

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024808.D
 Acq On : 21 Jun 2018 14:03
 Operator : MD/SY
 Sample : J3561-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-TB-2018-1

Quant Time: Jun 21 15:23:59 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	199254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	307962	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	282838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155588	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	141580	43.52	ug/l	0.00
Spiked Amount			Recovery	=	87.04%	
35) Dibromofluoromethane	4.89	113	119394	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
50) Toluene-d8	7.57	98	437207	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
62) 4-Bromofluorobenzene	10.31	95	162832	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	

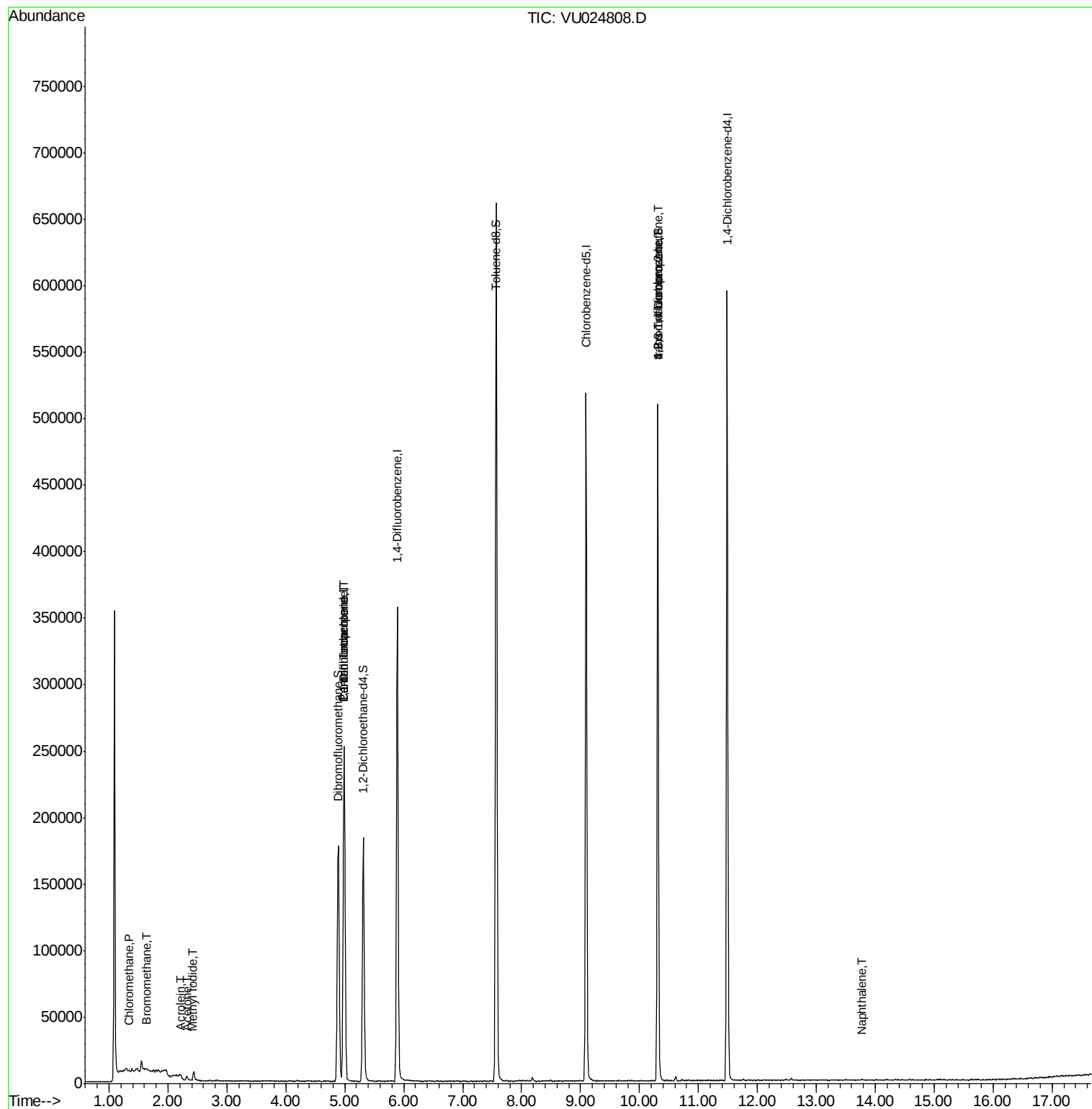
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1067	0.42	ug/l	92
5) Bromomethane	1.64	94	665	0.52	ug/l	# 75
6) Chloroethane	1.73	64	48	Below Cal	#	43
10) Methyl Iodide	2.41	142	312	5.42	ug/l	# 40
13) Acrolein	2.20	56	426	1.03	ug/l	# 13
16) Acetone	2.32	43	3417	1.96	ug/l	97
31) Cyclohexane	4.99	56	3915	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14761	4.08	ug/l	# 50
38) Carbon Tetrachloride	4.99	117	18036	4.53	ug/l	# 15
76) 1,2,3-Trichloropropane	10.31	75	83756	24.45	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	10.31	75	83756	56.59	ug/l	# 100
95) Naphthalene	13.77	128	541	0.73	ug/l	# 69

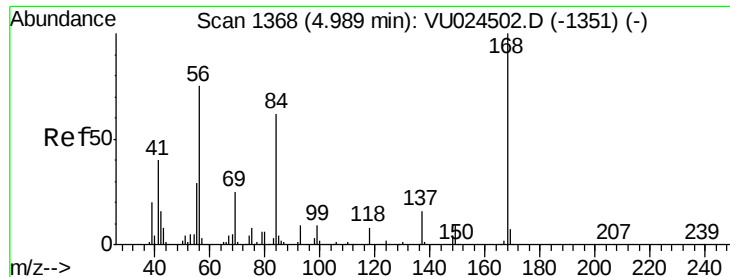
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024808.D

Acq: 21 Jun 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

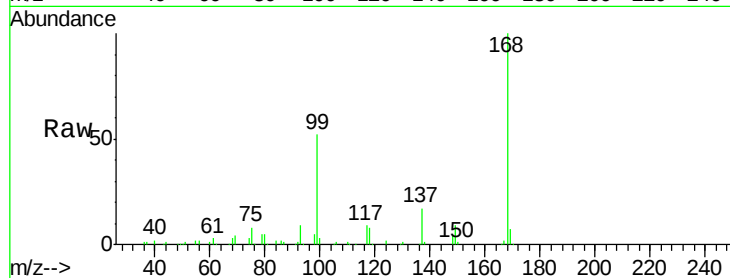
S32-TB-2018-1

Tot Ion:168 Resp: 199254

Ion Ratio Lower Upper

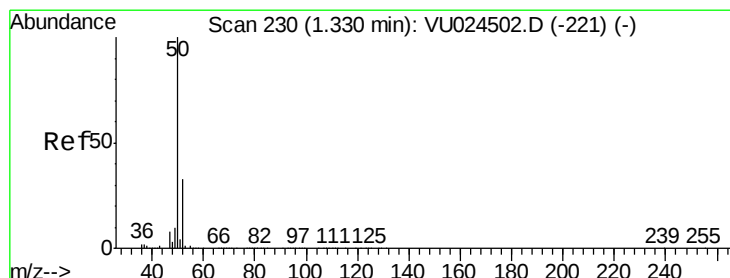
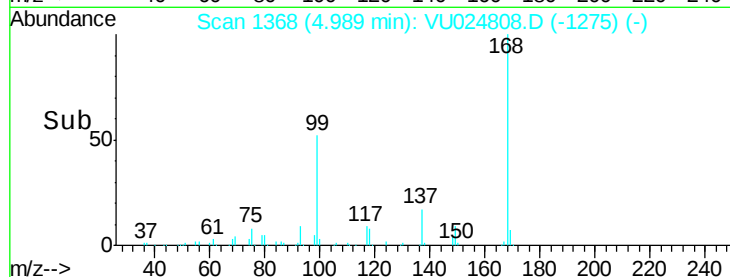
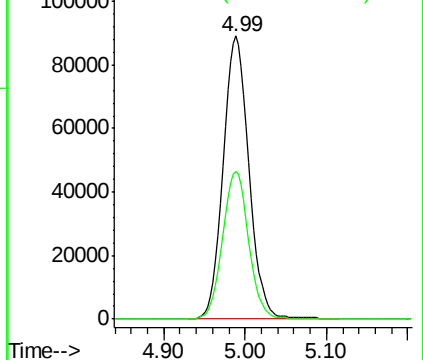
168 100

