

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024907.D
 Acq On : 26 Jun 2018 04:39
 Operator : MD/SY
 Sample : J3669-16ME 200X
 Misc : 5.94g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:42:43 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	218829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	336142	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	313518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167401	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	162856	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	
35) Dibromofluoromethane	4.89	113	128310	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	
50) Toluene-d8	7.57	98	485815	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	10.31	95	178814	44.26	ug/l	0.00
Spiked Amount			Recovery	=	88.52%	

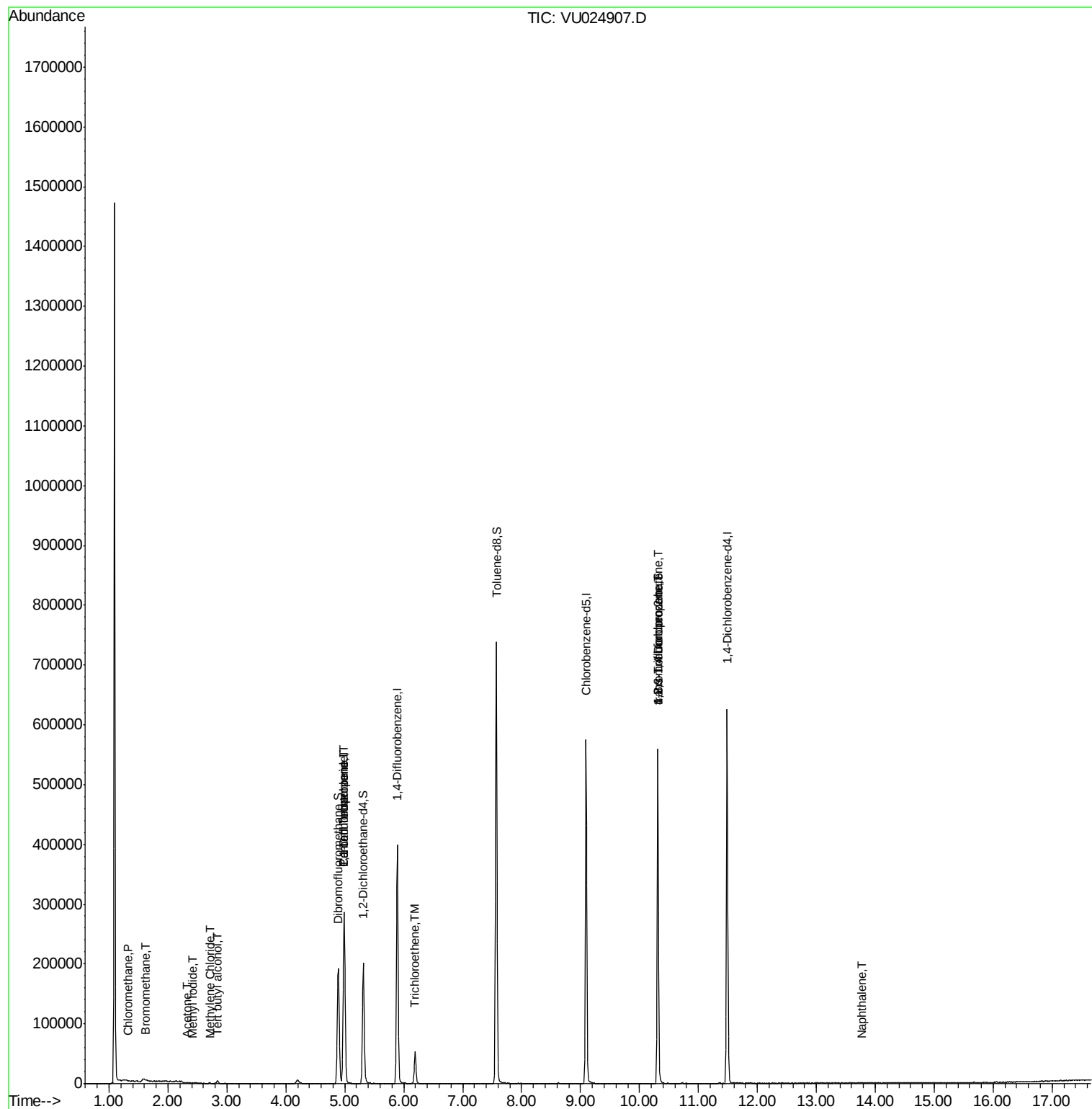
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	647	0.23	ug/l	100
5) Bromomethane	1.63	94	399	0.29	ug/l	88
6) Chloroethane	1.67	64	41	Below Cal	#	43
10) Methyl Iodide	2.42	142	70	5.32	ug/l	# 40
11) Tert butyl alcohol	2.84	59	2630	3.03	ug/l	# 74
16) Acetone	2.33	43	600	0.31	ug/l	# 89
20) Methylene Chloride	2.71	84	622	0.21	ug/l	# 75
31) Cyclohexane	4.99	56	4477	Below Cal	#	3
36) 1,1-Dichloropropene	4.99	75	16236	4.11	ug/l	# 51
38) Carbon Tetrachloride	4.99	117	20971	4.83	ug/l	# 16
44) Trichloroethene	6.19	130	19517	6.09	ug/l	# 94
76) 1,2,3-Trichloropropane	10.31	75	93989	25.50	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	10.31	75	93989	59.02	ug/l	# 100
95) Naphthalene	13.78	128	46	0.68	ug/l	# 69

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

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QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024907.D

Acq: 26 Jun 2018 04:39

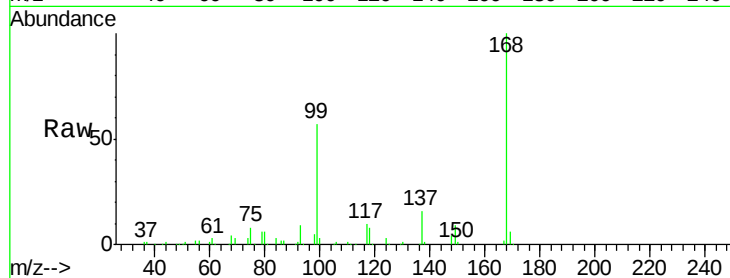
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 218829

