

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024809.D
 Acq On : 21 Jun 2018 14:27
 Operator : MD/SY
 Sample : J3561-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jun 21 15:24:09 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

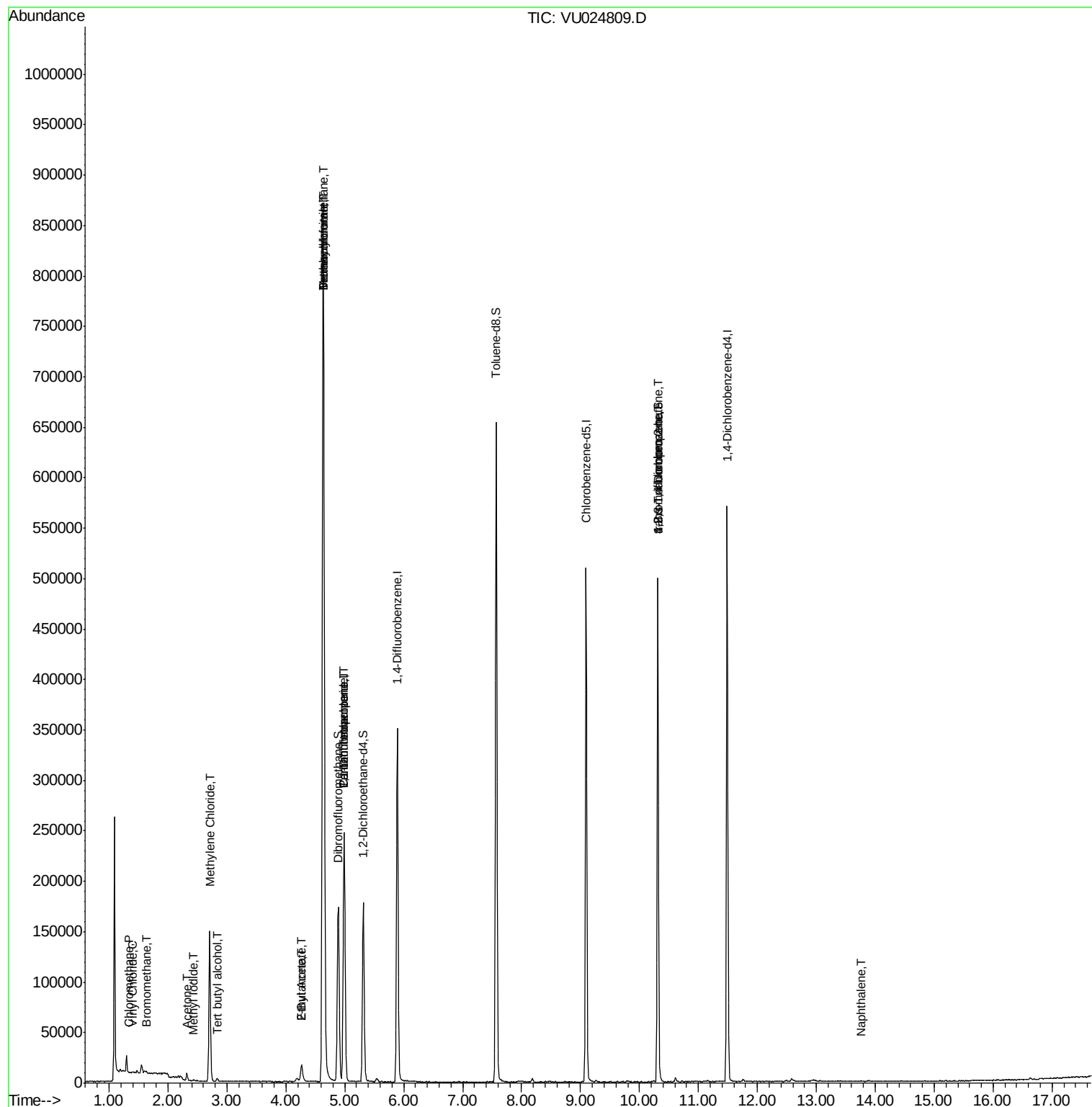
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299968	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149527	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	139117	43.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.34%	
35) Dibromofluoromethane	4.89	113	115498	46.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.78%	
50) Toluene-d8	7.57	98	430320	47.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.78%	
62) 4-Bromofluorobenzene	10.31	95	159220	44.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.32%	
Target Compounds						
						Qvalue
3) Chloromethane	1.33	50	686	0.27	ug/l	99
4) Vinyl Chloride	1.41	62	559	0.22	ug/l #	78
5) Bromomethane	1.64	94	297	0.24	ug/l #	66
6) Chloroethane	1.69	64	94	Below Cal	#	43
10) Methyl Iodide	2.43	142	256	5.40	ug/l #	40
11) Tert butyl alcohol	2.83	59	488	0.63	ug/l #	72
16) Acetone	2.32	43	6323	3.69	ug/l #	88
20) Methylene Chloride	2.71	84	66533	24.77	ug/l	96
25) 2-Butanone	4.27	43	27977	12.17	ug/l	95
28) Bromochloromethane	4.64	49	1194	0.58	ug/l #	16
29) Tetrahydrofuran	4.63	42	645631	453.46	ug/l	97
31) Cyclohexane	4.99	56	4015	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13987	3.97	ug/l #	51
37) Ethyl Acetate	4.27	43	27977	7.28	ug/l #	70
38) Carbon Tetrachloride	4.99	117	18337	4.73	ug/l #	15
41) Methacrylonitrile	4.63	41	365501	176.45	ug/l #	46
76) 1,2,3-Trichloropropane	10.31	75	83036	25.22	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	83036	58.38	ug/l #	100
95) Naphthalene	13.76	128	467	0.72	ug/l #	69

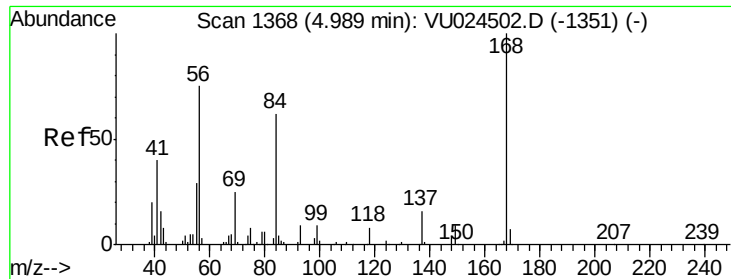
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024809.D

Acq: 21 Jun 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

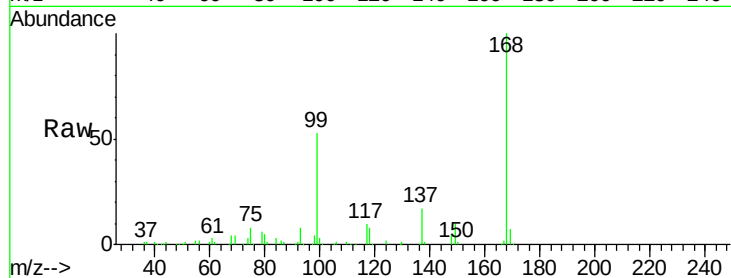
S32-EB-2018-1

Tot Ion:168 Resp: 195139

Ion Ratio Lower Upper

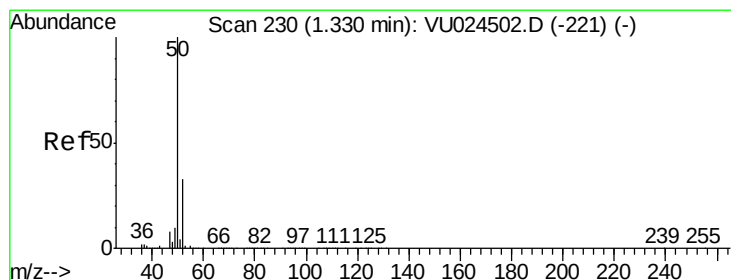
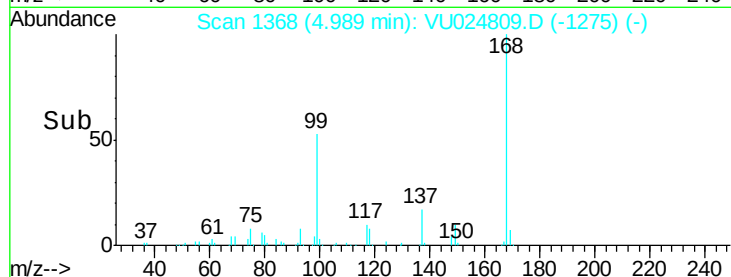
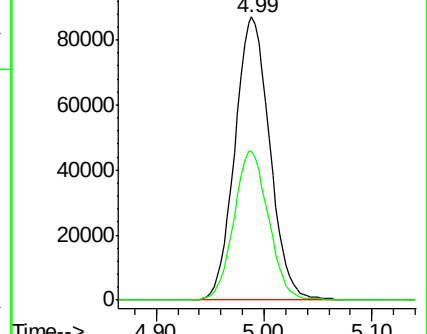
168 100

99 52.8 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: 0.27 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024809.D