99 52.4 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024808.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024808.D (-1275) (-)



#3

Chloromethane

Concen: 0.42 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024808.D

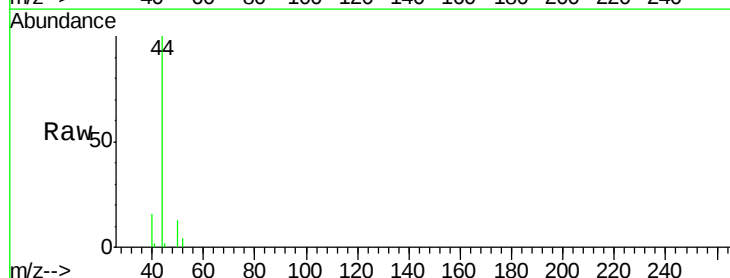
Acq: 21 Jun 2018 14:03

Tgt Ion: 50 Resp: 1067

Ion Ratio Lower Upper

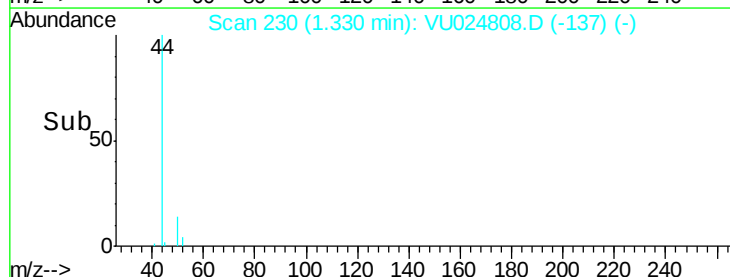
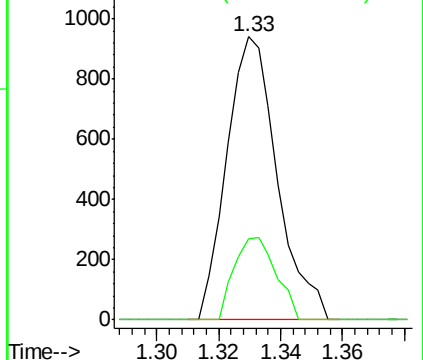
50 100

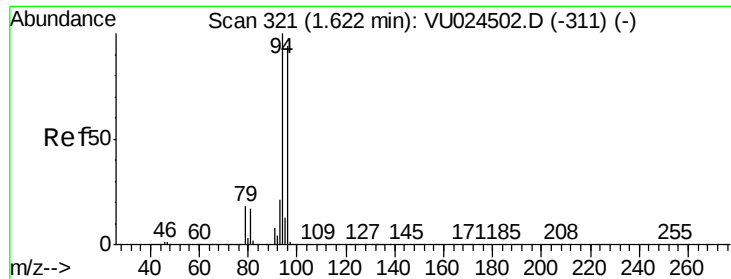
52 28.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024808.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024808.D (-137) (-)





#5

Bromomethane

Concen: 0.52 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024808.D

Acq: 21 Jun 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

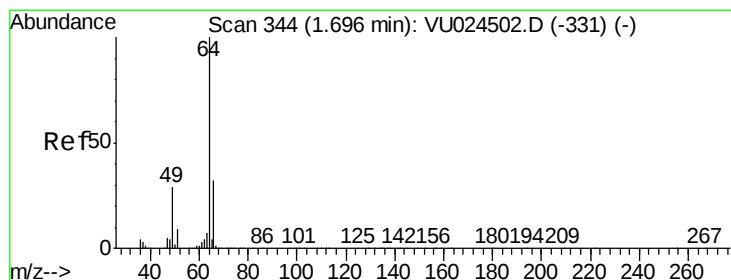
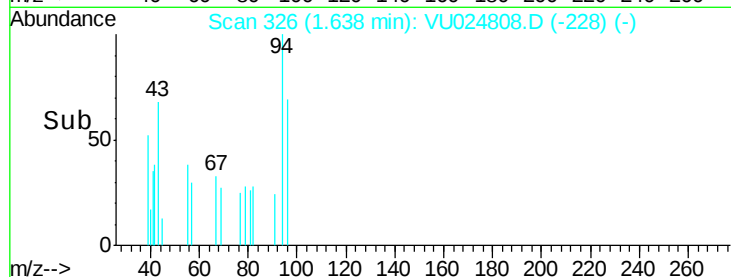
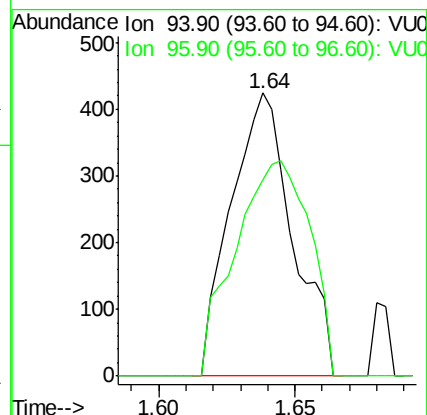
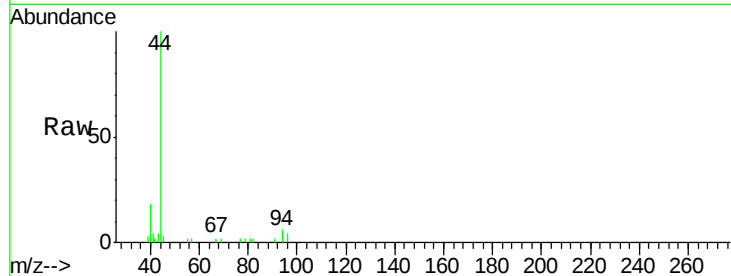
S32-TB-2018-1