Ion Ratio Lower Upper

168 100

99 57.4 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

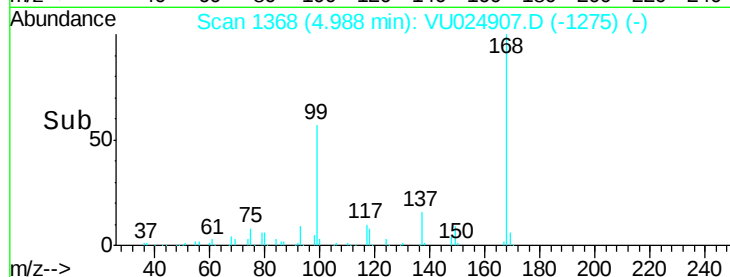
0

Time-->

4.90

5.00

5.10



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024907.D

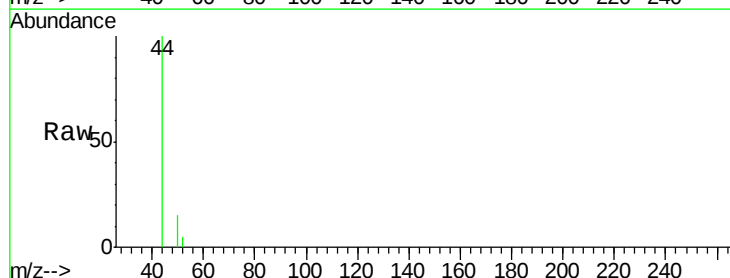
Acq: 26 Jun 2018 04:39

Tgt Ion: 50 Resp: 647

Ion Ratio Lower Upper

50 100

52 32.9 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

600

500

400

300

200

100

0

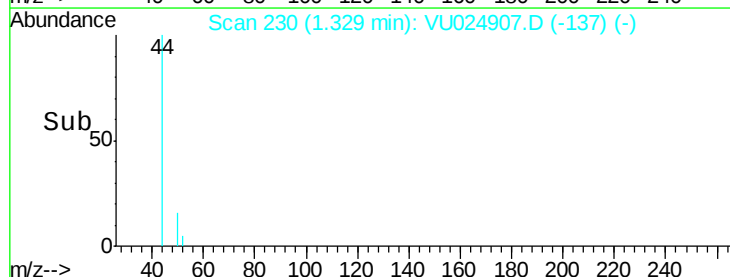
Time-->

1.30

1.32

1.34

1.36





#5

Bromomethane

Concen: 0.29 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024907.D

Acq: 26 Jun 2018 04:39

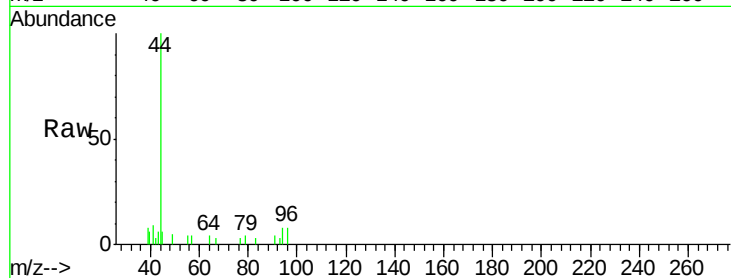
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 399

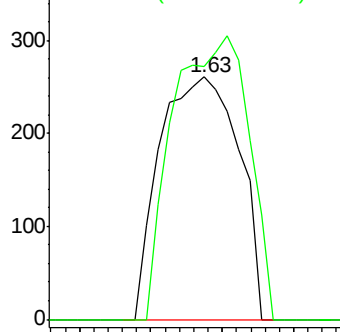
Ion Ratio Lower Upper

94 100

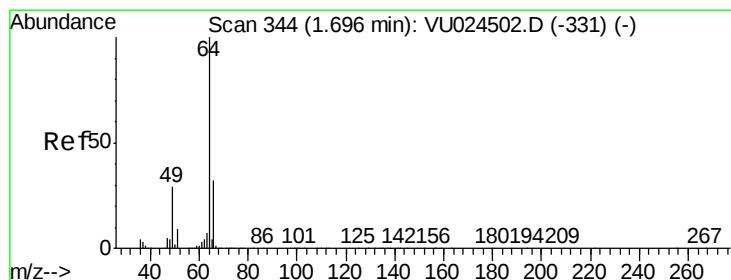
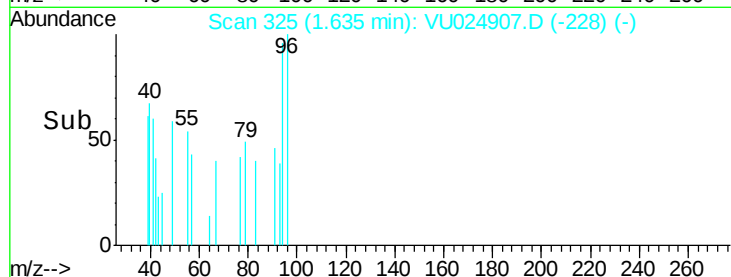
96 104.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0
Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 337

Delta R.T. -0.02 min

Lab File: VU024907.D

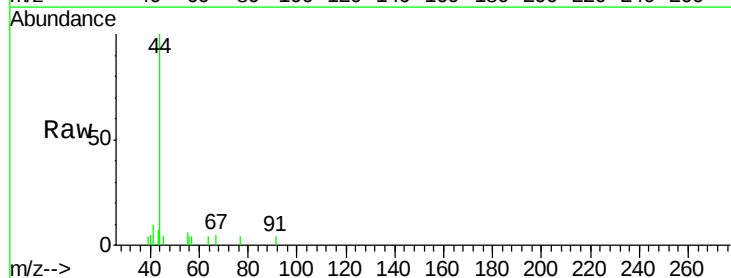
Acq: 26 Jun 2018 04:39

Tgt Ion: 64 Resp: 41

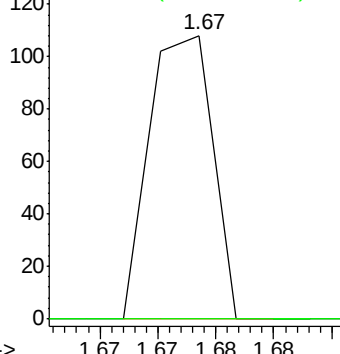
Ion Ratio Lower Upper

64 100

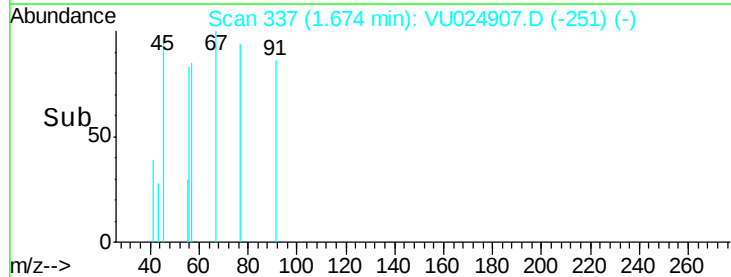
66 0.0 25.5 38.3#

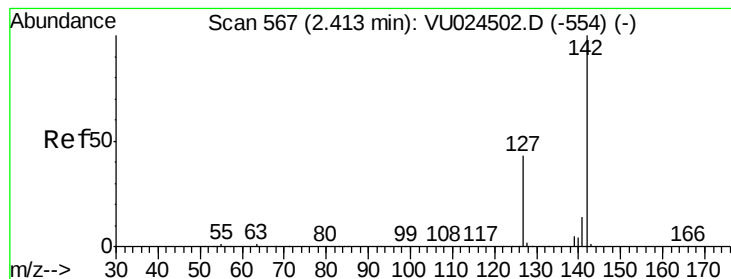


Abundance Ion 63.90 (63.60 to 64.60): VU0
Ion 65.90 (65.60 to 66.60): VU0



Time-->





#10

Methvl Iodide

Concen: 5.32 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU024907.D

Acq: 26 Jun 2018 04:39

Instrument :

MSVOA_U

ClientSampleId :

