

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024527.D
 Acq On : 13 Jun 2018 23:41
 Operator : MD/SY
 Sample : VU0613WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0614WBL01

Quant Time: Jun 14 02:22:58 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	164556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	288346	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	286716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	152905	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	107856	40.15	ug/l	0.00
Spiked Amount 50.000			Recovery =	80.30%		
35) Dibromofluoromethane	4.89	113	100713	42.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	84.18%		
50) Toluene-d8	7.57	98	360095	41.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	82.50%		
62) 4-Bromofluorobenzene	10.31	95	146643	42.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	84.62%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	443	0.42	ug/l #	58
6) Chloroethane	1.71	64	152	Below Cal	#	59
8) Diethyl Ether	2.15	74	68	Below Cal		92
10) Methyl Iodide	2.24	142	70	5.32	ug/l #	1
13) Acrolein	2.17	56	164	0.48	ug/l #	69
16) Acetone	2.36	43	315	0.22	ug/l	90
20) Methylene Chloride	2.71	84	2249	0.99	ug/l #	80
31) Cyclohexane	4.73	56	223	Below Cal		89
36) 1,1-Dichloropropene	4.99	75	11402	3.37	ug/l #	49
38) Carbon Tetrachloride	4.99	117	15022	4.03	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	74572	22.15	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	74572	51.27	ug/l #	100
95) Naphthalene	13.78	128	1420	0.80	ug/l #	80

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

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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
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Acq On    : 13 Jun 2018   23:41
Operator  : MD/SY
Sample    : VU0613WBL02
Misc      : 5.0mL/MSVOA_U/WATER
ALS Vial  : 32   Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024527.D

Acq: 13 Jun 2018 23:41

Instrument :

MSVOA_U

ClientSampleId :

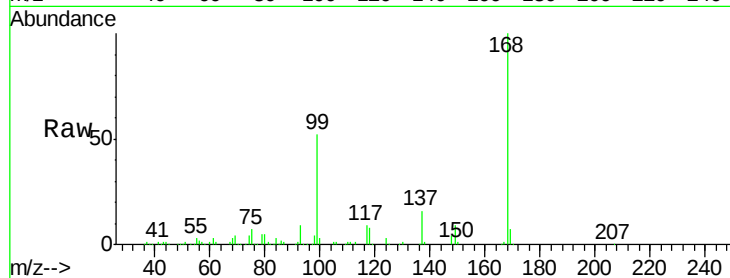
VU0614WBL01

Tgt Ion:168 Resp: 164556

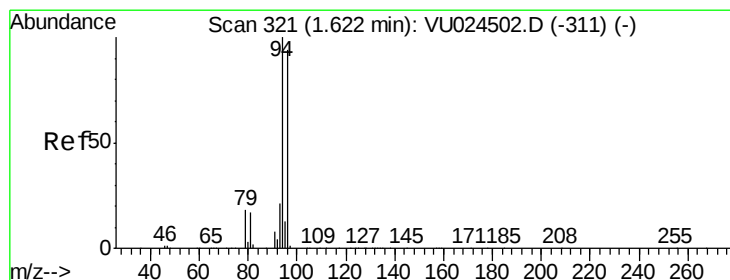
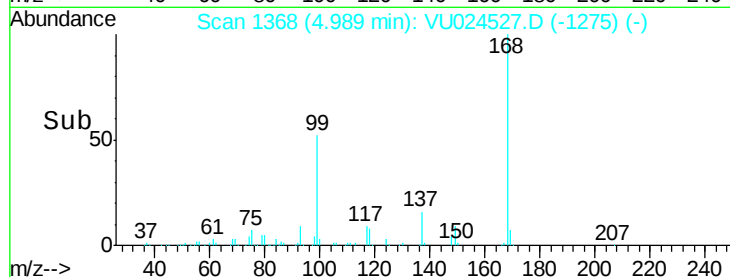
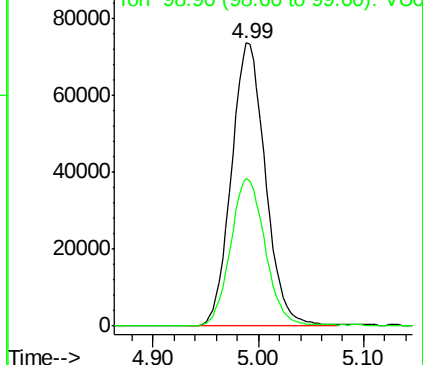
Ion Ratio Lower Upper

168 100

99 52.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024527.D (-1275) (-)



#5

Bromomethane

Concen: 0.42 ug/l

RT: 1.64 min Scan# 327

Delta R.T. 0.02 min

Lab File: VU024527.D

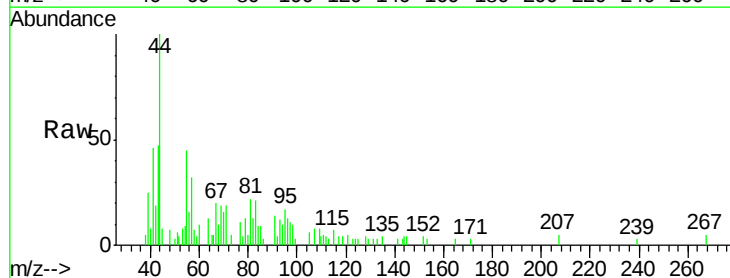
Acq: 13 Jun 2018 23:41

Tgt Ion: 94 Resp: 443

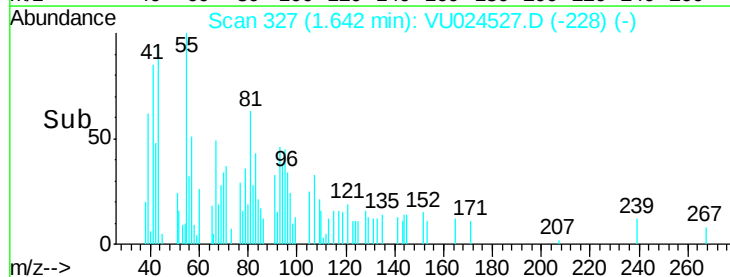
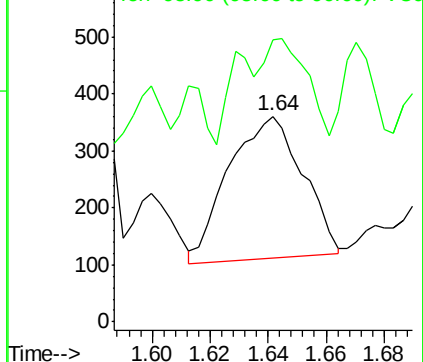
Ion Ratio Lower Upper

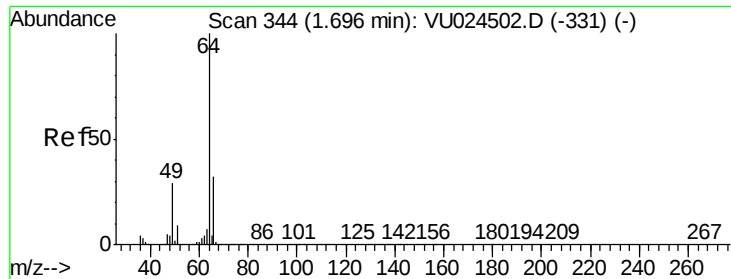
94 100

96 53.2 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU024527.D (-228) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 348

Delta R.T. 0.01 min

Lab File: VU024527.D

Acq: 13 Jun 2018 23:41

Instrument :

MSVOA_U

ClientSampleId :

