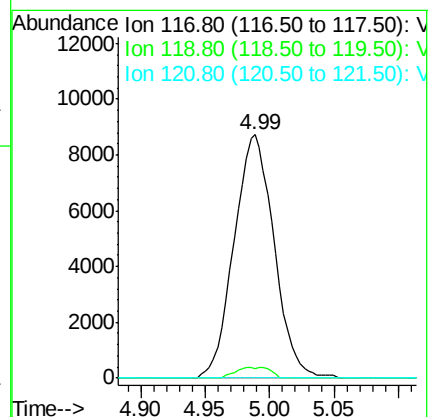
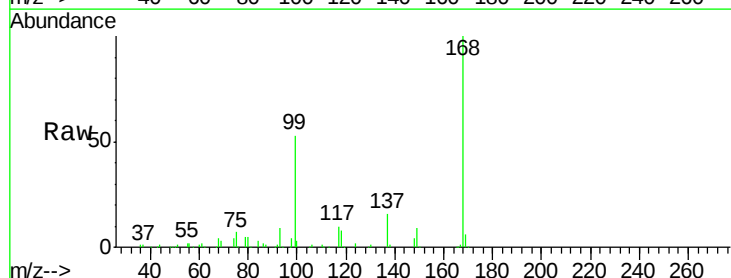
Tgt Ion: 117 Resp: 18810

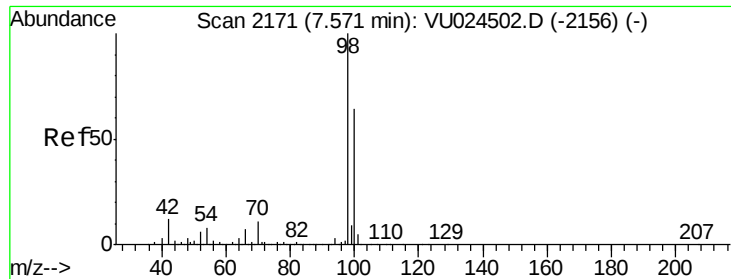
Ion Ratio Lower Upper

117 100

119 4.1 76.1 114.1#

121 0.0 23.7 35.5#

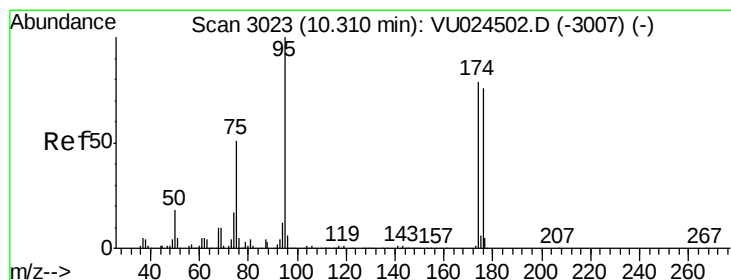
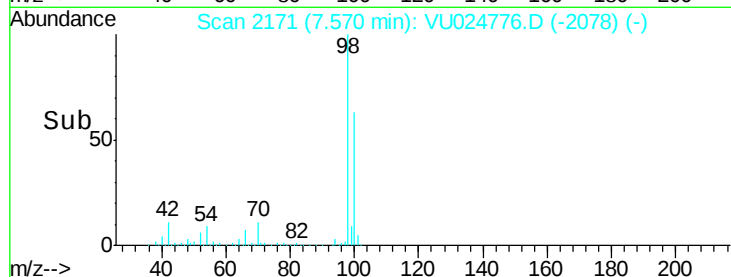
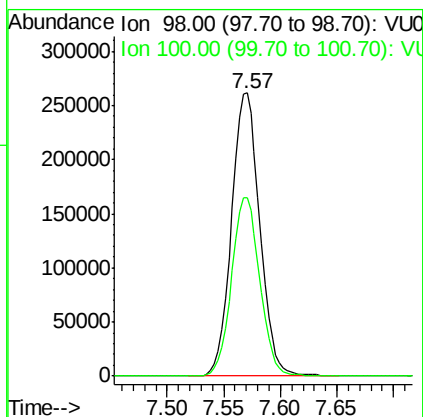
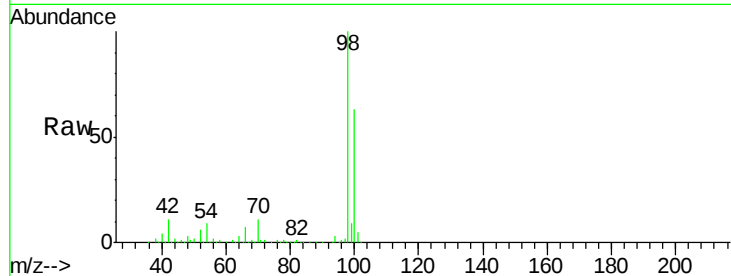