Tot Ion: 94 Resp: 665

Ion Ratio Lower Upper

94 100

96 69.3 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 354

Delta R.T. 0.03 min

Lab File: VU024808.D

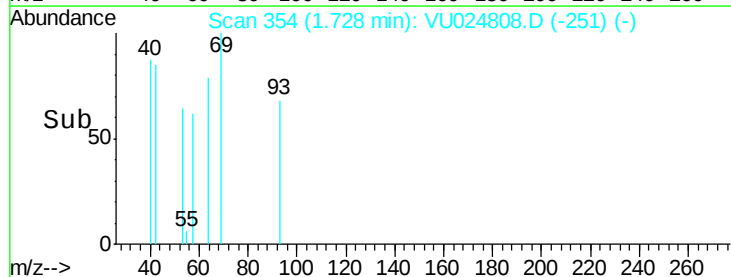
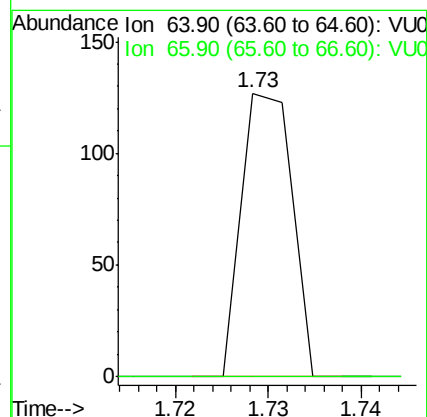
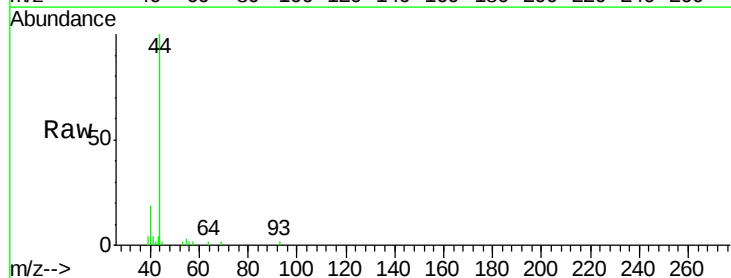
Acq: 21 Jun 2018 14:03

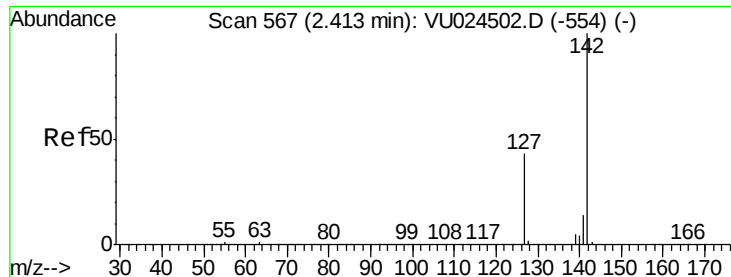
Tgt Ion: 64 Resp: 48

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

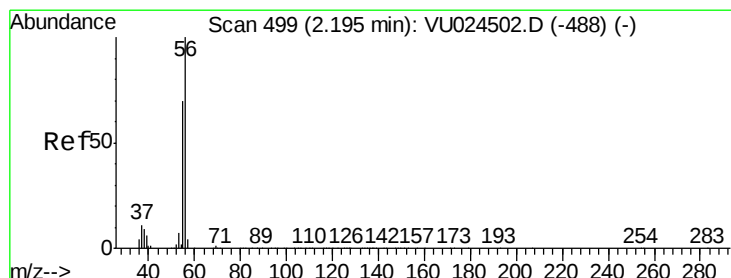
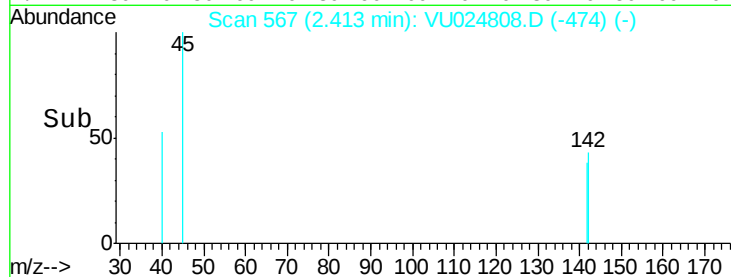
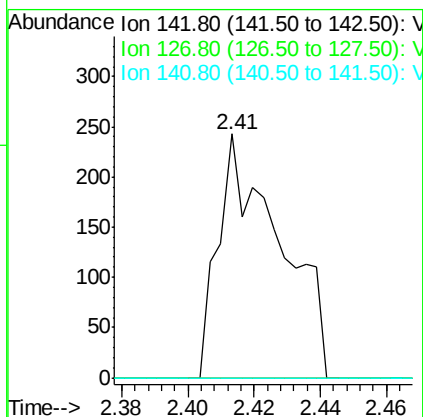
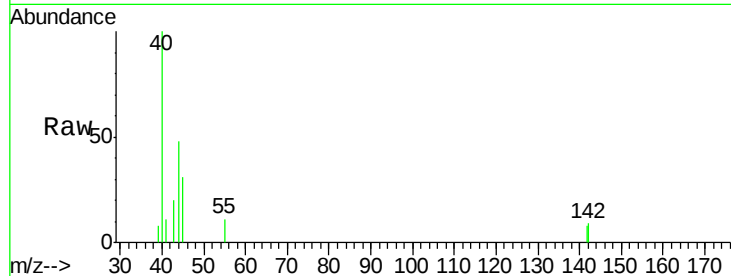




#10
Methvl Iodide
Concen: 5.42 ug/l
RT: 2.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU024808.D
Acq: 21 Jun 2018 14:03

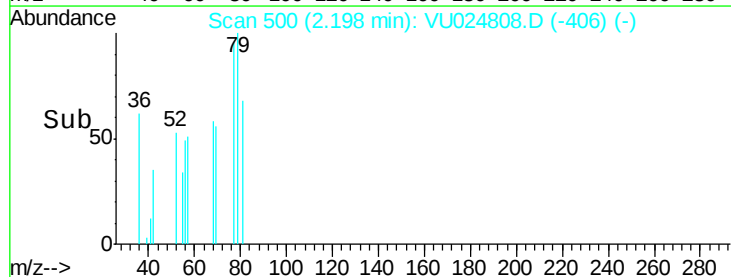
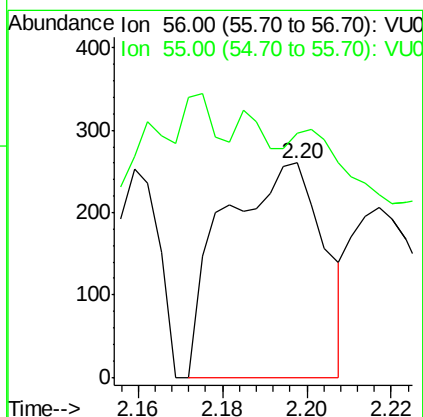
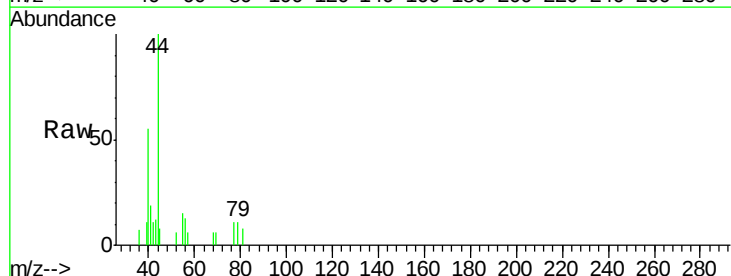
Instrument :
MSVOA_U
ClientSampleId :
S32-TB-2018-1

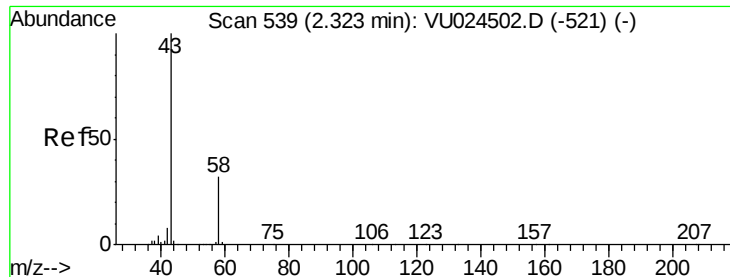
Tot Ion:142 Resp: 312
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#13
Acrolein
Concen: 1.03 ug/l
RT: 2.20 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU024808.D
Acq: 21 Jun 2018 14:03