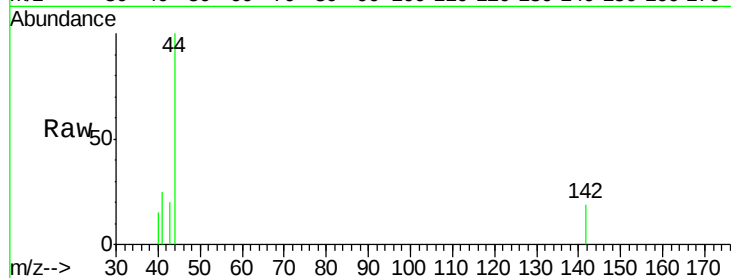
Tot Ion:142 Resp: 70

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

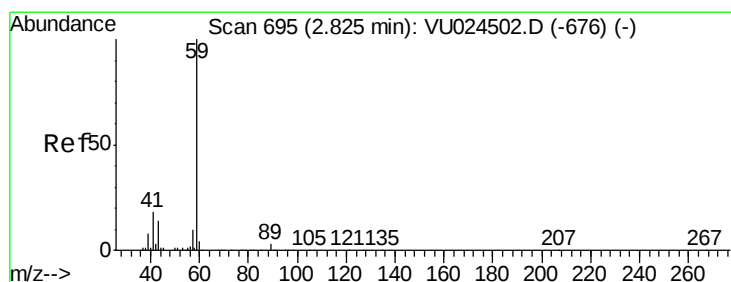
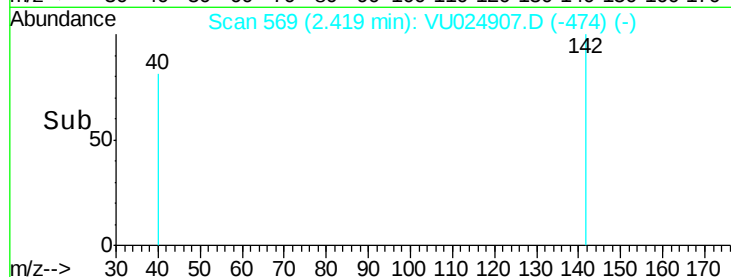
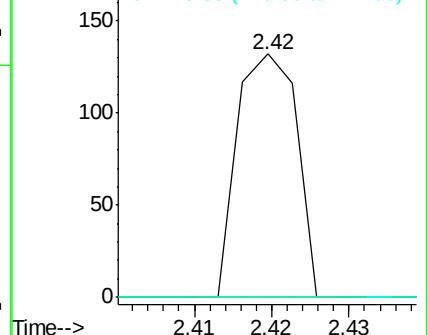
141 0.0 11.7 17.5#



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: 3.03 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU024907.D

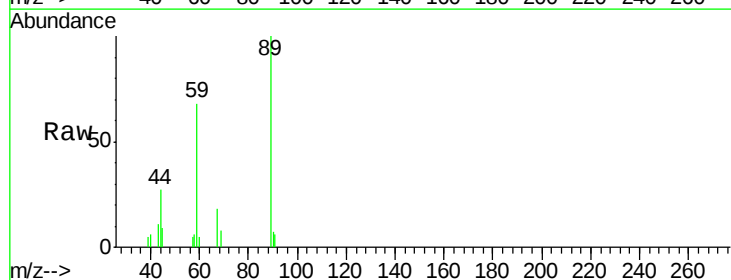
Acq: 26 Jun 2018 04:39

Tgt Ion: 59 Resp: 2630

Ion Ratio Lower Upper

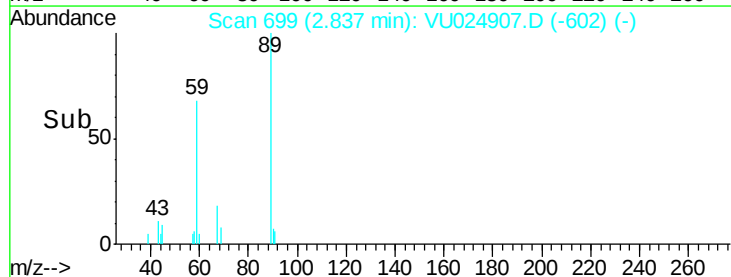
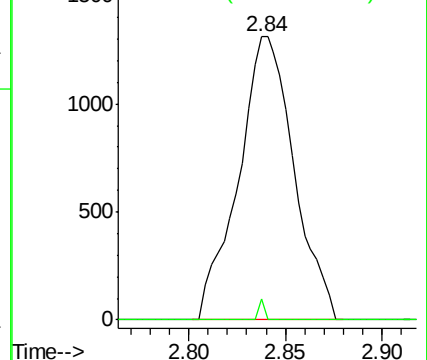
59 100

57 0.7 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 0.31 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024907.D

Acq: 26 Jun 2018 04:39

Instrument :

MSVOA_U

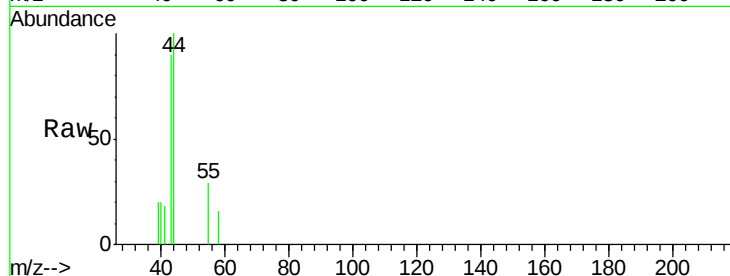
ClientSampled :

Tot Ion: 43 Resp: 600

Ion Ratio Lower Upper

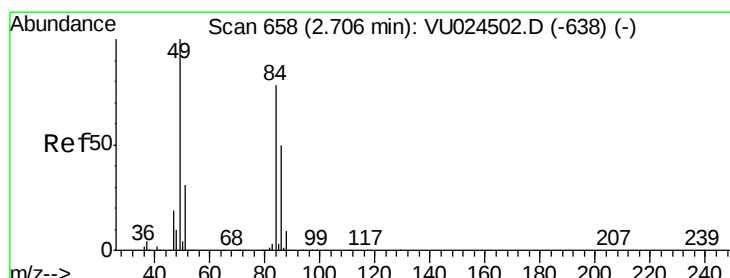
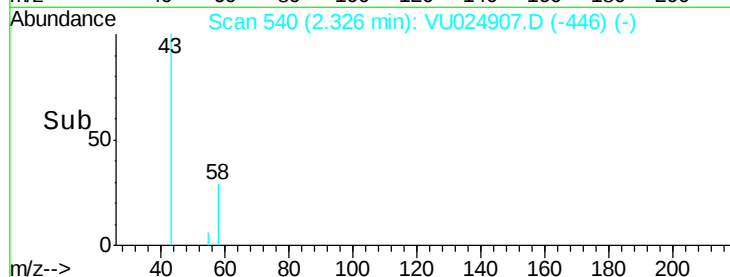
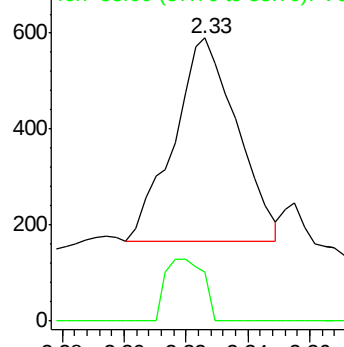
43 100

58 24.3 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: 0.21 ug/l

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU024907.D

Acq: 26 Jun 2018 04:39

Tgt Ion: 84 Resp: 622

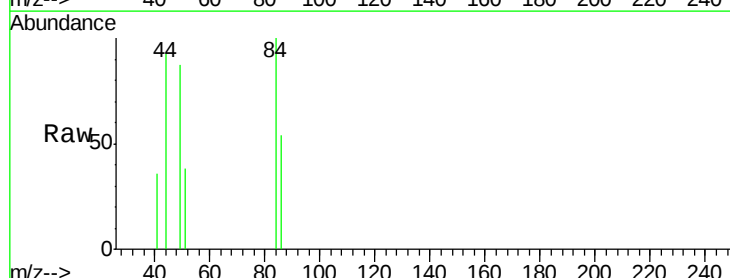
Ion Ratio Lower Upper

84 100

49 87.0 103.8 155.8#

51 37.6 32.0 48.0

86 53.9 51.6 77.4

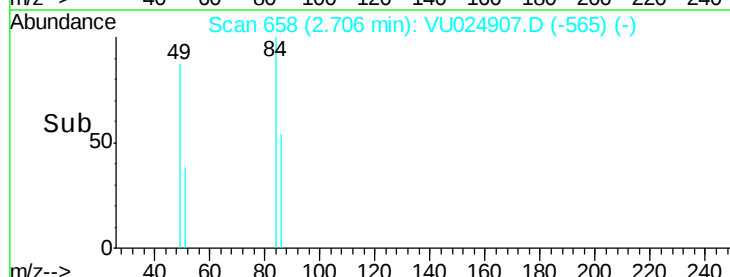
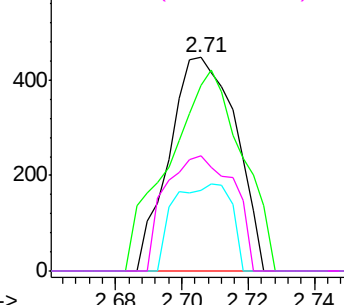


