

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025250.D
 Acq On : 06 Jul 2018 19:17
 Operator : MD/SY
 Sample : J3808-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 06 23:31:33 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	200888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	301605	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	282048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142672	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	155162	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
35) Dibromofluoromethane	4.89	113	118278	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	7.57	98	436926	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
62) 4-Bromofluorobenzene	10.31	95	158848	43.82	ug/l	0.00
Spiked Amount			Recovery	=	87.64%	

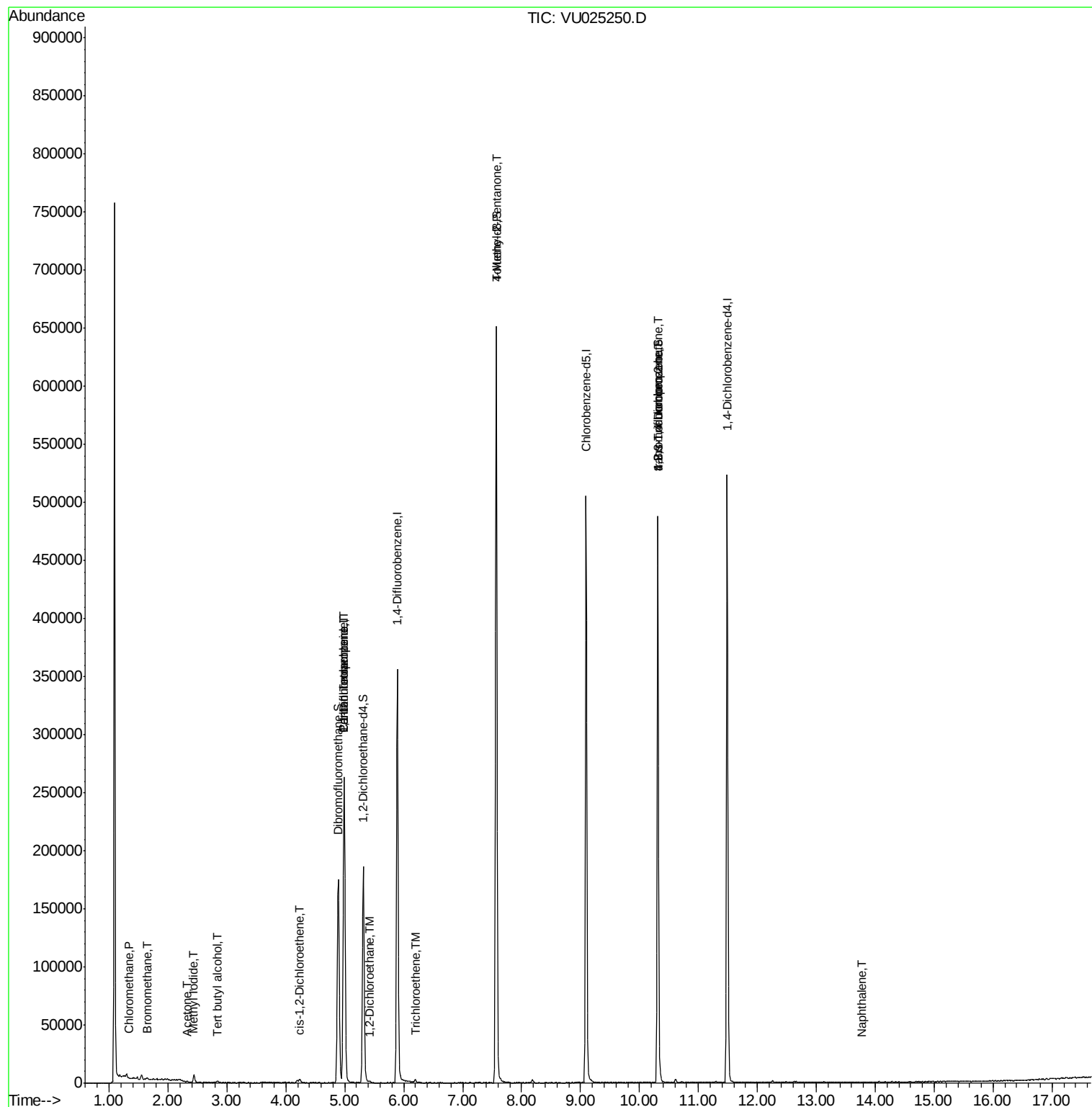
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	555	0.216	ug/l #	67
5) Bromomethane	1.64	94	408	0.319	ug/l	97
6) Chloroethane	1.69	64	19	Below Cal	#	43
10) Methyl Iodide	2.42	142	65	5.316	ug/l #	40
11) Tert butyl alcohol	2.84	59	713	0.894	ug/l #	72
16) Acetone	2.32	43	909	0.516	ug/l	94
27) cis-1,2-Dichloroethene	4.24	96	1627	0.562	ug/l	82
31) Cyclohexane	4.99	56	4076	Below Cal	#	4
36) 1,1-Dichloropropene	4.99	75	15658	4.418	ug/l #	50
38) Carbon Tetrachloride	4.99	117	20524	5.266	ug/l #	16
42) 1,2-Dichloroethane	5.42	62	854	0.222	ug/l #	77
44) Trichloroethene	6.19	130	762	0.265	ug/l	95
51) 4-Methyl-2-Pentanone	7.57	43	2024	0.482	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	82982	26.418	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	82982	61.142	ug/l #	100
95) Naphthalene	13.78	128	146	0.693	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070718\
Data File : VU025250.D
Acq On : 06 Jul 2018 19:17
Operator : MD/SY
Sample : J3808-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jul 06 23:31:33 2018
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# 1368

Delta R.T. 0.00 min

Lab File: VU025250.D

Acq: 06 Jul 2018 19:17

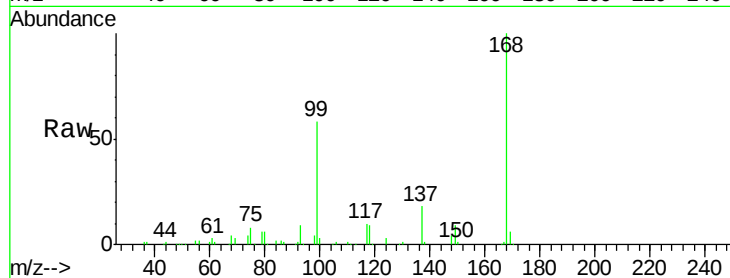
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 200888

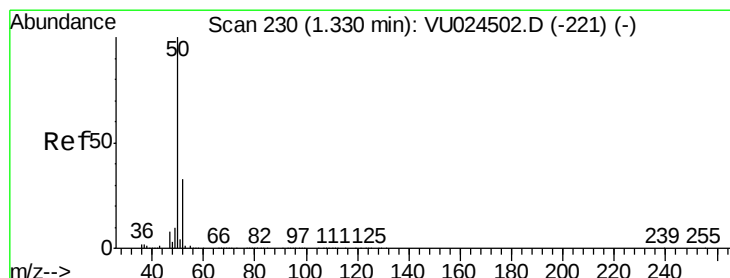
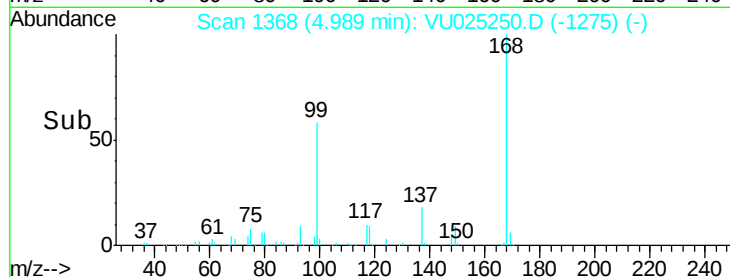
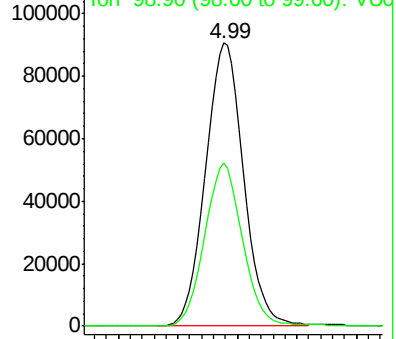
Ion Ratio Lower Upper

168 100

99 57.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025250.D (-1275) (-)