#50
Toluene-d8
Concen: 48.347 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024776.D
Acq: 20 Jun 2018 23:36

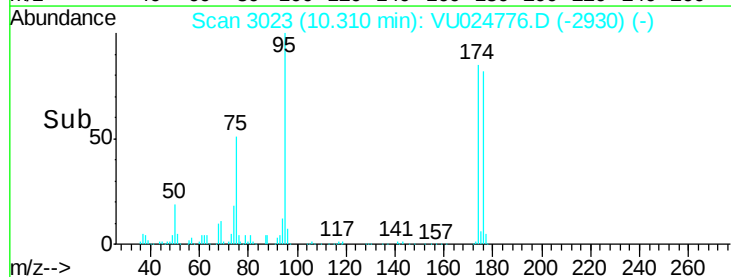
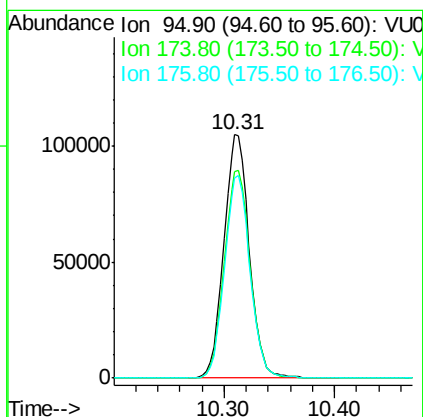
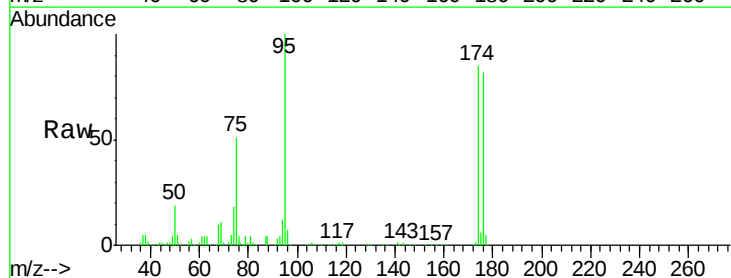
Instrument :
MSVOA_U
ClientSampleId :
VU0620WBL02

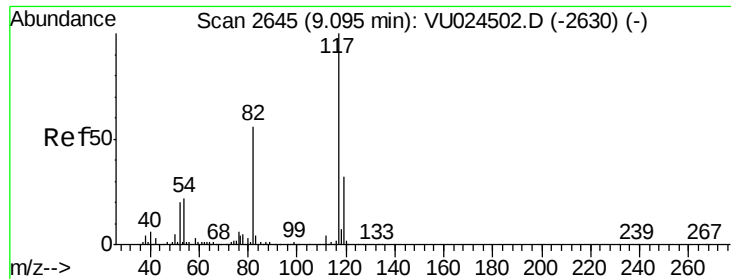
Tgt Ion: 98 Resp: 454482
Ion Ratio Lower Upper
98 100
100 63.1 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 44.897 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024776.D
Acq: 20 Jun 2018 23:36

Tgt Ion: 95 Resp: 167572
Ion Ratio Lower Upper
95 100
174 86.9 0.0 165.8
176 83.5 0.0 159.4