Tgt Ion: 56 Resp: 426
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#





#16

Acetone

Concen: 1.96 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024808.D

Acq: 21 Jun 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

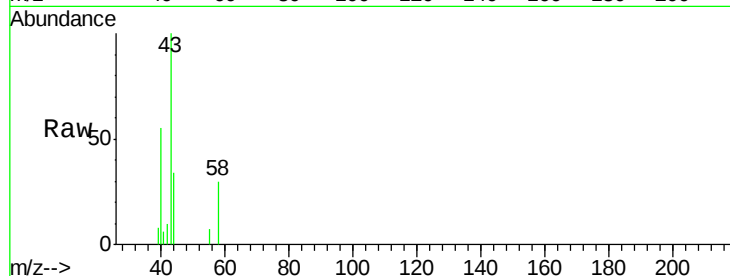
S32-TB-2018-1

Tot Ion: 43 Resp: 3417

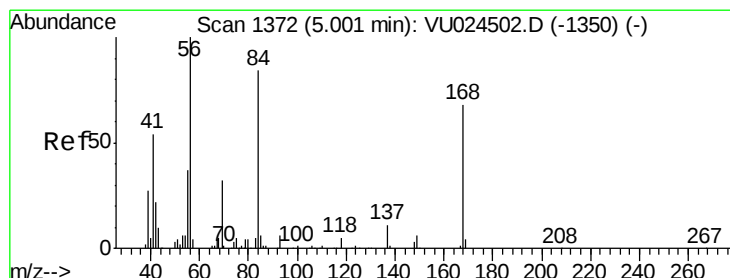
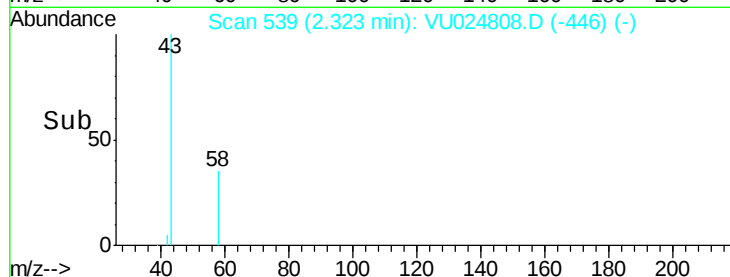
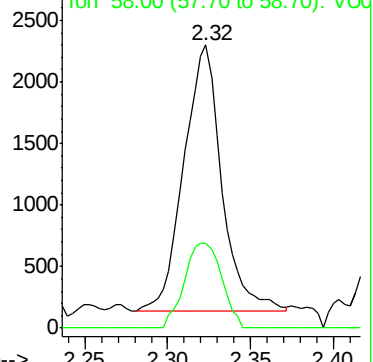
Ion Ratio Lower Upper

43 100

58 32.1 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024808.D (-446) (-)



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU024808.D

Acq: 21 Jun 2018 14:03

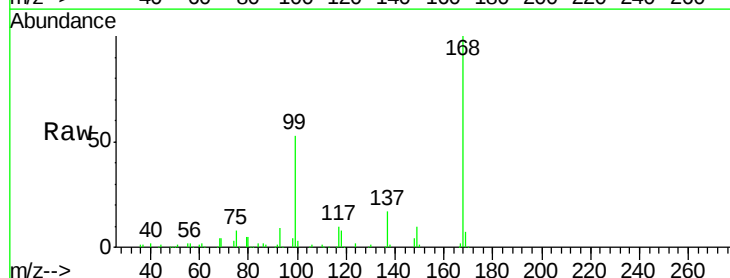
Tgt Ion: 56 Resp: 3915

Ion Ratio Lower Upper

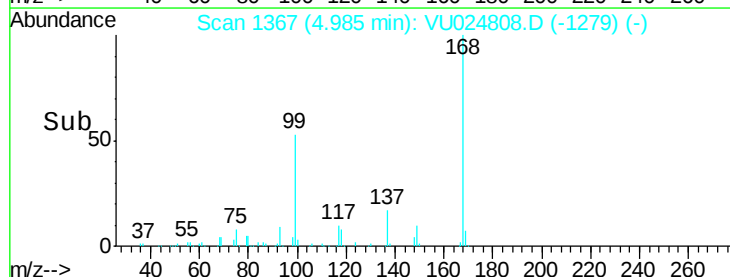
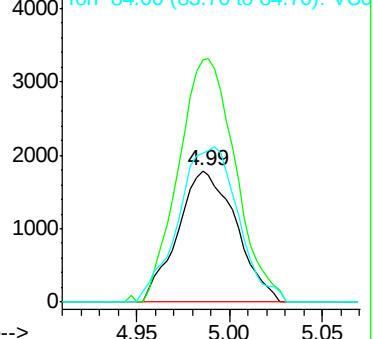
56 100

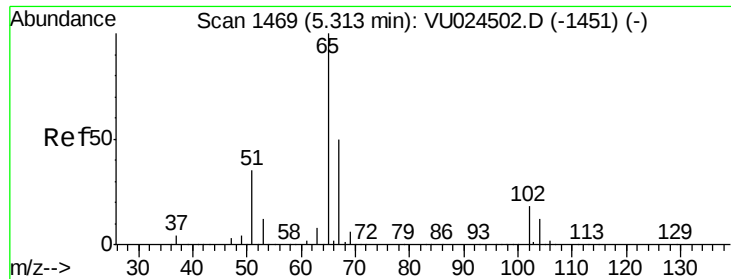
69 184.6 24.8 37.2#

84 113.0 65.2 97.8#



Abundance Ion 56.00 (55.70 to 56.70): VU024808.D (-1279) (-)