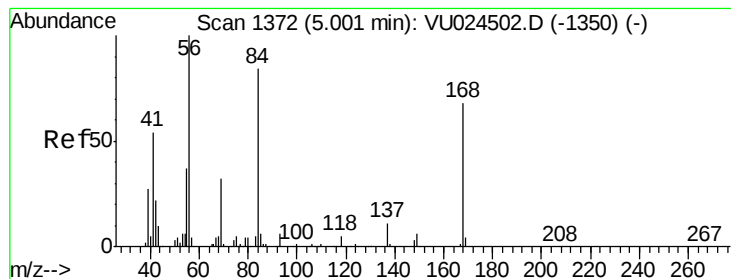
Abundance Ion 83.90 (83.60 to 84.60): VU0

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: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU024907.D

Acq: 26 Jun 2018 04:39

Instrument :

MSVOA_U

ClientSampleId :

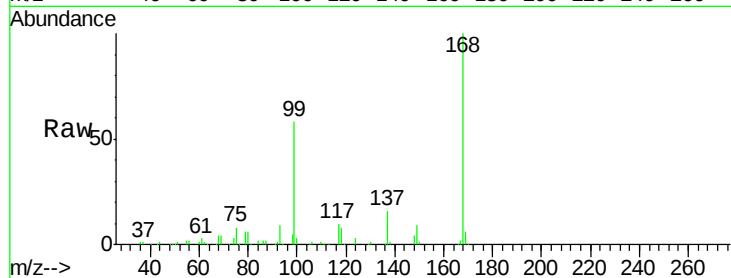
Tot Ion: 56 Resp: 4477

Ion Ratio Lower Upper

56 100

69 174.4 24.8 37.2#

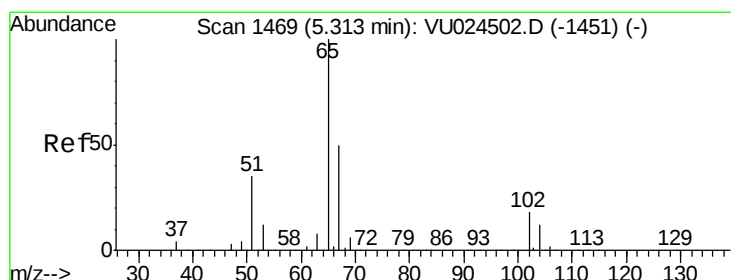
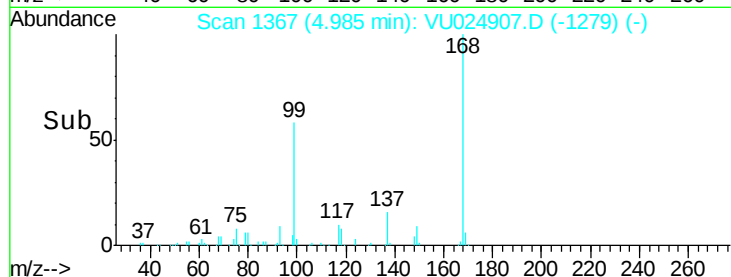
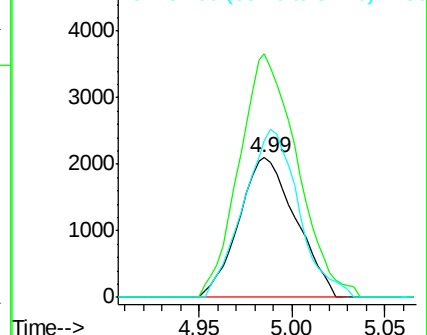
84 112.2 65.2 97.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 45.59 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024907.D

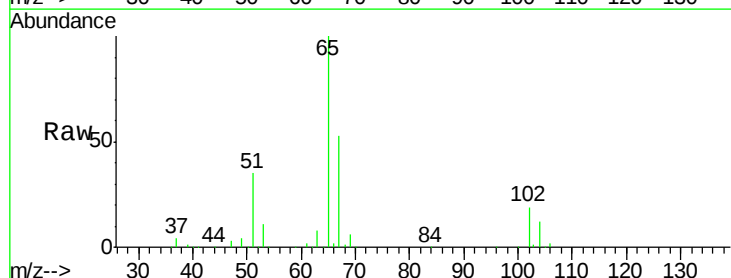
Acq: 26 Jun 2018 04:39

Tgt Ion: 65 Resp: 162856

Ion Ratio Lower Upper

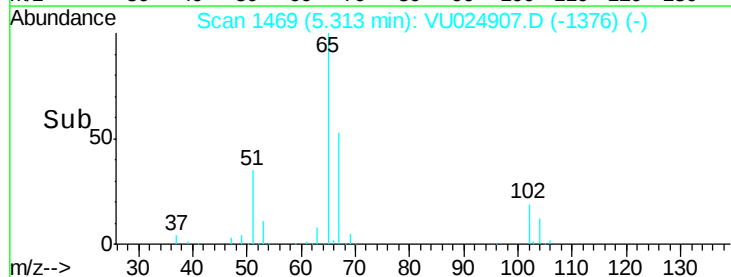
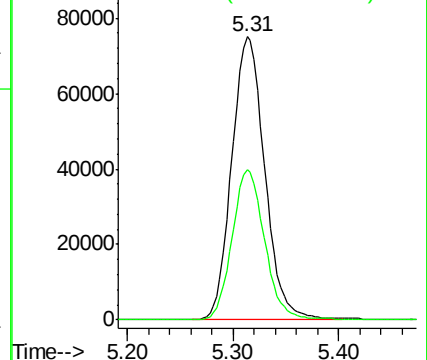
65 100

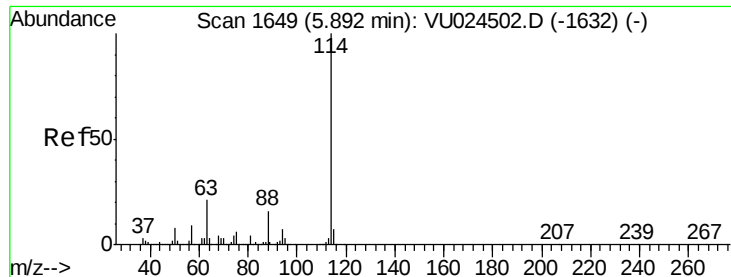
67 52.3 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024907.D

Acq: 26 Jun 2018 04:39

Instrument :

MSVOA_U

ClientSampleId :