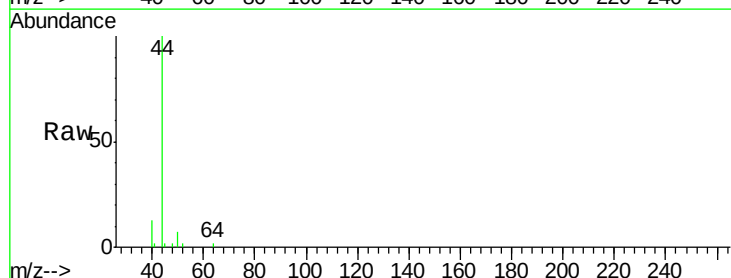
Acq: 21 Jun 2018 14:27

Tgt Ion: 50 Resp: 686

Ion Ratio Lower Upper

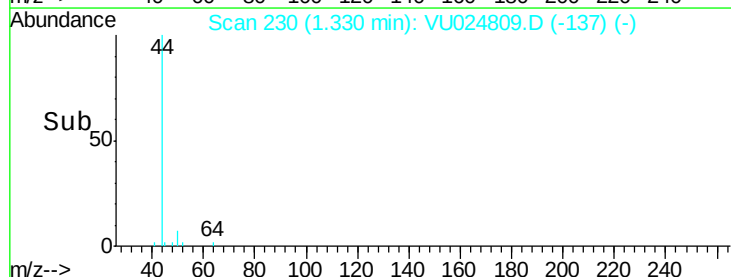
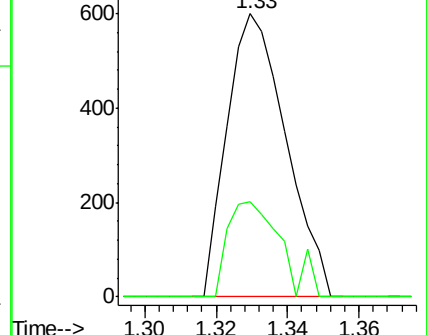
50 100

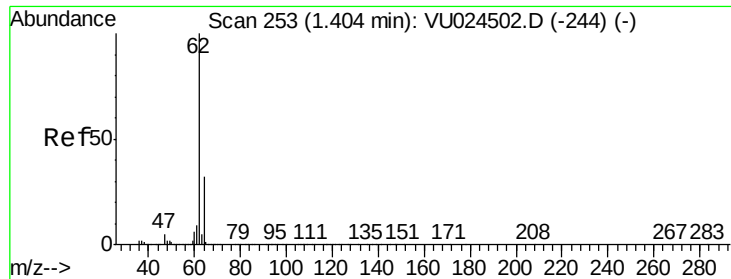
52 33.5 26.4 39.6



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

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





#4

Vinyl Chloride

Concen: 0.22 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024809.D

Acq: 21 Jun 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

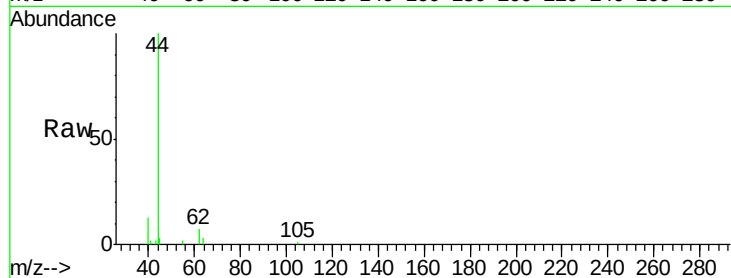
S32-EB-2018-1

Tot Ion: 62 Resp: 559

Ion Ratio Lower Upper

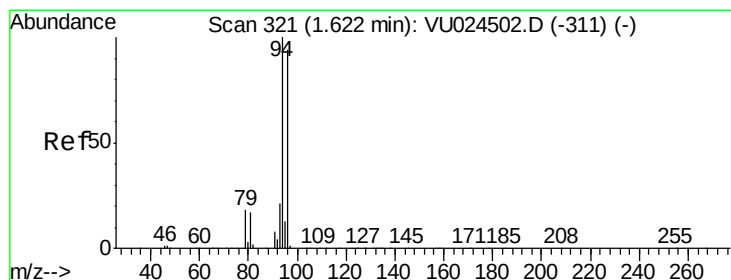
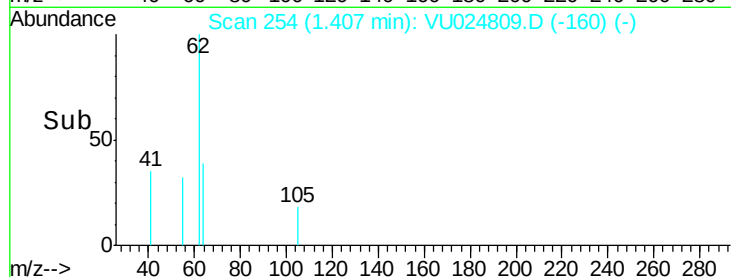
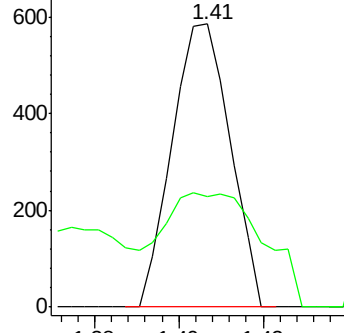
62 100

64 19.1 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.24 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024809.D

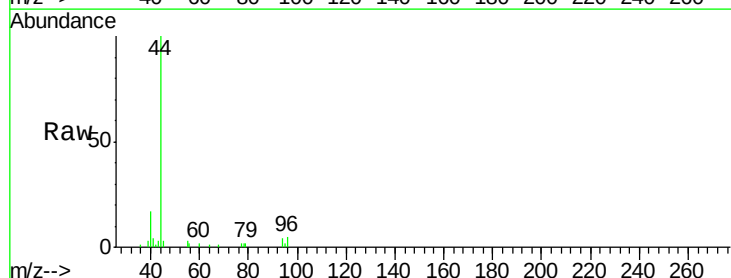
Acq: 21 Jun 2018 14:27

Tgt Ion: 94 Resp: 297

Ion Ratio Lower Upper

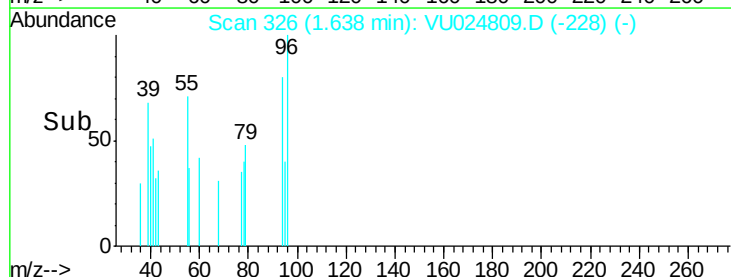
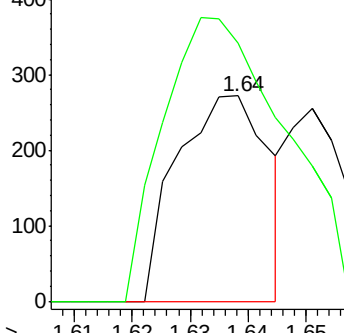
94 100

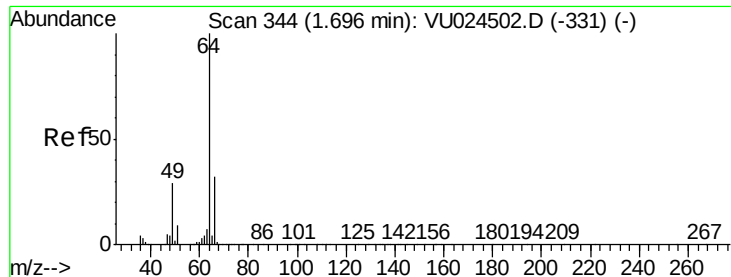
96 125.7 74.5 111.7#



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# 342

Delta R.T. -0.01 min

Lab File: VU024809.D

Acq: 21 Jun 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

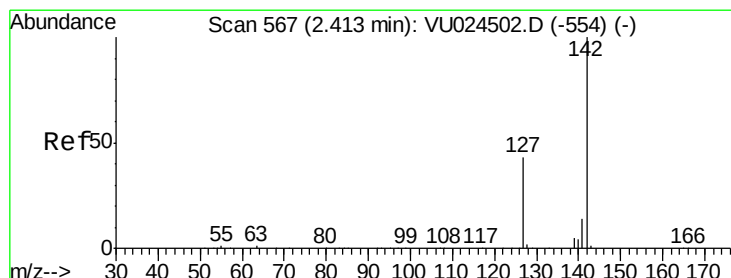
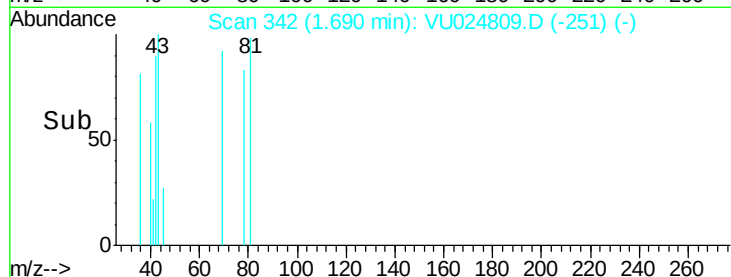
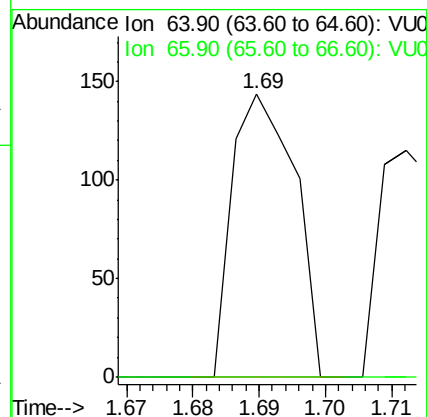
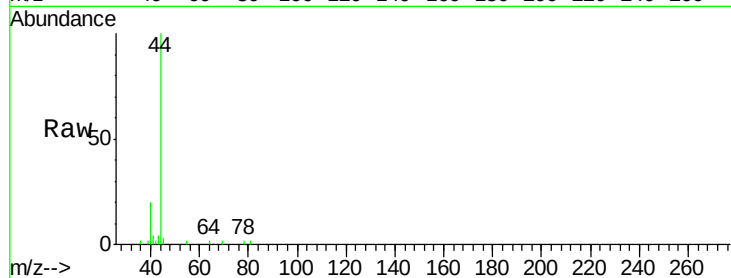
S32-EB-2018-1

