

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025134.D
 Acq On : 02 Jul 2018 11:12
 Operator : MD/SY
 Sample : VU0702WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBL01

Quant Time: Jul 03 02:57:05 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	218943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	329172	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	305152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159352	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	166720	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
35) Dibromofluoromethane	4.89	113	133037	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	7.57	98	481302	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	10.31	95	176040	44.49	ug/l	0.00
Spiked Amount			Recovery	=	88.98%	

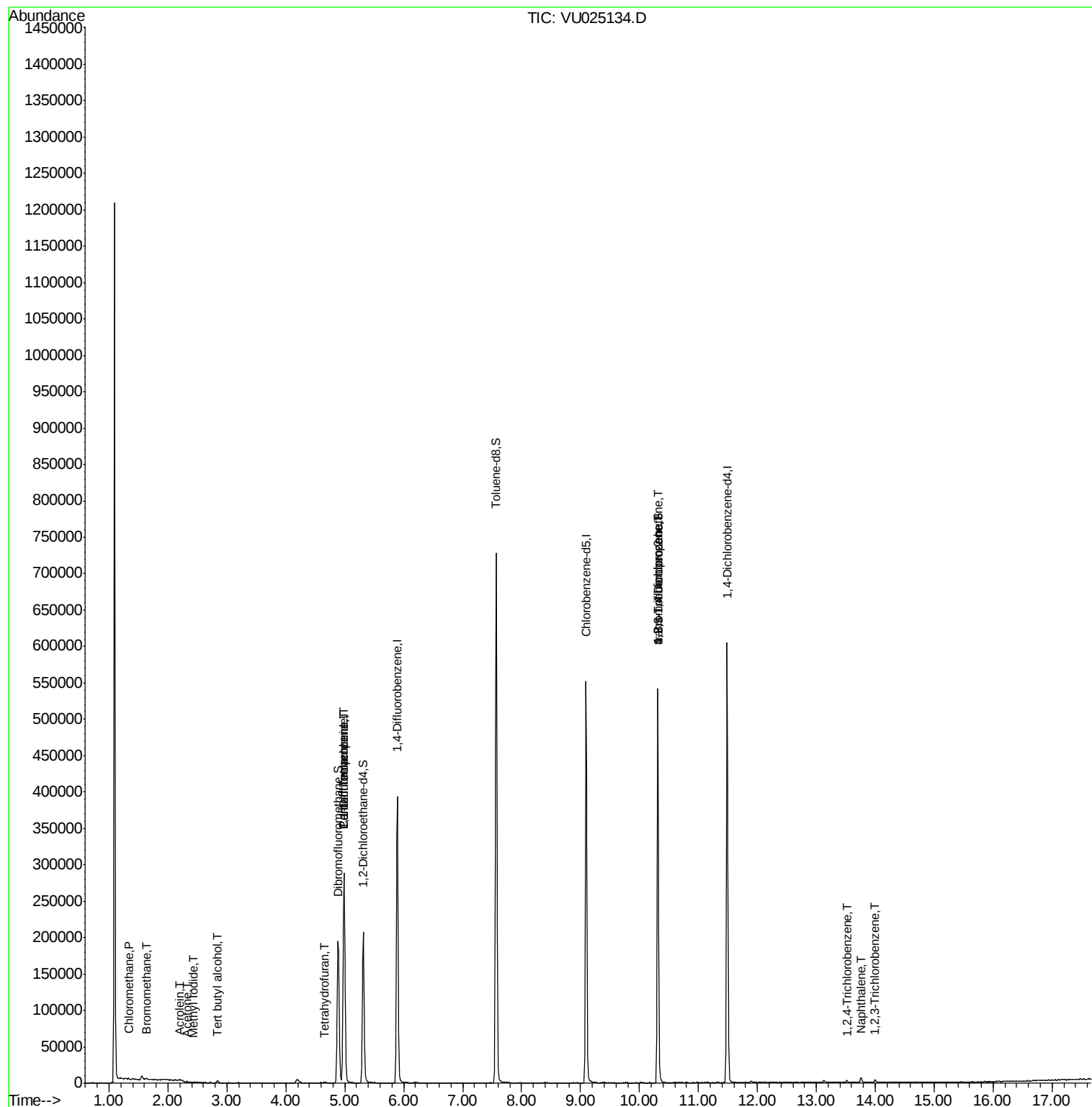
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1485	0.530	ug/l #	71
5) Bromomethane	1.63	94	675	0.484	ug/l	93
6) Chloroethane	1.67	64	69	Below Cal	#	43
10) Methyl Iodide	2.43	142	371	5.432	ug/l #	40
11) Tert butyl alcohol	2.84	59	1714	1.972	ug/l #	75
13) Acrolein	2.20	56	239	0.524	ug/l #	77
16) Acetone	2.32	43	1111	0.579	ug/l	94
29) Tetrahydrofuran	4.65	42	372	0.233	ug/l #	47
31) Cyclohexane	4.98	56	4470	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16785	4.339	ug/l #	51
38) Carbon Tetrachloride	4.99	117	21745	5.112	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	93372	26.614	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	93372	61.596	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	1339	0.378	ug/l #	70
95) Naphthalene	13.76	128	8797	1.420	ug/l	96
96) 1,2,3-Trichlorobenzene	13.99	180	1439	0.408	ug/l	95

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070218\
Data File : VU025134.D
Acq On : 02 Jul 2018 11:12
Operator : MD/SY
Sample : VU0702WBL01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0702WBL01

Quant Time: Jul 03 02:57:05 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: VU025134.D

Acq: 02 Jul 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

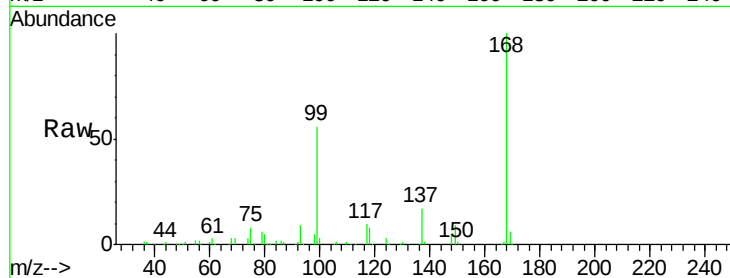
VU0702WBL01

Tot Ion:168 Resp: 218943

Ion Ratio Lower Upper

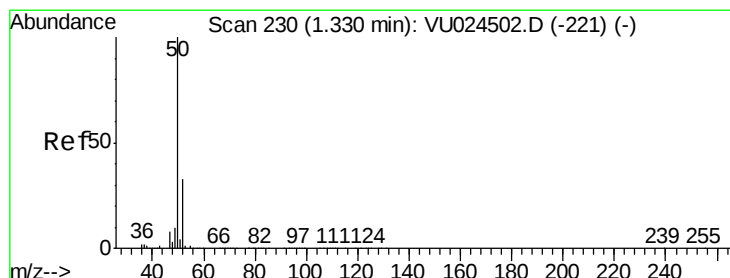
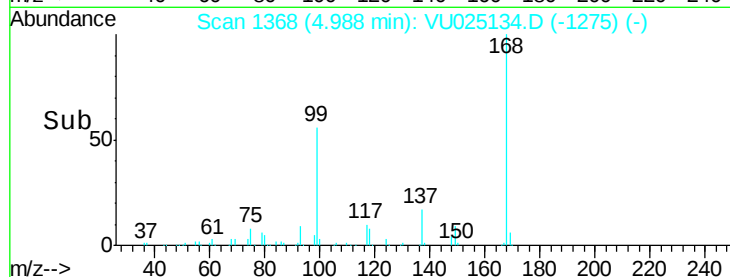
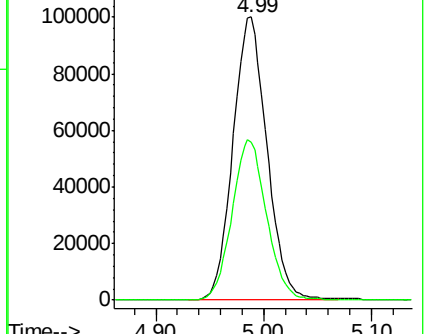
168 100

99 56.0 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) (-)



