

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025027.D
 Acq On : 28 Jun 2018 17:54
 Operator : MD/SY
 Sample : J3048-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-3-GW

Quant Time: Jun 29 05:08:26 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	219466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	331012	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	306063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	163808	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	167470	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
35) Dibromofluoromethane	4.89	113	130769	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
50) Toluene-d8	7.57	98	480626	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
62) 4-Bromofluorobenzene	10.31	95	179671	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	

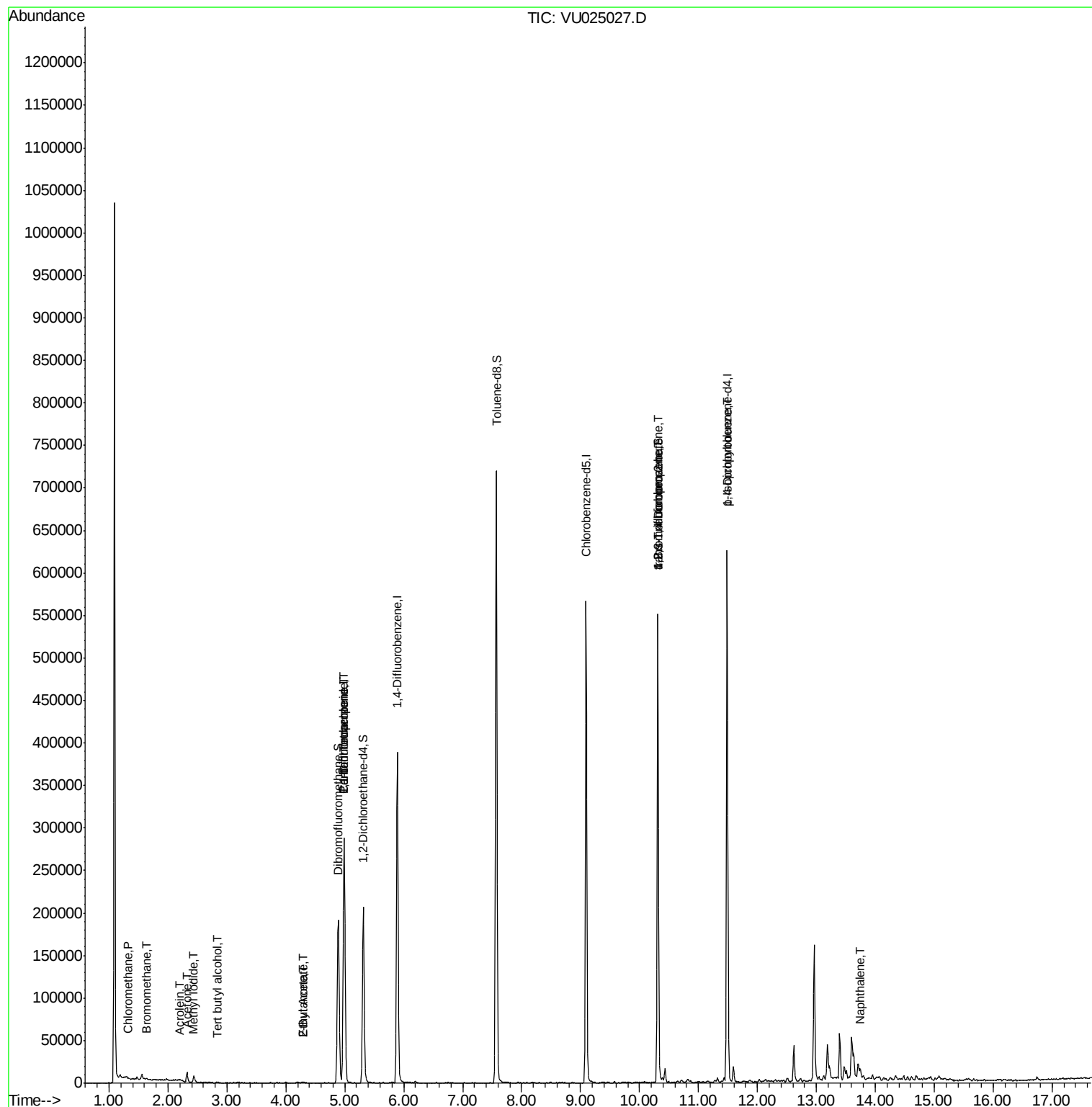
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	832	0.296	ug/l #	72
5) Bromomethane	1.63	94	364	0.260	ug/l	96
6) Chloroethane	1.70	64	21	Below Cal	#	43
10) Methyl Iodide	2.42	142	19	5.296	ug/l #	40
11) Tert butyl alcohol	2.84	59	373	0.428	ug/l #	72
13) Acrolein	2.20	56	344	0.752	ug/l #	42
16) Acetone	2.32	43	12272	6.375	ug/l	99
25) 2-Butanone	4.28	43	1977	0.765	ug/l	93
31) Cyclohexane	4.99	56	4418	Below Cal	#	26
36) 1,1-Dichloropropene	4.99	75	15784	4.058	ug/l #	51
37) Ethyl Acetate	4.28	43	1977	0.466	ug/l #	70
38) Carbon Tetrachloride	4.99	117	22068	5.159	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	93391	25.895	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	93391	59.933	ug/l #	100
86) p-Isopropyltoluene	11.48	119	3323	0.283	ug/l #	82
95) Naphthalene	13.75	128	8376	1.365	ug/l #	90