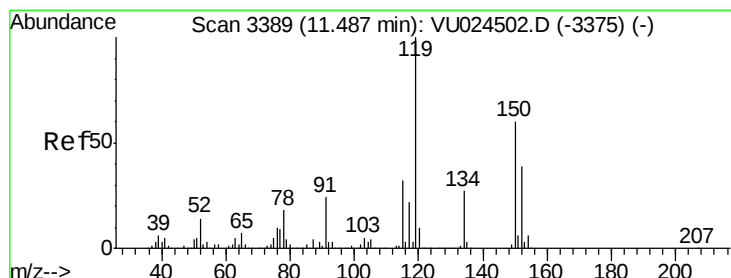
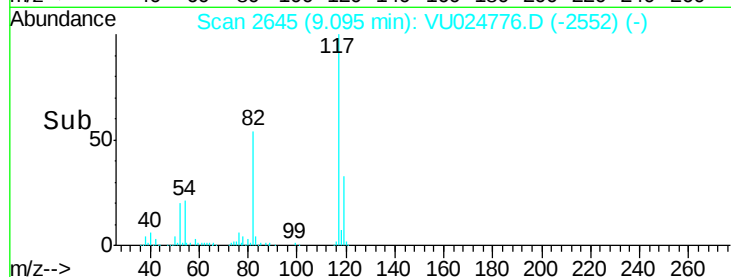
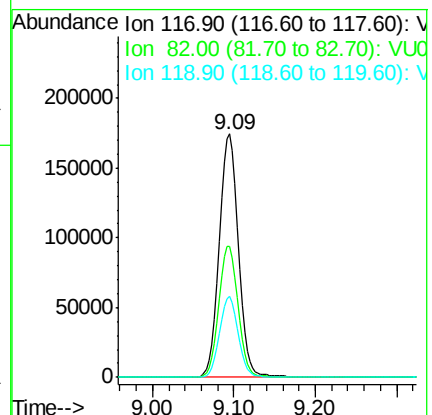
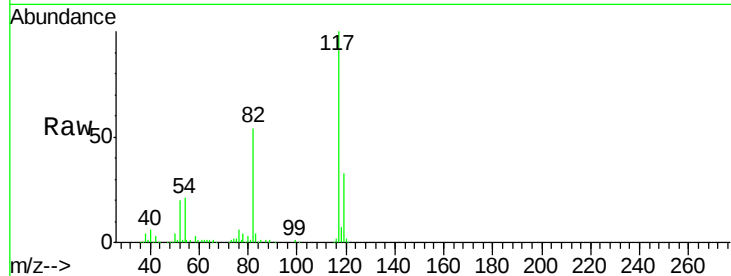




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024776.D
Acq: 20 Jun 2018 23:36

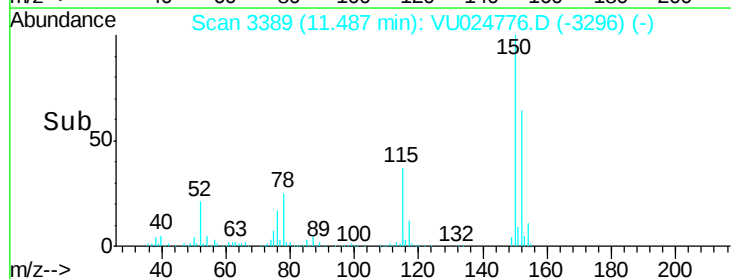
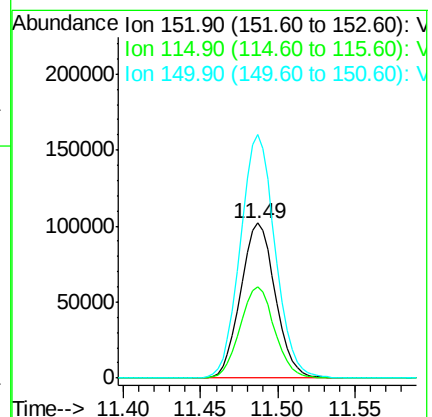
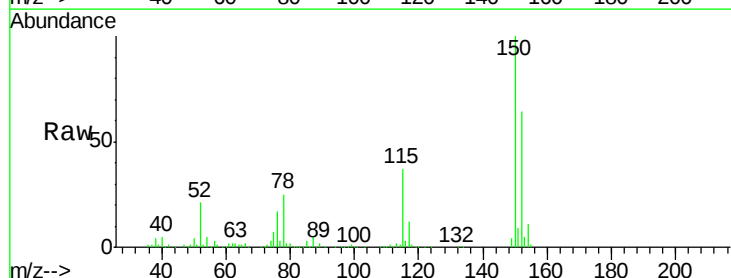
Instrument :
MSVOA_U
ClientSampleId :
VU0620WBL02