#3

Chloromethane

Concen: 0.530 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025134.D

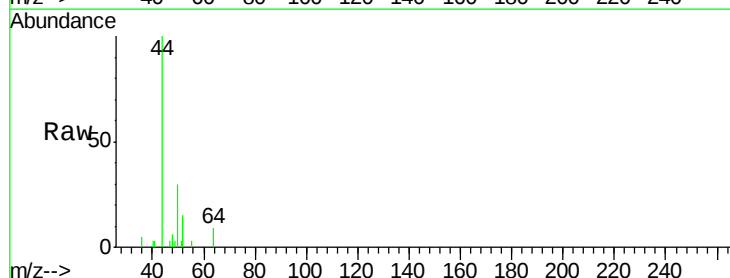
Acq: 02 Jul 2018 11:12

Tgt Ion: 50 Resp: 1485

Ion Ratio Lower Upper

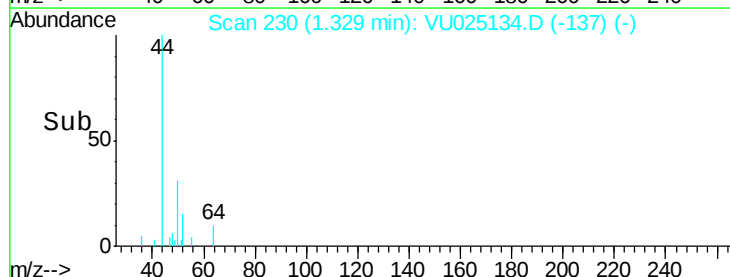
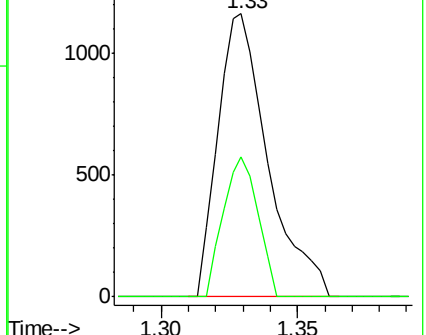
50 100

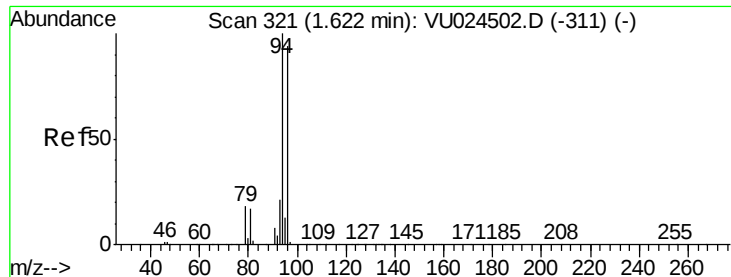
52 49.5 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)





#5

Bromomethane

Concen: 0.484 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025134.D

Acq: 02 Jul 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

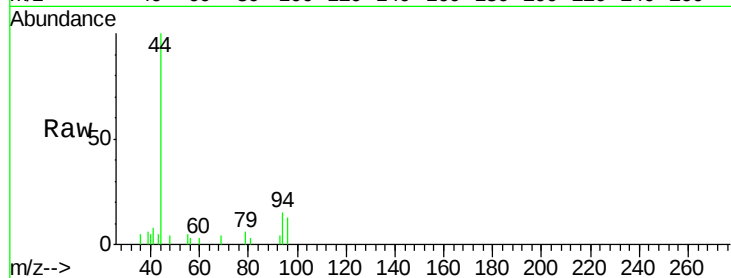
VU0702WBL01

Tot Ion: 94 Resp: 675

Ion Ratio Lower Upper

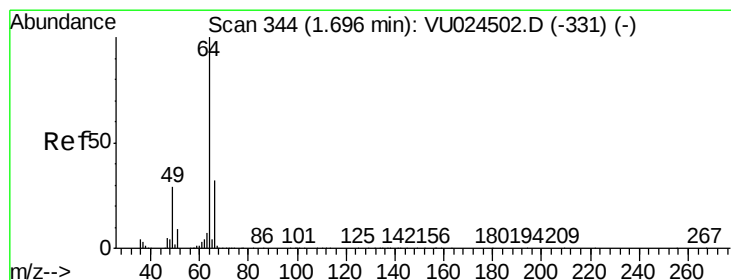
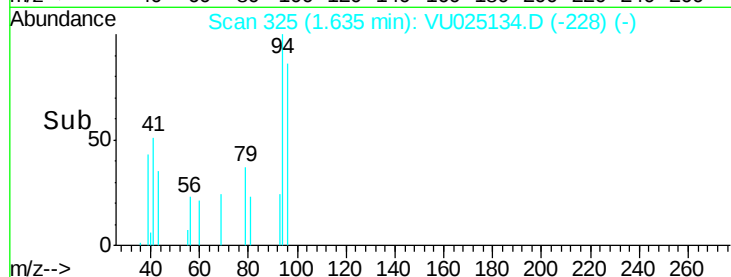
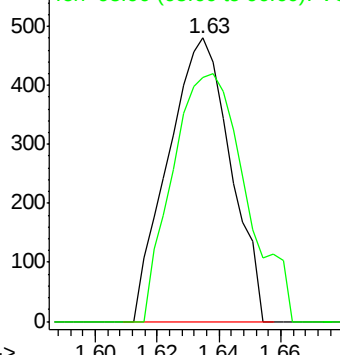
94 100

96 86.3 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: 1.67 min Scan# 337

Delta R.T. -0.02 min

Lab File: VU025134.D

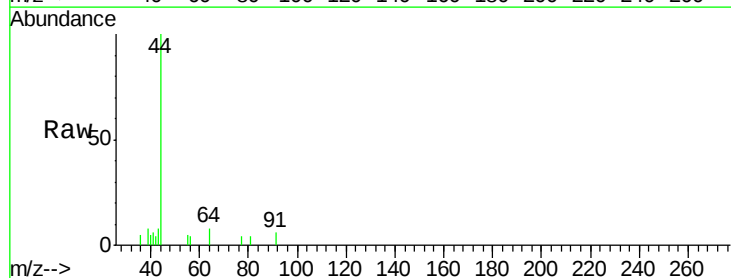
Acq: 02 Jul 2018 11:12

Tgt Ion: 64 Resp: 69

Ion Ratio Lower Upper

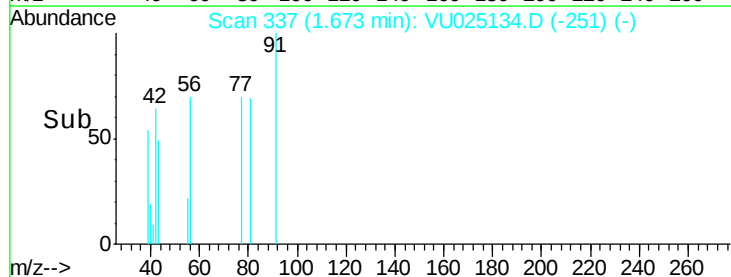
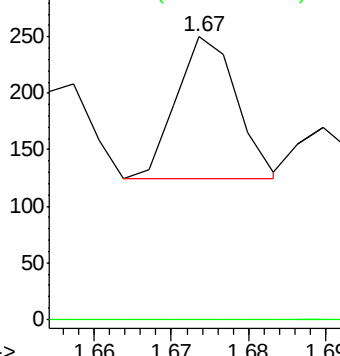
64 100

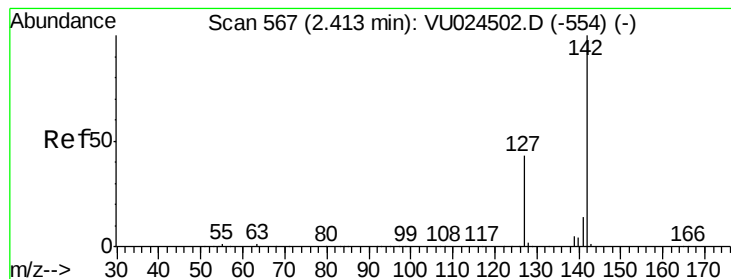
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methvl Iodide