#33

1,2-Dichloroethane-d4

Concen: 43.52 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024808.D

Acq: 21 Jun 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

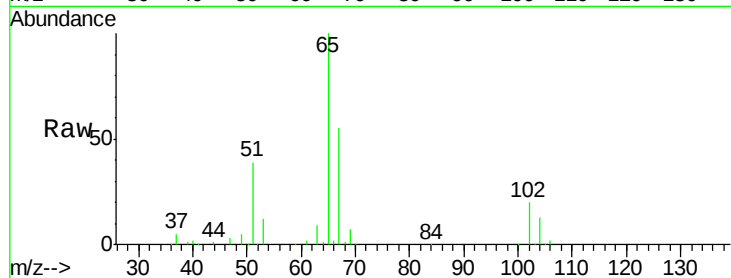
S32-TB-2018-1

Tot Ion: 65 Resp: 141580

Ion Ratio Lower Upper

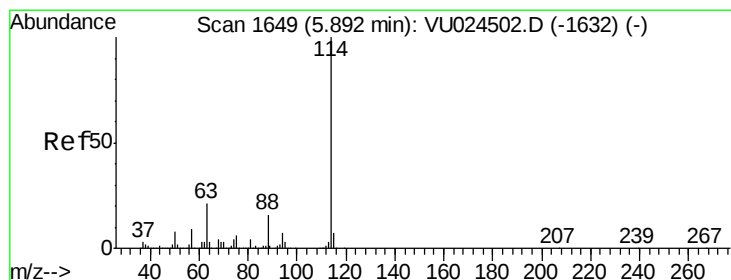
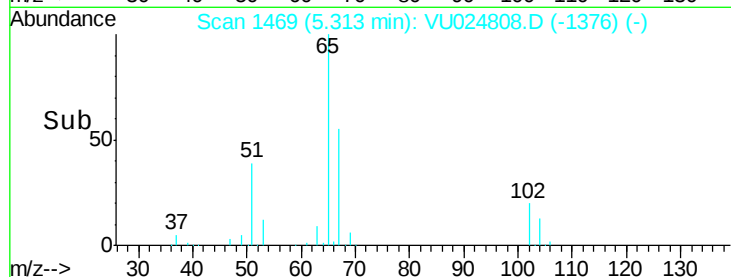
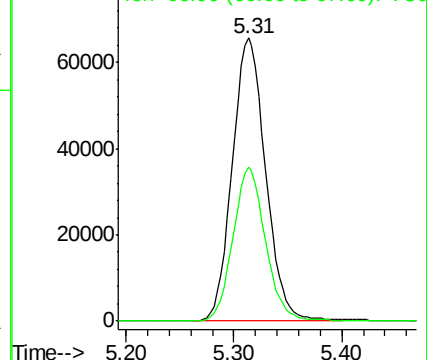
65 100

67 52.9 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# 1649

Delta R.T. -0.00 min

Lab File: VU024808.D

Acq: 21 Jun 2018 14:03

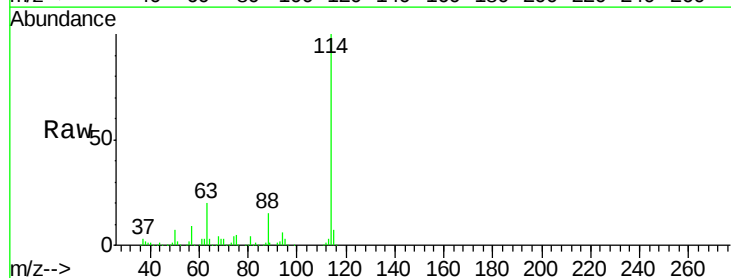
Tgt Ion: 114 Resp: 307962

Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.4

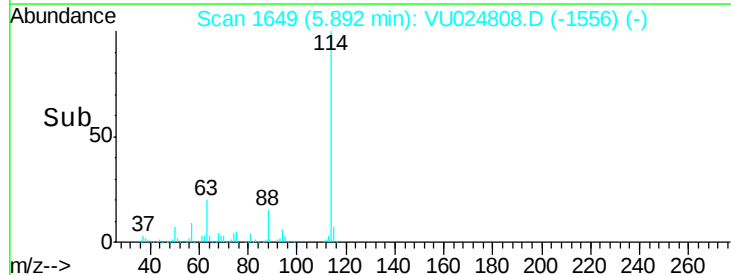
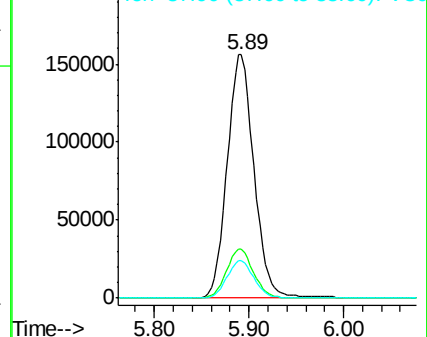
88 15.4 0.0 31.0

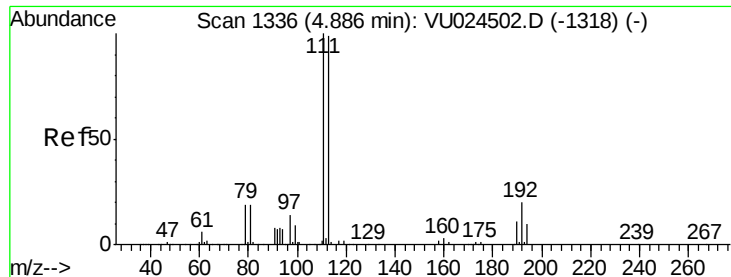


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0





#35

Dibromofluoromethane

Concen: 46.71 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU024808.D

Acq: 21 Jun 2018 14:03

Instrument :

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ClientSampleId :

S32-TB-2018-1

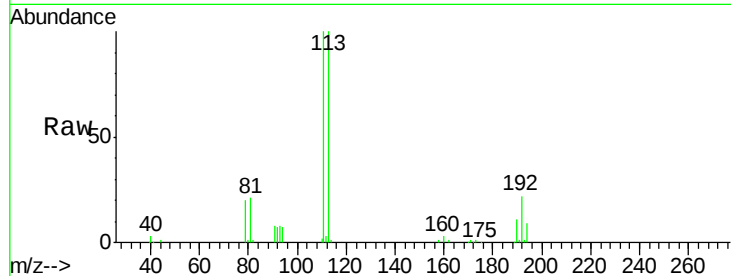
Tot Ion:113 Resp: 119394

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

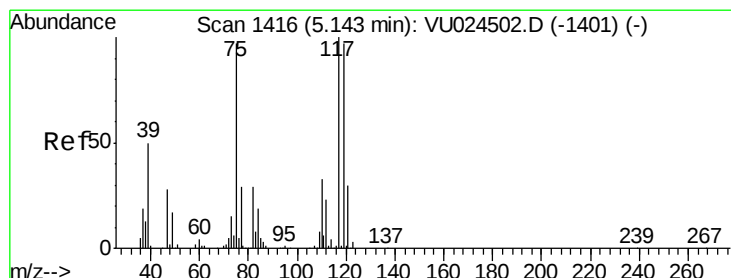
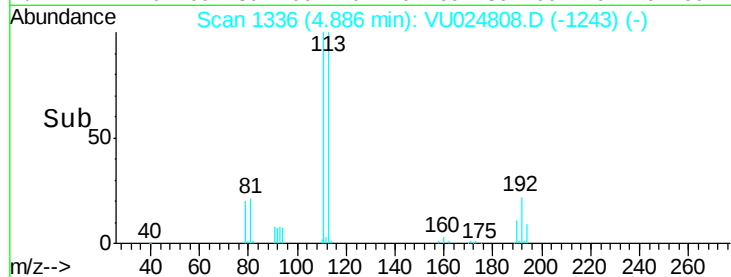
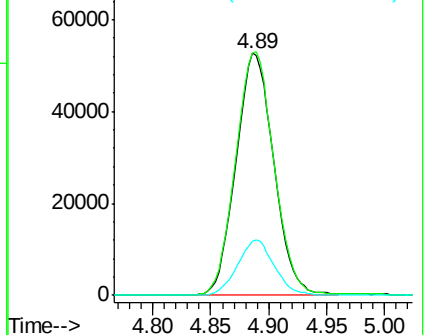
192 22.1 16.2 24.4



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: 4.08 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024808.D