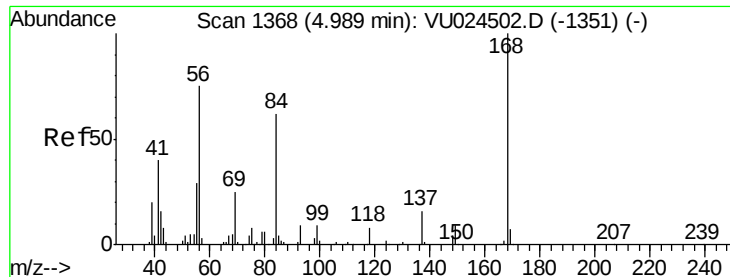
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025027.D

Acq: 28 Jun 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

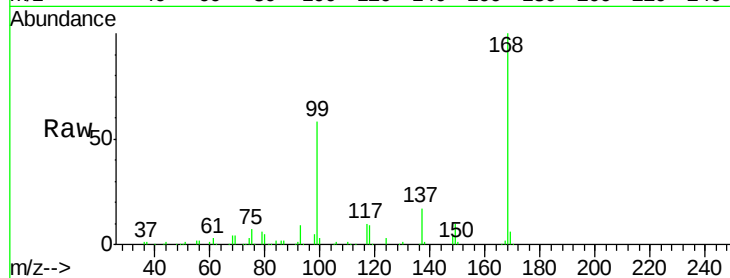
TP-3-GW

Tgt Ion:168 Resp: 219466

Ion Ratio Lower Upper

168 100

99 57.5 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

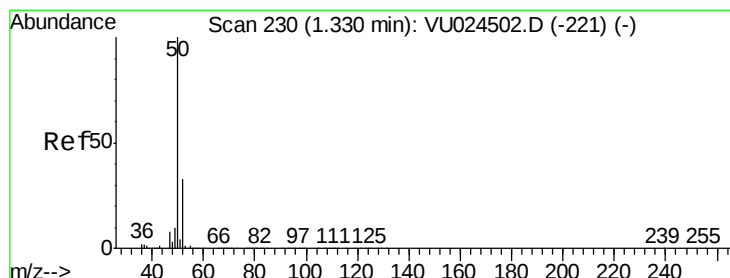
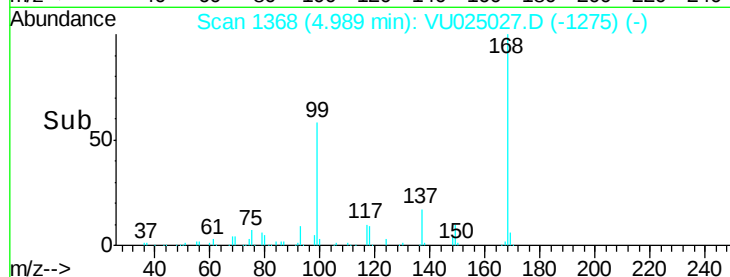
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.296 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025027.D