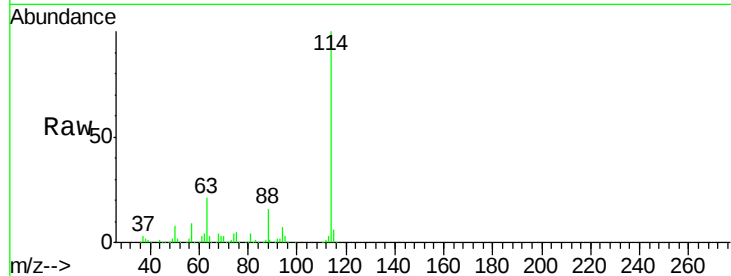
Tot Ion:114 Resp: 336142

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.4

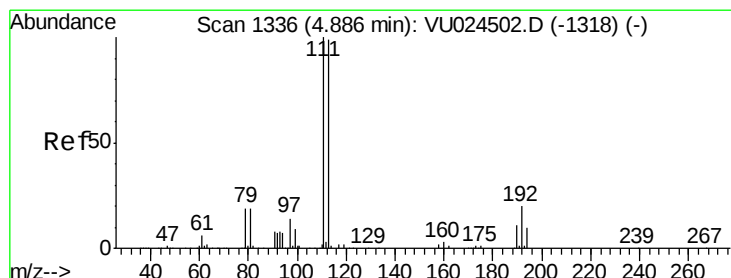
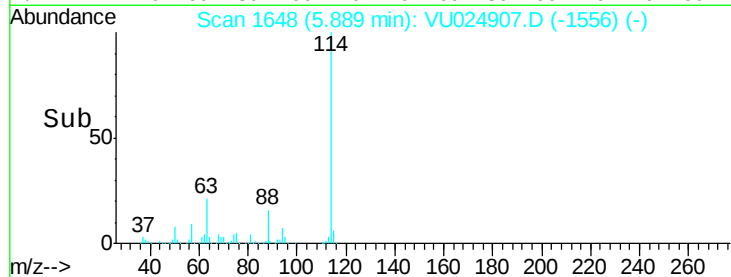
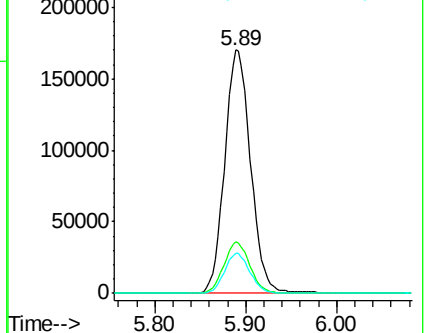
88 16.3 0.0 31.0



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: 45.99 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024907.D

Acq: 26 Jun 2018 04:39

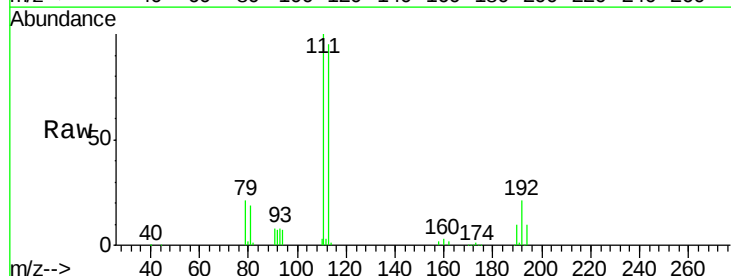
Tgt Ion:113 Resp: 128310

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

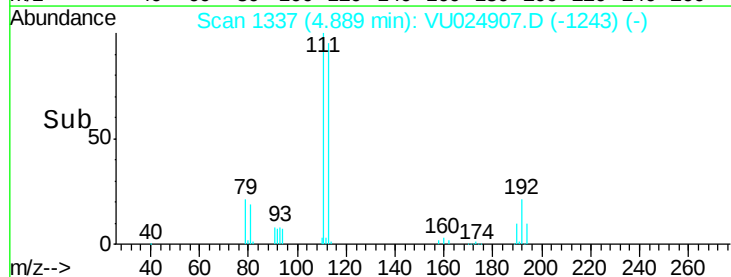
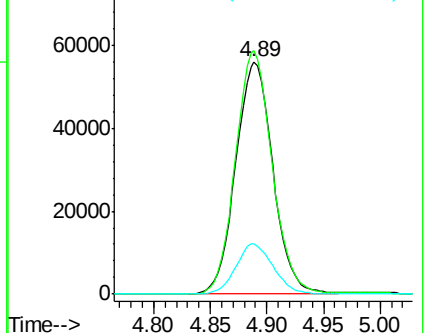
192 21.7 16.2 24.4

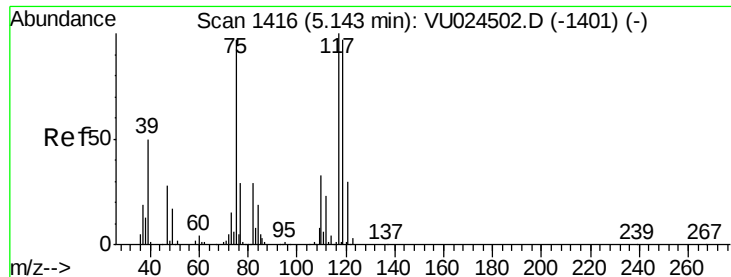


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.11 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024907.D

Acq: 26 Jun 2018 04:39

Instrument :
MSVOA_U
ClientSampled :

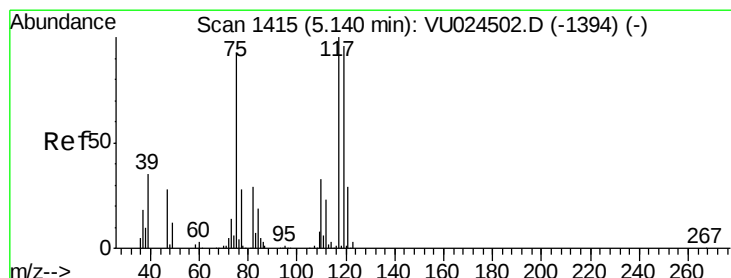
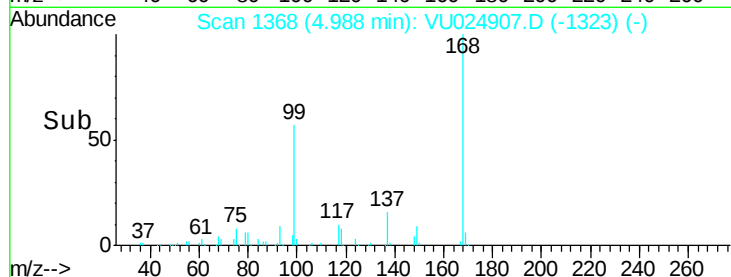
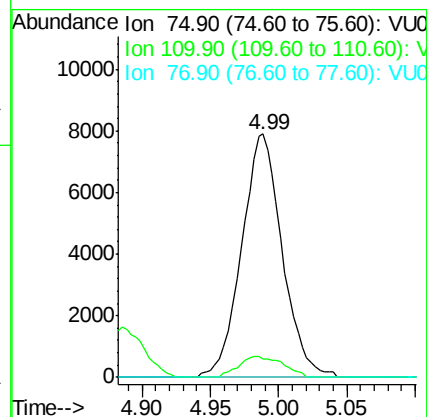
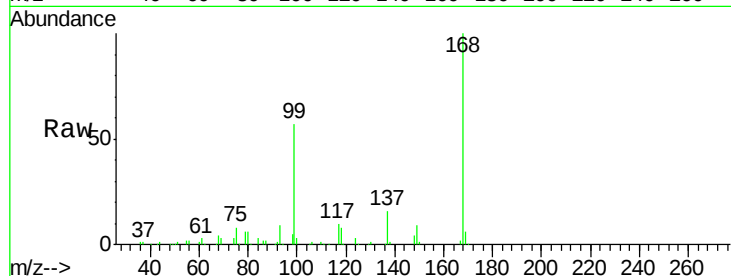
Tot Ion: 75 Resp: 16236

Ion Ratio Lower Upper

75 100

110 9.3 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.83 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024907.D