Acq: 21 Jun 2018 14:03

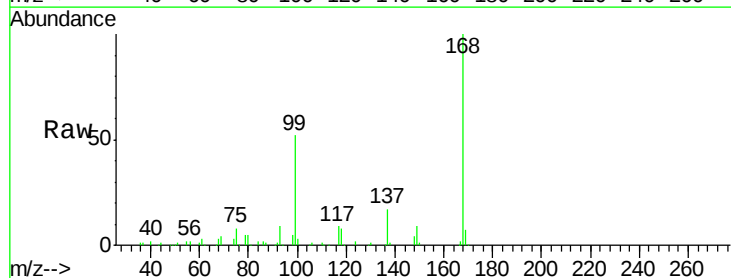
Tgt Ion: 75 Resp: 14761

Ion Ratio Lower Upper

75 100

110 7.9 17.0 50.9#

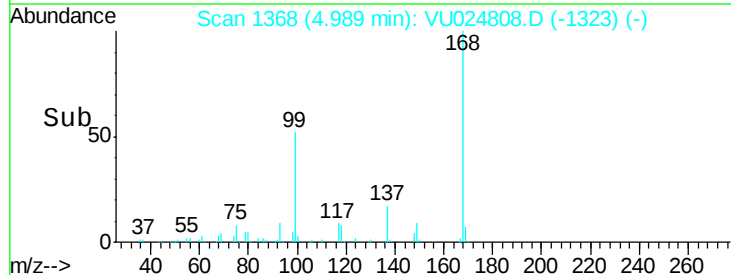
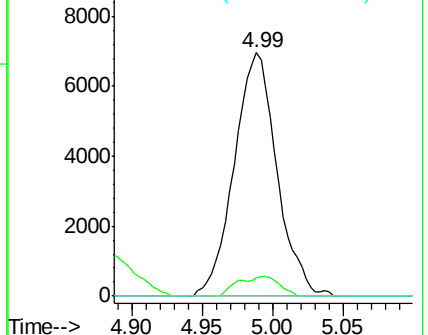
77 0.0 24.2 36.4#

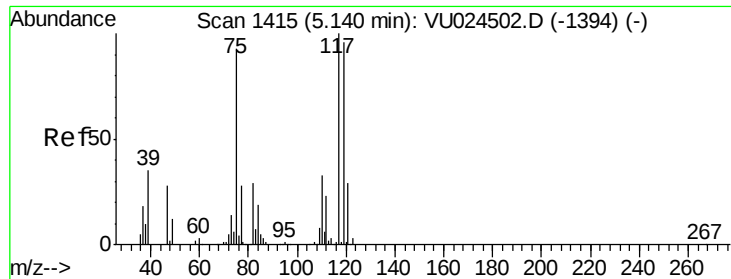


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

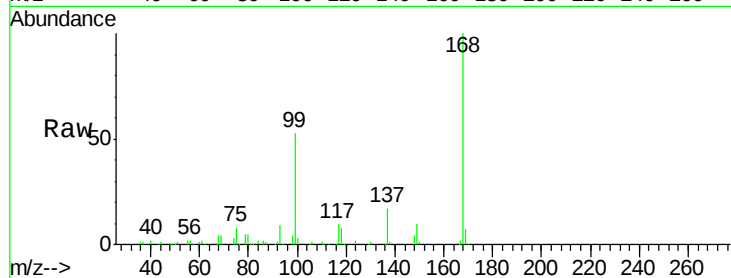




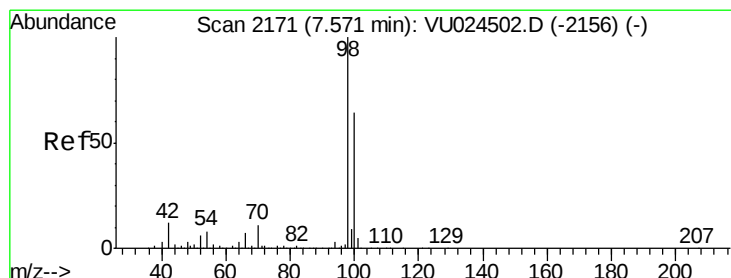
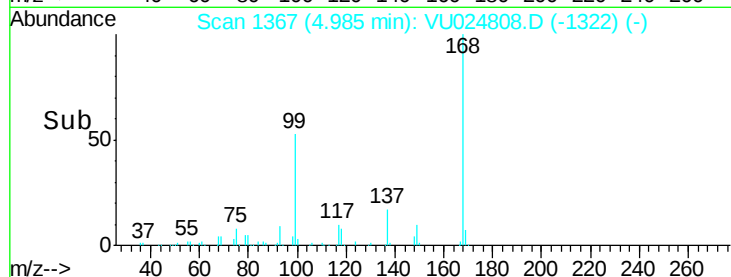
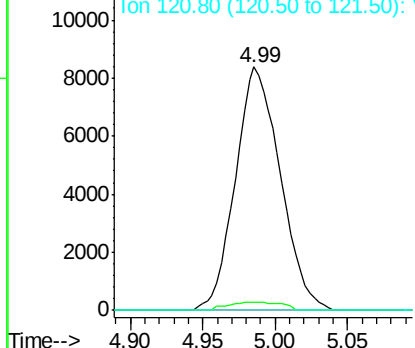
#38
Carbon Tetrachloride
Concen: 4.53 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.15 min
Lab File: VU024808.D
Acq: 21 Jun 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
S32-TB-2018-1

Tot Ion:117 Resp: 18036
Ion Ratio Lower Upper
117 100
119 3.4 76.1 114.1#
121 0.0 23.7 35.5#

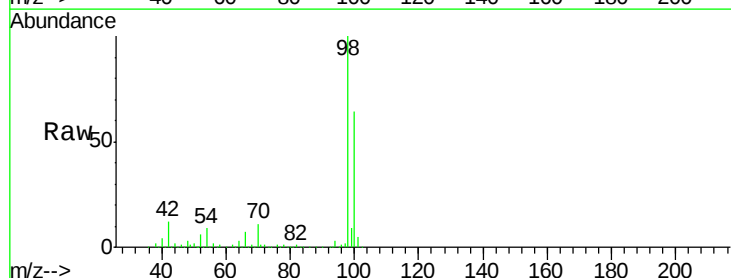


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

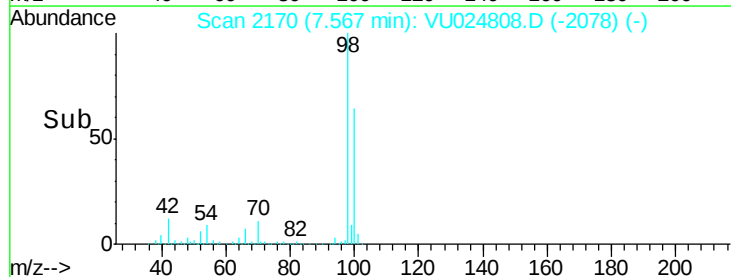
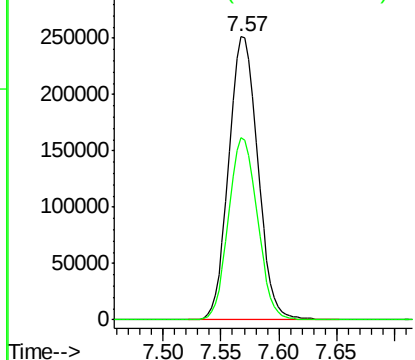


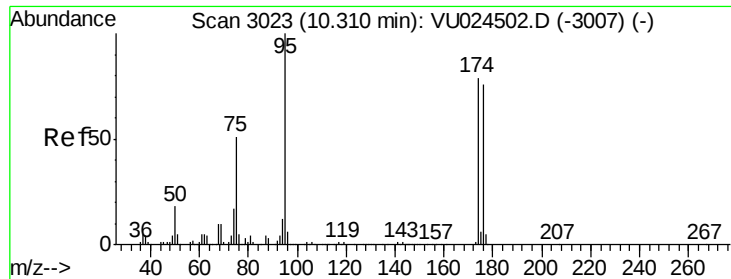
#50
Toluene-d8
Concen: 46.90 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024808.D
Acq: 21 Jun 2018 14:03