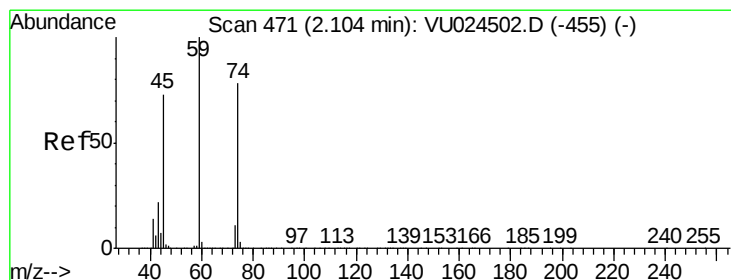
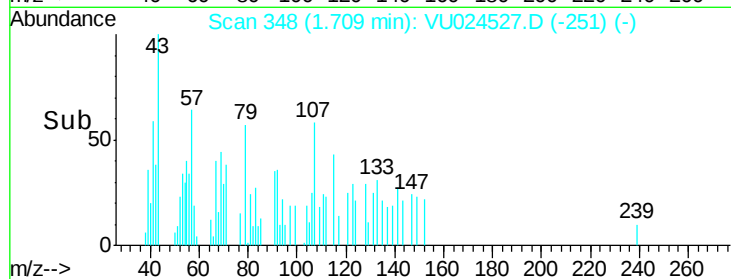
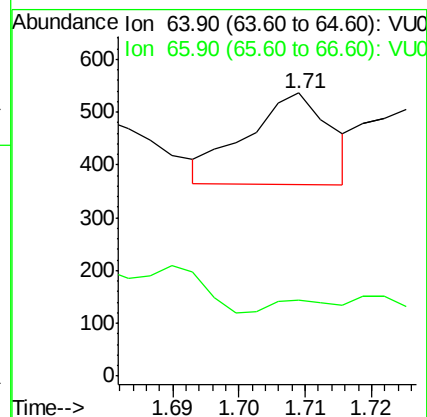
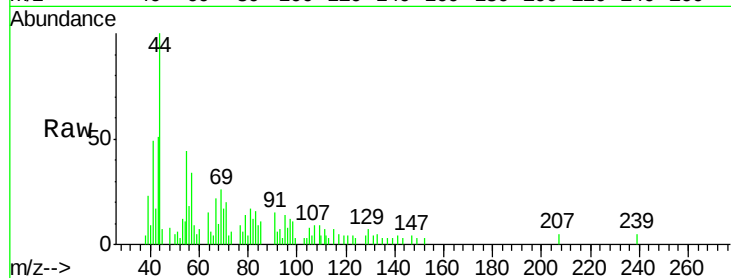
VU0614WBL01

Tgt Ion: 64 Resp: 152

Ion Ratio Lower Upper

64 100

66 8.8 25.5 38.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.15 min Scan# 486

Delta R.T. 0.05 min

Lab File: VU024527.D

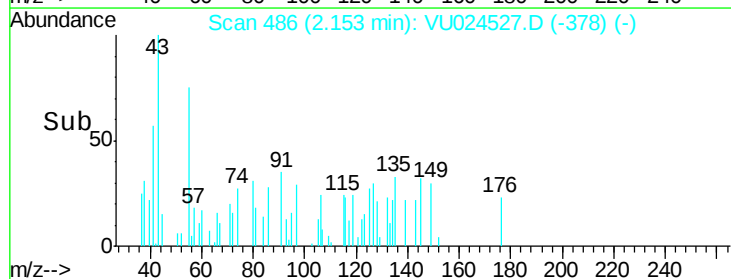
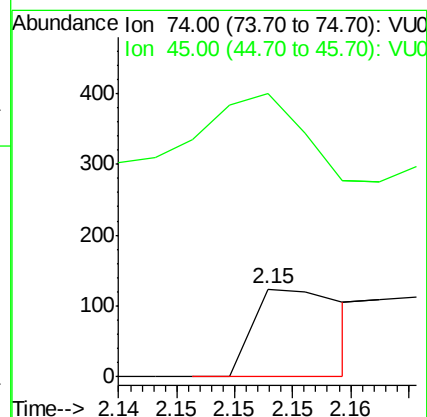
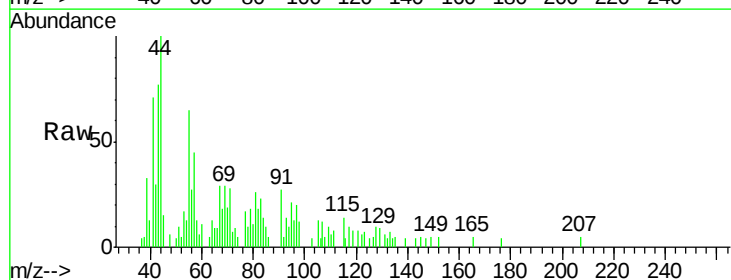
Acq: 13 Jun 2018 23:41

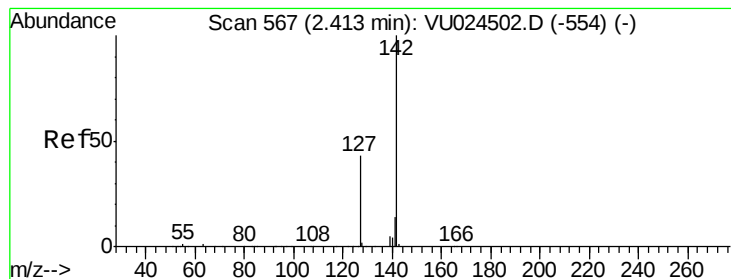
Tgt Ion: 74 Resp: 68

Ion Ratio Lower Upper

74 100

45 101.5 55.0 165.0





#10

Methyl Iodide

Concen: 5.32 ug/l

RT: 2.24 min Scan# 514

Delta R.T. -0.17 min

Lab File: VU024527.D

Acq: 13 Jun 2018 23:41

Instrument :

MSVOA_U

ClientSampleId :

VU0614WBL01

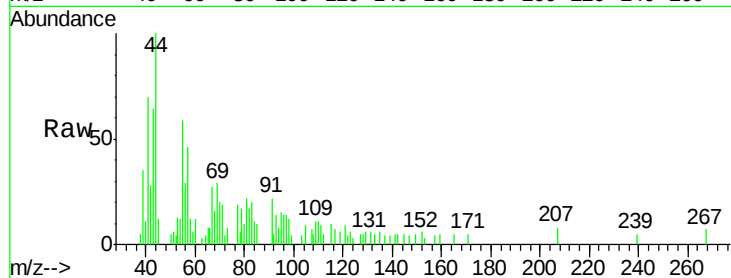
Tgt Ion:142 Resp: 70

Ion Ratio Lower Upper

142 100

127 455.7 35.6 53.4#

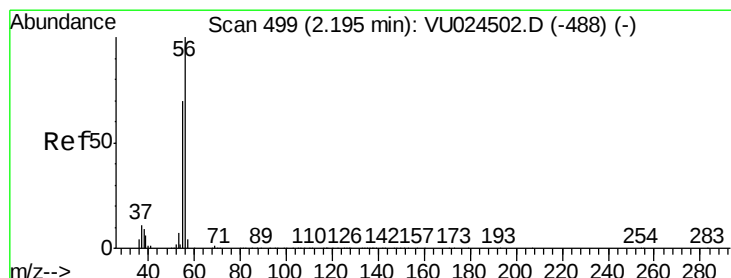
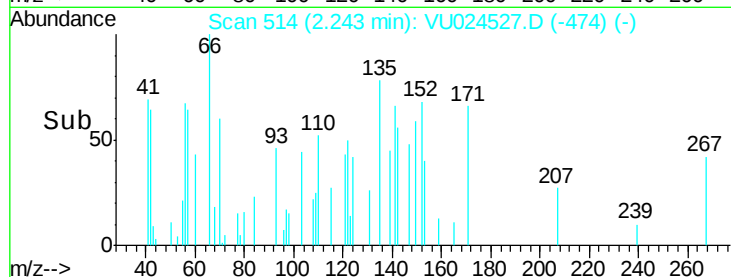
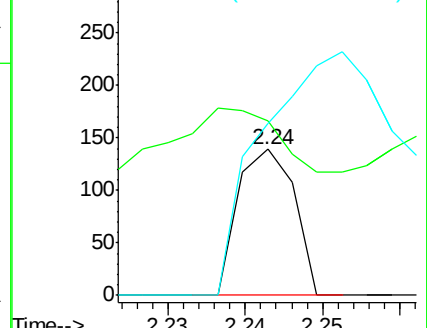
141 0.0 11.7 17.5#