Tot Ion: 64 Resp: 94

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 5.40 ug/l

RT: 2.43 min Scan# 572

Delta R.T. 0.02 min

Lab File: VU024809.D

Acq: 21 Jun 2018 14:27

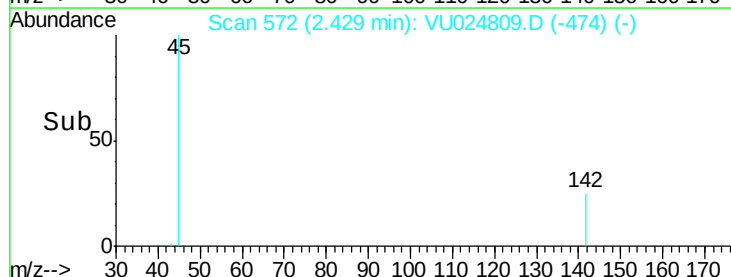
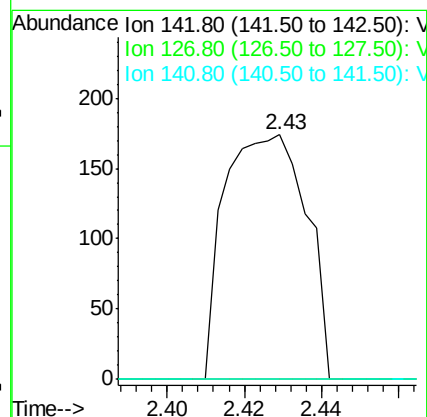
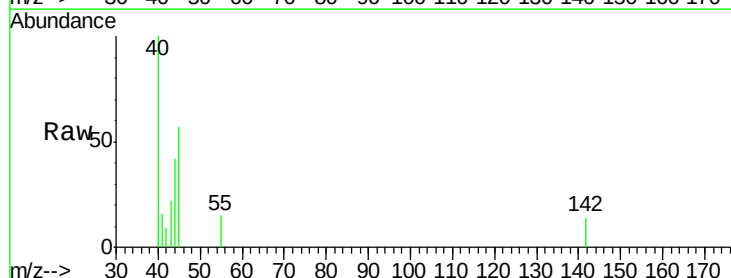
Tgt Ion: 142 Resp: 256

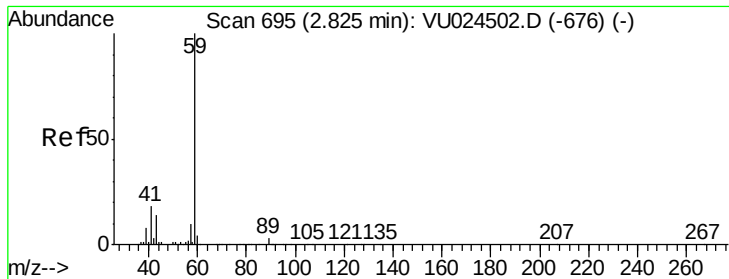
Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



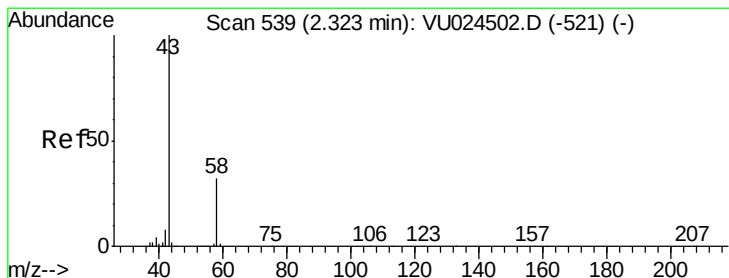
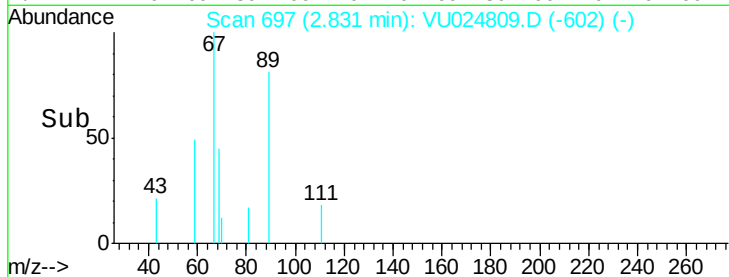
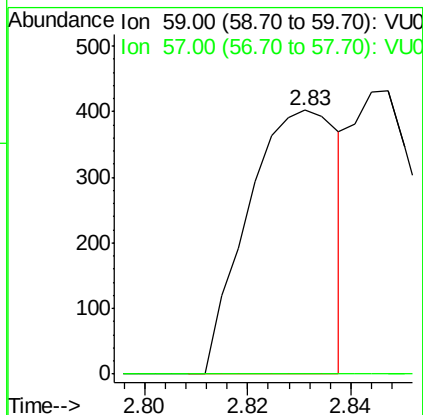
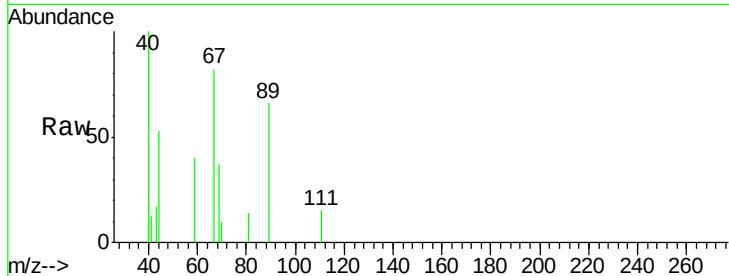


#11

Tert butyl alcohol
 Concen: 0.63 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VU024809.D
 Acq: 21 Jun 2018 14:27

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

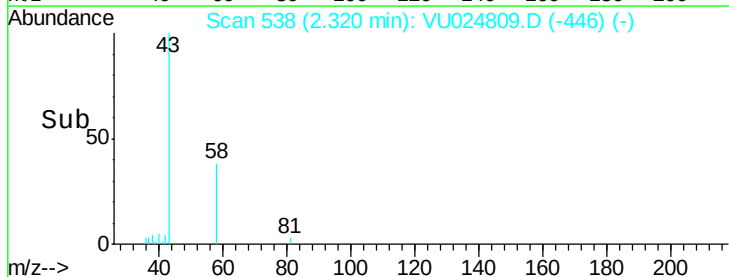
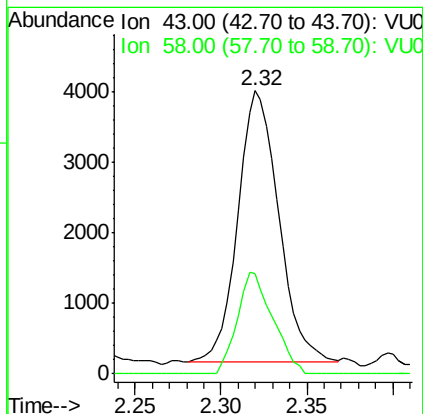
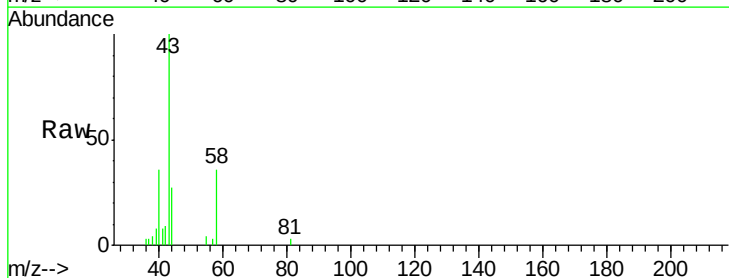
Tot Ion: 59 Resp: 488
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

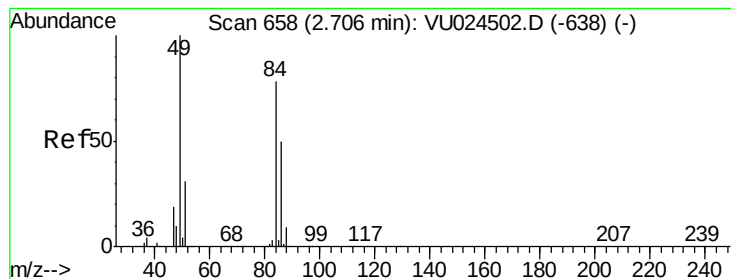


#16

Acetone
 Concen: 3.69 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU024809.D
 Acq: 21 Jun 2018 14:27

Tgt Ion: 43 Resp: 6323
 Ion Ratio Lower Upper
 43 100
 58 37.2 24.4 36.6#





#20

Methvlene Chloride

Concen: 24.77 ug/l

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU024809.D

Acq: 21 Jun 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

S32-EB-2018-1

Tot Ion: 84 Resp: 66533

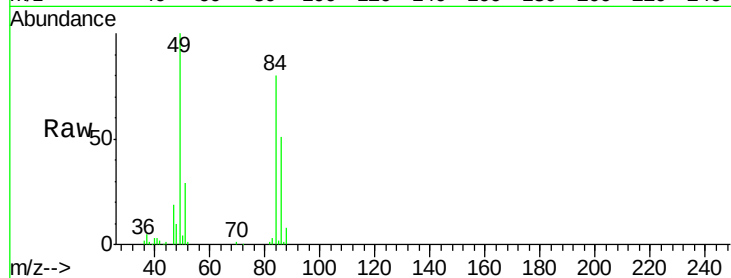
Ion Ratio Lower Upper

84 100

49 124.6 103.8 155.8

51 36.4 32.0 48.0

86 63.3 51.6 77.4

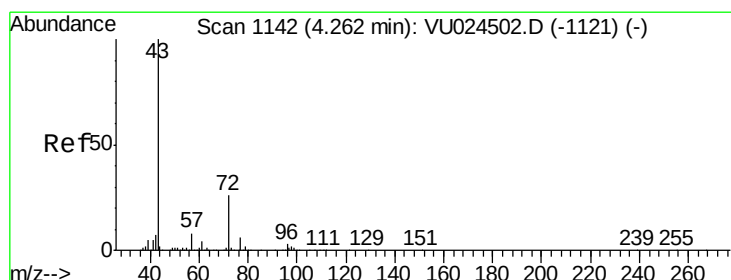
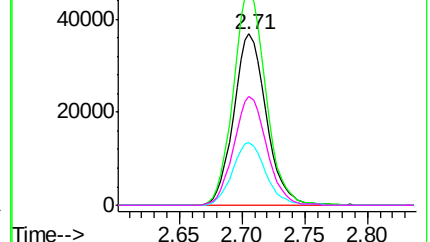
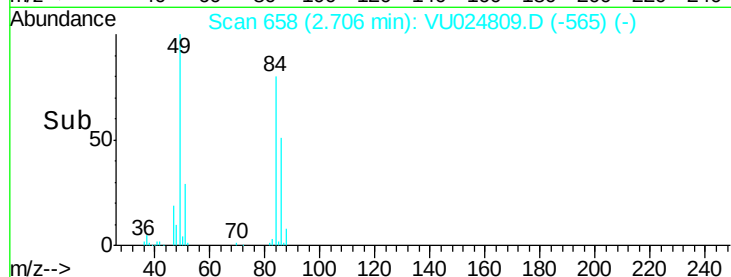