#3

Chloromethane

Concen: 0.216 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025250.D

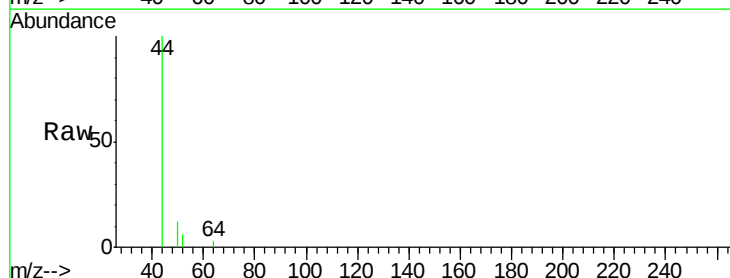
Acq: 06 Jul 2018 19:17

Tgt Ion: 50 Resp: 555

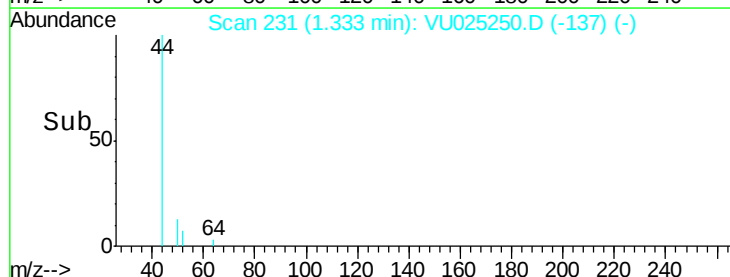
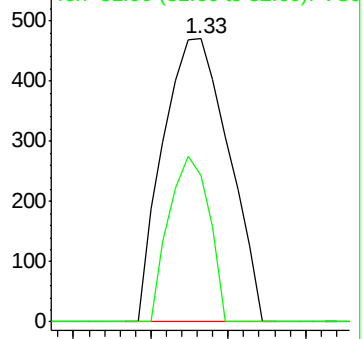
Ion Ratio Lower Upper

50 100

52 51.7 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU025250.D (-137) (-)





#5

Bromomethane

Concen: 0.319 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025250.D

Acq: 06 Jul 2018 19:17

Instrument :

MSVOA_U

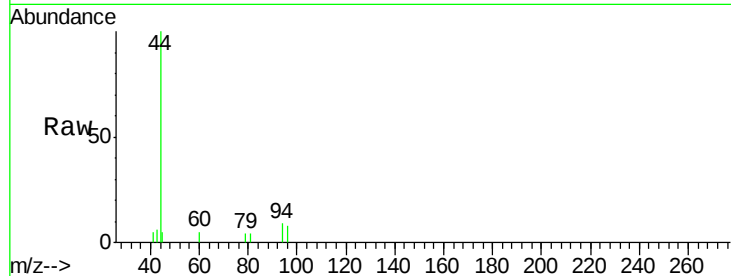
ClientSampleId :

Tot Ion: 94 Resp: 408

Ion Ratio Lower Upper

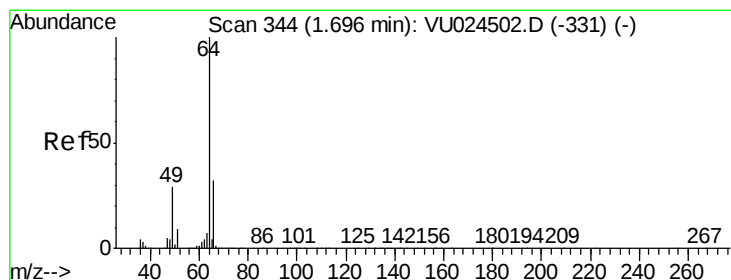
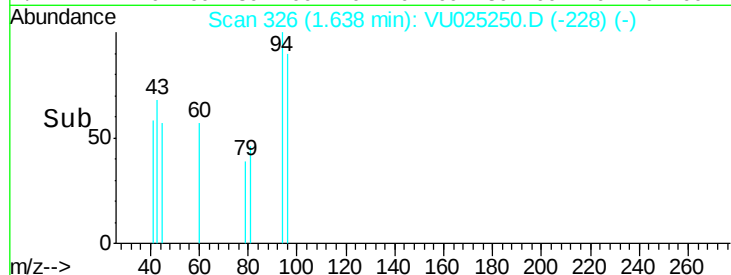
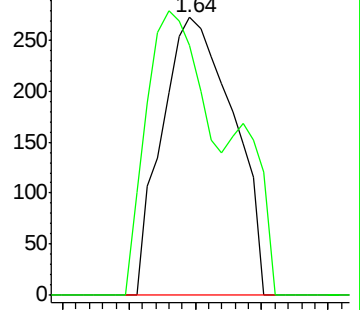
94 100

96 89.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU025250.D

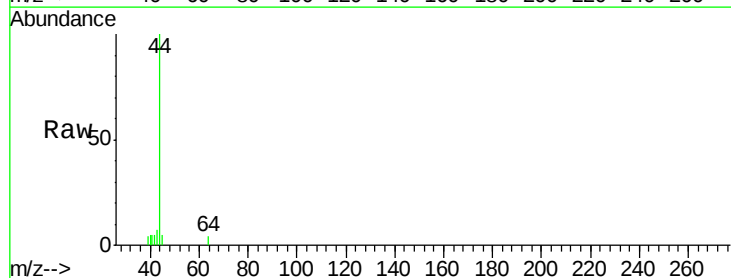
Acq: 06 Jul 2018 19:17

Tgt Ion: 64 Resp: 19

Ion Ratio Lower Upper

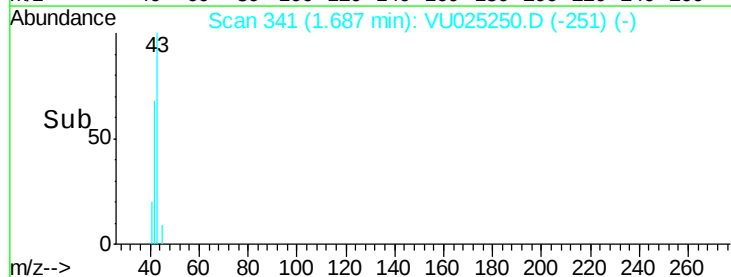
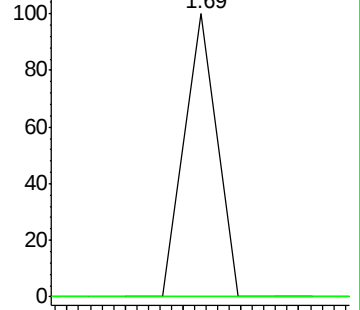
64 100

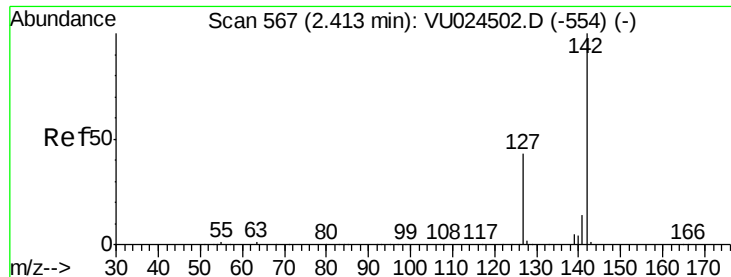
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

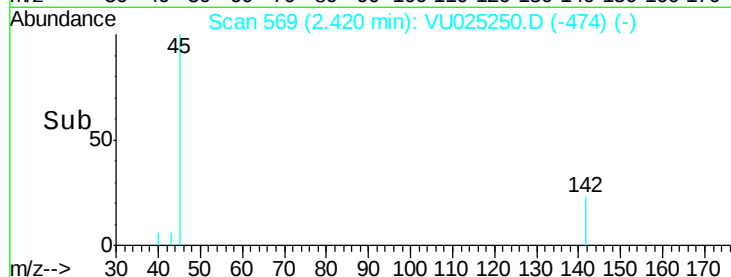
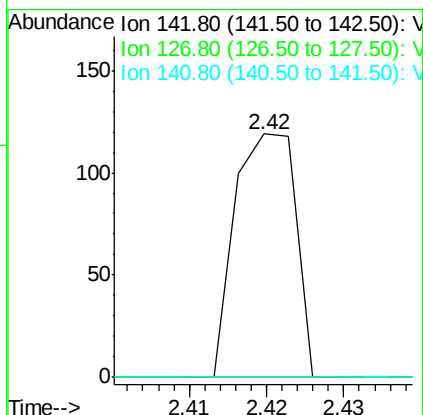
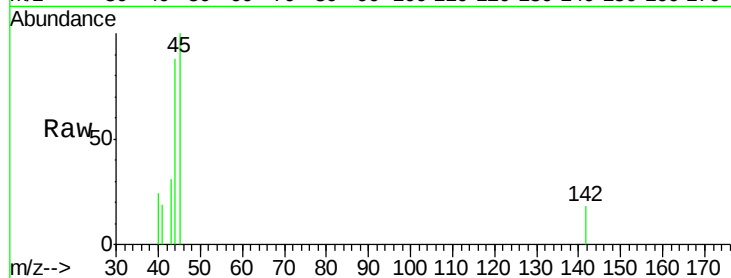