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



#13

Acrolein

Concen: 0.48 ug/l

RT: 2.17 min Scan# 492

Delta R.T. -0.02 min

Lab File: VU024527.D

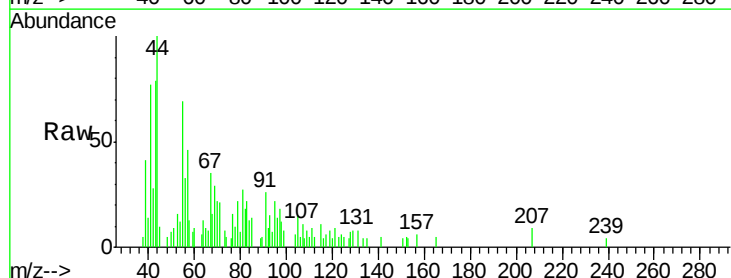
Acq: 13 Jun 2018 23:41

Tgt Ion: 56 Resp: 164

Ion Ratio Lower Upper

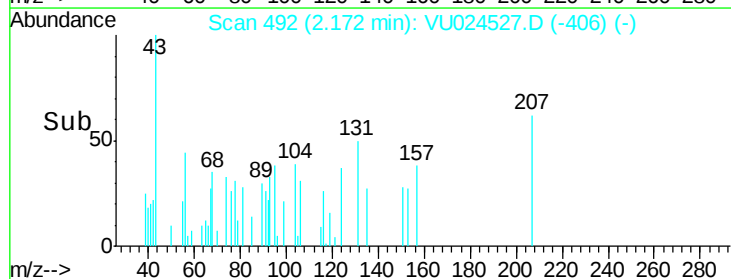
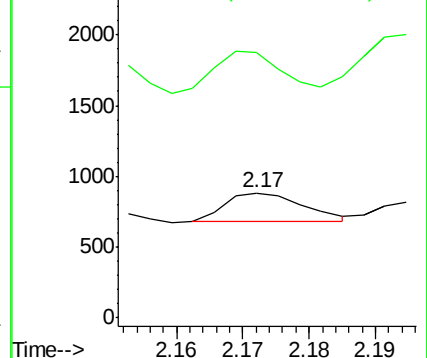
56 100

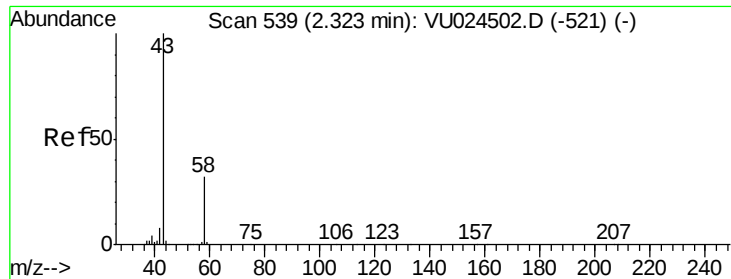
55 99.4 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0





#16

Acetone

Concen: 0.22 ug/l

RT: 2.36 min Scan# 551

Delta R.T. 0.04 min

Lab File: VU024527.D

Acq: 13 Jun 2018 23:41

Instrument :

MSVOA_U

ClientSampleId :

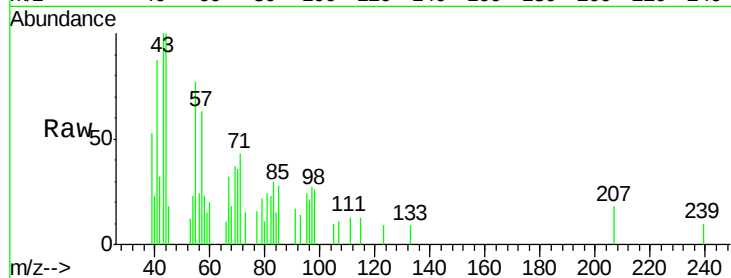
VU0614WBL01

Tgt Ion: 43 Resp: 315

Ion Ratio Lower Upper

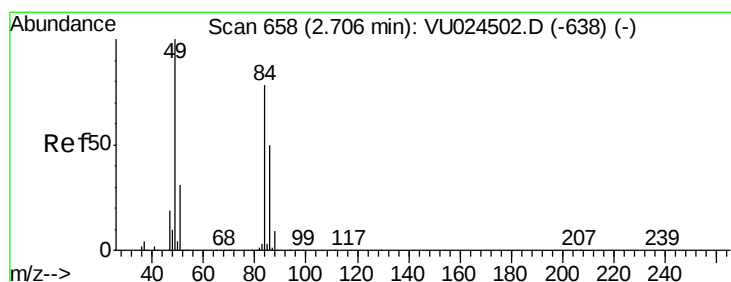
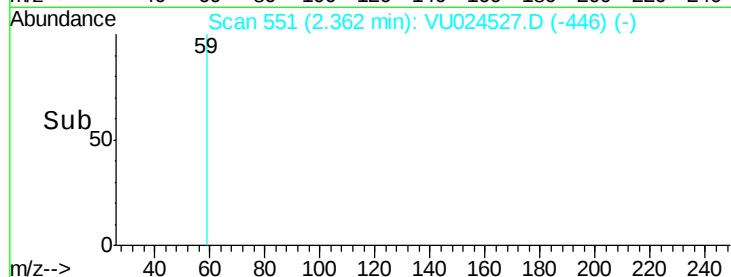
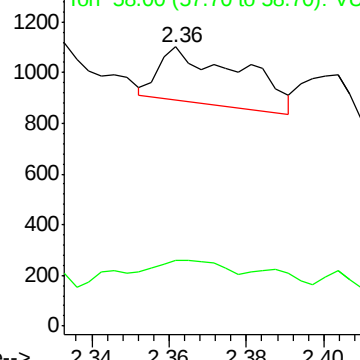
43 100