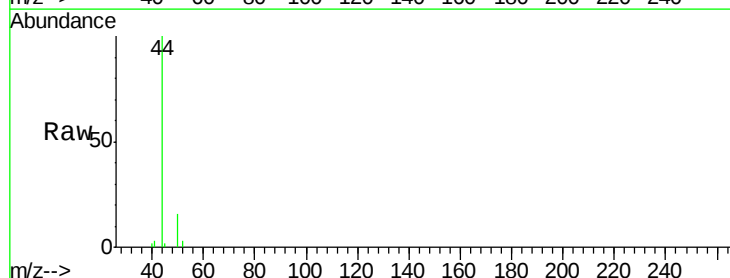
Acq: 28 Jun 2018 17:54

Tgt Ion: 50 Resp: 832

Ion Ratio Lower Upper

50 100

52 17.0 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

800

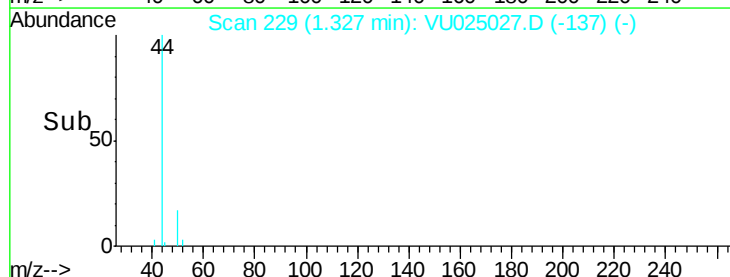
600

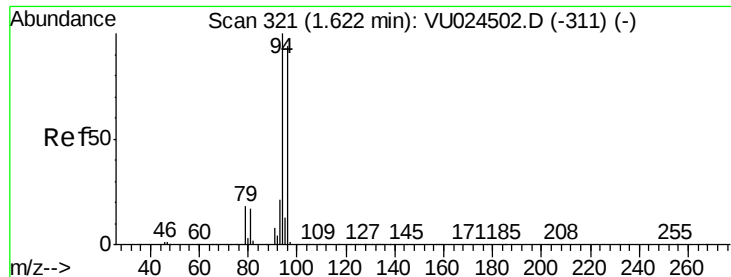
400

200

0

Time-->





#5

Bromomethane

Concen: 0.260 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025027.D

Acq: 28 Jun 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

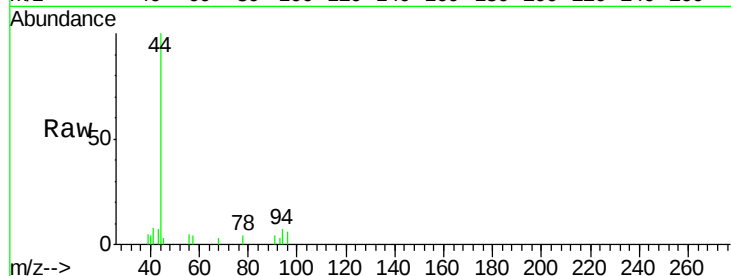
TP-3-GW

Tgt Ion: 94 Resp: 364

Ion Ratio Lower Upper

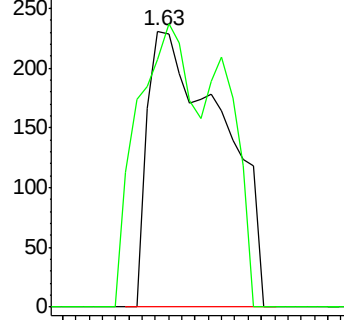
94 100