#10
Methvl Iodide
Concen: 5.316 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU025250.D
Acq: 06 Jul 2018 19:17

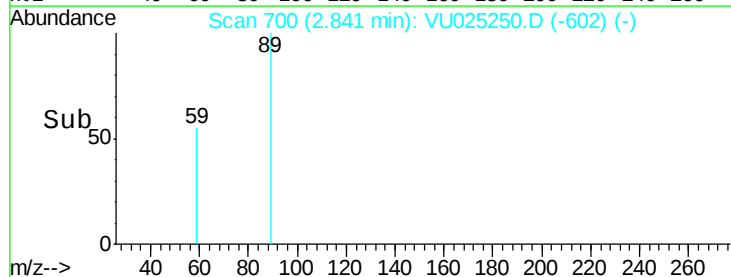
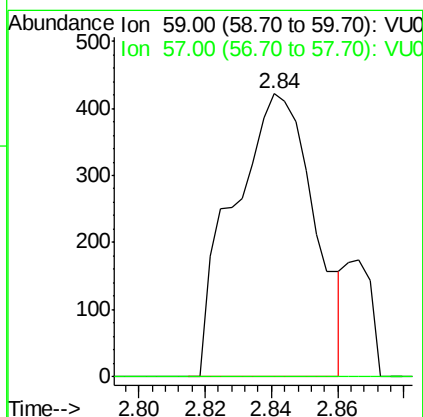
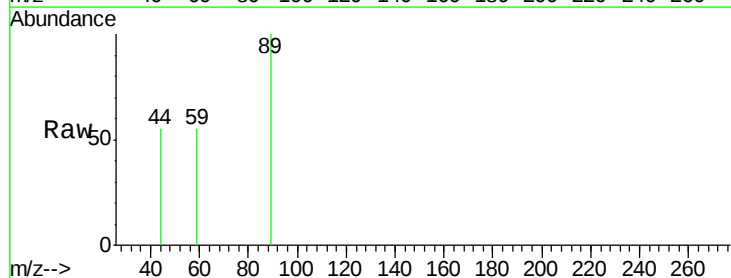
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:142 Resp: 65
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: 0.894 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU025250.D
Acq: 06 Jul 2018 19:17

Tgt Ion: 59 Resp: 713
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 0.516 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025250.D

Acq: 06 Jul 2018 19:17

Instrument :

MSVOA_U

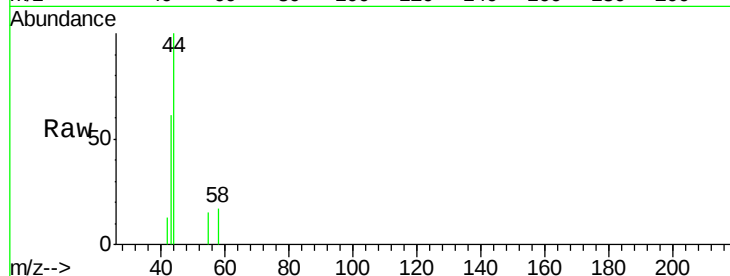
ClientSampled :

Tot Ion: 43 Resp: 909

Ion Ratio Lower Upper

43 100

58 27.4 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

500

400

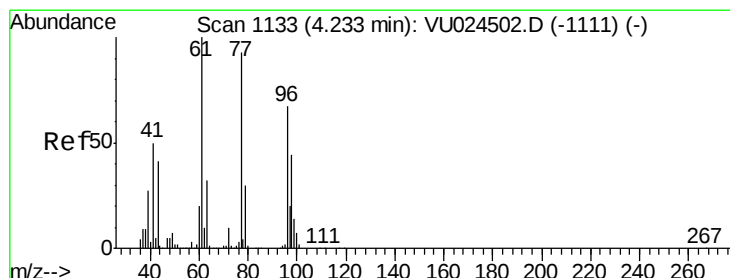
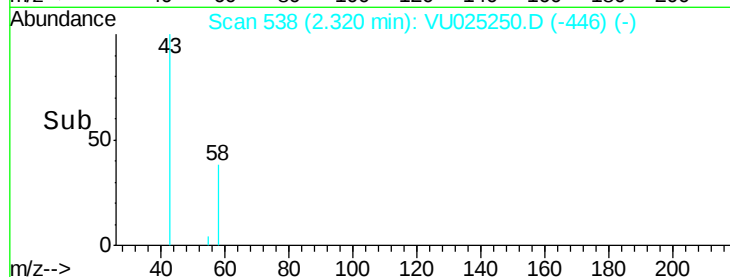
300