58 25.0 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#20

Methylene Chloride

Concen: 0.99 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.00 min

Lab File: VU024527.D

Acq: 13 Jun 2018 23:41

Tgt Ion: 84 Resp: 2249

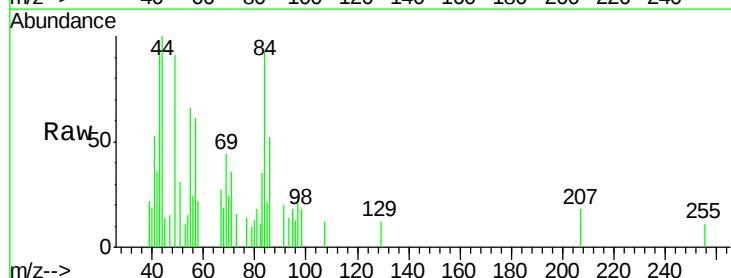
Ion Ratio Lower Upper

84 100

49 98.4 103.8 155.8#

51 33.4 32.0 48.0

86 55.8 51.6 77.4

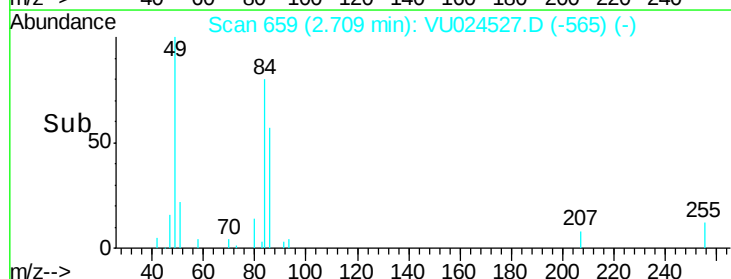
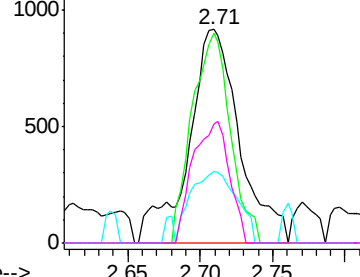


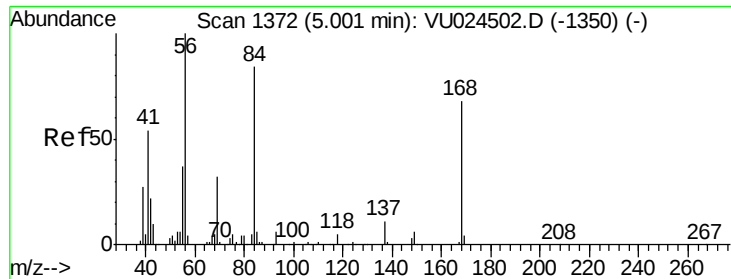
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

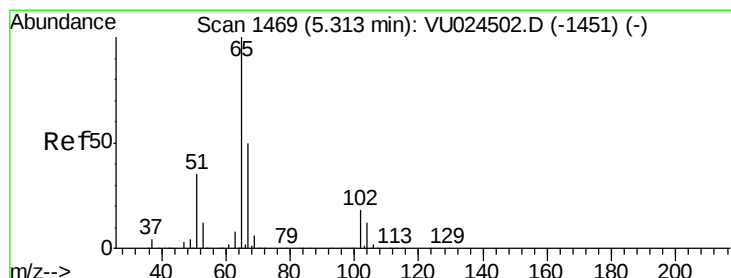
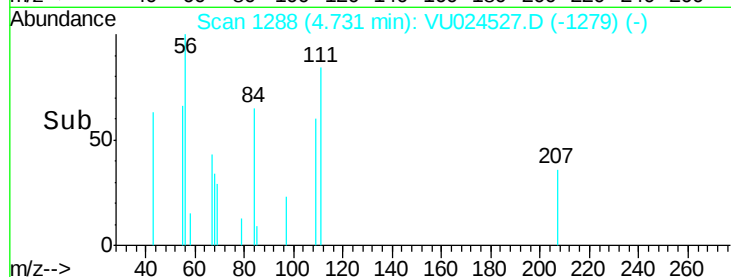
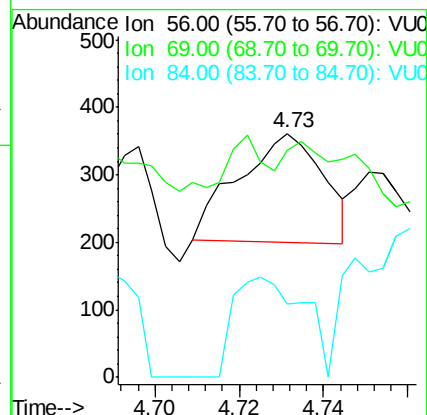
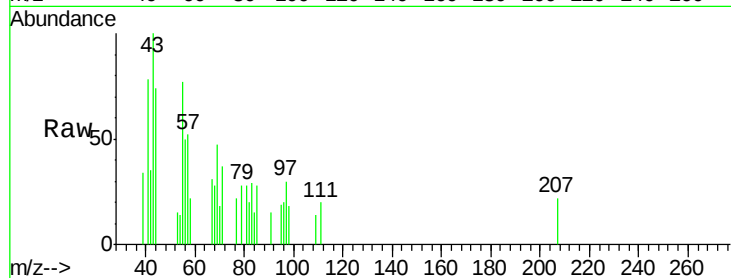




#31
Cyclohexane
Concen: Below Cal
RT: 4.73 min Scan# 1288
Delta R.T. -0.27 min
Lab File: VU024527.D
Acq: 13 Jun 2018 23:41

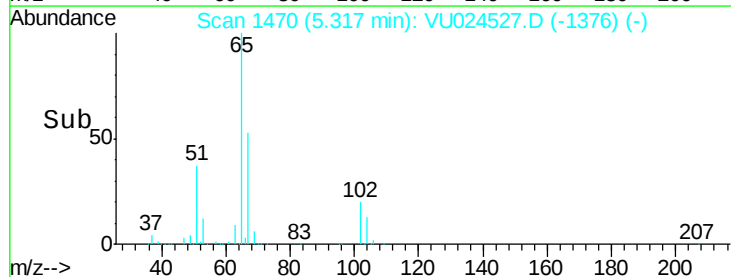
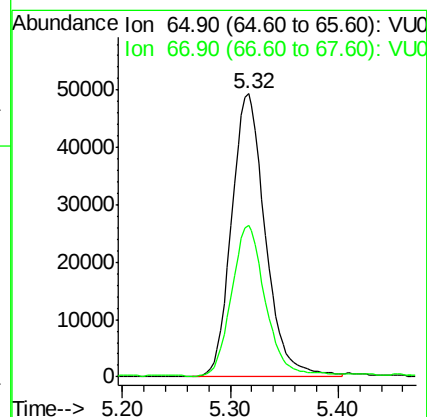
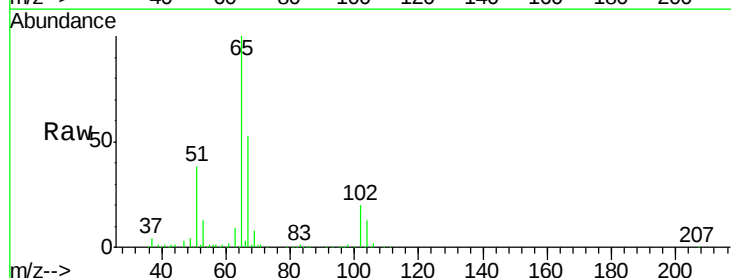
Instrument :
MSVOA_U
ClientSampleId :
VU0614WBL01

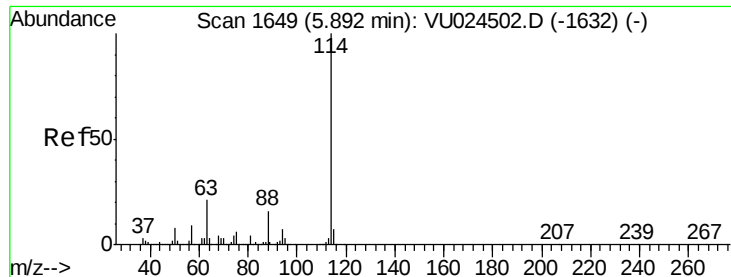
Tgt Ion: 56 Resp: 223
Ion Ratio Lower Upper
56 100
69 30.6 24.8 37.2
84 68.8 65.2 97.8