96 89.6 74.5 111.7

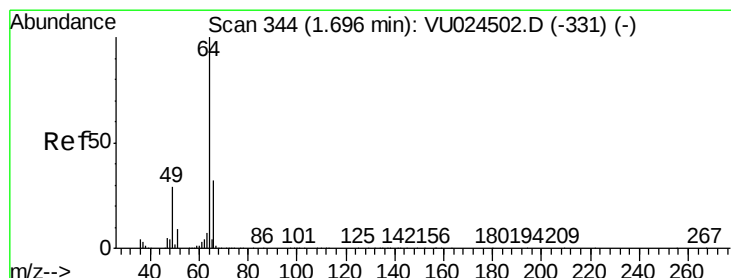
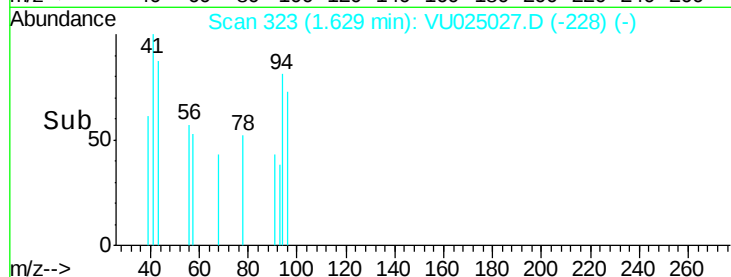


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time--> 1.60 1.62 1.64 1.66 1.68



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU025027.D

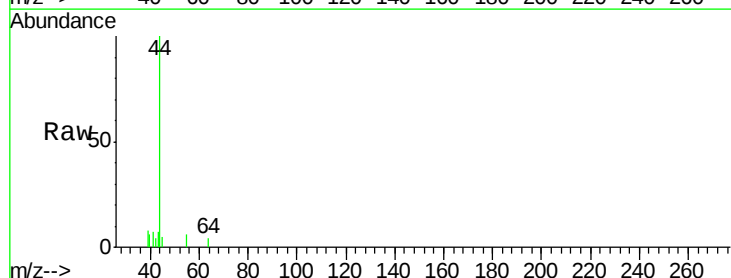
Acq: 28 Jun 2018 17:54

Tgt Ion: 64 Resp: 21

Ion Ratio Lower Upper

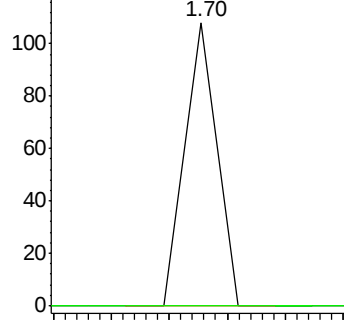
64 100

66 0.0 25.5 38.3#

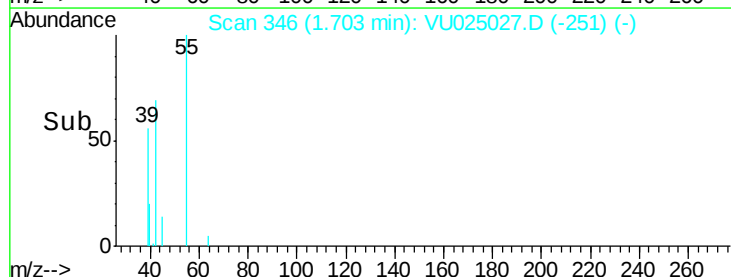


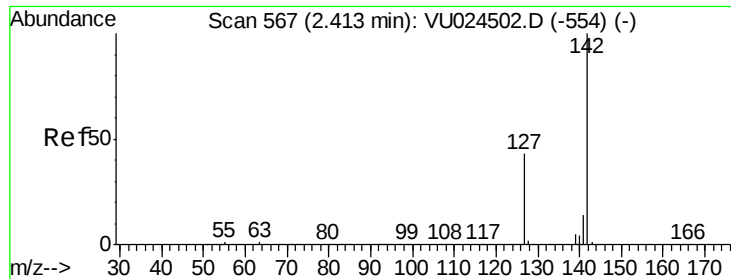
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time--> 1.69 1.70 1.71 1.71