Tgt Ion: 98 Resp: 437207
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

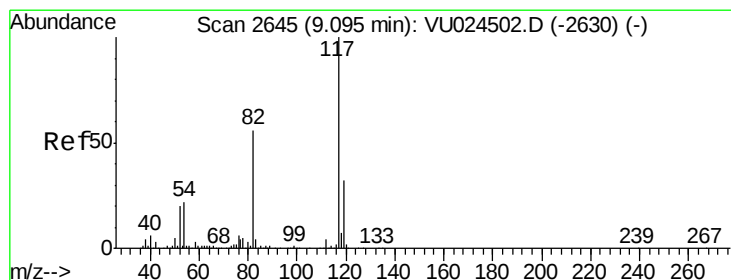
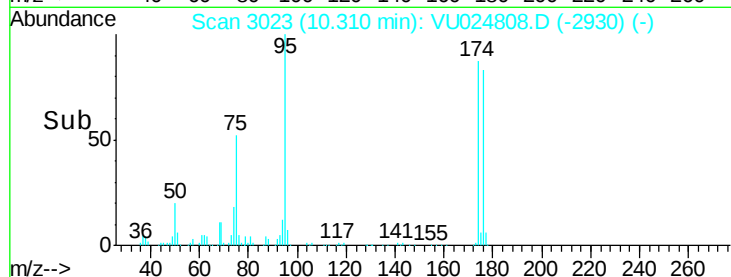
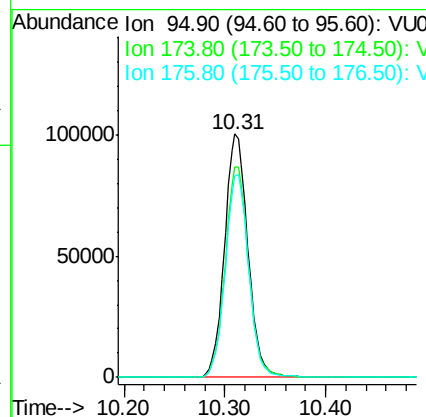
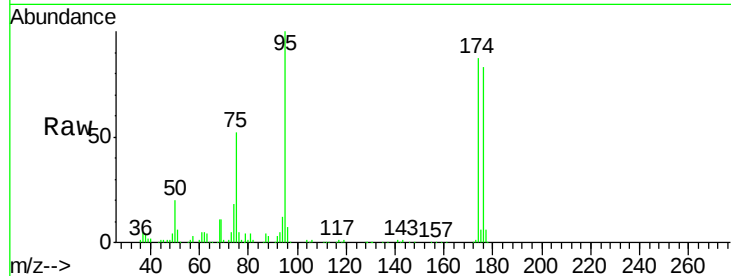




#62
4-Bromofluorobenzene
Concen: 43.99 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024808.D
Acq: 21 Jun 2018 14:03

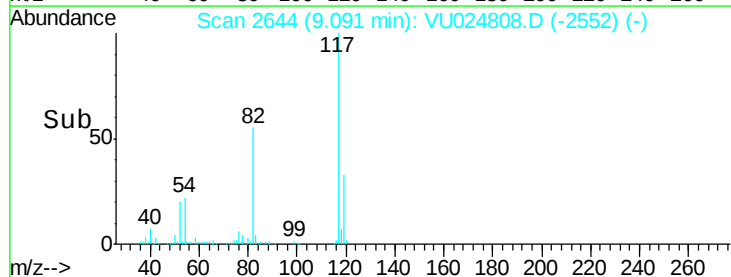
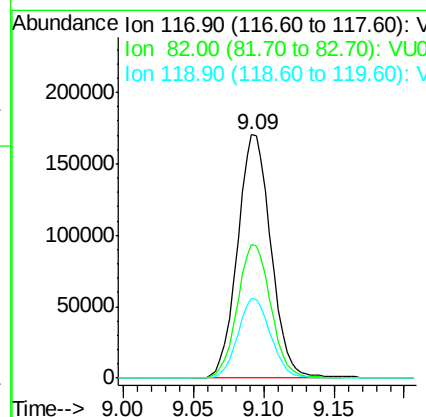
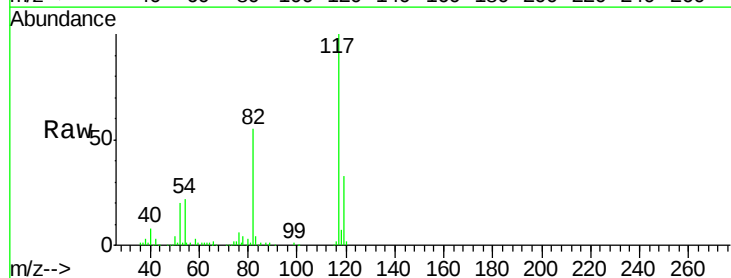
Instrument :
MSVOA_U
ClientSampleId :
S32-TB-2018-1

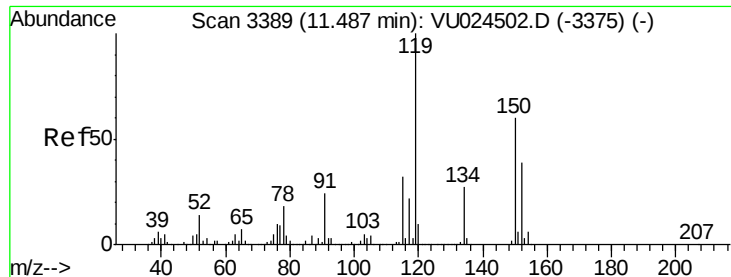
Tot Ion: 95 Resp: 162832
Ion Ratio Lower Upper
95 100
174 86.5 0.0 165.8
176 83.7 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024808.D
Acq: 21 Jun 2018 14:03

Tgt Ion: 117 Resp: 282838
Ion Ratio Lower Upper
117 100
82 54.6 44.3 66.5
119 32.7 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: VU024808.D

Acq: 21 Jun 2018 14:03

Instrument :

MSVOA_U

ClientSampleId :