Abundance Ion 83.90 (83.60 to 84.60): VU0

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



#25

2-Butanone

Concen: 12.17 ug/l

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU024809.D

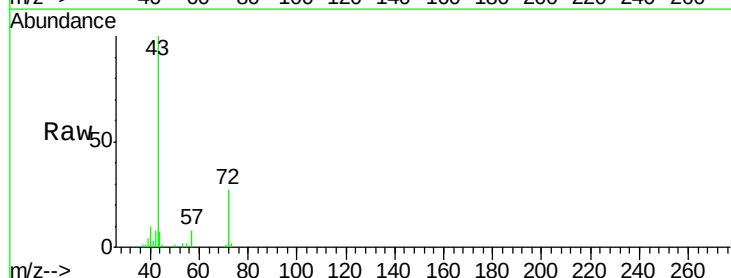
Acq: 21 Jun 2018 14:27

Tgt Ion: 43 Resp: 27977

Ion Ratio Lower Upper

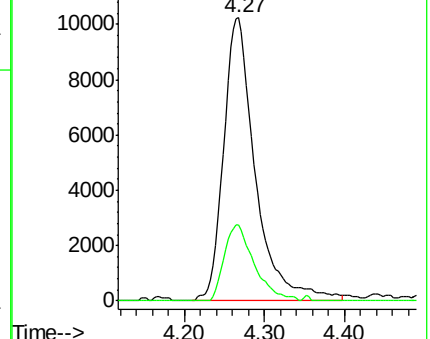
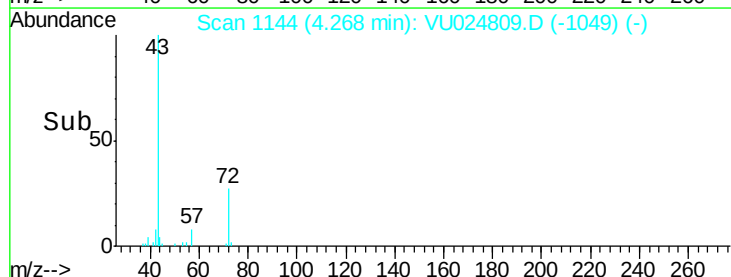
43 100

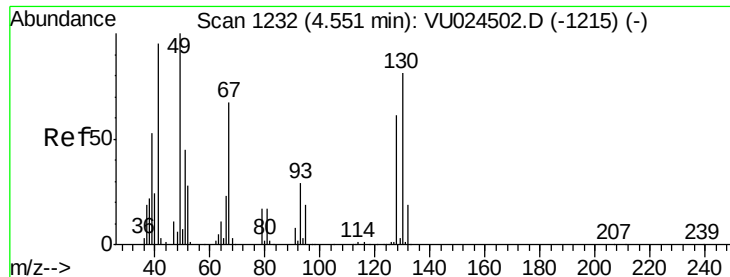
72 26.8 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#28

Bromochloromethane

Concen: 0.58 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.09 min

Lab File: VU024809.D

Acq: 21 Jun 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

S32-EB-2018-1

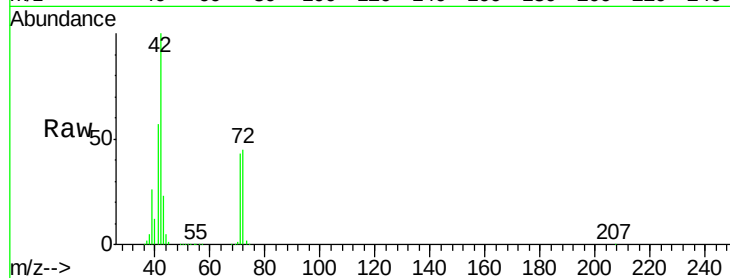
Tot Ion: 49 Resp: 1194

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

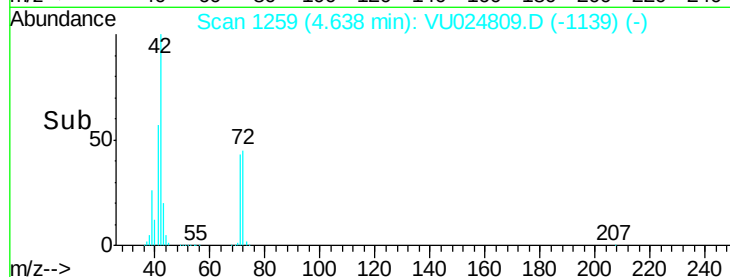
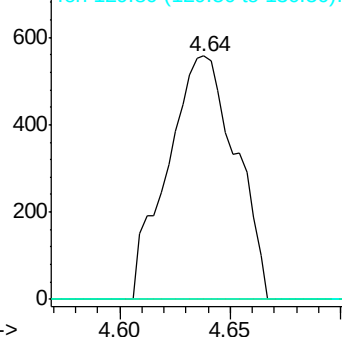
130 0.0 57.8 86.6#



Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 453.46 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU024809.D

Acq: 21 Jun 2018 14:27

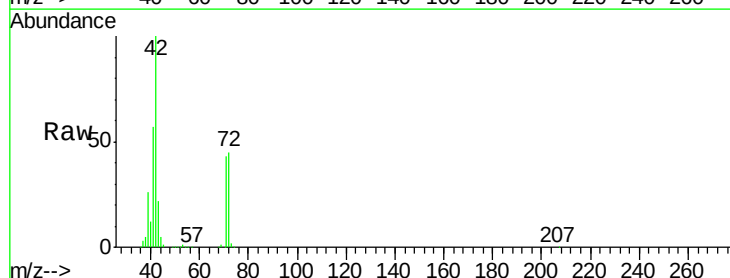
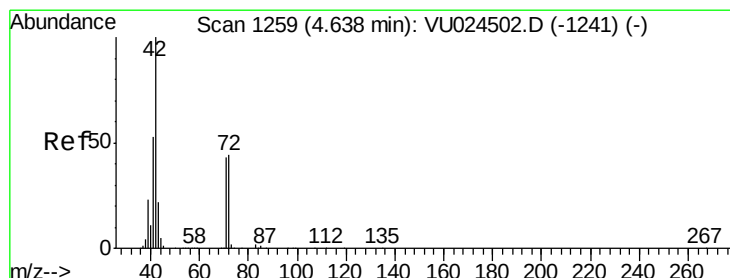
Tgt Ion: 42 Resp: 645631

Ion Ratio Lower Upper

42 100

72 45.1 34.5 51.7

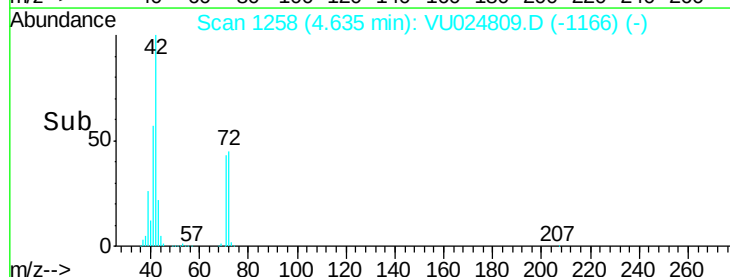
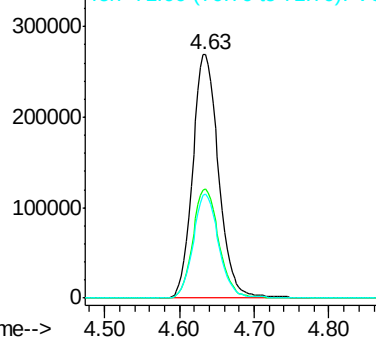
71 42.2 32.2 48.4