Concen: 5.432 ug/l

RT: 2.43 min Scan# 572

Delta R.T. 0.02 min

Lab File: VU025134.D

Acq: 02 Jul 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBL01

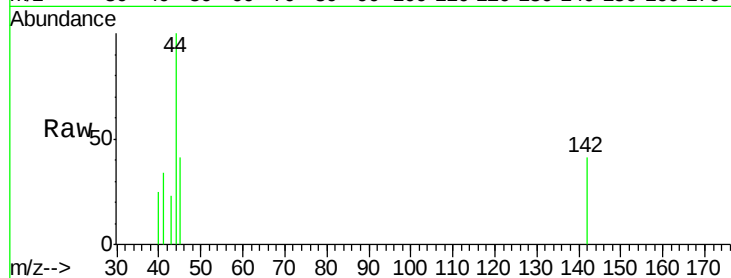
Tot Ion:142 Resp: 371

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

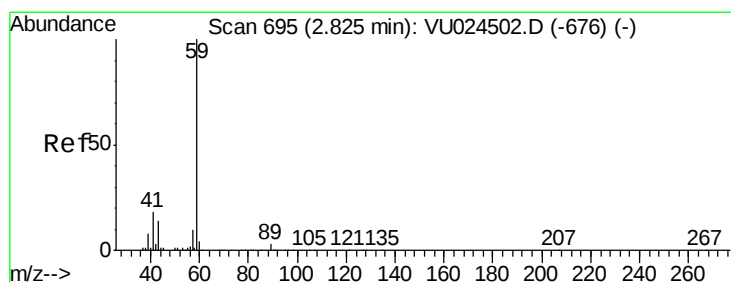
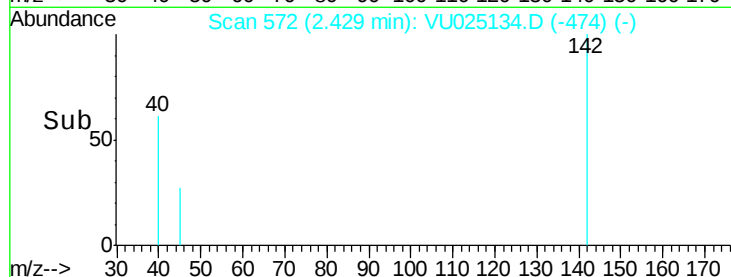
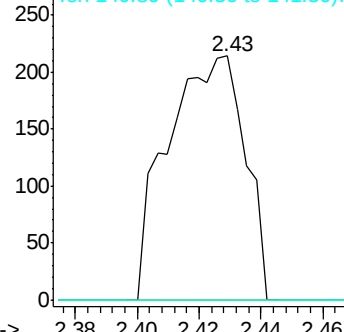
141 0.0 11.7 17.5#



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



#11

Tert butyl alcohol

Concen: 1.972 ug/l

RT: 2.84 min Scan# 700

Delta R.T. 0.02 min

Lab File: VU025134.D

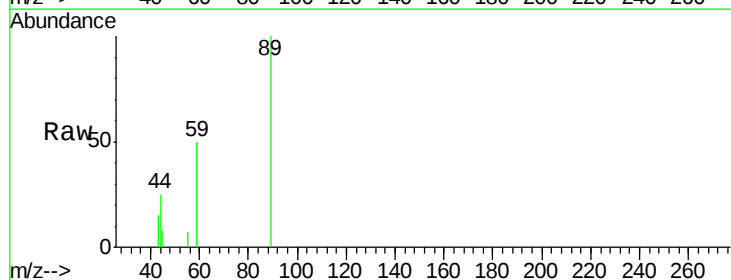
Acq: 02 Jul 2018 11:12

Tgt Ion: 59 Resp: 1714

Ion Ratio Lower Upper

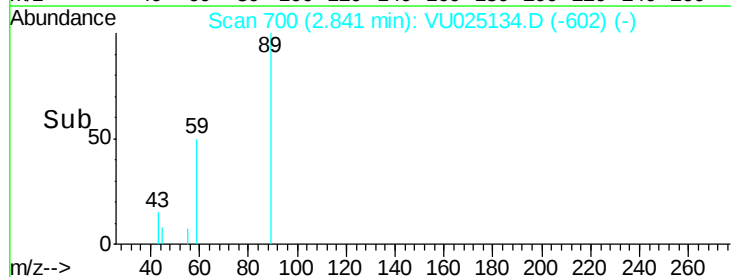
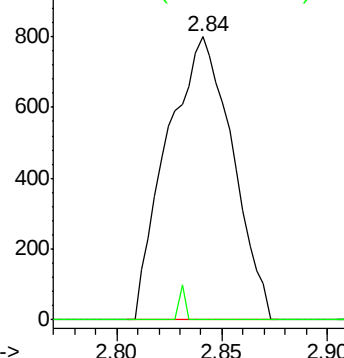
59 100

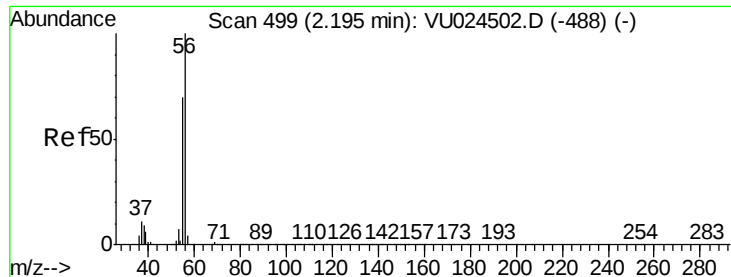
57 1.1 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 0.524 ug/l

RT: 2.20 min Scan# 501

Delta R.T. 0.01 min

Lab File: VU025134.D

Acq: 02 Jul 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

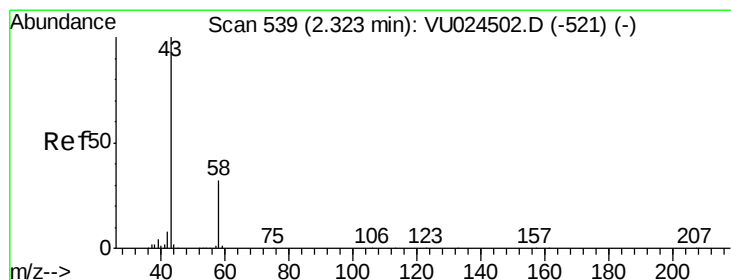
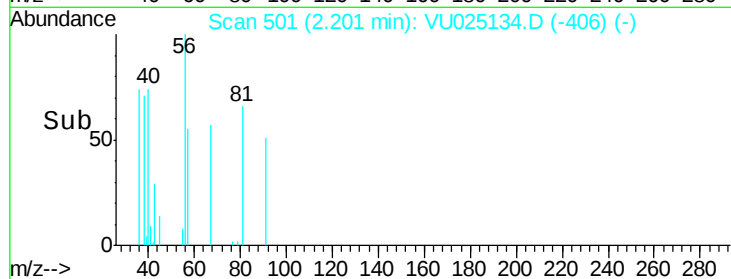
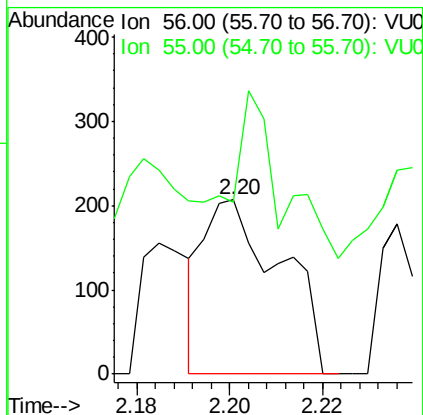
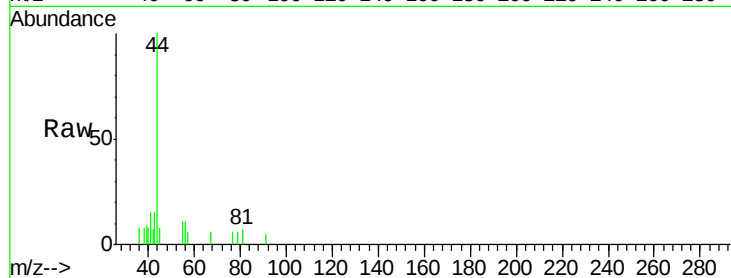
VU0702WBL01

Tot Ion: 56 Resp: 239

Ion Ratio Lower Upper

56 100

55 92.5 58.4 87.6#



#16

Acetone

Concen: 0.579 ug/l

RT: 2.32 min Scan# 537

Delta R.T. -0.01 min

Lab File: VU025134.D

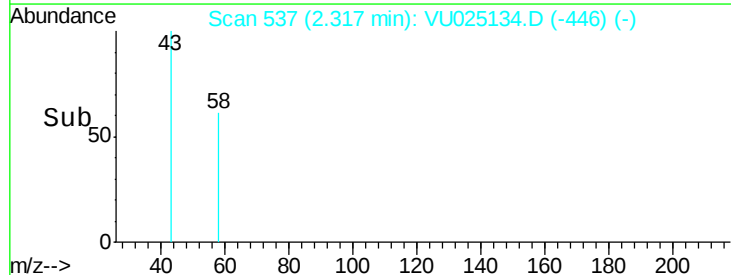
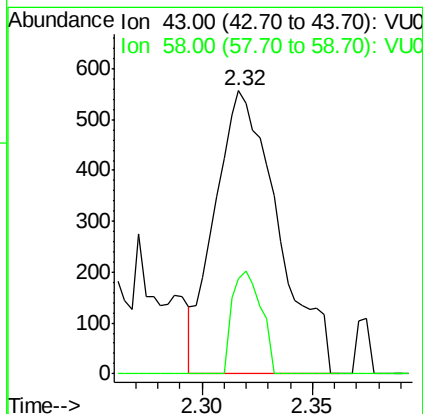
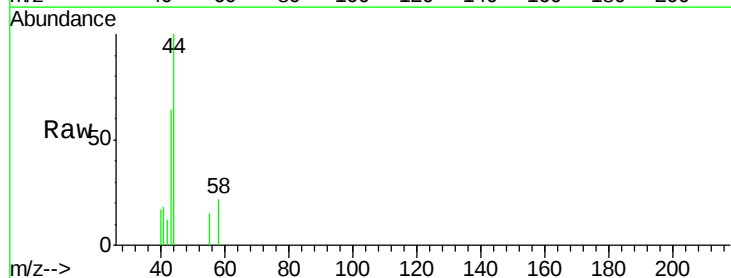
Acq: 02 Jul 2018 11:12