Acq: 26 Jun 2018 04:39

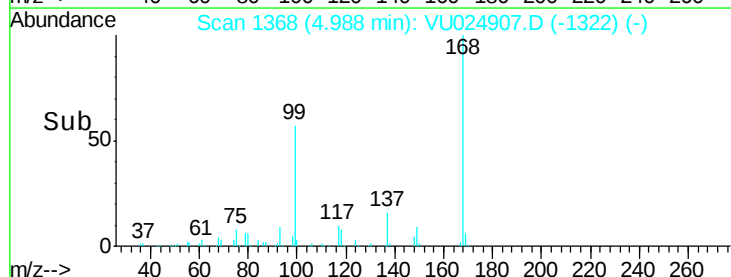
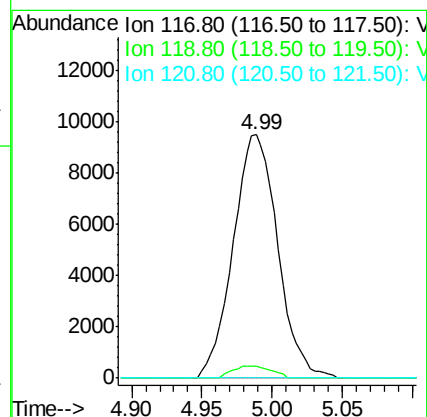
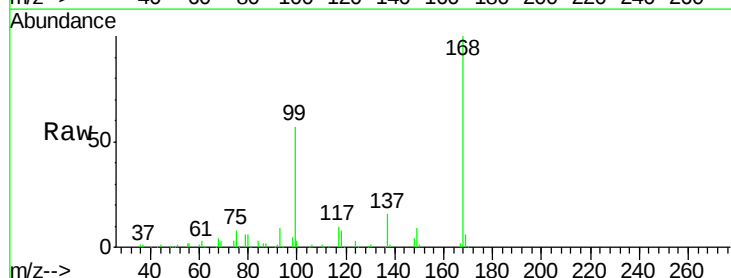
Tgt Ion: 117 Resp: 20971

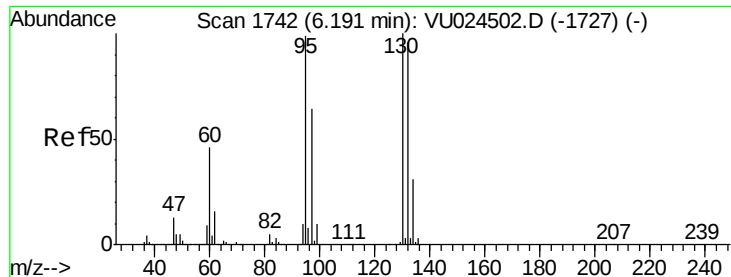
Ion Ratio Lower Upper

117 100

119 4.7 76.1 114.1#

121 0.0 23.7 35.5#





#44

Trichloroethene

Concen: 6.09 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024907.D

Acq: 26 Jun 2018 04:39

Instrument :

MSVOA_U

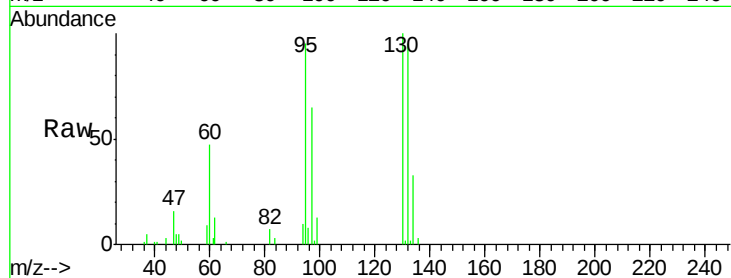
ClientSampled :

Tot Ion:130 Resp: 19517

Ion Ratio Lower Upper

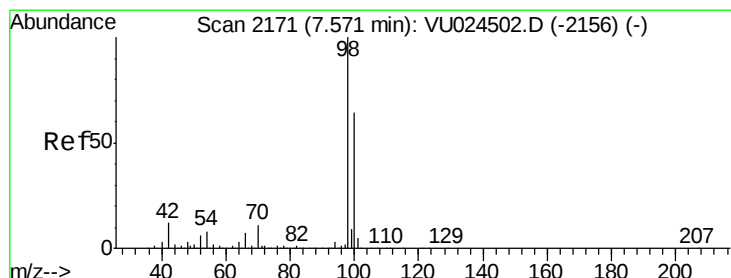
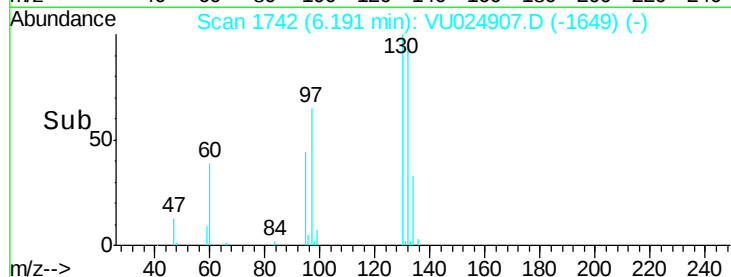
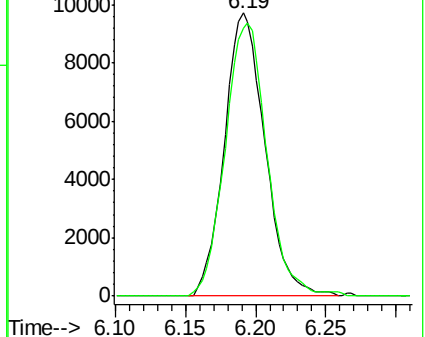
130 100

95 94.7 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 47.74 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024907.D

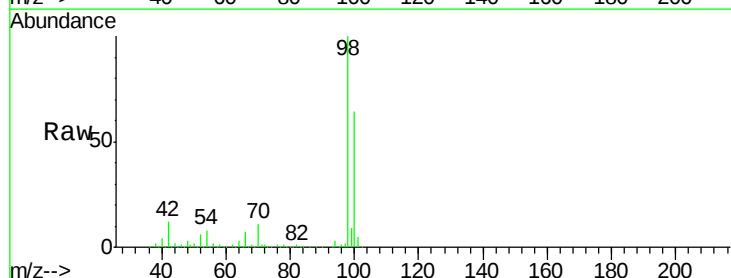
Acq: 26 Jun 2018 04:39

Tgt Ion: 98 Resp: 485815

Ion Ratio Lower Upper

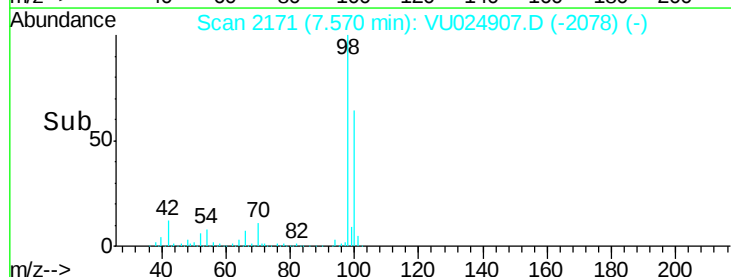
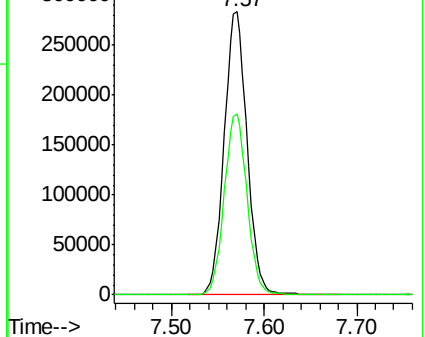
98 100