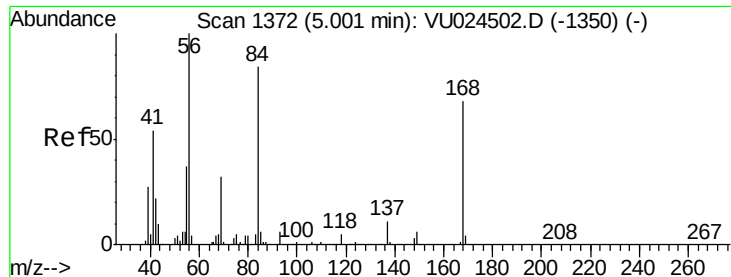


Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

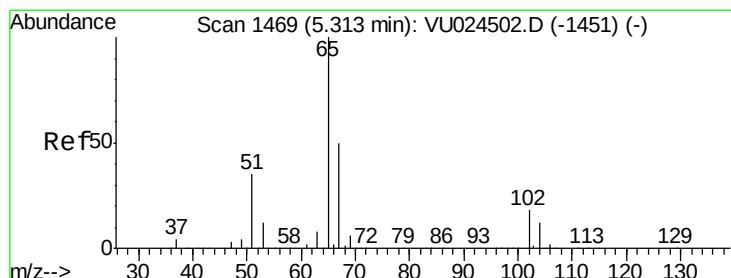
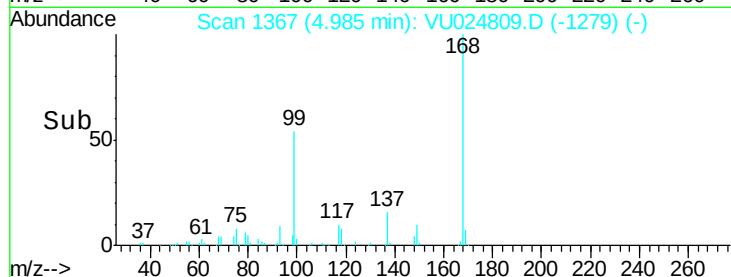
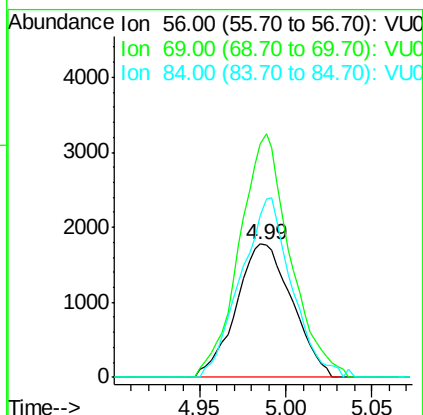
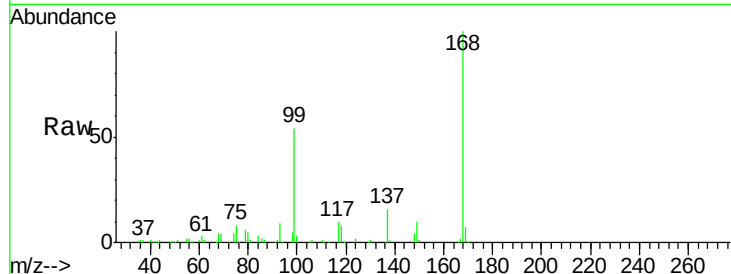




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024809.D
Acq: 21 Jun 2018 14:27

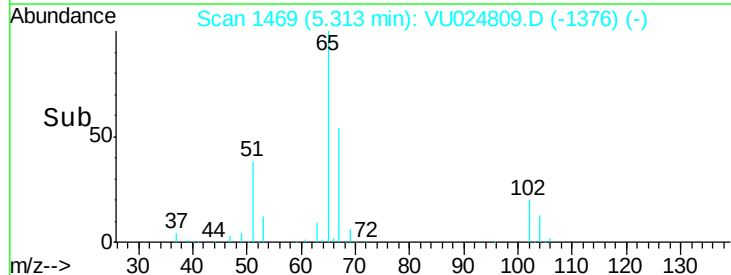
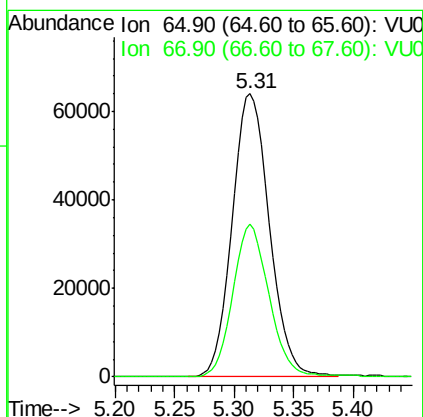
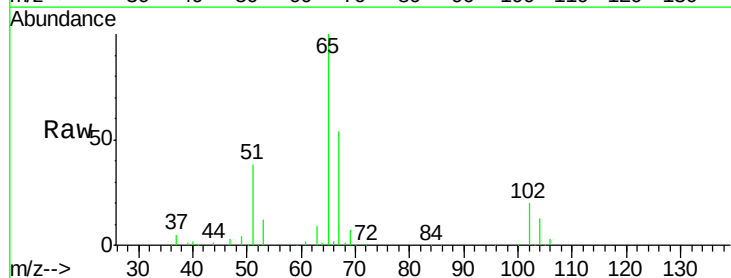
Instrument :
MSVOA_U
ClientSampleId :
S32-EB-2018-1

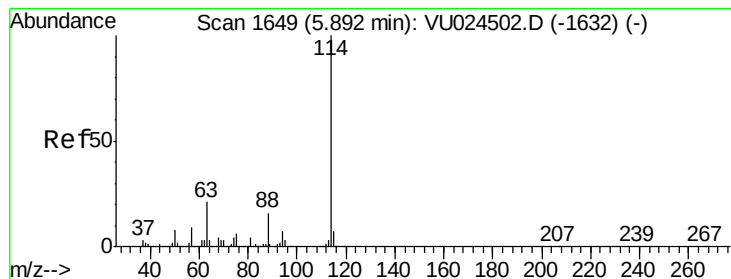
Tot Ion: 56 Resp: 4015
Ion Ratio Lower Upper
56 100
69 175.4 24.8 37.2#
84 121.0 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 43.67 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024809.D
Acq: 21 Jun 2018 14:27

Tgt Ion: 65 Resp: 139117
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024809.D

Acq: 21 Jun 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

S32-EB-2018-1

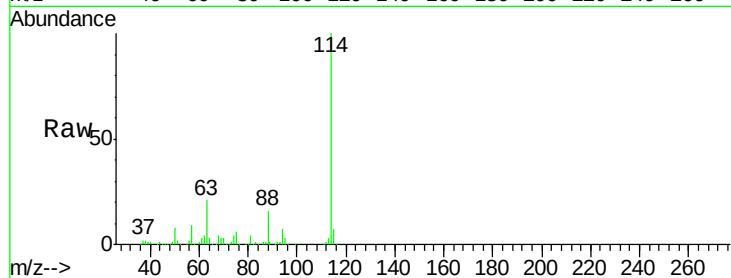
Tot Ion:114 Resp: 299968

Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.4

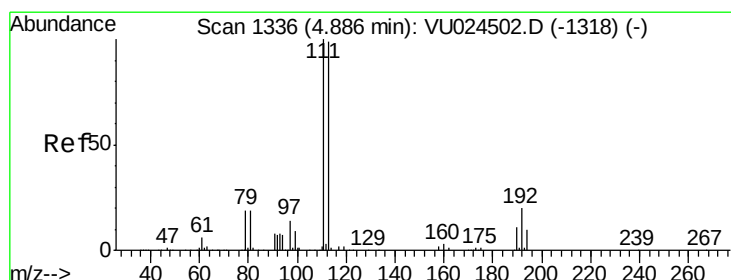
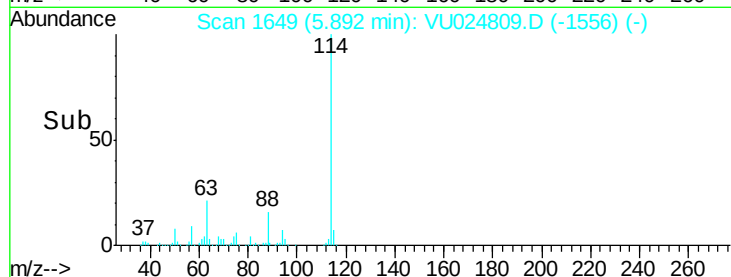
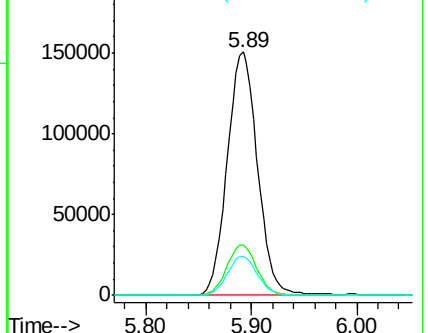
88 15.9 0.0 31.0



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: 46.39 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024809.D

Acq: 21 Jun 2018 14:27

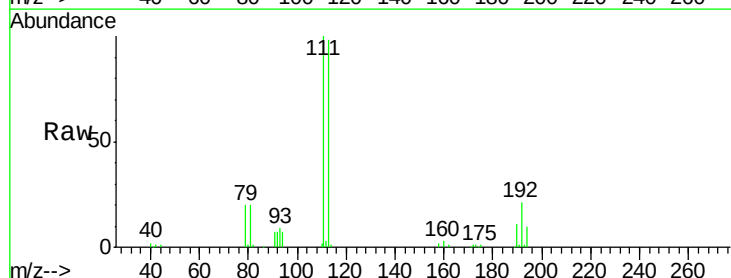
Tgt Ion:113 Resp: 115498

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

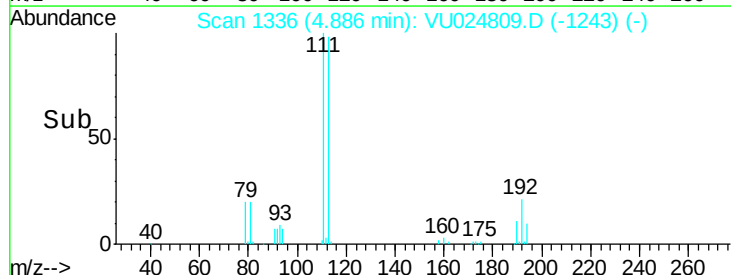
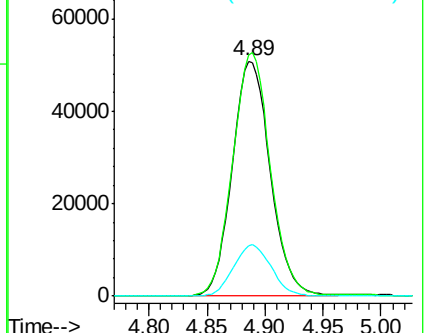
192 21.7 16.2 24.4