#33
1,2-Dichloroethane-d4
Concen: 40.15 ug/l
RT: 5.32 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VU024527.D
Acq: 13 Jun 2018 23:41

Tgt Ion: 65 Resp: 107856
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.0

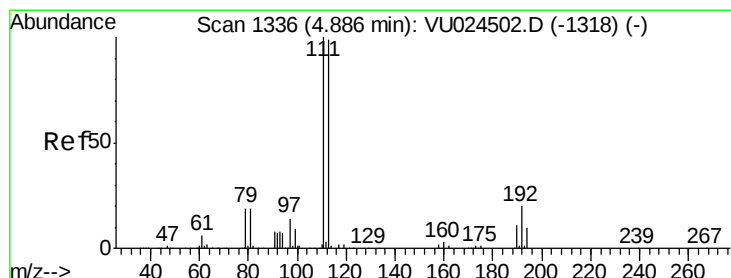
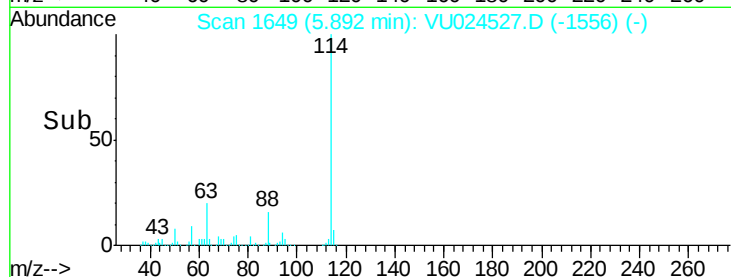
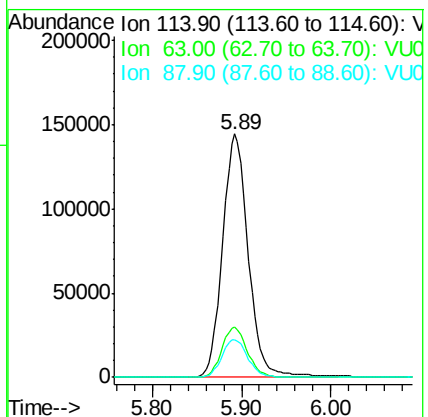
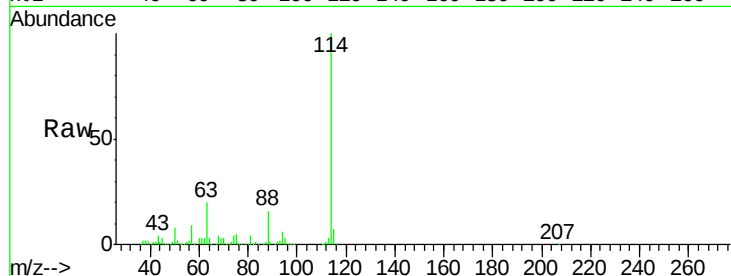




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024527.D
 Acq: 13 Jun 2018 23:41

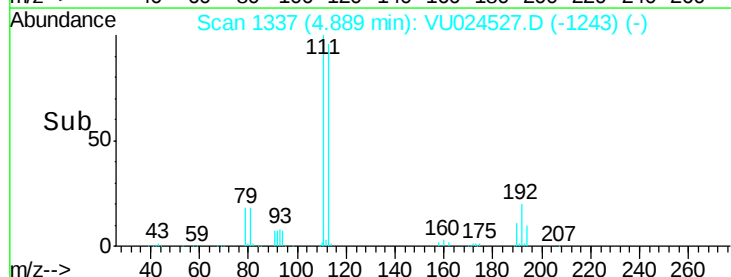
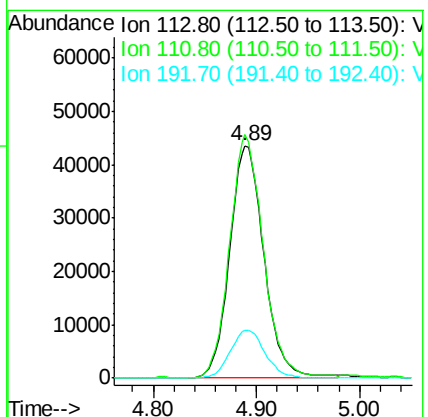
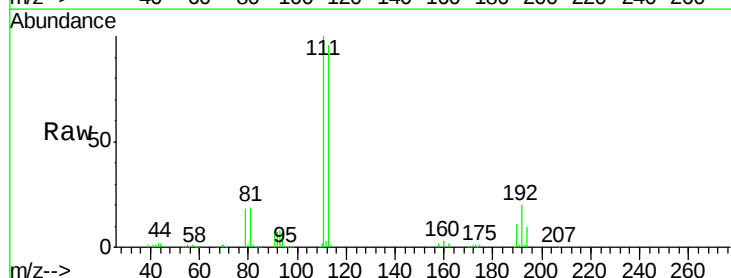
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0614WBL01

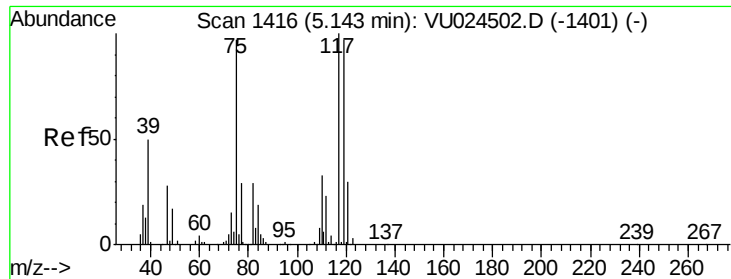
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	45.4
88	15.6	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 42.09 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024527.D
 Acq: 13 Jun 2018 23:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	21.0	16.2	24.4

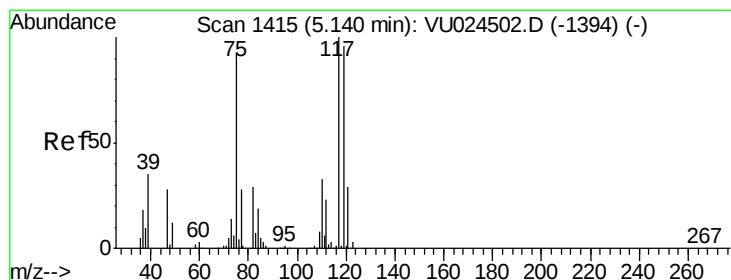
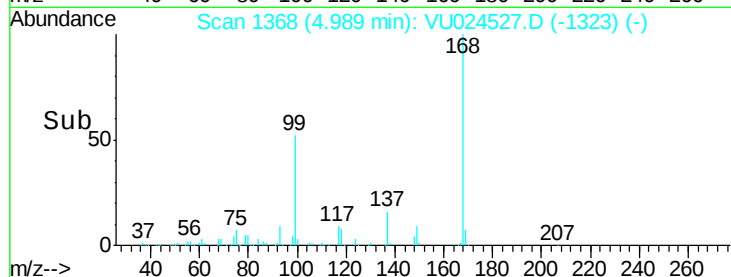
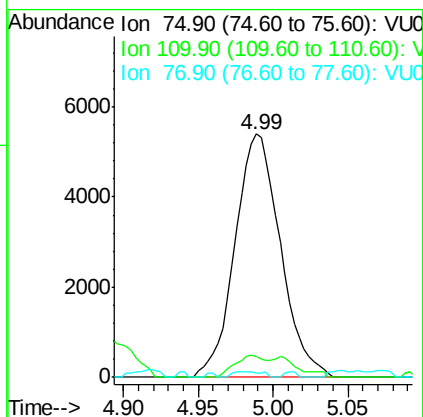
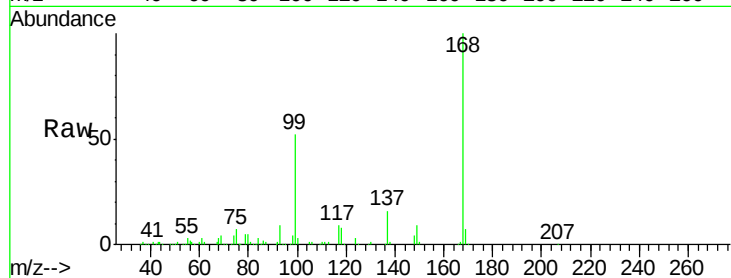