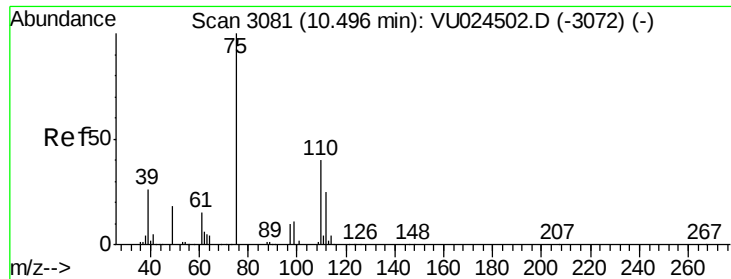
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.3	66.5
119	33.0	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024776.D
Acq: 20 Jun 2018 23:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	43.0	129.0
150	157.7	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 24.241 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024776.D

Acq: 20 Jun 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

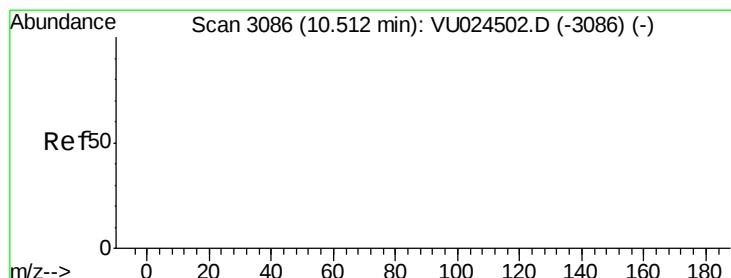
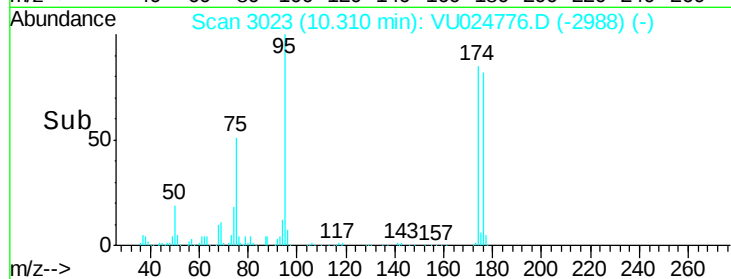
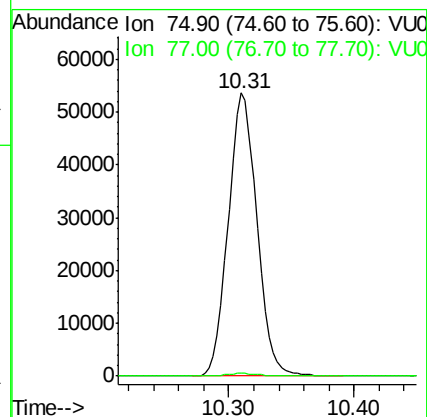
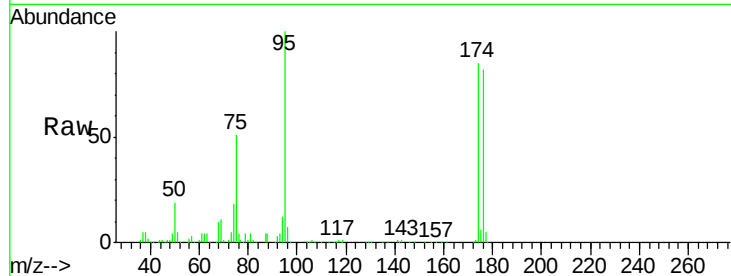
VU0620WBL02

Tgt Ion: 75 Resp: 85048

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.103 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024776.D