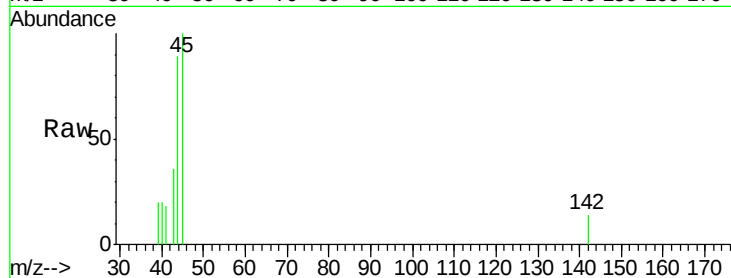




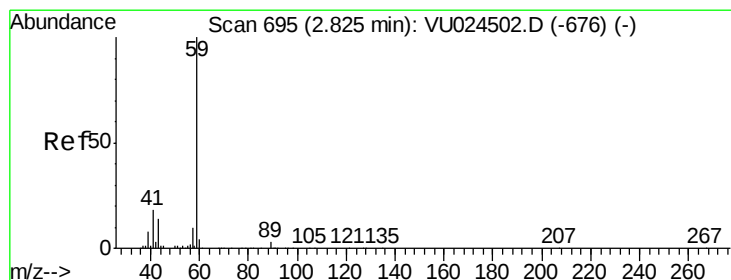
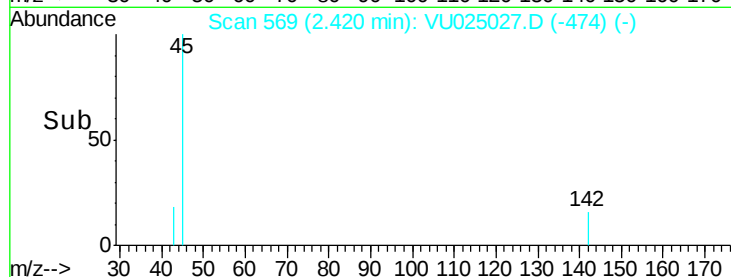
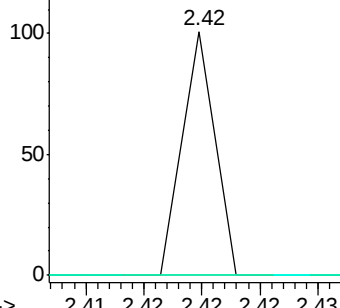
#10
Methyl Iodide
Concen: 5.296 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU025027.D
Acq: 28 Jun 2018 17:54