#36
 1,1-Dichloropropene
 Concen: 3.37 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024527.D
 Acq: 13 Jun 2018 23:41

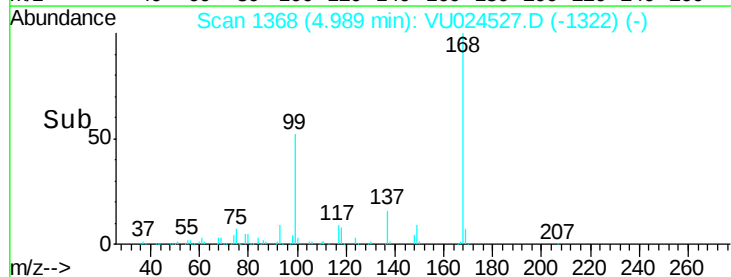
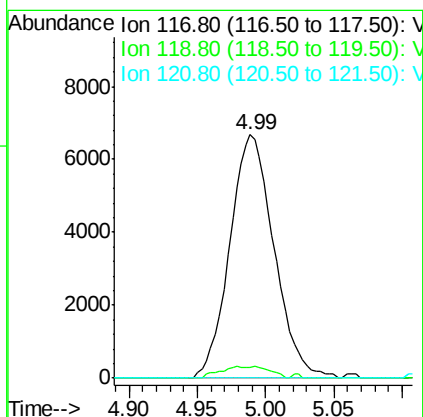
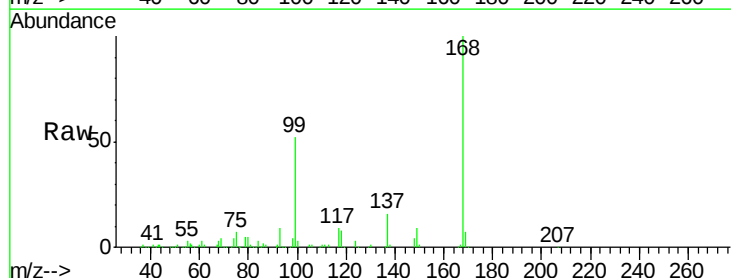
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0614WBL01

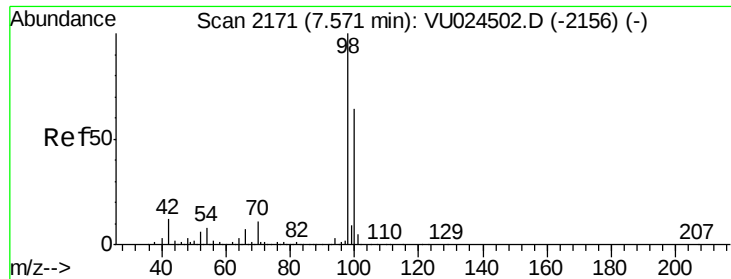
Tgt Ion: 75 Resp: 11402
 Ion Ratio Lower Upper
 75 100
 110 5.8 17.0 50.9#
 77 1.6 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 4.03 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024527.D
 Acq: 13 Jun 2018 23:41

Tgt Ion: 117 Resp: 15022
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.1 114.1#
 121 0.0 23.7 35.5#

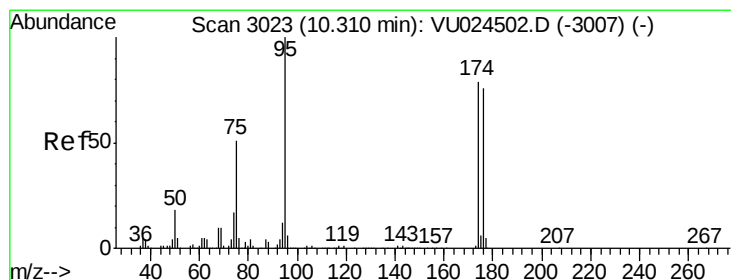
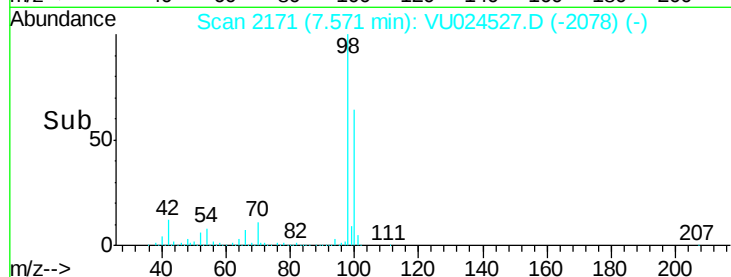
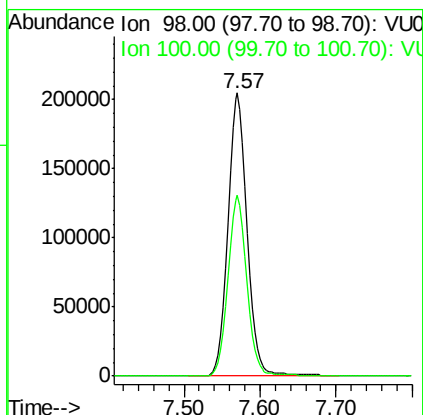
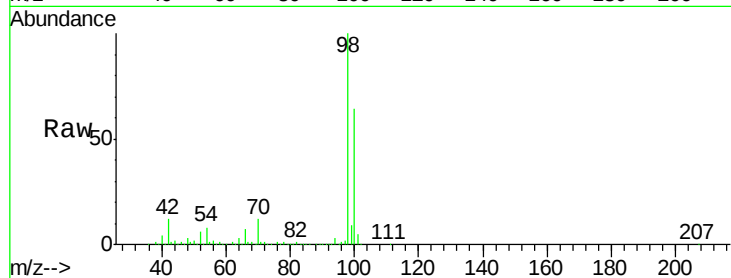




#50
Toluene-d8
Concen: 41.25 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024527.D
Acq: 13 Jun 2018 23:41