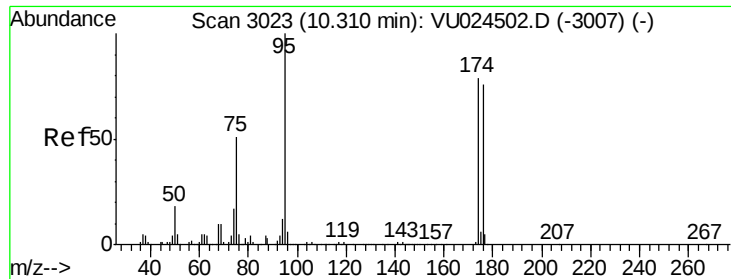
100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

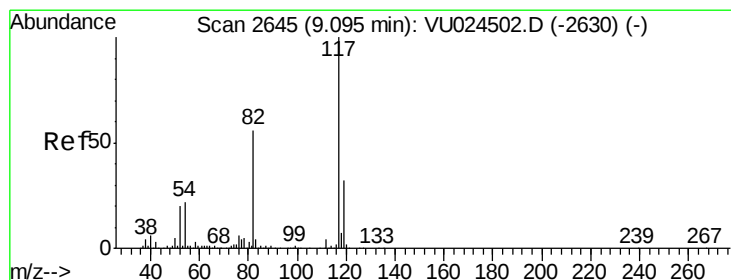
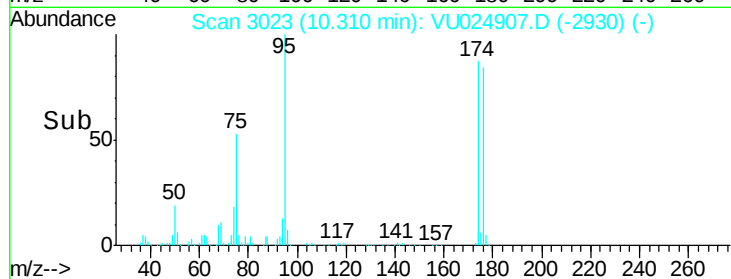
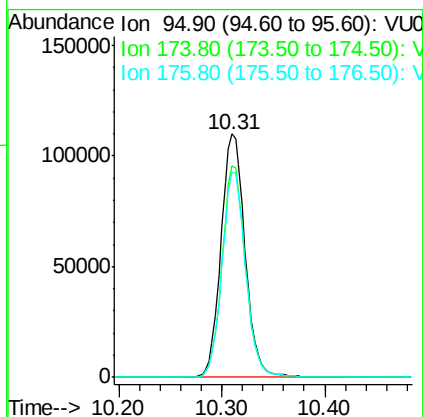
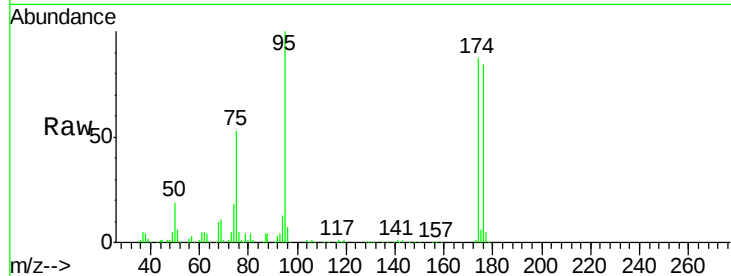




#62
4-Bromofluorobenzene
Concen: 44.26 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024907.D
Acq: 26 Jun 2018 04:39

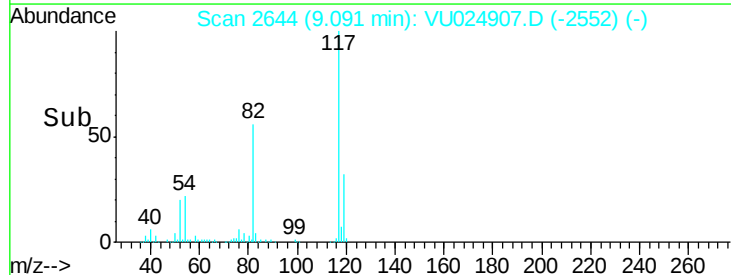
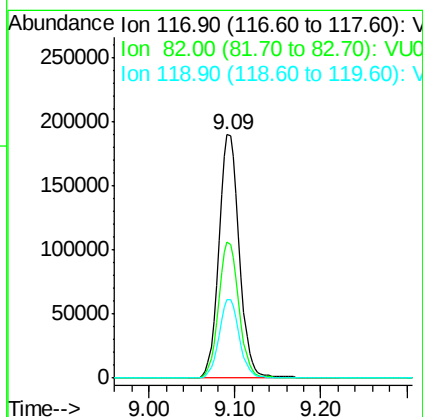
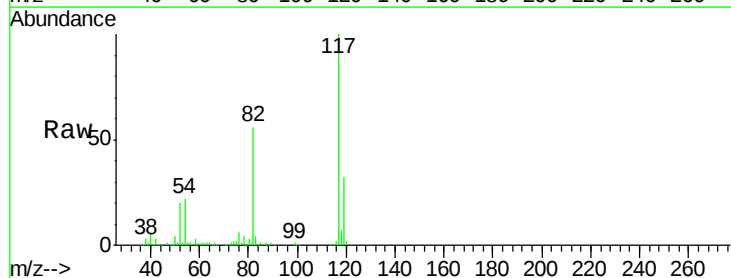
Instrument :
MSVOA_U
ClientSampled :

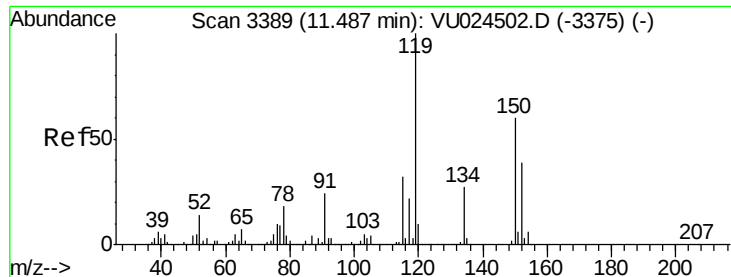
Tot Ion	95	Resp	178814
Ion Ratio	Lower	Upper	
95	100		
174	84.8	0.0	165.8
176	83.2	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024907.D
Acq: 26 Jun 2018 04:39

Tgt Ion	117	Resp	313518
Ion Ratio	Lower	Upper	
117	100		
82	55.7	44.3	66.5
119	32.3	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024907.D

Acq: 26 Jun 2018 04:39

Instrument :

MSVOA_U

ClientSampleId :