Instrument :
MSVOA_U
ClientSampled :
TP-3-GW

Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#

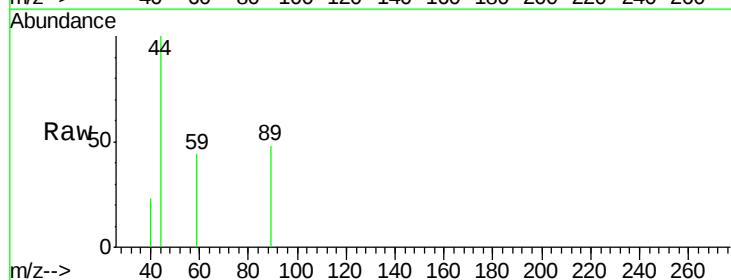


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

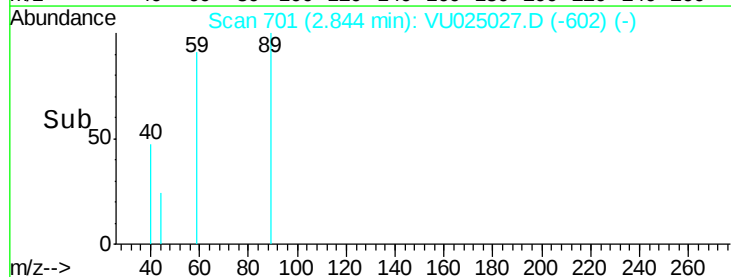
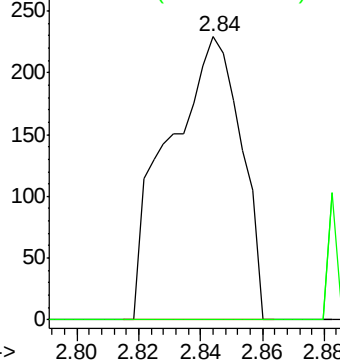


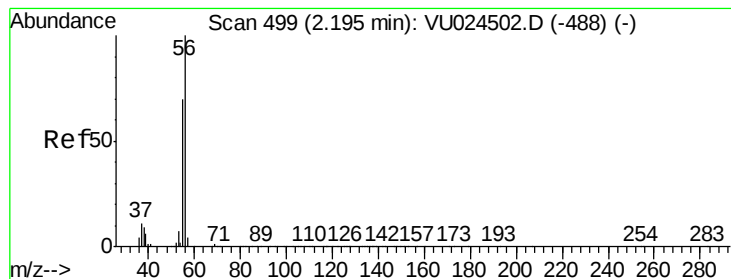
#11
Tert butyl alcohol
Concen: 0.428 ug/l
RT: 2.84 min Scan# 701
Delta R.T. 0.02 min
Lab File: VU025027.D
Acq: 28 Jun 2018 17:54

Tgt Ion: 59 Resp: 373
Ion Ratio Lower Upper
59 100
57 0.0 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: 0.752 ug/l

RT: 2.20 min Scan# 501

Delta R.T. 0.01 min

Lab File: VU025027.D

Acq: 28 Jun 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

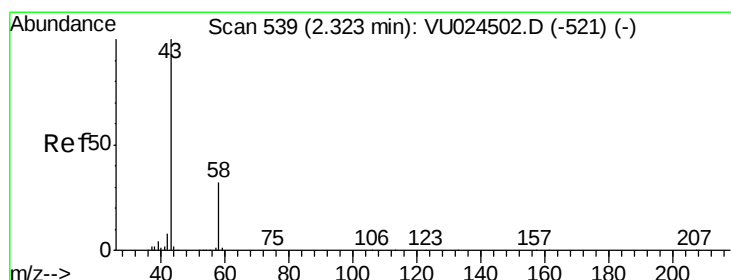
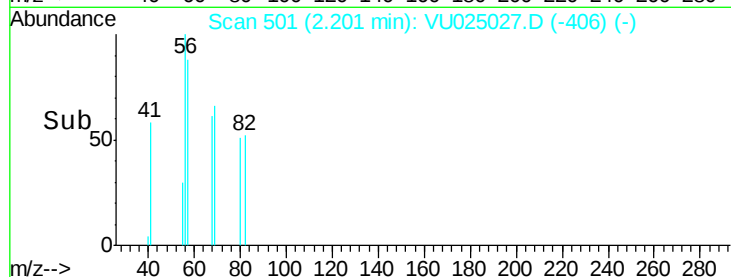
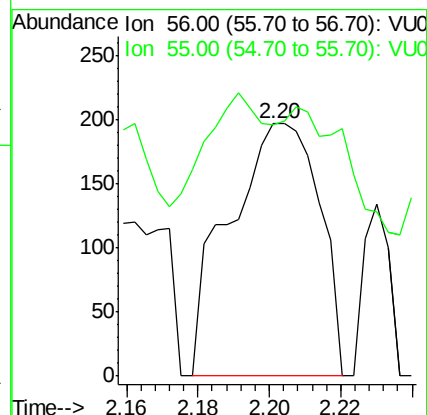
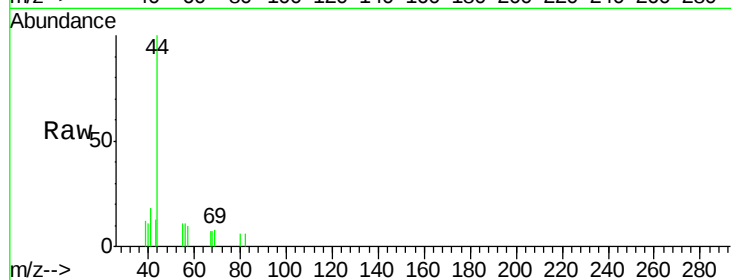
TP-3-GW