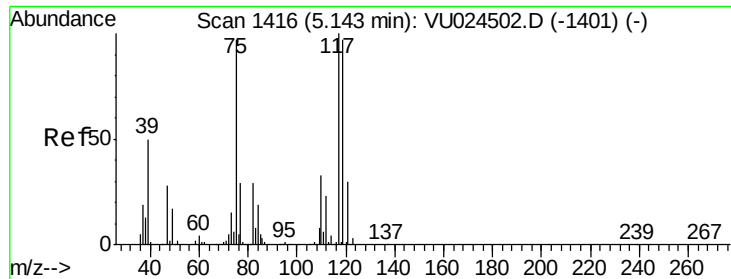


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

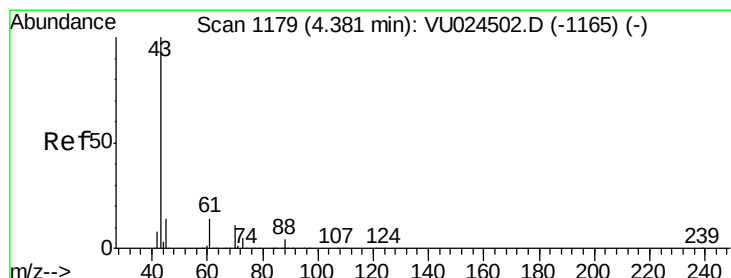
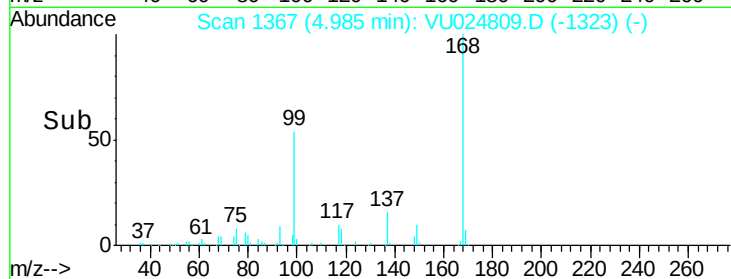
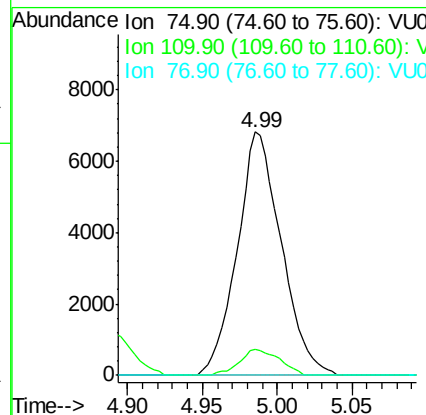
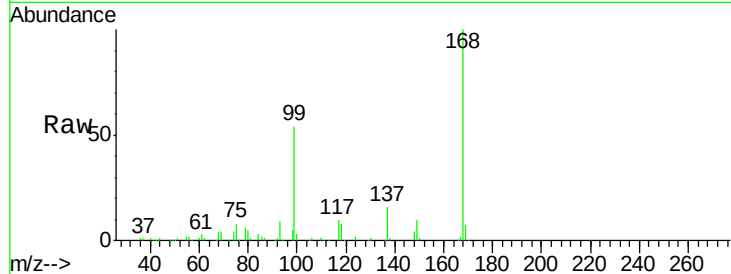




#36
 1,1-Dichloropropene
 Concen: 3.97 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024809.D
 Acq: 21 Jun 2018 14:27

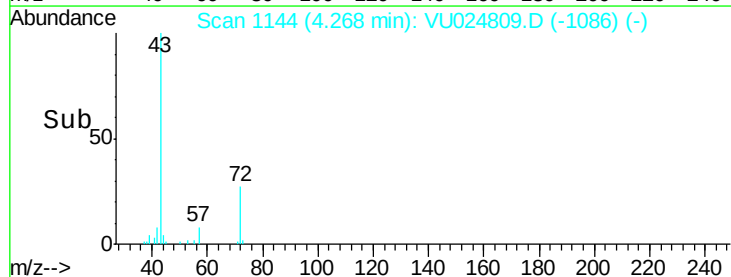
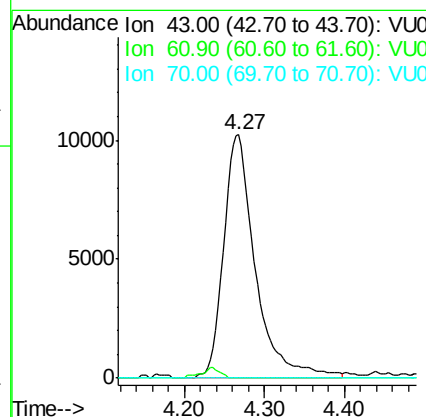
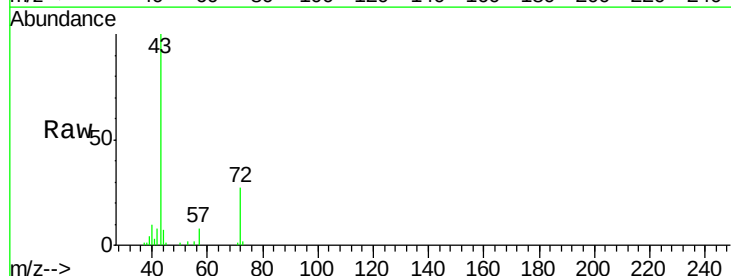
Instrument :
 MSVOA_U
 ClientSampleId :
 S32-EB-2018-1

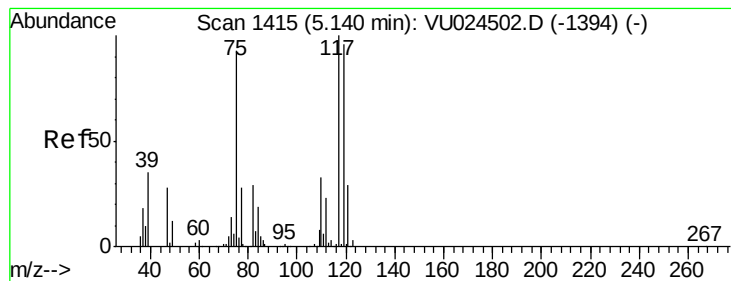
Tot Ion	75	Resp	13987
Ion Ratio	Lower	Upper	
75	100		
110	9.7	17.0	50.9#
77	0.0	24.2	36.4#



#37
 Ethyl Acetate
 Concen: 7.28 ug/l
 RT: 4.27 min Scan# 1144
 Delta R.T. -0.11 min
 Lab File: VU024809.D
 Acq: 21 Jun 2018 14:27

Tgt Ion	43	Resp	27977
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.5	15.7#
70	0.0	7.4	11.2#





#38

Carbon Tetrachloride

Concen: 4.73 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024809.D

Acq: 21 Jun 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

S32-EB-2018-1

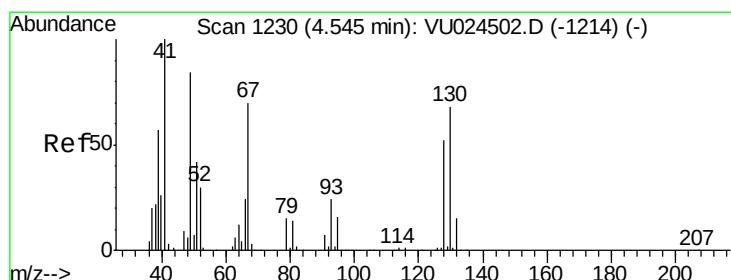
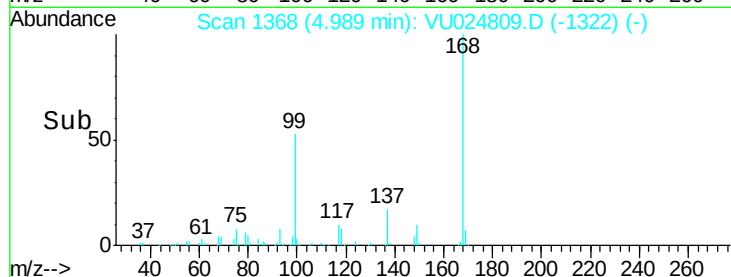
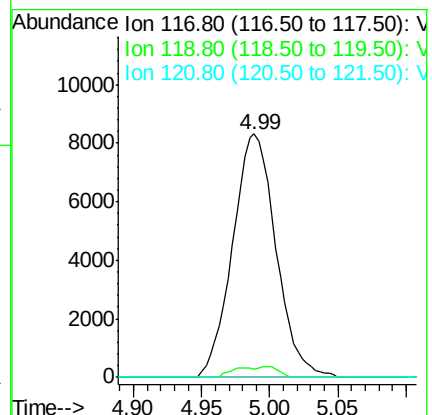
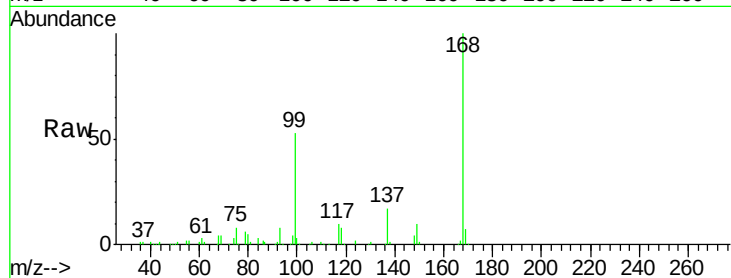
Tot Ion:117 Resp: 18337