Acq: 20 Jun 2018 23:36

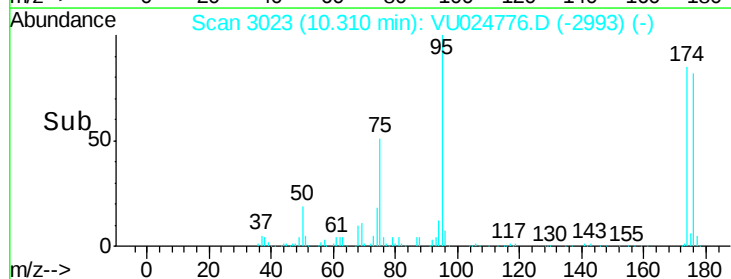
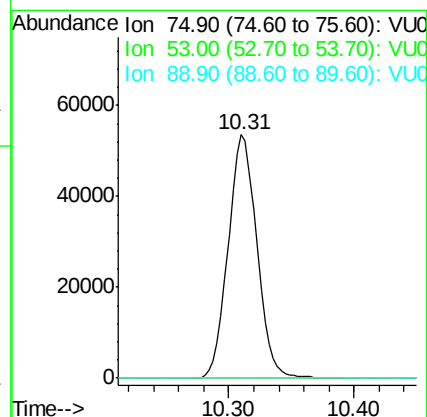
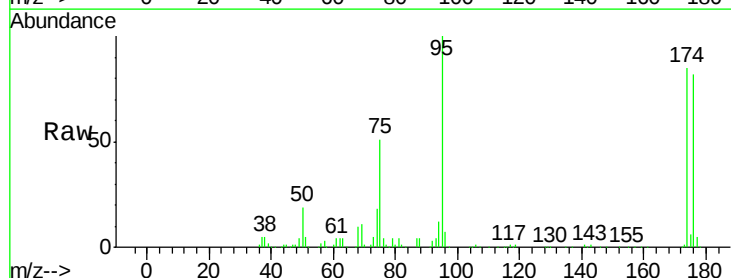
Tgt Ion: 75 Resp: 85048

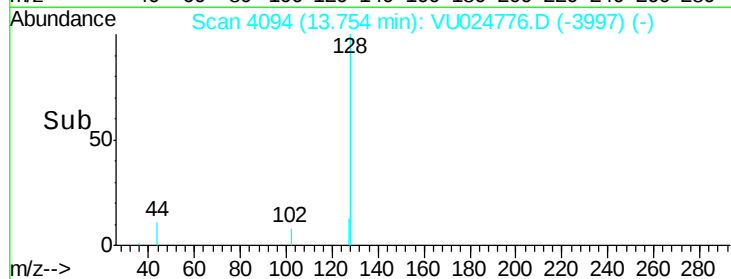
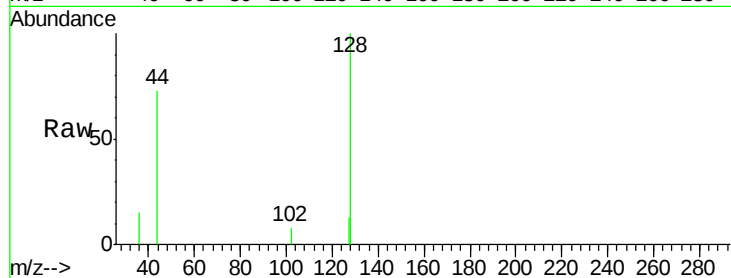
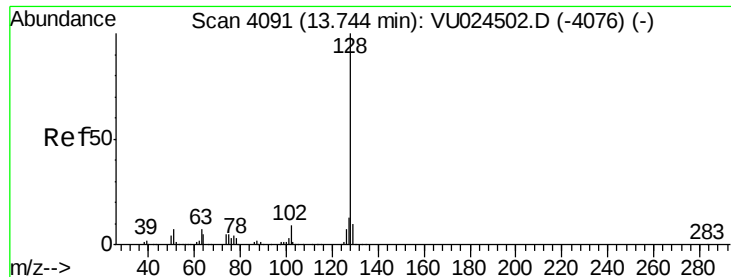
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.885 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU024776.D

Acq: 20 Jun 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBL02

Tgt Ion:128 Resp: 2446

Ion Ratio Lower Upper

128 100

127 11.5 10.6 16.0

129 2.8 8.6 12.8#