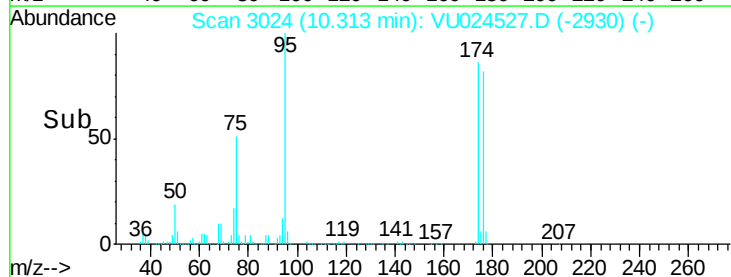
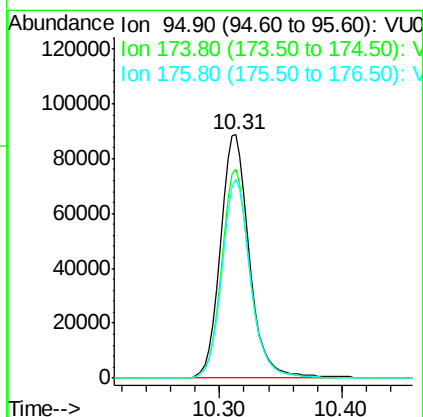
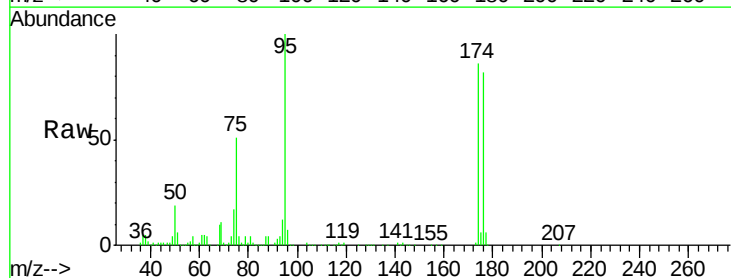
Instrument :
MSVOA_U
ClientSampleId :
VU0614WBL01

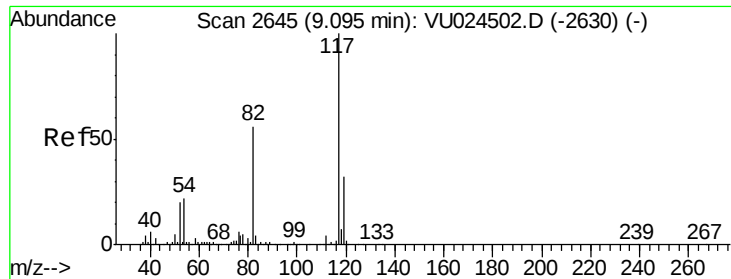
Tgt Ion: 98 Resp: 360095
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 42.31 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU024527.D
Acq: 13 Jun 2018 23:41

Tgt Ion: 95 Resp: 146643
Ion Ratio Lower Upper
95 100
174 84.9 0.0 165.8
176 81.3 0.0 159.4

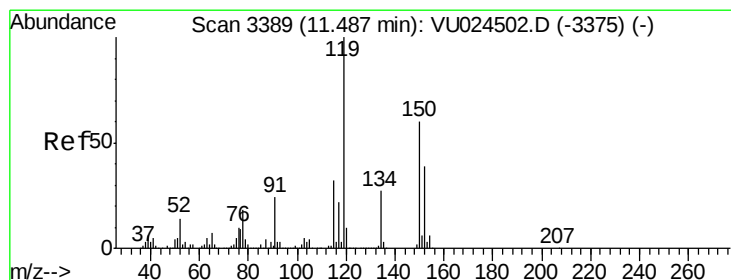
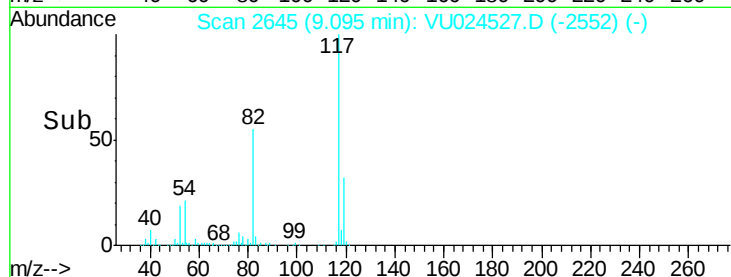
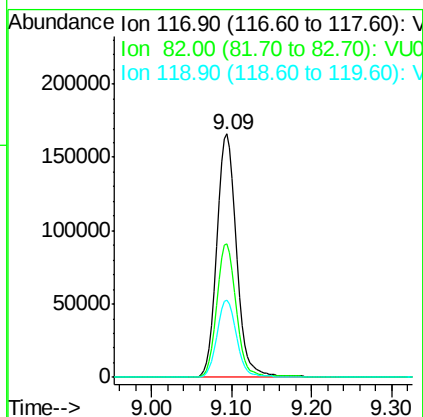
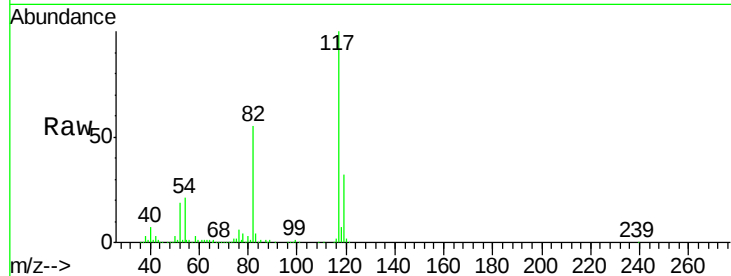




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024527.D
Acq: 13 Jun 2018 23:41

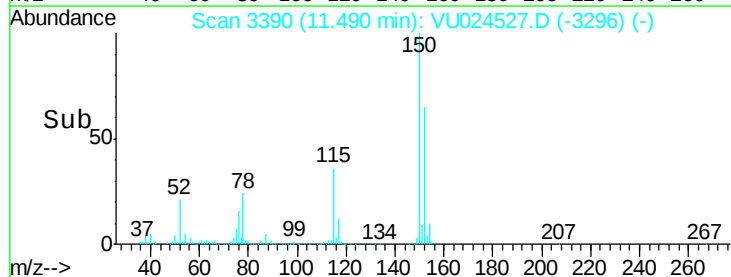
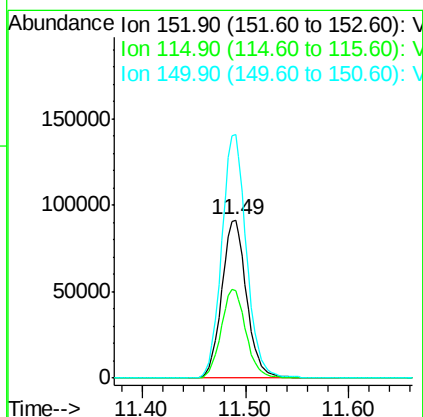
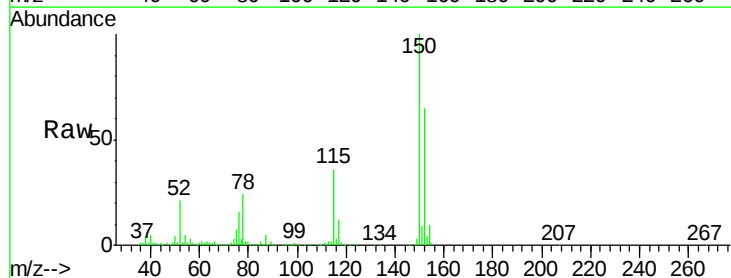
Instrument :
MSVOA_U
ClientSampleId :
VU0614WBL01

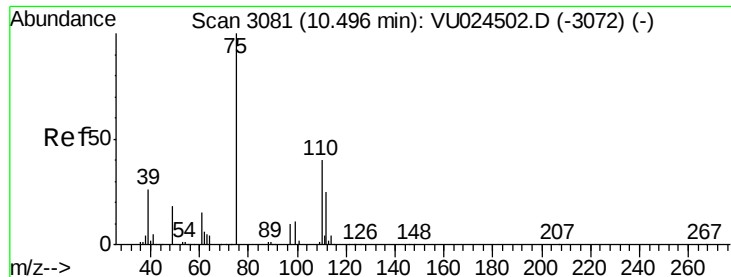
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.3	66.5
119	31.8	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU024527.D
Acq: 13 Jun 2018 23:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	43.0	129.0
150	153.4	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 22.15 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024527.D