Ion Ratio Lower Upper

117 100

119 3.4 76.1 114.1#

121 0.0 23.7 35.5#



#41

Methacrylonitrile

Concen: 176.45 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. 0.09 min

Lab File: VU024809.D

Acq: 21 Jun 2018 14:27

Tgt Ion: 41 Resp: 365501

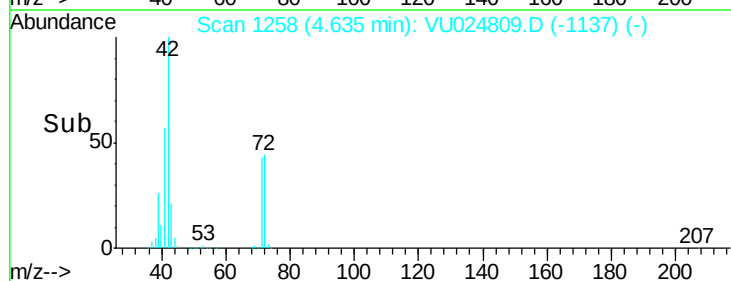
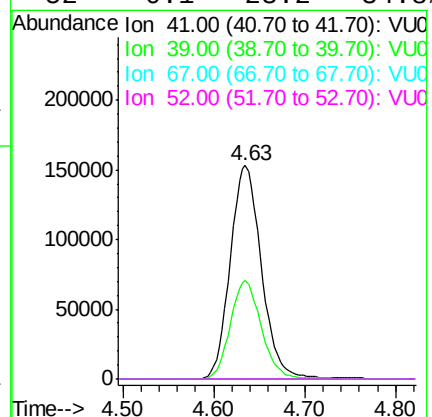
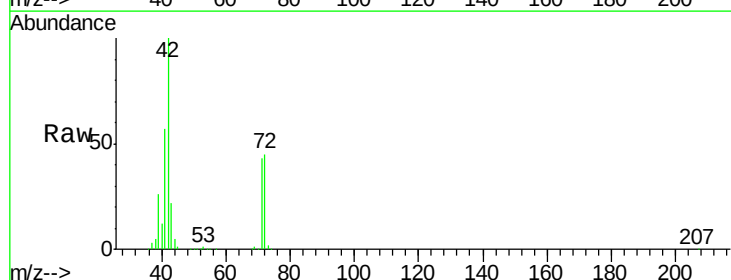
Ion Ratio Lower Upper

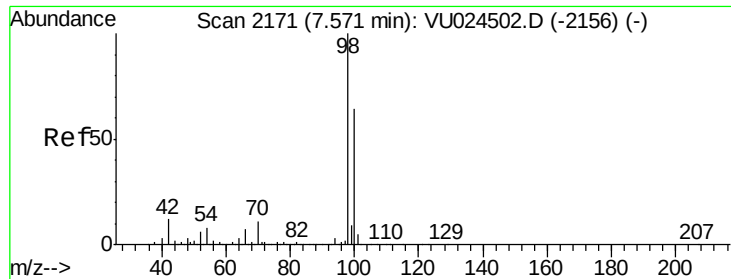
41 100

39 45.5 43.8 65.6

67 0.0 56.3 84.5#

52 0.1 23.2 34.8#

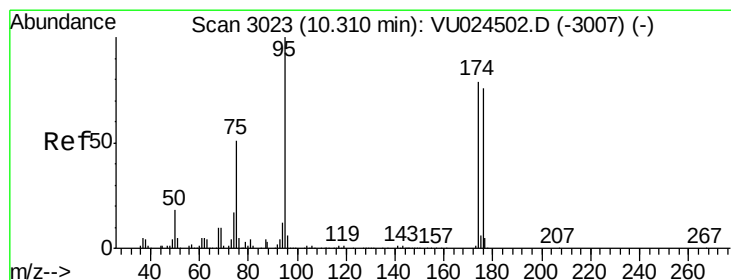
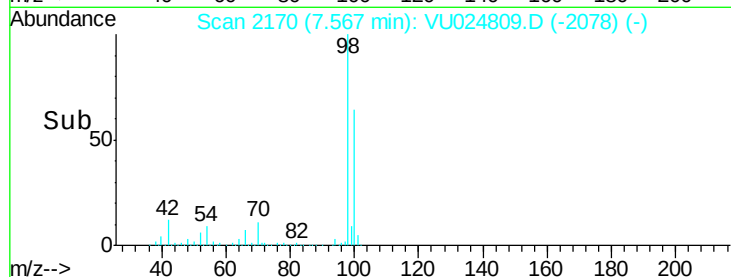
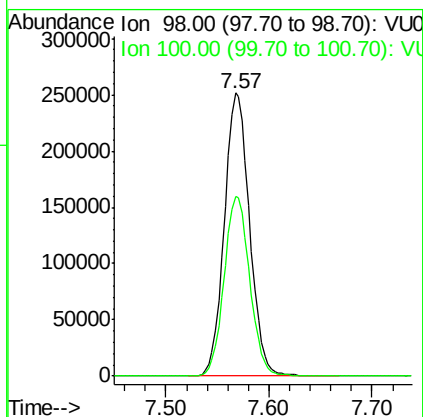
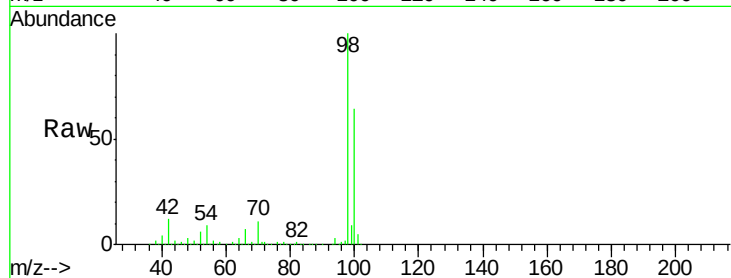




#50
Toluene-d8
Concen: 47.39 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024809.D
Acq: 21 Jun 2018 14:27

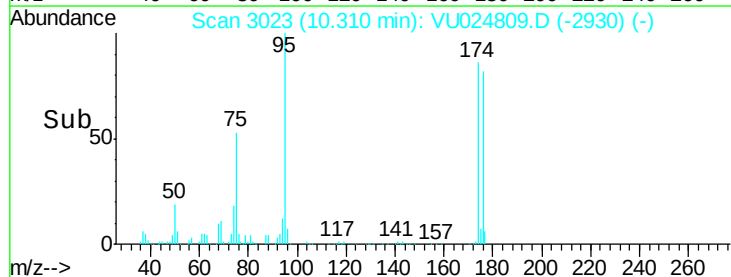
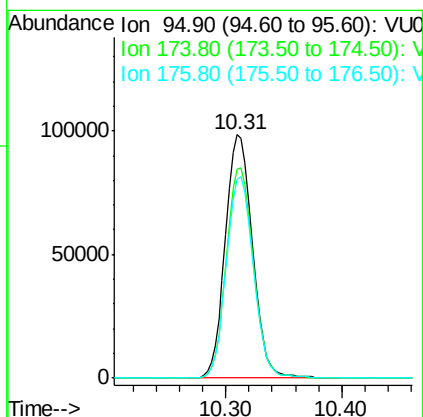
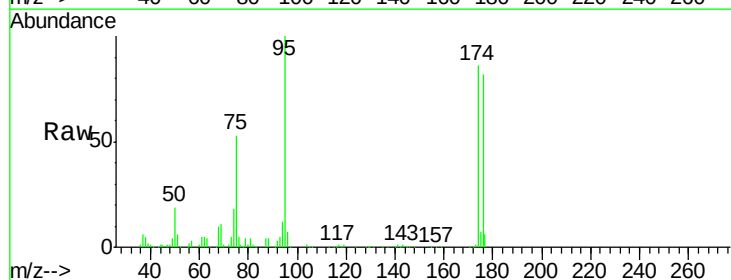
Instrument :
MSVOA_U
ClientSampleId :
S32-EB-2018-1

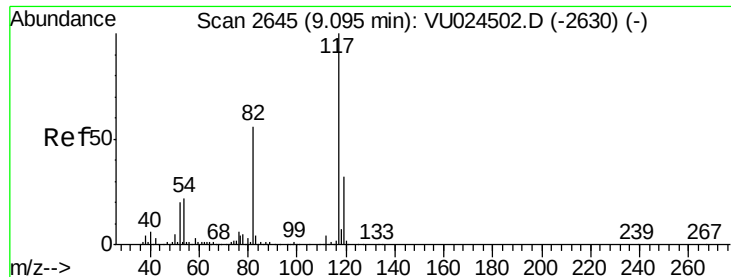
Tot Ion: 98 Resp: 430320
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 44.16 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024809.D
Acq: 21 Jun 2018 14:27

Tgt Ion: 95 Resp: 159220
Ion Ratio Lower Upper
95 100
174 86.2 0.0 165.8
176 82.7 0.0 159.4

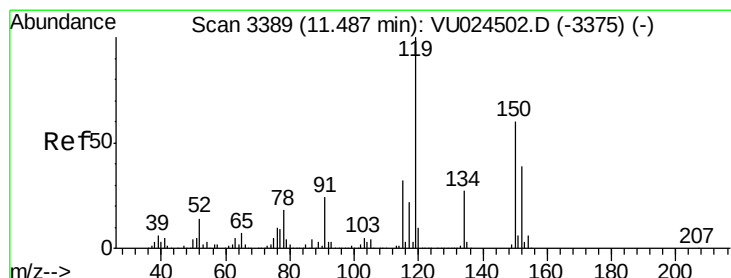
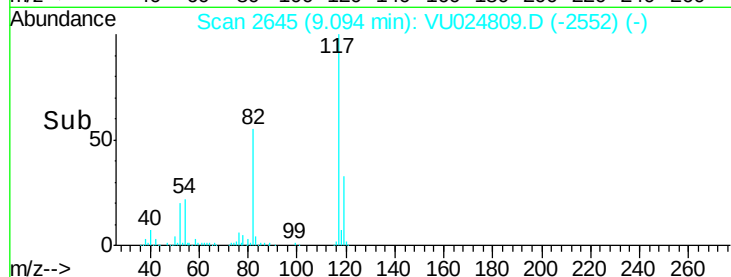
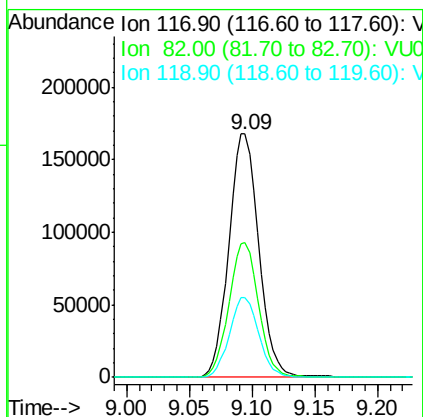
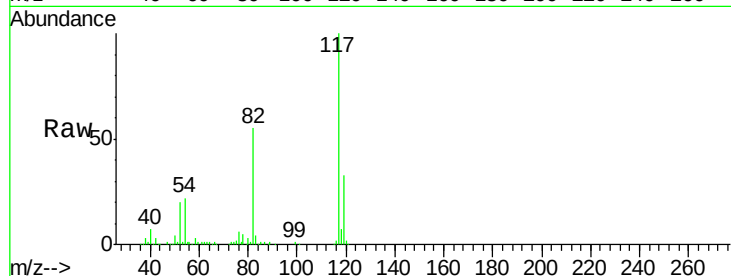