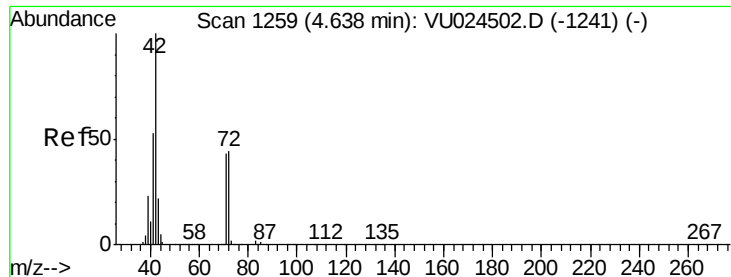
Tgt Ion: 43 Resp: 1111

Ion Ratio Lower Upper

43 100

58 33.6 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.233 ug/l

RT: 4.65 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VU025134.D

Acq: 02 Jul 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBL01

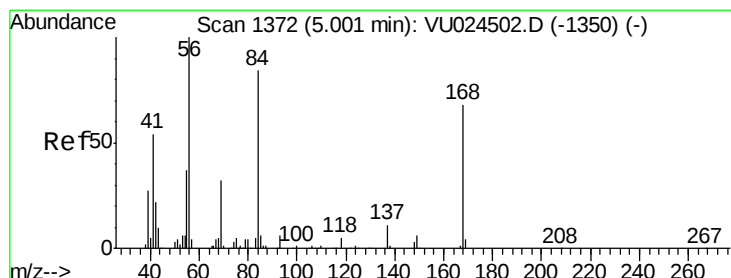
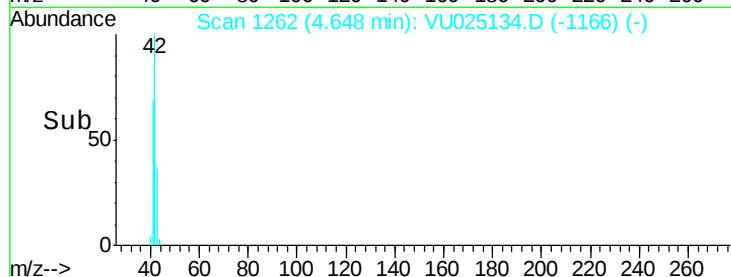
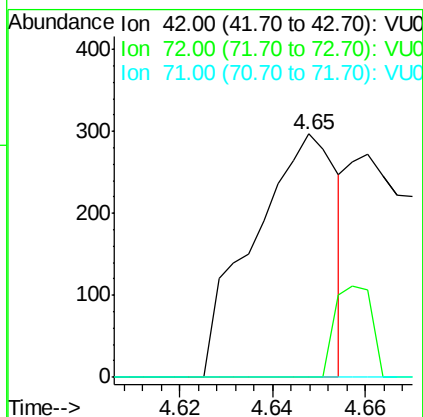
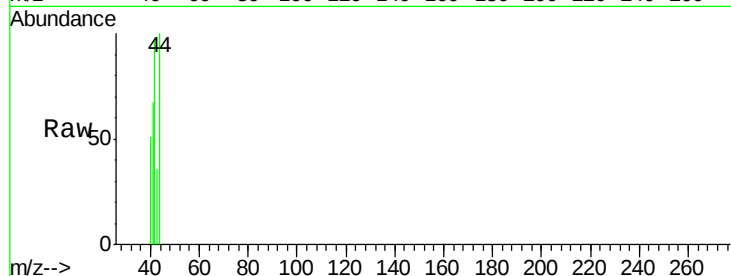
Tot Ion: 42 Resp: 372

Ion Ratio Lower Upper

42 100

72 16.7 34.5 51.7#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VU025134.D

Acq: 02 Jul 2018 11:12

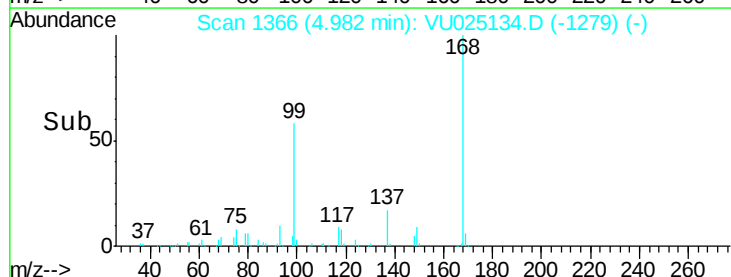
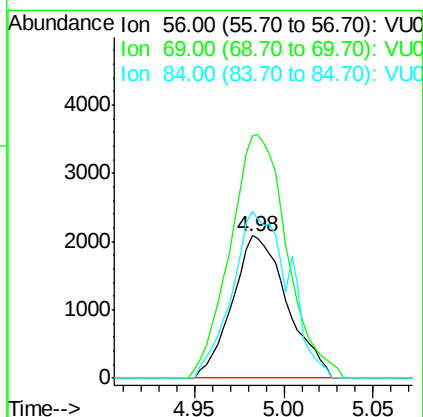
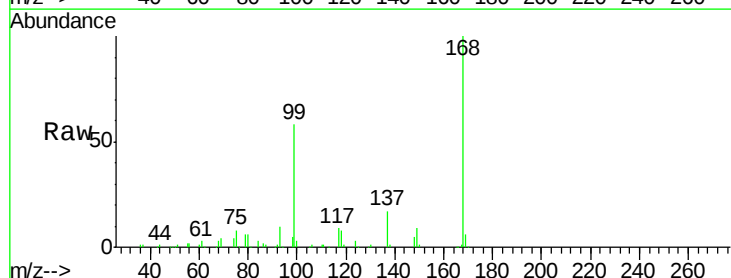
Tgt Ion: 56 Resp: 4470

Ion Ratio Lower Upper

56 100

69 170.6 24.8 37.2#

84 117.0 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: 46.644 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025134.D

Acq: 02 Jul 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

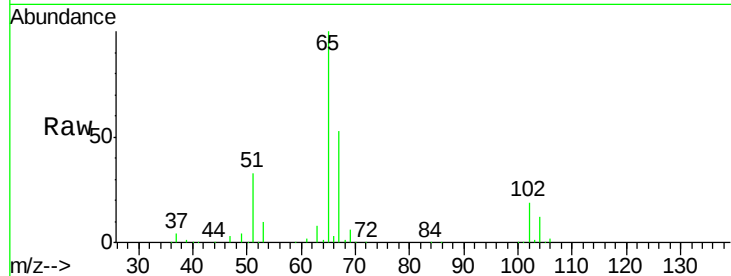
VU0702WBL01

Tot Ion: 65 Resp: 166720

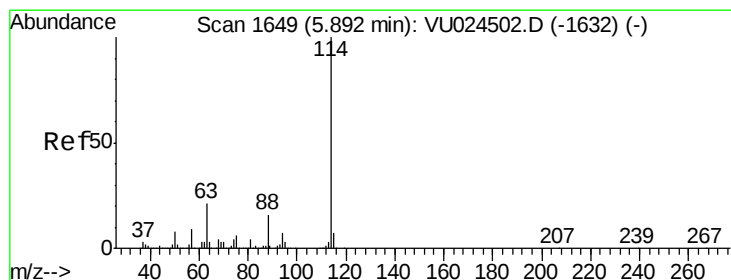
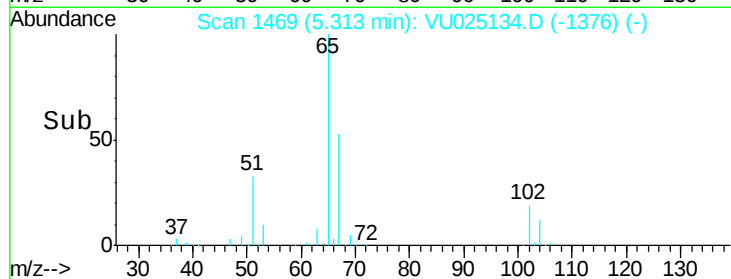
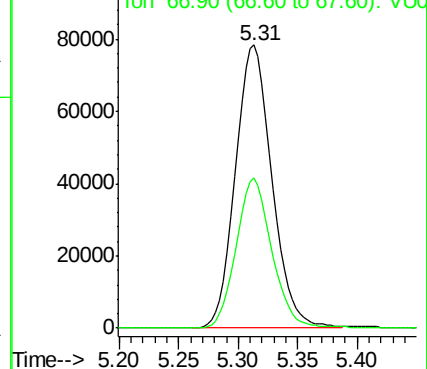
Ion Ratio Lower Upper