S32-TB-2018-1

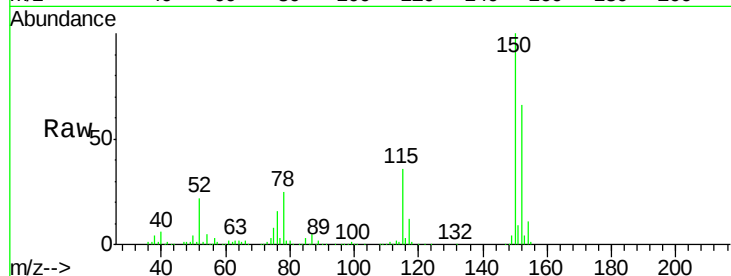
Tot Ion:152 Resp: 155588

Ion Ratio Lower Upper

152 100

115 56.9 43.0 129.0

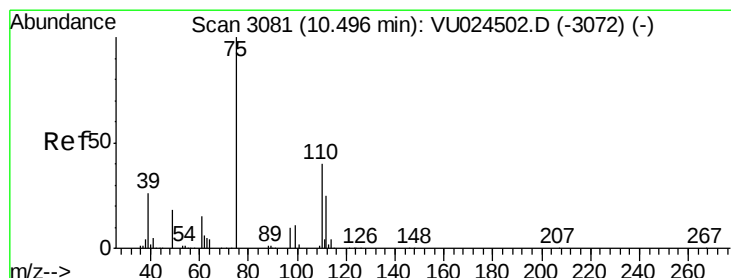
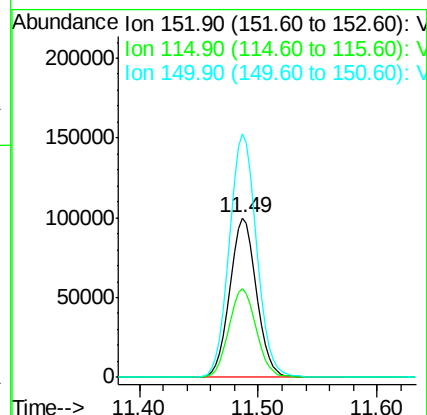
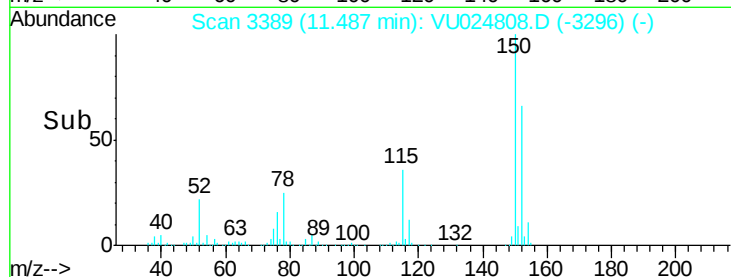
150 155.9 0.0 354.0



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: 24.45 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024808.D

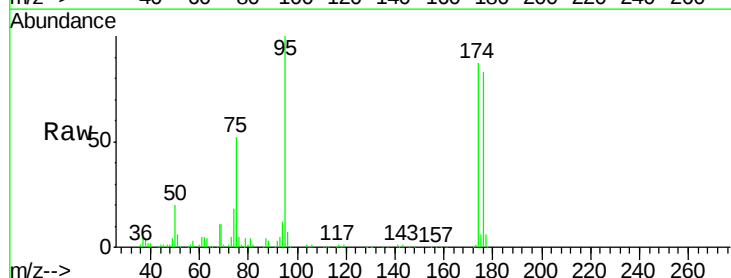
Acq: 21 Jun 2018 14:03

Tgt Ion: 75 Resp: 83756

Ion Ratio Lower Upper

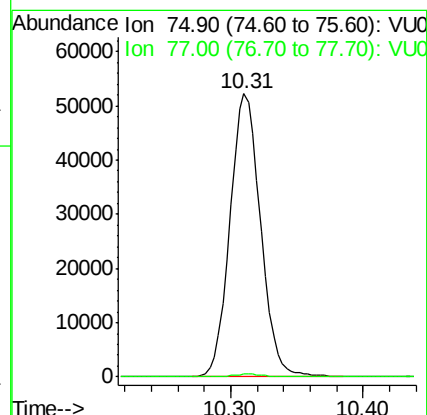
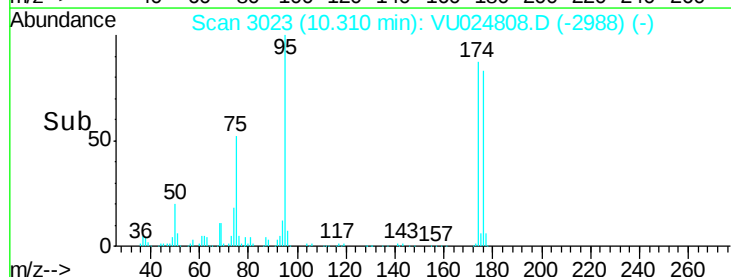
75 100

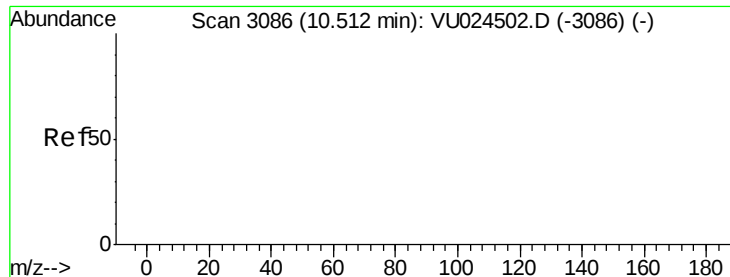
77 0.9 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

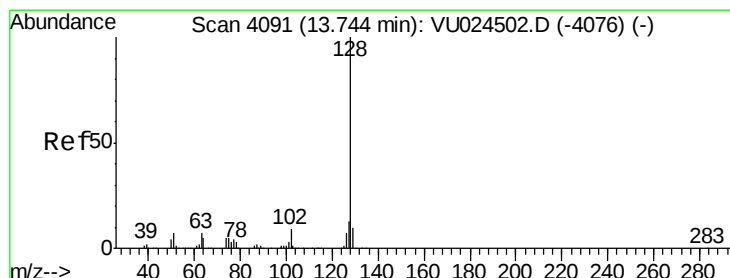
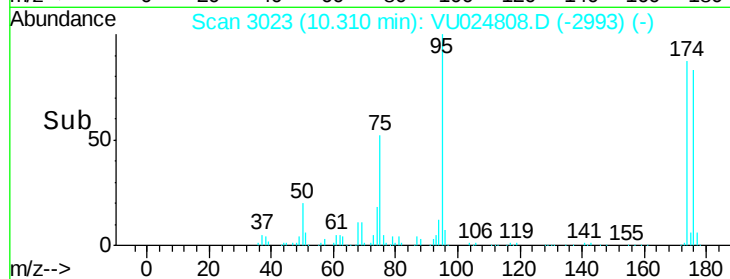
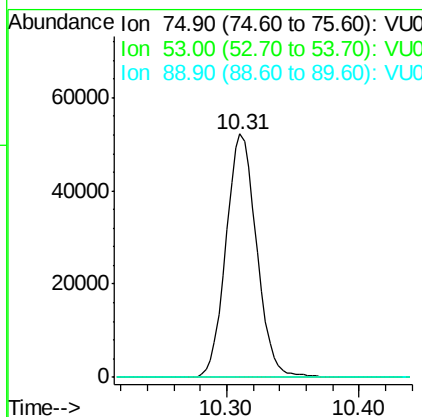
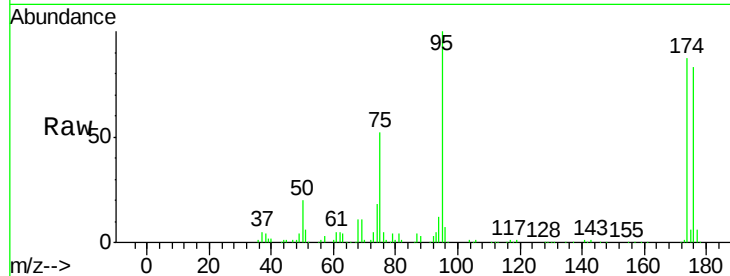




#81
trans-1,4-Dichloro-2-butene
Concen: 56.59 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024808.D
Acq: 21 Jun 2018 14:03

Instrument :
MSVOA_U
ClientSampleId :
S32-TB-2018-1

Tot Ion: 75 Resp: 83756
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 0.73 ug/l
RT: 13.77 min Scan# 4098
Delta R.T. 0.02 min
Lab File: VU024808.D
Acq: 21 Jun 2018 14:03

Tgt Ion:128 Resp: 541
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