200

100

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.562 ug/l

RT: 4.24 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VU025250.D

Acq: 06 Jul 2018 19:17

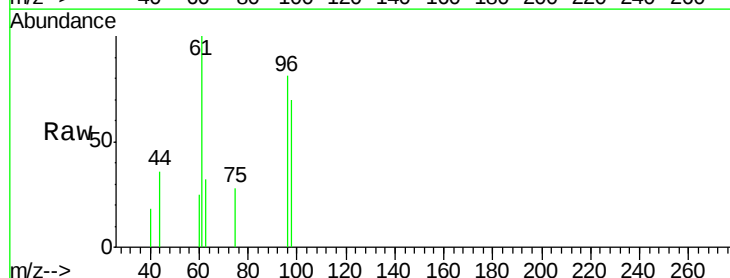
Tgt Ion: 96 Resp: 1627

Ion Ratio Lower Upper

96 100

61 128.4 0.0 306.6

98 75.1 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

1000

800

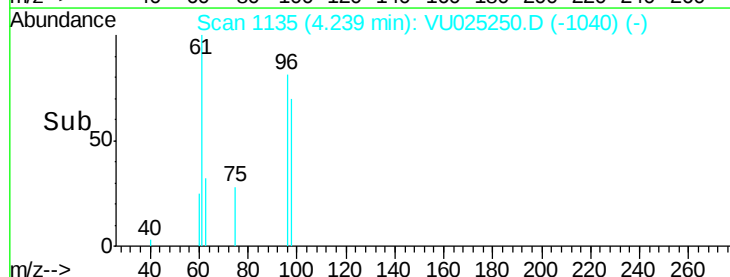
600

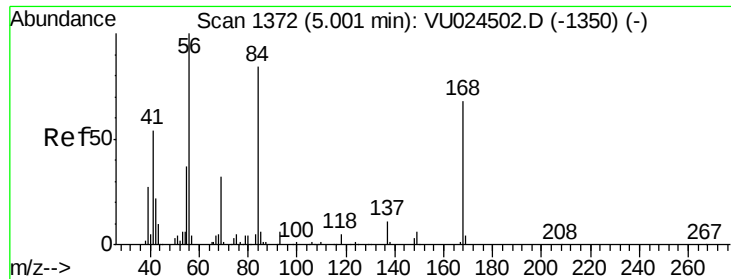
400

200

0

Time-->

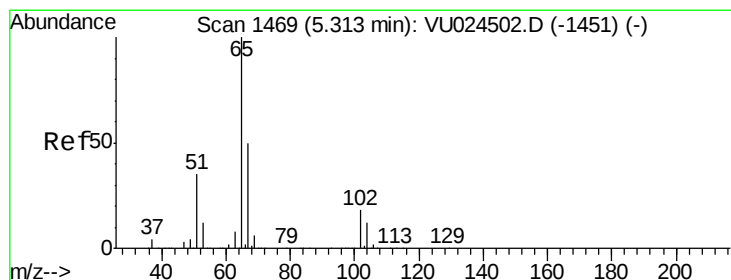
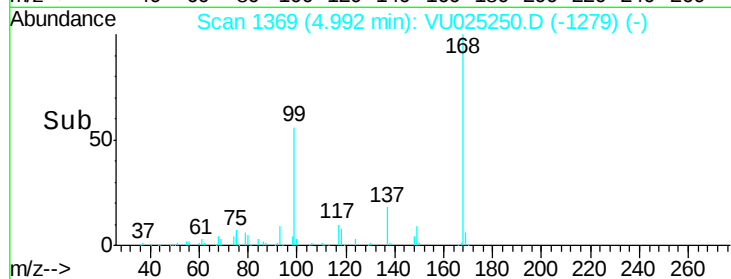
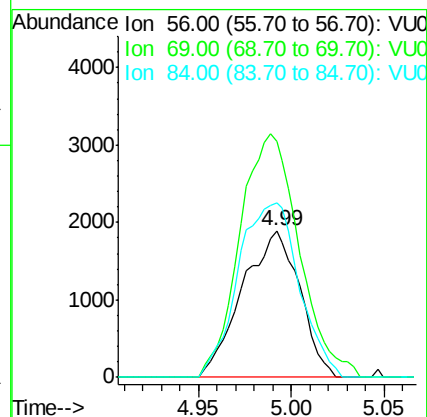
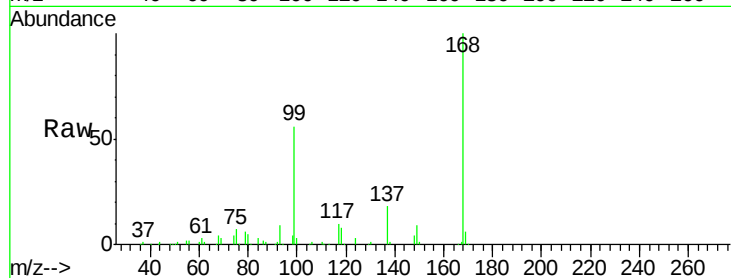




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU025250.D
Acq: 06 Jul 2018 19:17

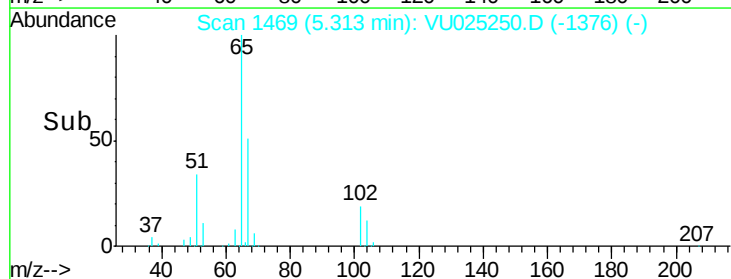
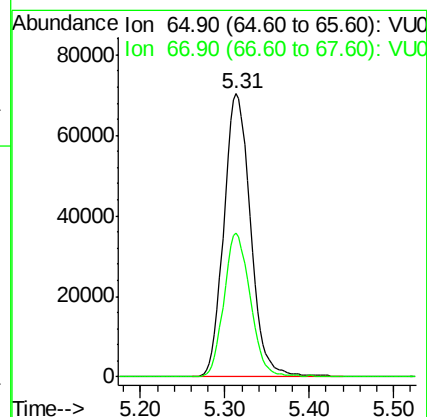
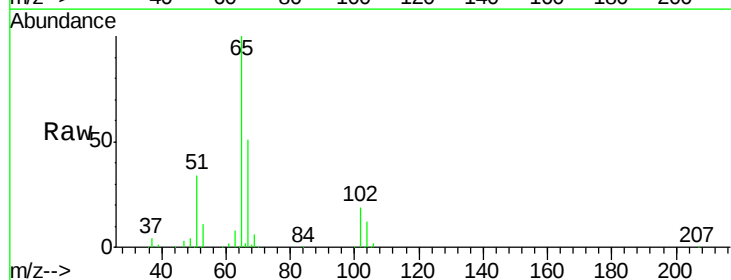
Instrument :
MSVOA_U
ClientSampled :

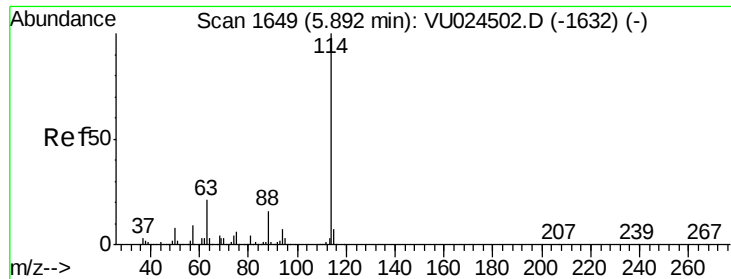
Tot Ion: 56 Resp: 4076
Ion Ratio Lower Upper
56 100
69 161.3 24.8 37.2#
84 118.9 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 47.312 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025250.D
Acq: 06 Jul 2018 19:17

Tgt Ion: 65 Resp: 155162
Ion Ratio Lower Upper
65 100
67 50.1 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: VU025250.D

Acq: 06 Jul 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

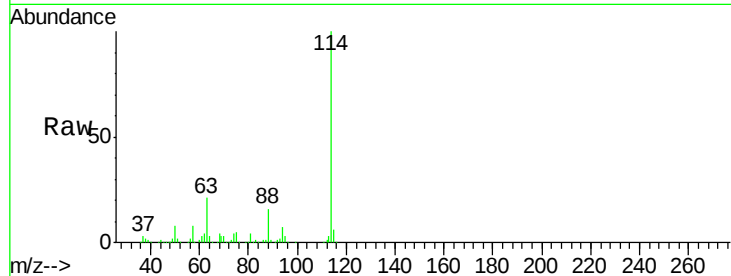
Tot Ion:114 Resp: 301605

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.4

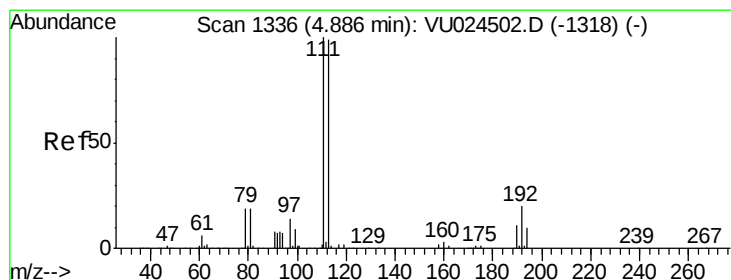
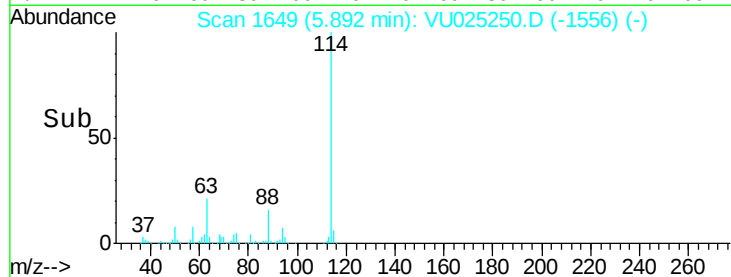
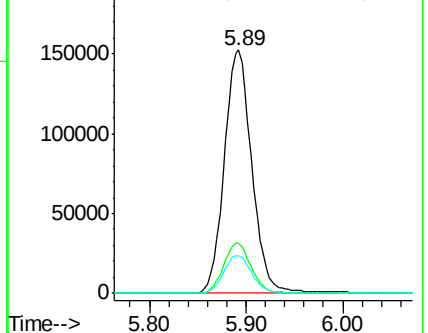
88 15.6 0.0 31.0



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: 47.253 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025250.D