65 100

67 51.5 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU025134.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025134.D

Acq: 02 Jul 2018 11:12

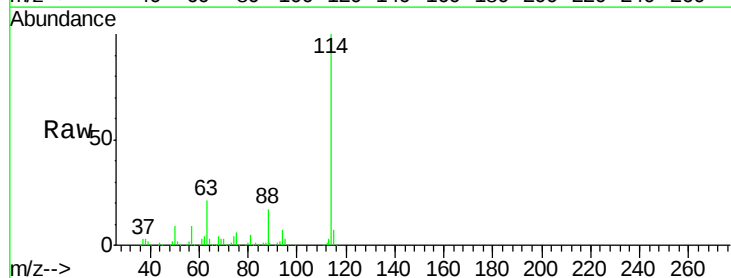
Tgt Ion: 114 Resp: 329172

Ion Ratio Lower Upper

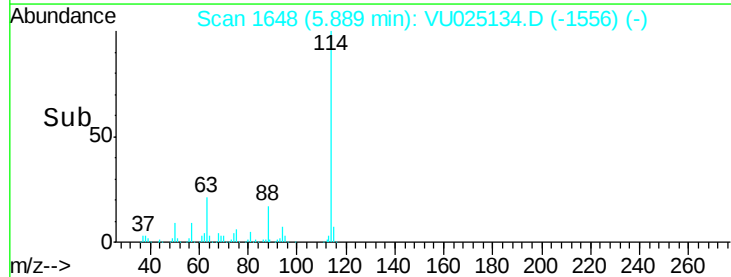
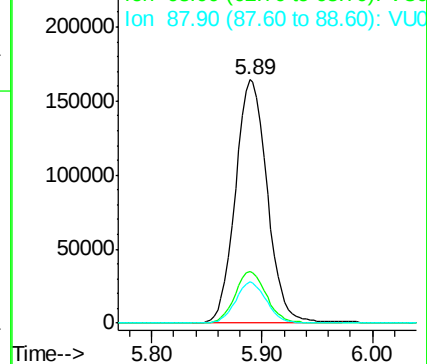
114 100

63 21.4 0.0 45.4

88 16.7 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU025134.D (-1556) (-)

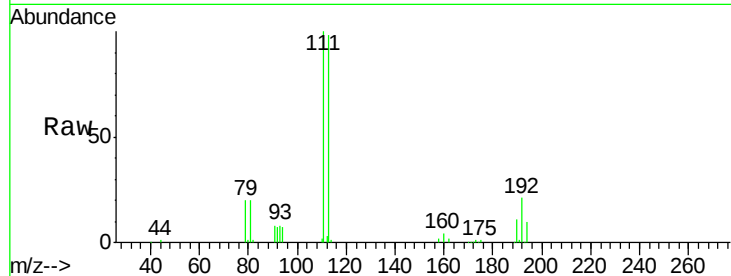




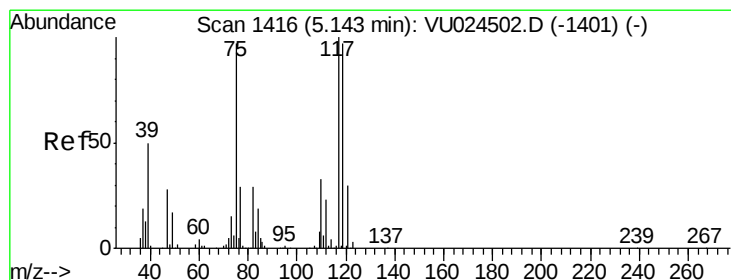
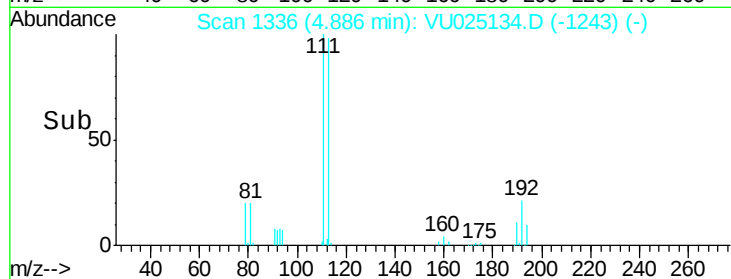
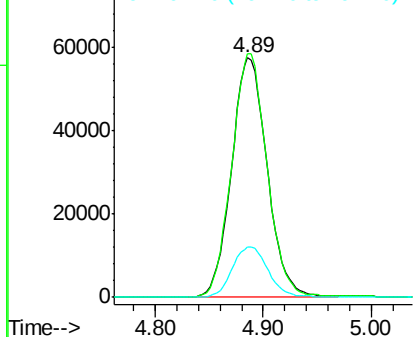
#35
 Dibromofluoromethane
 Concen: 48.698 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025134.D
 Acq: 02 Jul 2018 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBL01

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	82.2	123.4
192	21.1	16.2	24.4

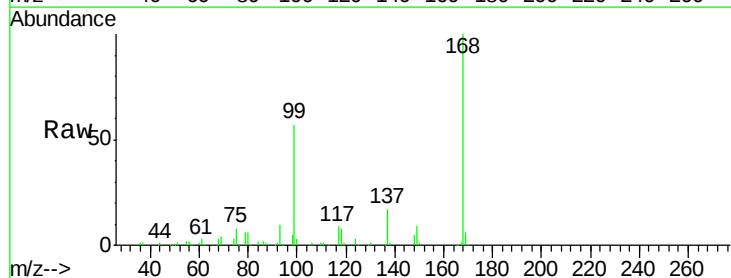


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

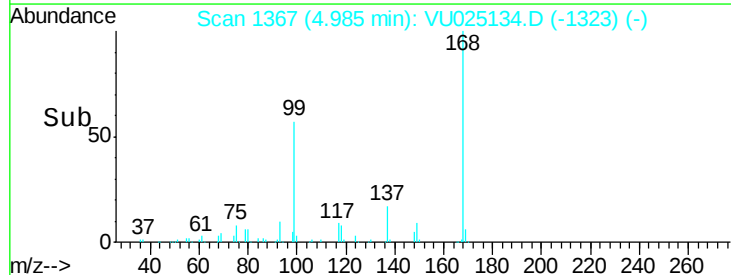
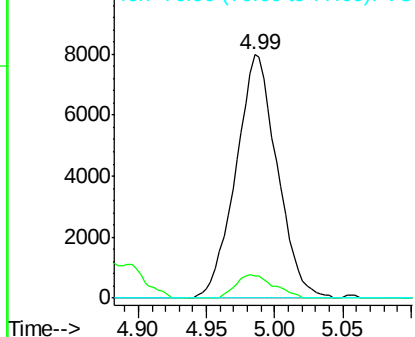


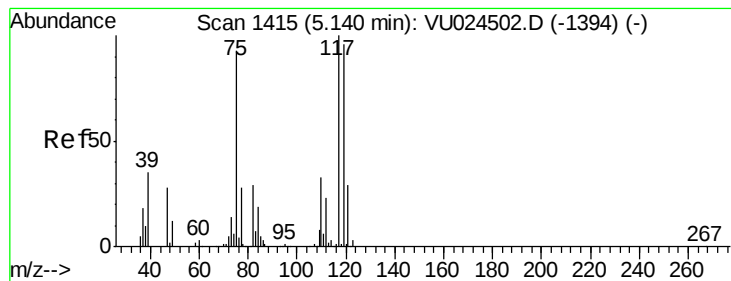
#36
 1,1-Dichloropropene
 Concen: 4.339 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025134.D
 Acq: 02 Jul 2018 11:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.0	50.9#
77	0.0	24.2	36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.112 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025134.D