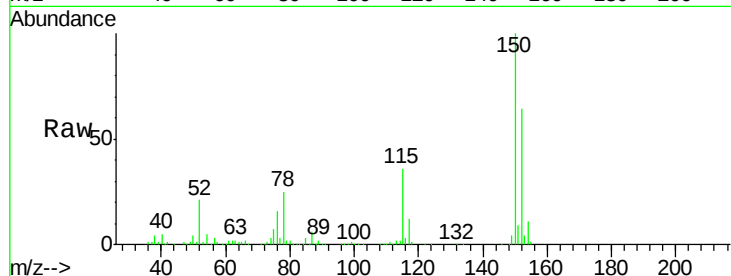
Tot Ion:152 Resp: 167401

Ion Ratio Lower Upper

152 100

115 56.5 43.0 129.0

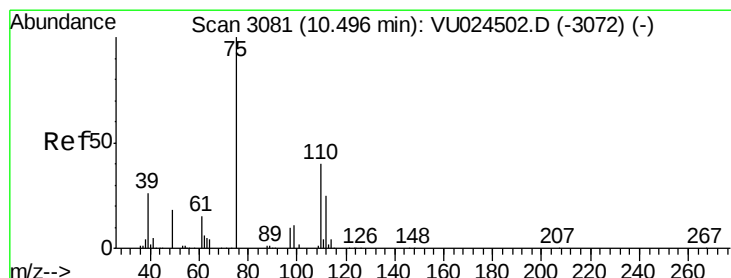
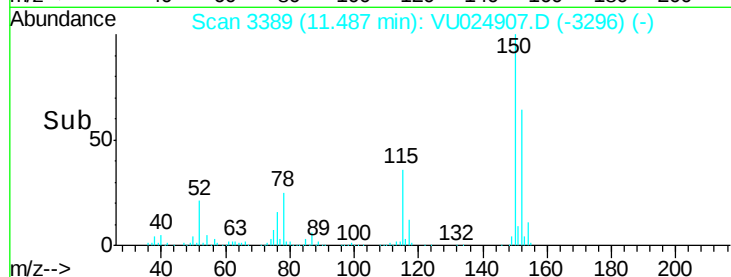
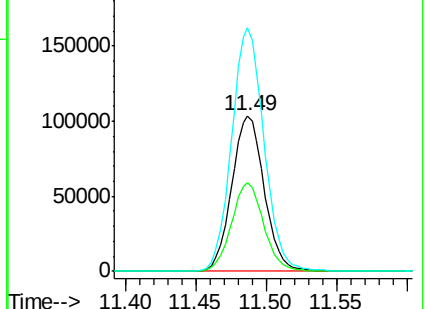
150 156.0 0.0 354.0



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: 25.50 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024907.D

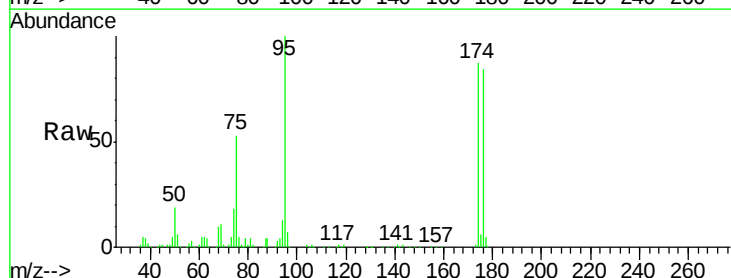
Acq: 26 Jun 2018 04:39

Tgt Ion: 75 Resp: 93989

Ion Ratio Lower Upper

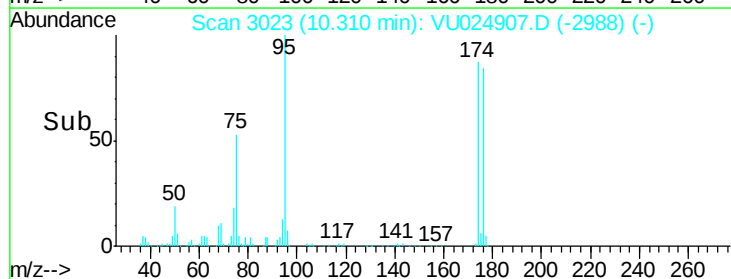
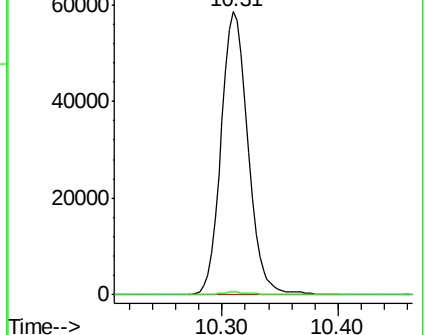
75 100

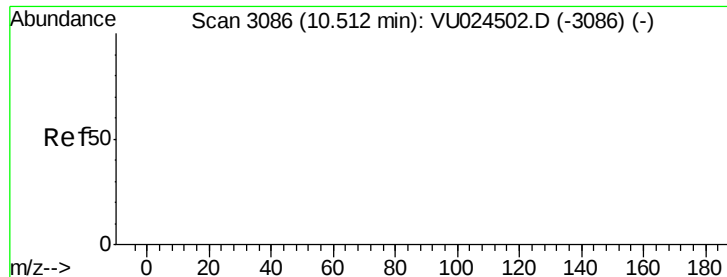
77 1.2 20.9 62.7#



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: 59.02 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024907.D

Acq: 26 Jun 2018 04:39

Instrument :

MSVOA_U

ClientSampleId :

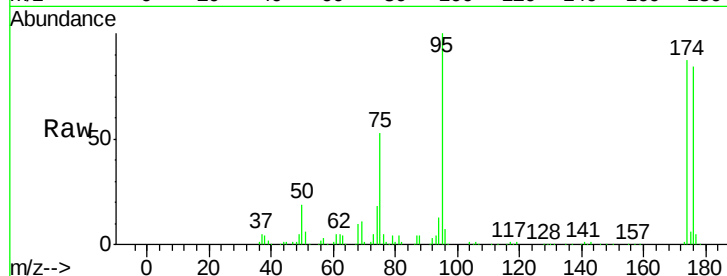
Tot Ion: 75 Resp: 93989

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

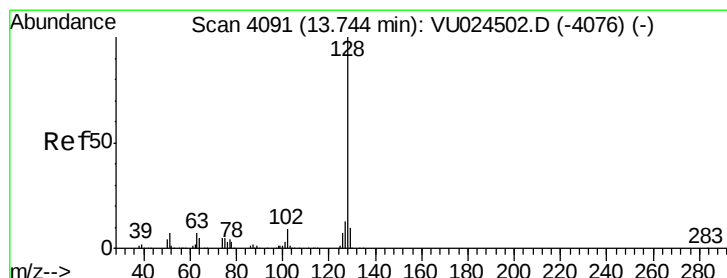
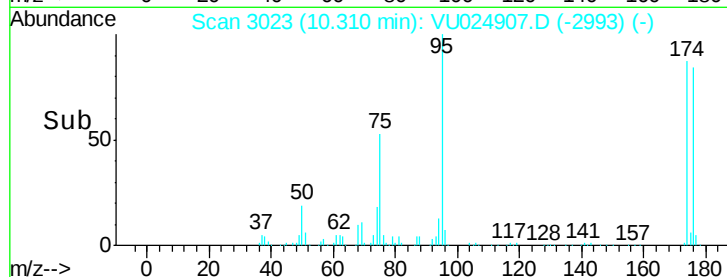
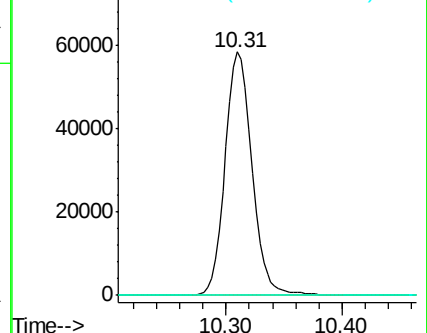
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#95

Naphthalene

Concen: 0.68 ug/l

RT: 13.78 min Scan# 4101

Delta R.T. 0.03 min

Lab File: VU024907.D

Acq: 26 Jun 2018 04:39

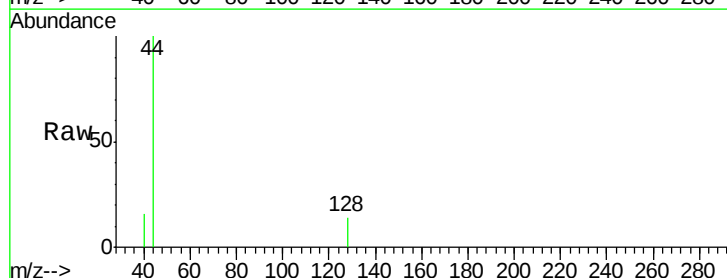
Tgt Ion: 128 Resp: 46

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): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