Acq: 06 Jul 2018 19:17

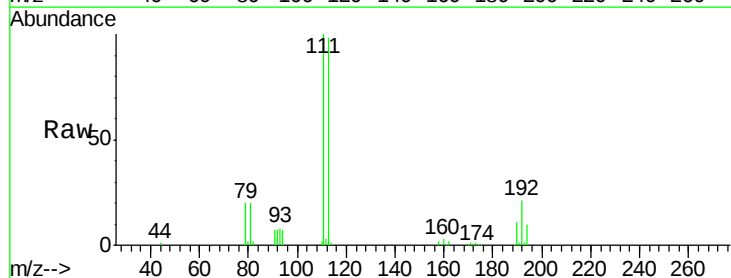
Tgt Ion:113 Resp: 118278

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

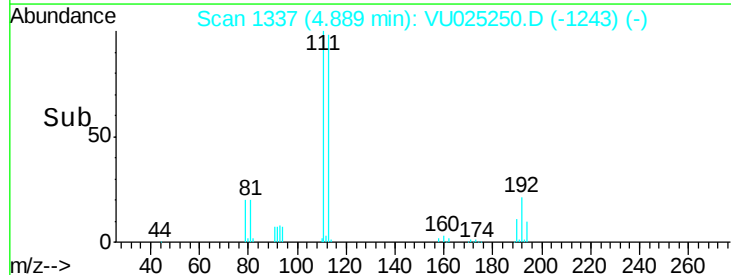
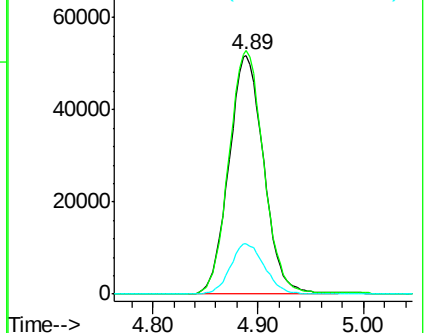
192 20.8 16.2 24.4

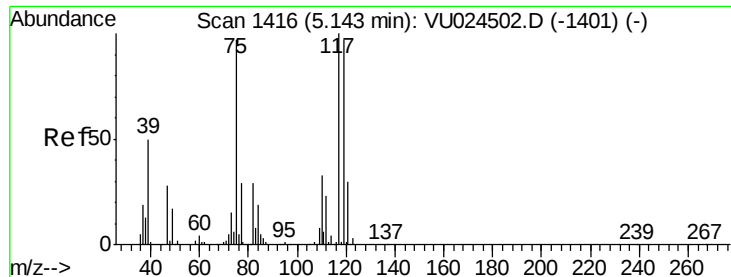


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.418 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU025250.D

Acq: 06 Jul 2018 19:17

Instrument :
MSVOA_U
ClientSampleId :

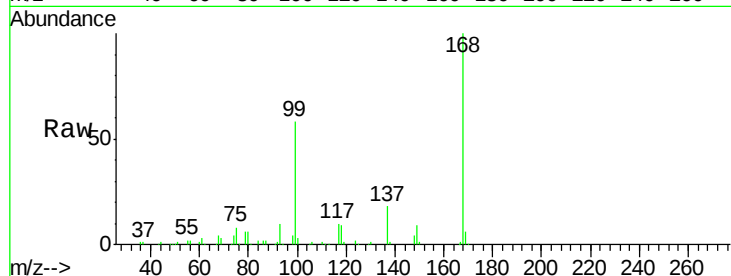
Tot Ion: 75 Resp: 15658

Ion Ratio Lower Upper

75 100

110 8.2 17.0 50.9#

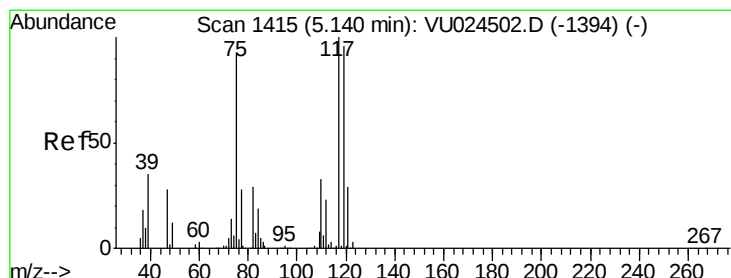
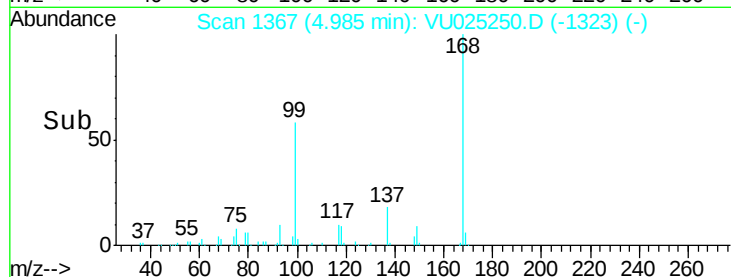
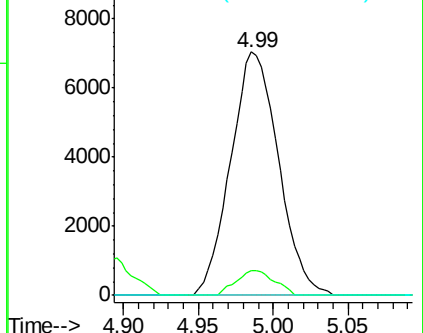
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU025250.D (-1367) (-)

Ion 109.90 (109.60 to 110.60): VU025250.D (-1367) (-)

Ion 76.90 (76.60 to 77.60): VU025250.D (-1367) (-)



#38

Carbon Tetrachloride

Concen: 5.266 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025250.D

Acq: 06 Jul 2018 19:17

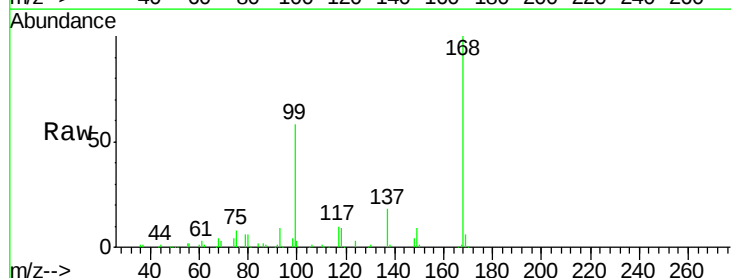
Tgt Ion: 117 Resp: 20524

Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

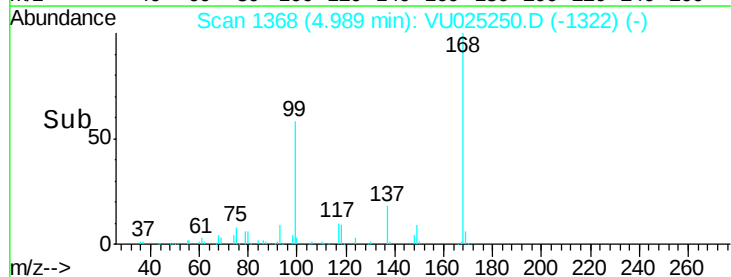
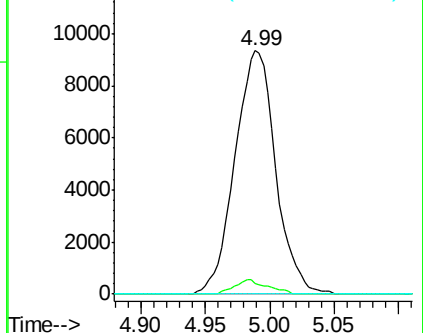
121 0.0 23.7 35.5#

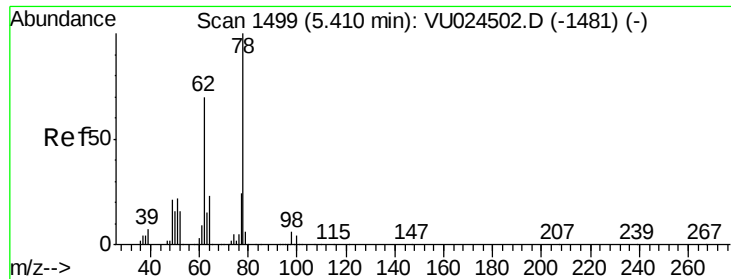


Abundance Ion 116.80 (116.50 to 117.50): VU025250.D (-1368) (-)

Ion 118.80 (118.50 to 119.50): VU025250.D (-1368) (-)

Ion 120.80 (120.50 to 121.50): VU025250.D (-1368) (-)





#42

1,2-Dichloroethane

Concen: 0.222 ug/l

RT: 5.42 min Scan# 1502

Delta R.T. 0.01 min

Lab File: VU025250.D

Acq: 06 Jul 2018 19:17

Instrument :