Acq: 02 Jul 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBL01

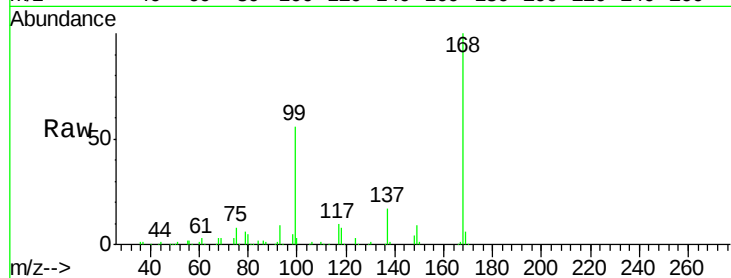
Tot Ion:117 Resp: 21745

Ion Ratio Lower Upper

117 100

119 4.2 76.1 114.1#

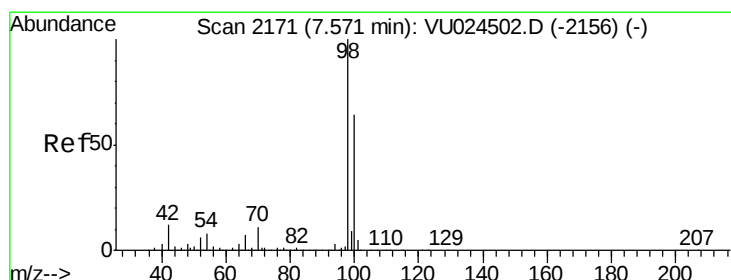
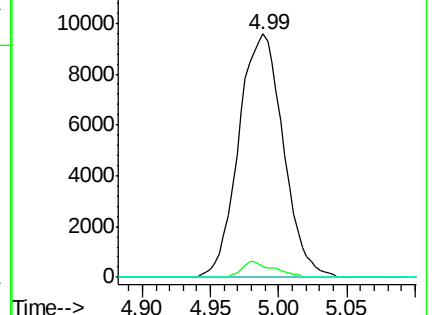
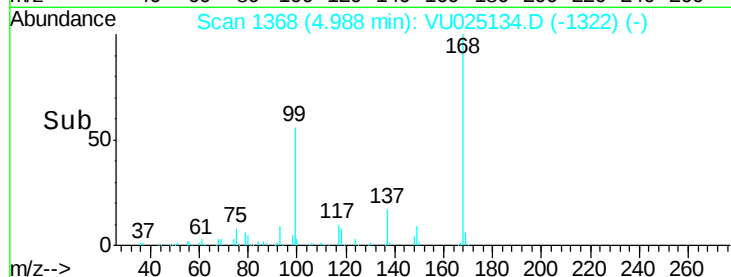
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.300 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025134.D

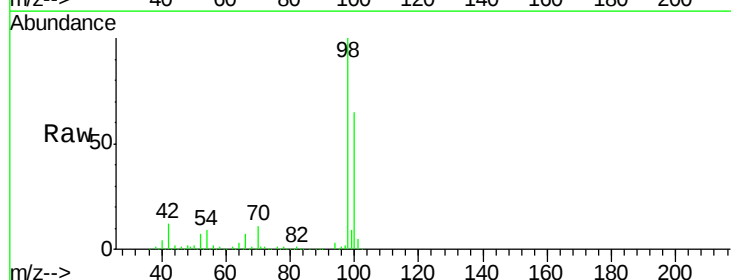
Acq: 02 Jul 2018 11:12

Tgt Ion: 98 Resp: 481302

Ion Ratio Lower Upper

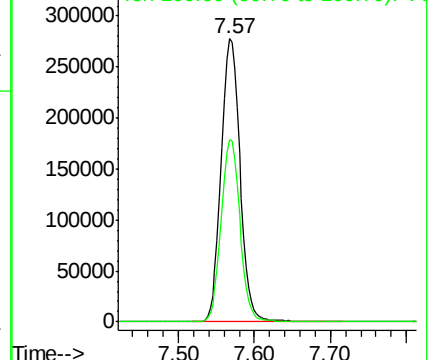
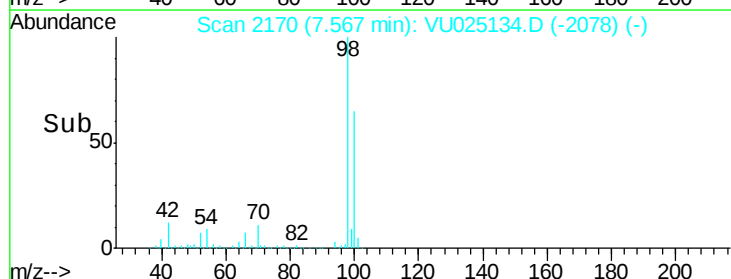
98 100

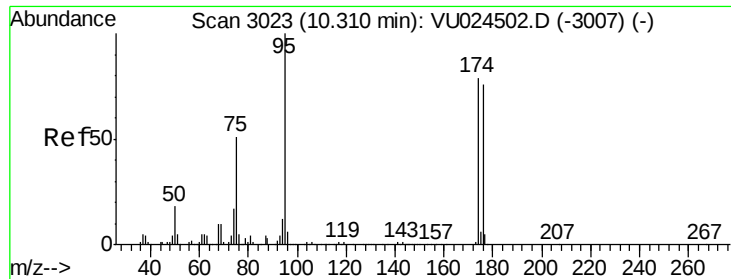
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

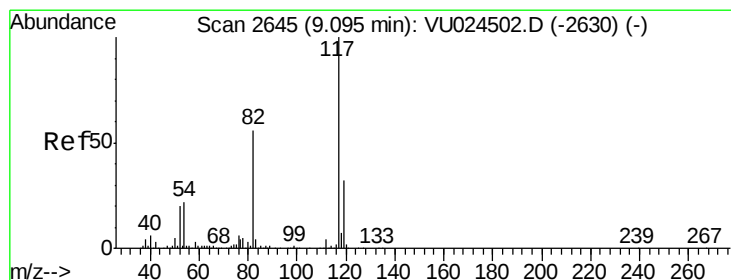
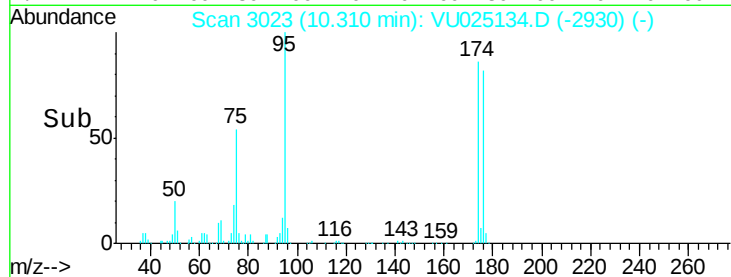
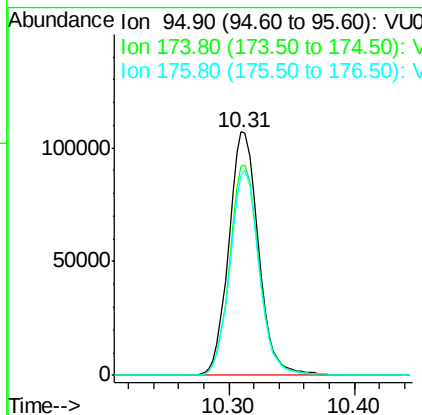
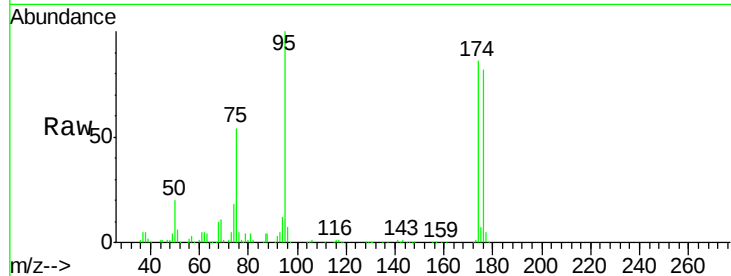




#62
4-Bromofluorobenzene
Concen: 44.495 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025134.D
Acq: 02 Jul 2018 11:12