Acq: 13 Jun 2018 23:41

Instrument :

MSVOA_U

ClientSampleId :

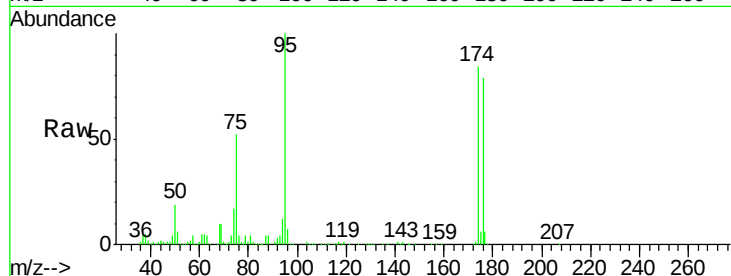
VU0614WBL01

Tgt Ion: 75 Resp: 74572

Ion Ratio Lower Upper

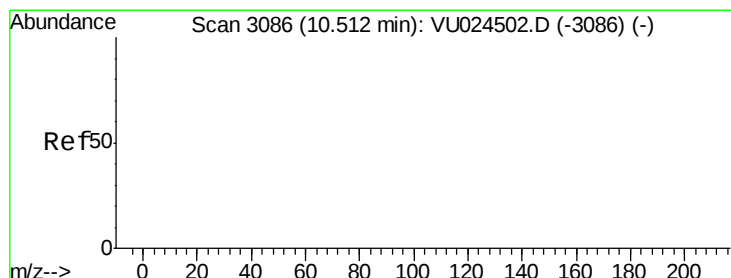
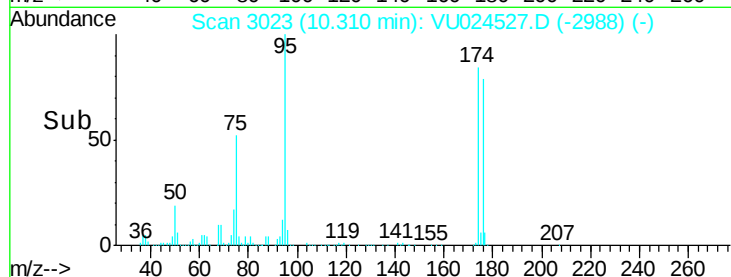
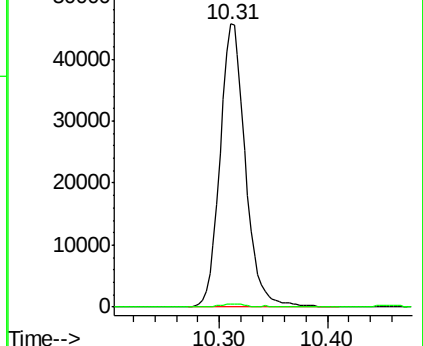
75 100

77 1.1 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: 51.27 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024527.D

Acq: 13 Jun 2018 23:41

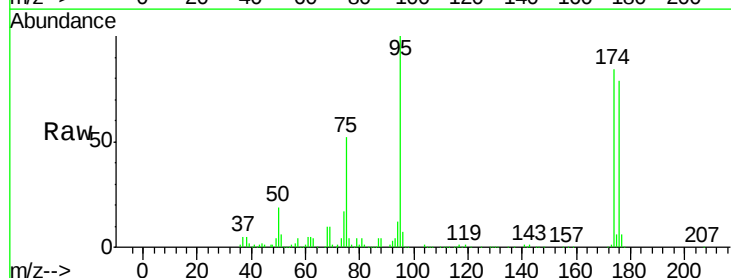
Tgt Ion: 75 Resp: 74572

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

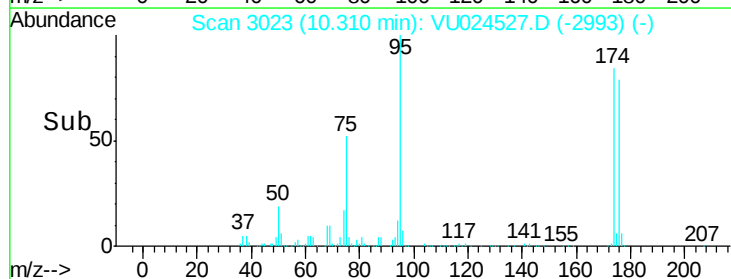
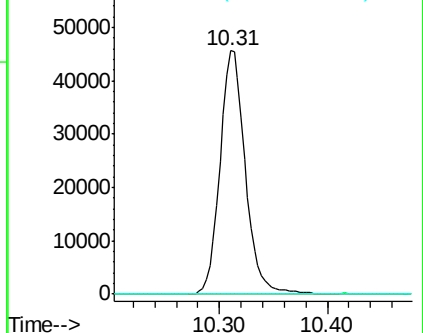
89 0.0 0.0 0.0

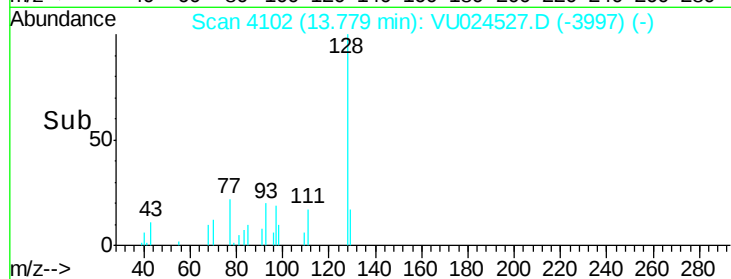
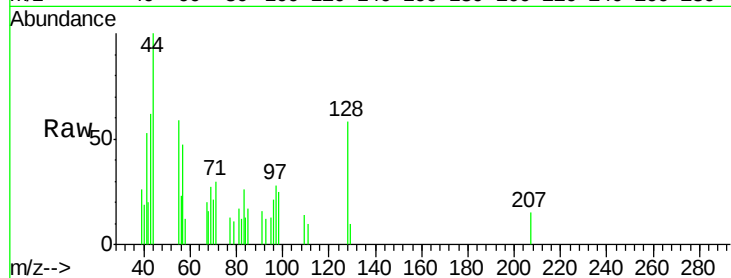
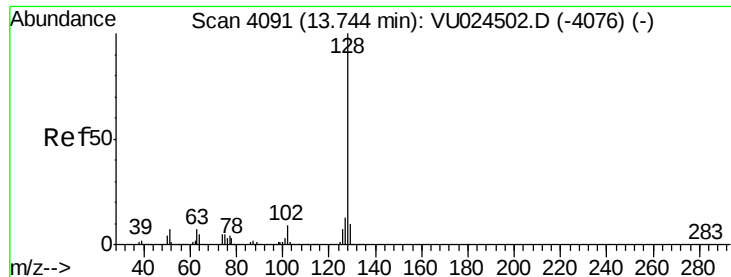


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 0.80 ug/l

RT: 13.78 min Scan# 4102

Delta R.T. 0.04 min

Lab File: VU024527.D

Acq: 13 Jun 2018 23:41

Instrument :

MSVOA_U

ClientSampleId :

VU0614WBL01

Tgt Ion:128 Resp: 1420

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 9.1 8.6 12.8