MSVOA_U

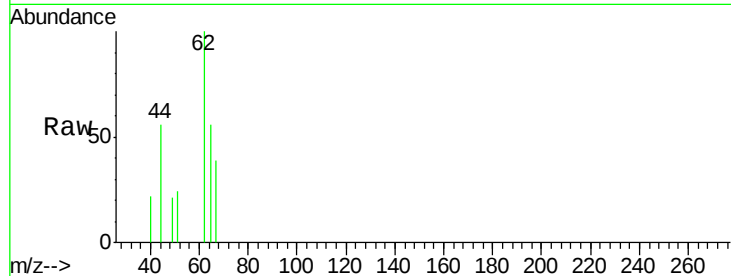
ClientSampled :

Tot Ion: 62 Resp: 854

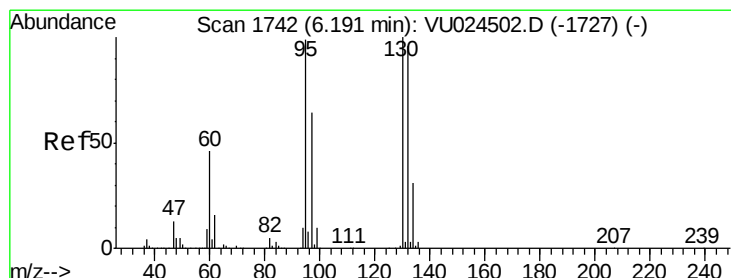
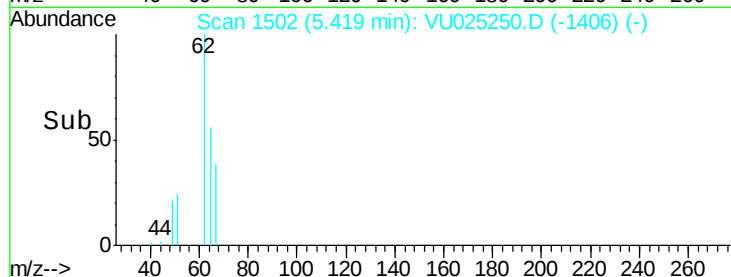
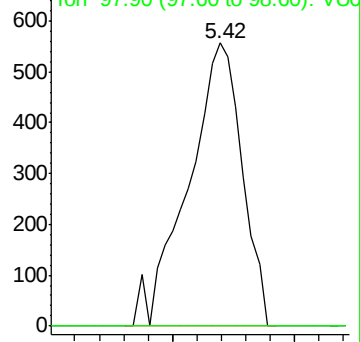
Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-1481) (-)



#44

Trichloroethene

Concen: 0.265 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU025250.D

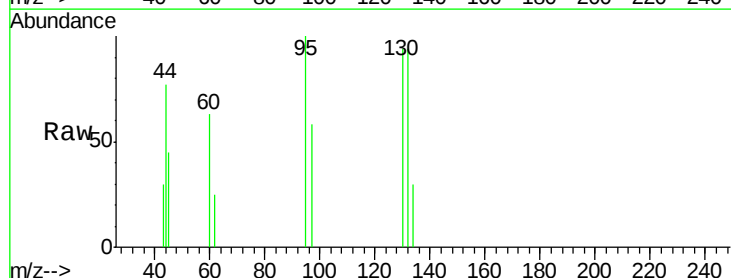
Acq: 06 Jul 2018 19:17

Tgt Ion: 130 Resp: 762

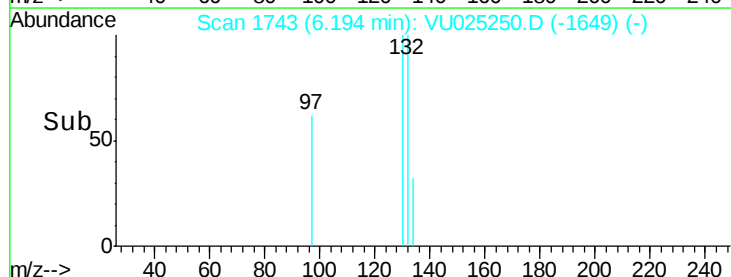
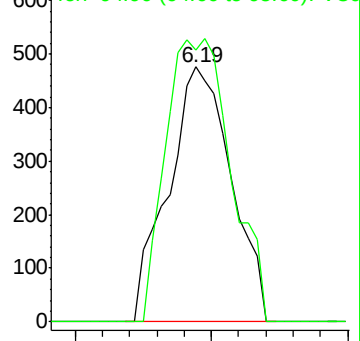
Ion Ratio Lower Upper

130 100

95 106.5 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)





#50

Toluene-d8

Concen: 47.855 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025250.D

Acq: 06 Jul 2018 19:17

Instrument :

MSVOA_U

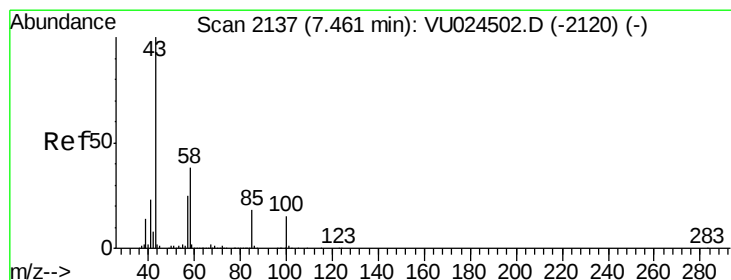
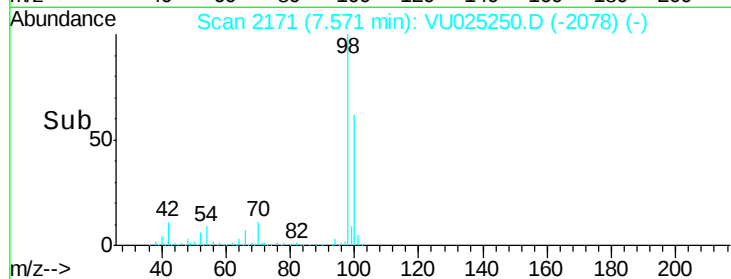
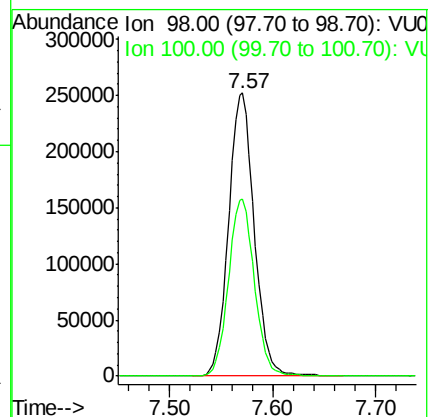
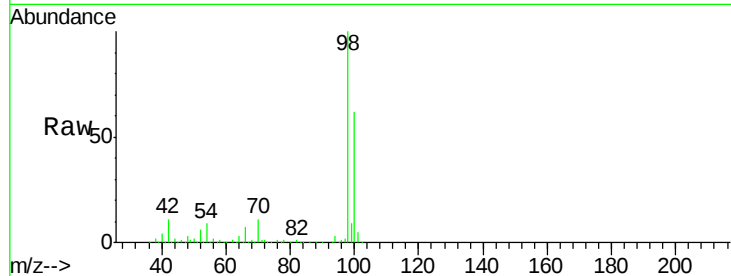
ClientSampled :