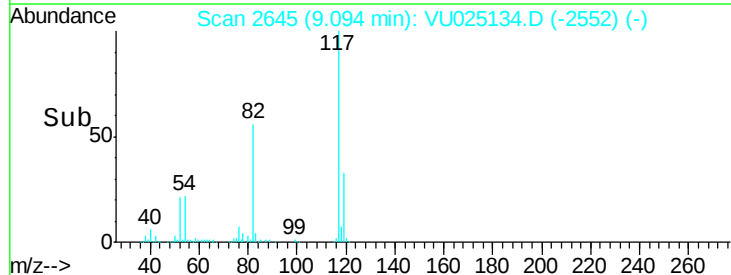
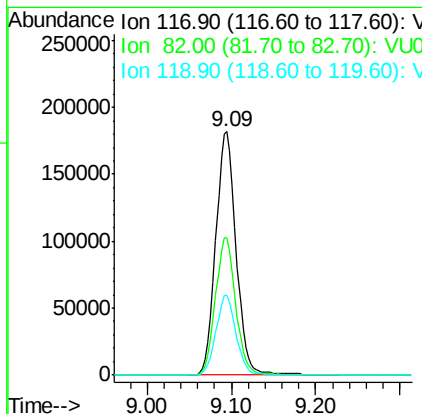
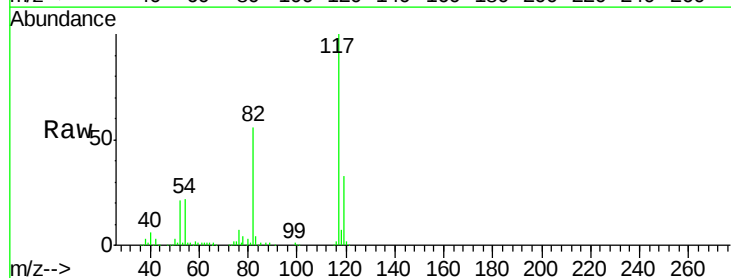
Instrument :
MSVOA_U
ClientSampleId :
VU0702WBL01

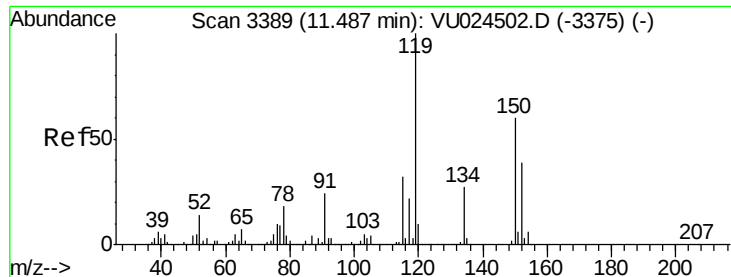
Tot Ion: 95 Resp: 176040
Ion Ratio Lower Upper
95 100
174 85.9 0.0 165.8
176 82.4 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025134.D
Acq: 02 Jul 2018 11:12

Tgt Ion: 117 Resp: 305152
Ion Ratio Lower Upper
117 100
82 56.3 44.3 66.5
119 32.7 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025134.D

Acq: 02 Jul 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBL01

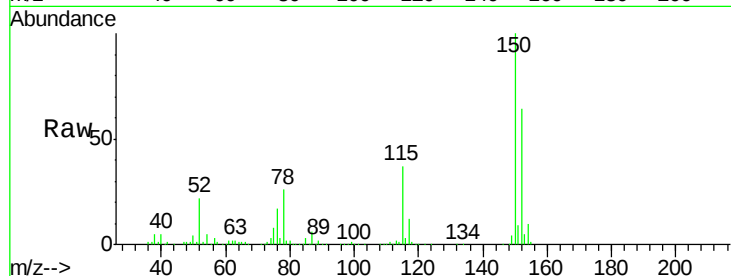
Tot Ion:152 Resp: 159352

Ion Ratio Lower Upper

152 100

115 57.8 43.0 129.0

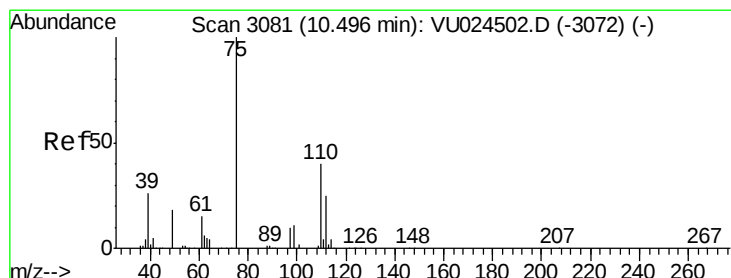
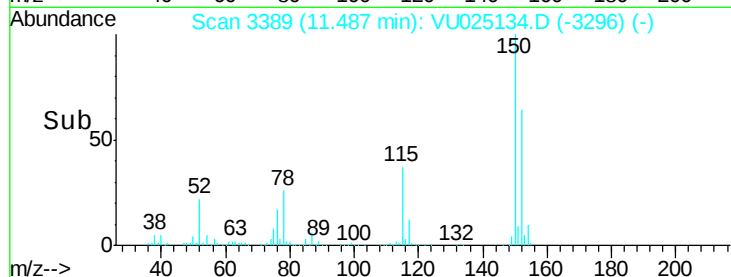
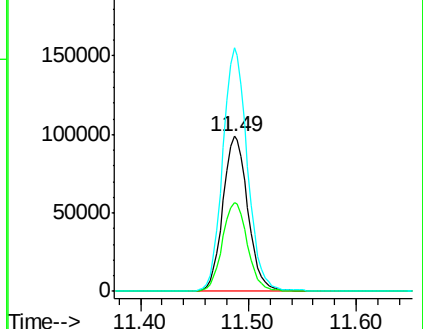
150 154.2 0.0 354.0



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: 26.614 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025134.D

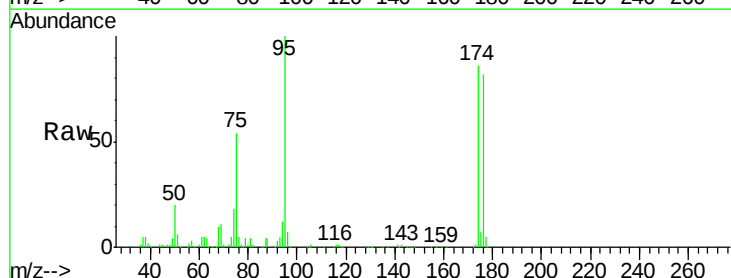
Acq: 02 Jul 2018 11:12

Tgt Ion: 75 Resp: 93372

Ion Ratio Lower Upper

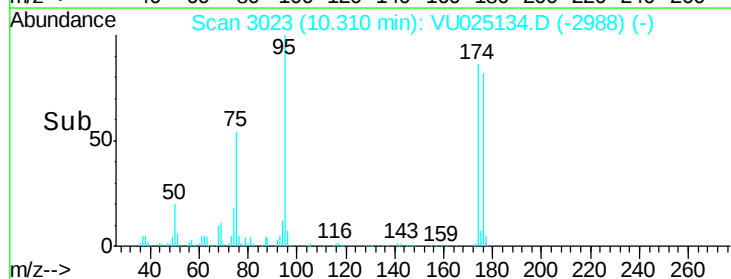
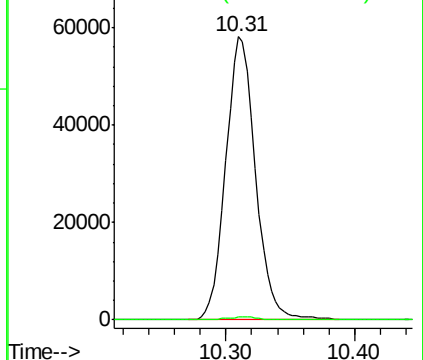
75 100

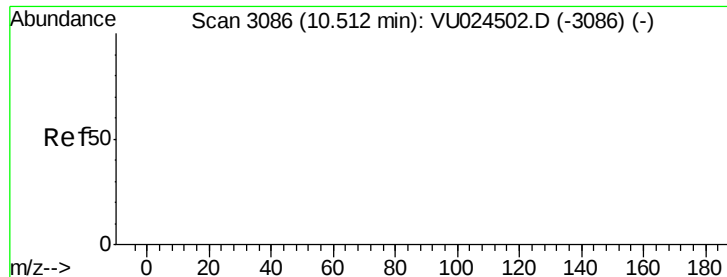
77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