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024809.D
Acq: 21 Jun 2018 14:27

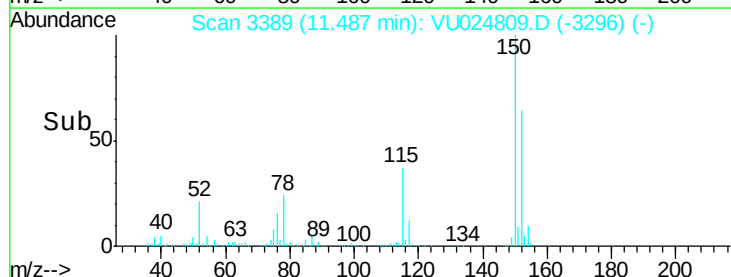
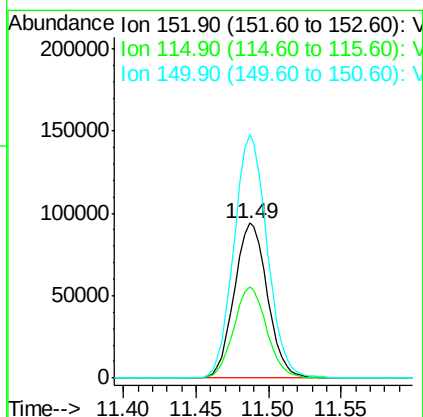
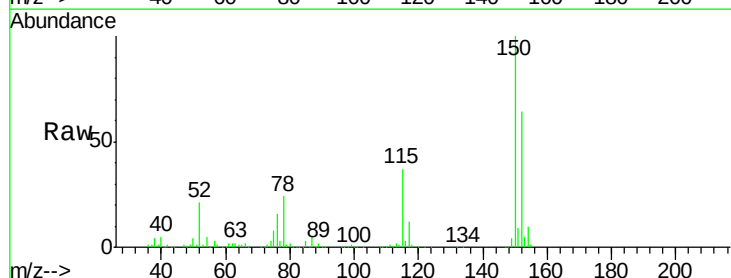
Instrument :
MSVOA_U
ClientSampleId :
S32-EB-2018-1

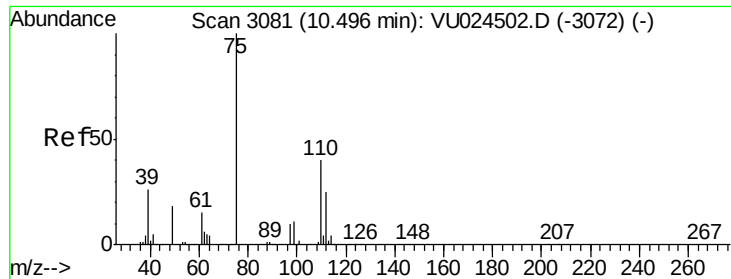
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.3	66.5
119	33.0	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024809.D
Acq: 21 Jun 2018 14:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	43.0	129.0
150	158.0	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 25.22 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024809.D

Acq: 21 Jun 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

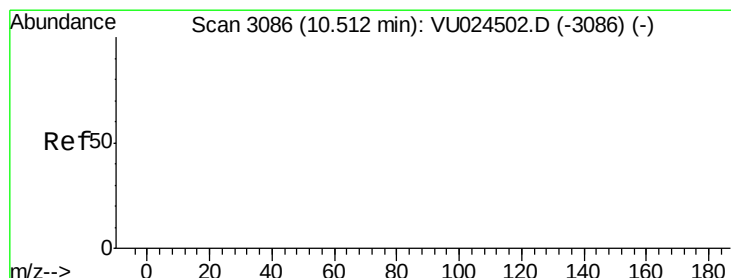
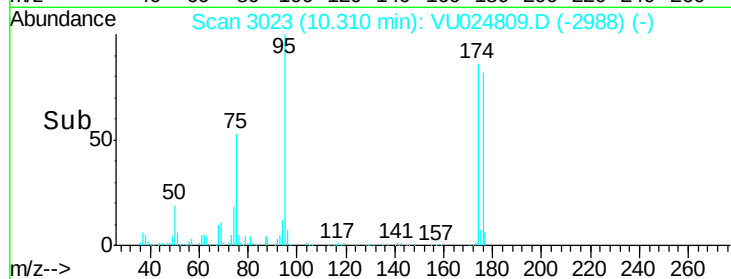
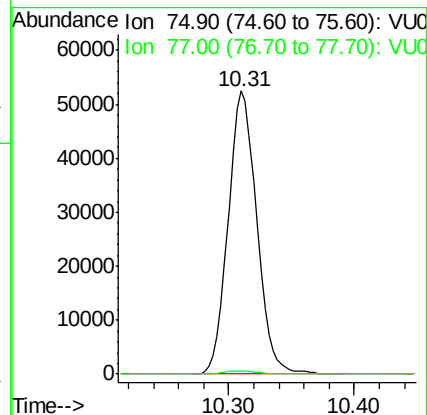
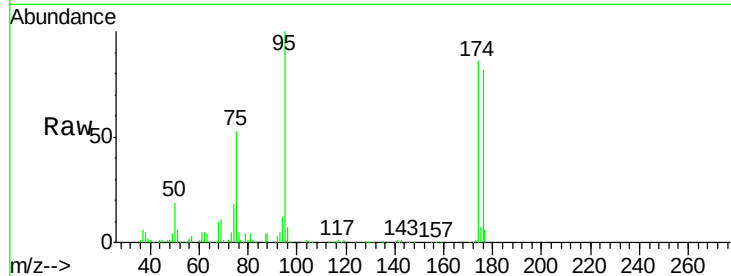
S32-EB-2018-1

Tot Ion: 75 Resp: 83036

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.38 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024809.D

Acq: 21 Jun 2018 14:27

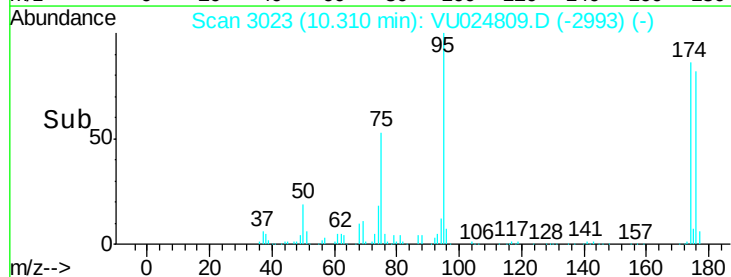
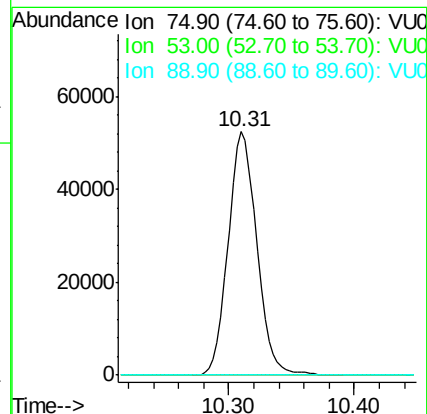
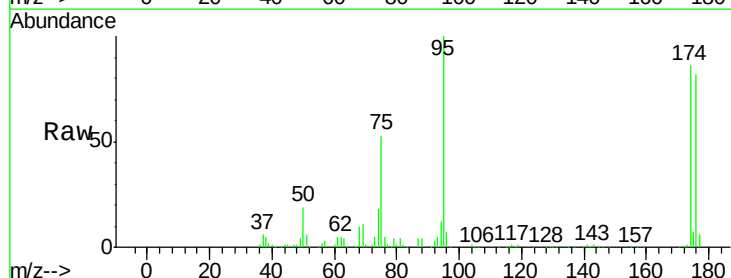
Tgt Ion: 75 Resp: 83036

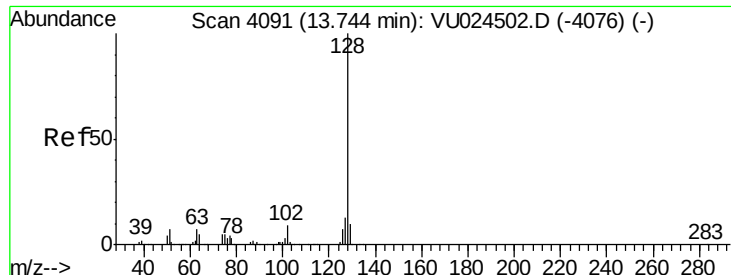
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.72 ug/l

RT: 13.76 min Scan# 4097

Delta R.T. 0.02 min

Lab File: VU024809.D

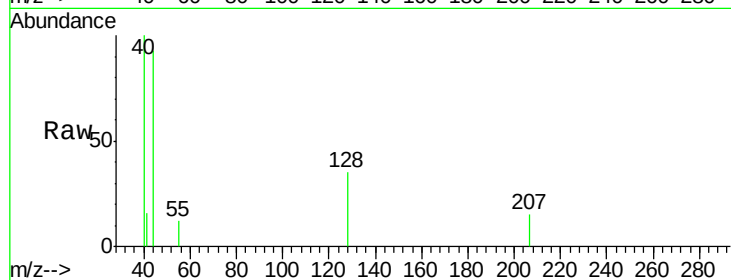
Acq: 21 Jun 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

S32-EB-2018-1



Tot Ion:128 Resp: 467

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