Tot Ion: 98 Resp: 436926

Ion Ratio Lower Upper

98 100

100 63.3 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.482 ug/l

RT: 7.57 min Scan# 2172

Delta R.T. 0.11 min

Lab File: VU025250.D

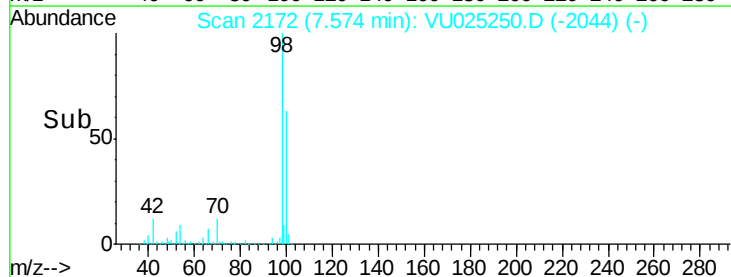
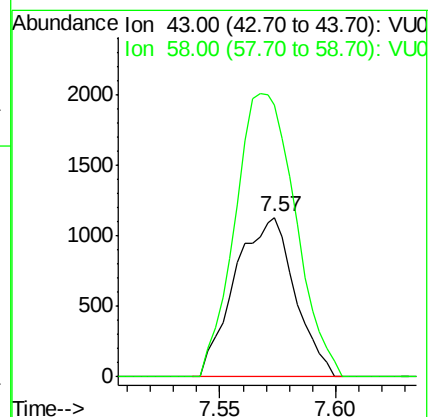
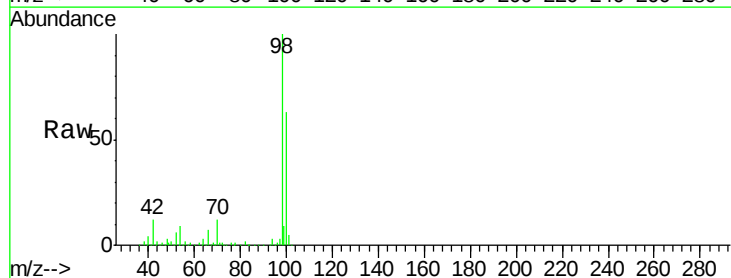
Acq: 06 Jul 2018 19:17

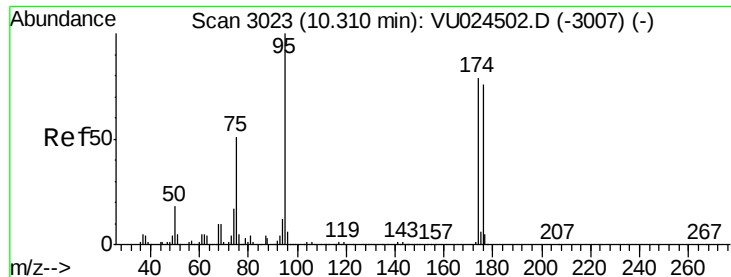
Tgt Ion: 43 Resp: 2024

Ion Ratio Lower Upper

43 100

58 178.8 30.0 45.0#





#62

4-Bromofluorobenzene

Concen: 43.819 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025250.D

Acq: 06 Jul 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

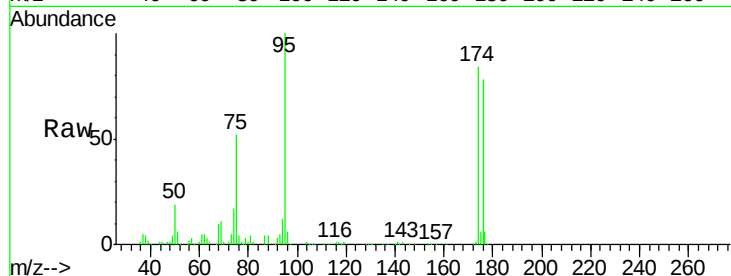
Tot Ion: 95 Resp: 158848

Ion Ratio Lower Upper

95 100

174 86.2 0.0 165.8

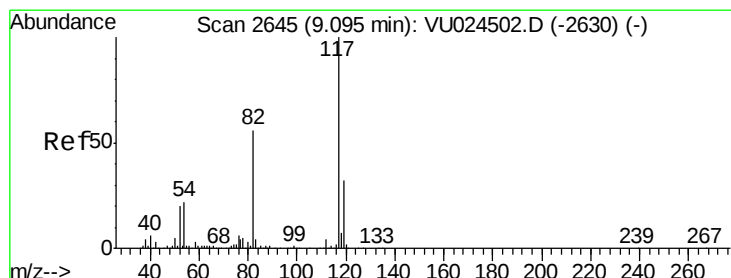
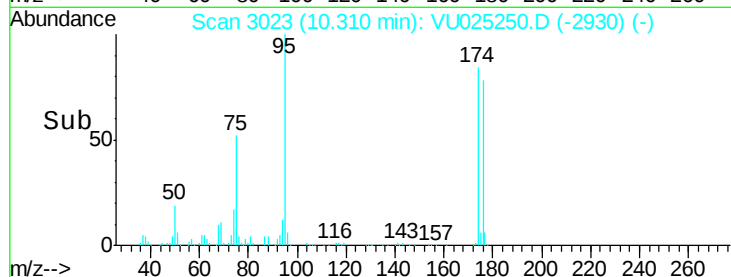
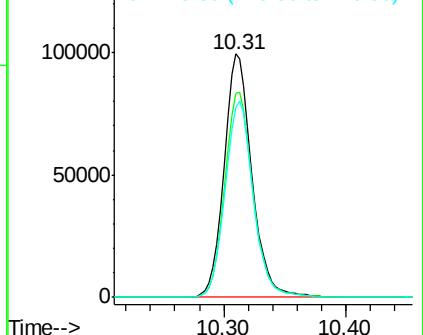
176 82.2 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU025250.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025250.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025250.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025250.D

Acq: 06 Jul 2018 19:17

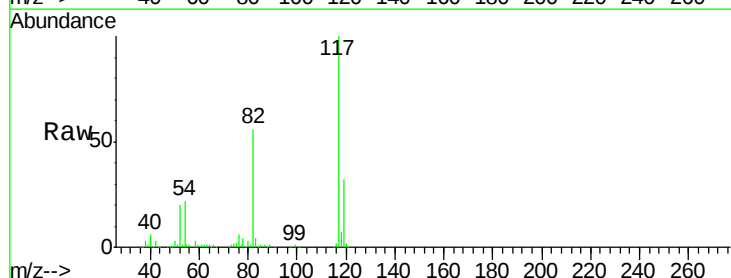
Tgt Ion: 117 Resp: 282048

Ion Ratio Lower Upper

117 100

82 56.0 44.3 66.5

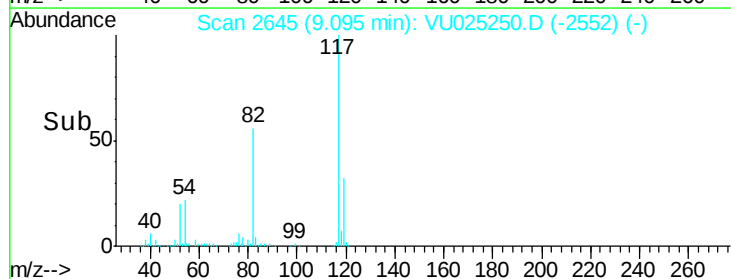
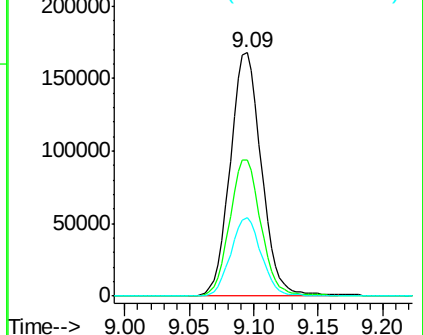
119 32.1 25.4 38.2

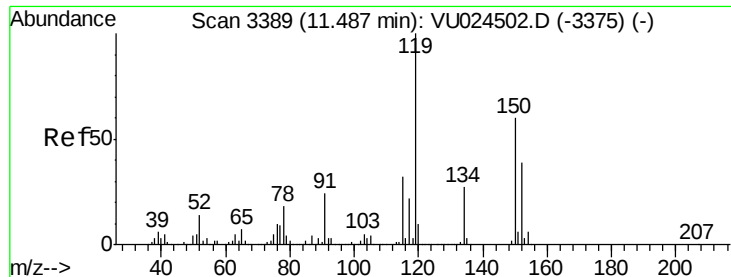


Abundance Ion 116.90 (116.60 to 117.60): VU025250.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU025250.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU025250.D (-2552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025250.D

Acq: 06 Jul 2018 19:17

Instrument :

MSVOA_U

ClientSampleId :