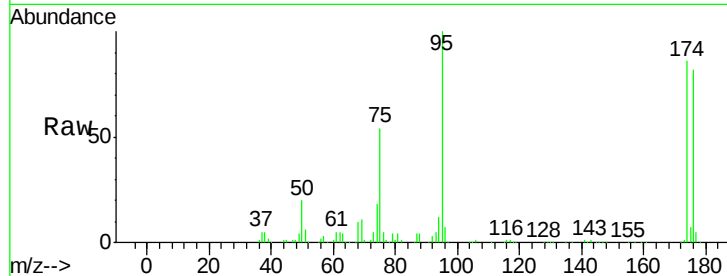




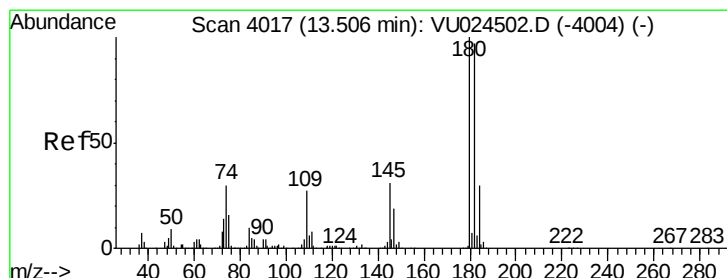
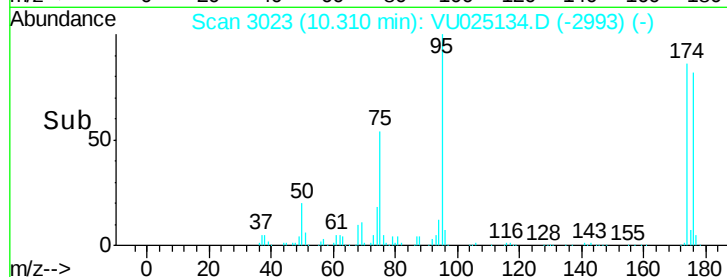
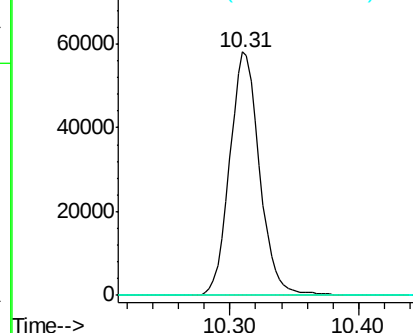
#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.596 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025134.D
 Acq: 02 Jul 2018 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBL01

Tot Ion: 75 Resp: 93372
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

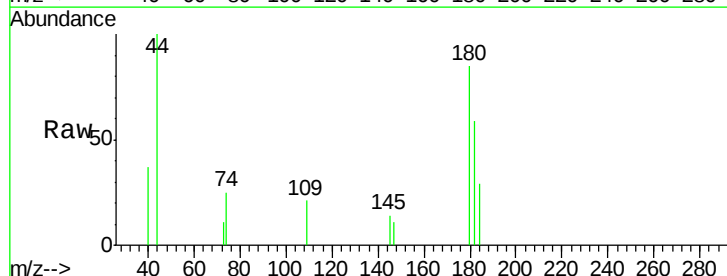


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 53.00 (52.70 to 53.70): VU0
 Ion 88.90 (88.60 to 89.60): VU0

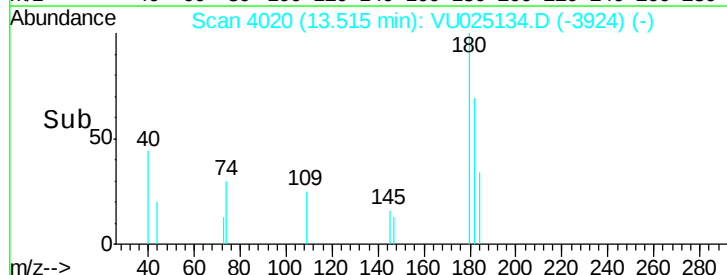
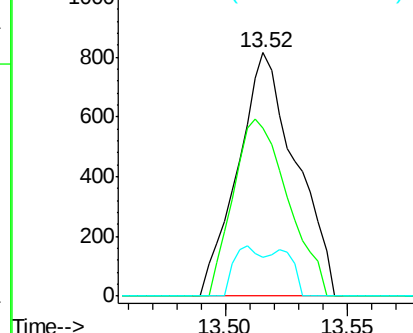


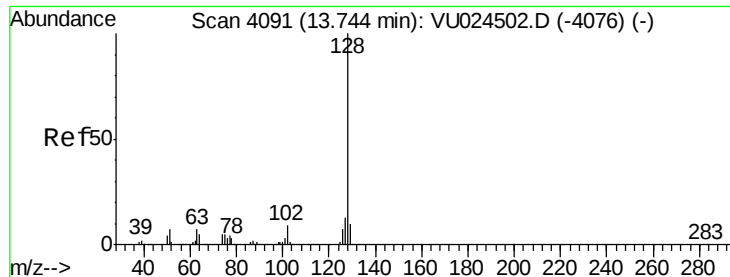
#93
 1,2,4-Trichlorobenzene
 Concen: 0.378 ug/l
 RT: 13.52 min Scan# 4020
 Delta R.T. 0.01 min
 Lab File: VU025134.D
 Acq: 02 Jul 2018 11:12

Tgt Ion:180 Resp: 1339
 Ion Ratio Lower Upper
 180 100
 182 69.1 48.0 144.2
 145 10.2 14.7 44.1#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.420 ug/l

RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

Lab File: VU025134.D

Acq: 02 Jul 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBL01

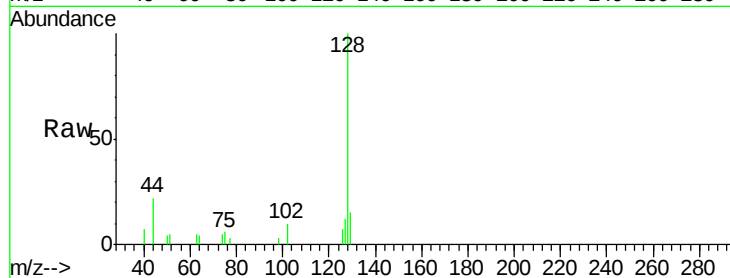
Tot Ion:128 Resp: 8797

Ion Ratio Lower Upper

128 100

127 10.8 10.6 16.0

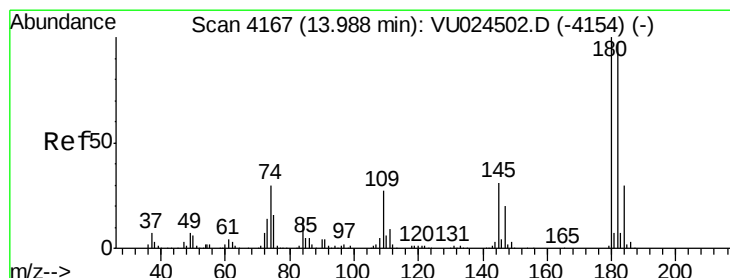
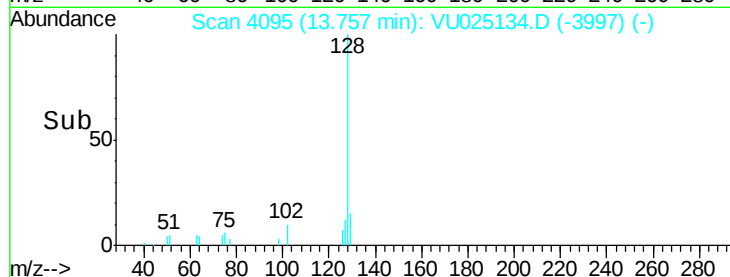
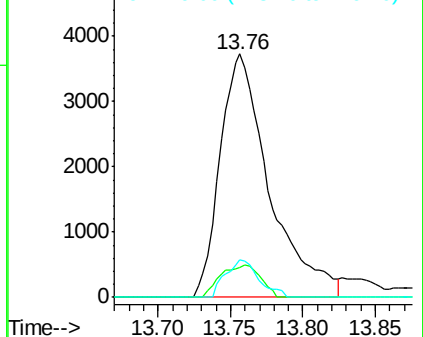
129 10.4 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.408 ug/l

RT: 13.99 min Scan# 4169

Delta R.T. 0.01 min

Lab File: VU025134.D

Acq: 02 Jul 2018 11:12

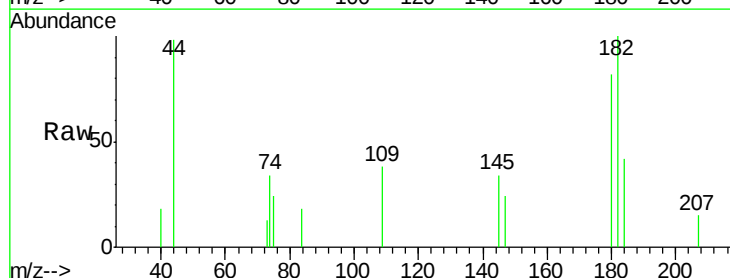
Tgt Ion:180 Resp: 1439

Ion Ratio Lower Upper

180 100

182 100.3 47.9 143.7

145 27.8 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