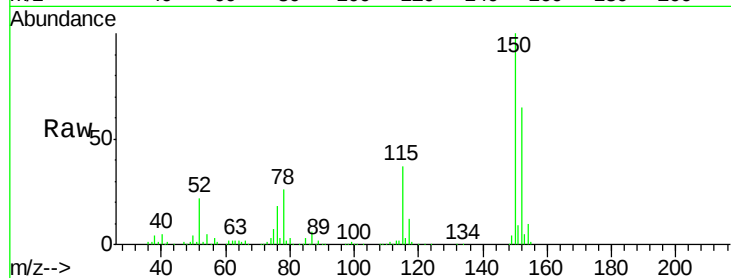
Tot Ion:152 Resp: 142672

Ion Ratio Lower Upper

152 100

115 57.0 43.0 129.0

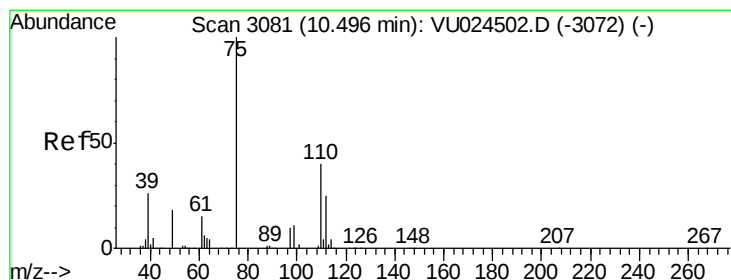
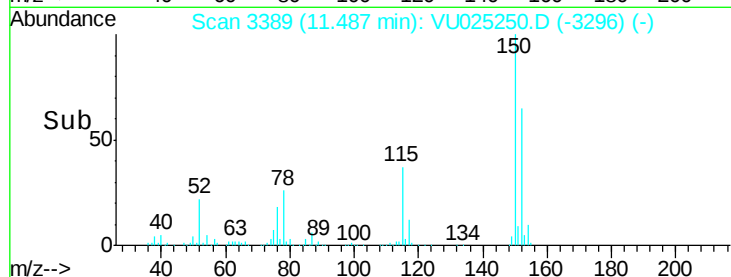
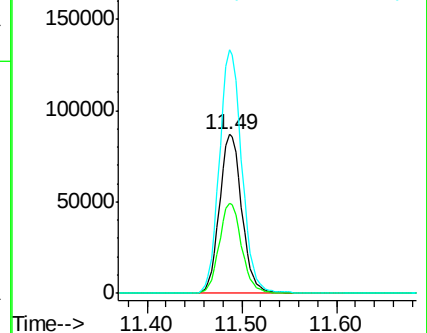
150 154.1 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.418 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025250.D

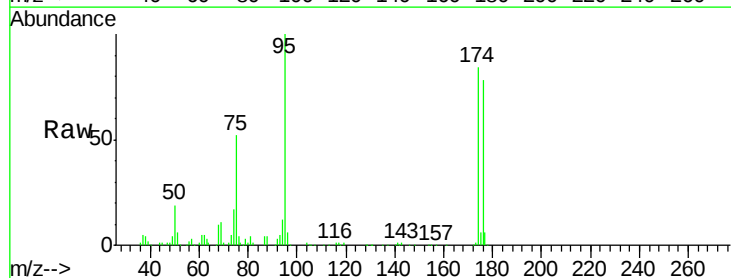
Acq: 06 Jul 2018 19:17

Tgt Ion: 75 Resp: 82982

Ion Ratio Lower Upper

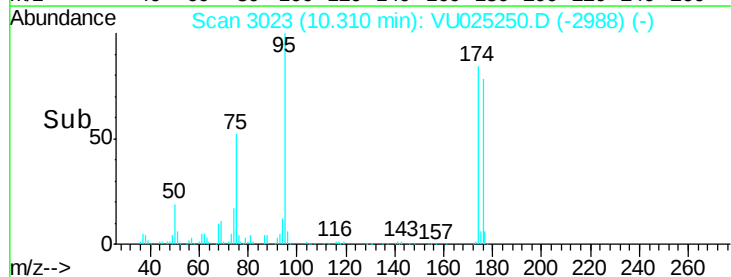
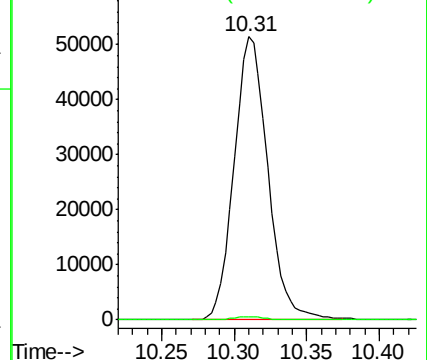
75 100

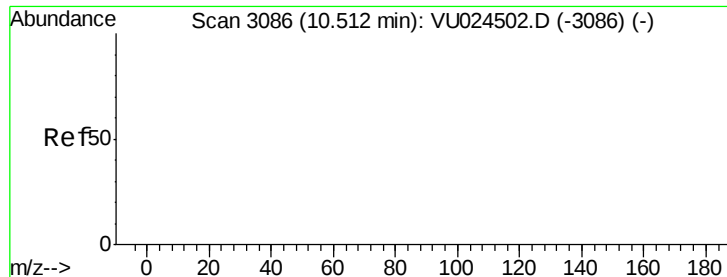
77 1.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

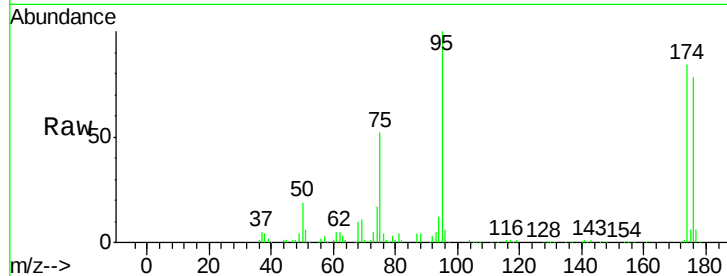




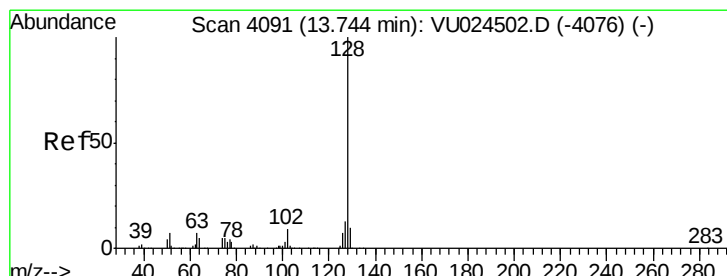
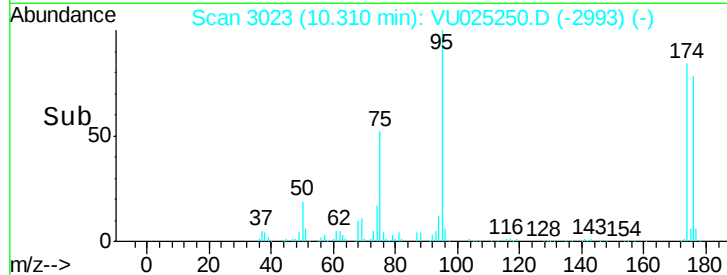
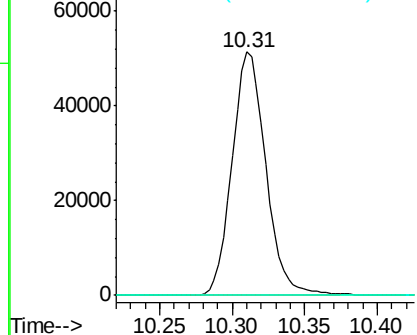
#81
trans-1,4-Dichloro-2-butene
Concen: 61.142 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU025250.D
Acq: 06 Jul 2018 19:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 82982
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

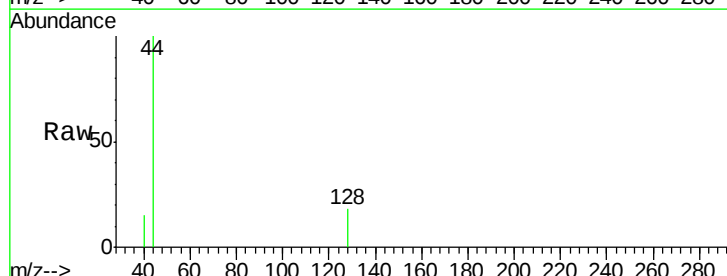


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#95
Naphthalene
Concen: 0.693 ug/l
RT: 13.78 min Scan# 4102
Delta R.T. 0.04 min
Lab File: VU025250.D
Acq: 06 Jul 2018 19:17

Tgt Ion:128 Resp: 146
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