Tgt Ion: 56 Resp: 344

Ion Ratio Lower Upper

56 100

55 24.4 58.4 87.6#



#16

Acetone

Concen: 6.375 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025027.D

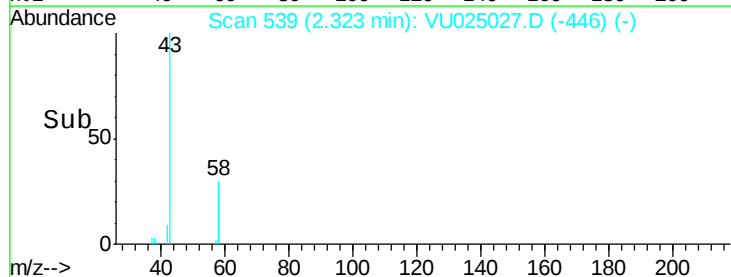
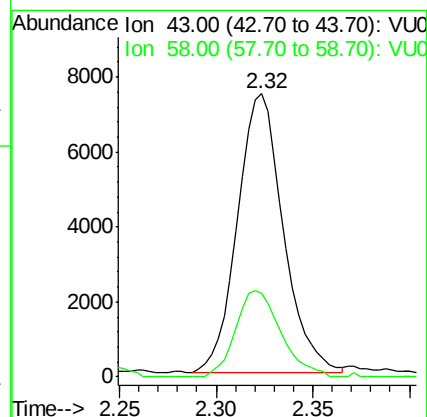
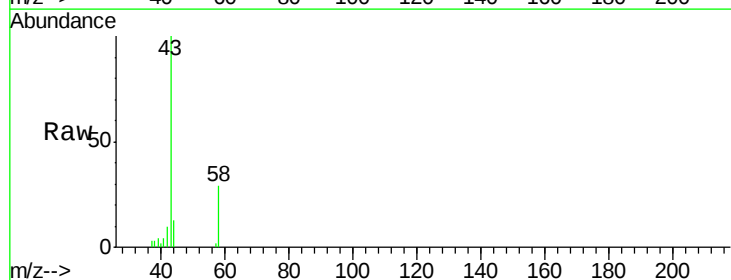
Acq: 28 Jun 2018 17:54

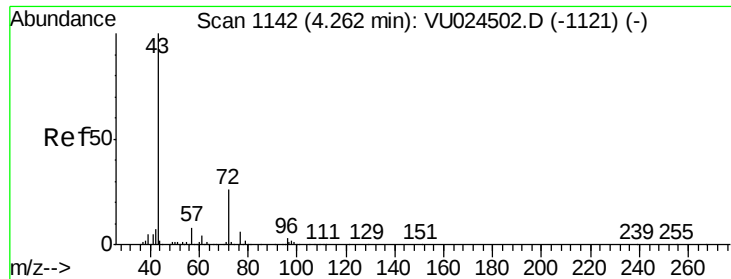
Tgt Ion: 43 Resp: 12272

Ion Ratio Lower Upper

43 100

58 29.9 24.4 36.6

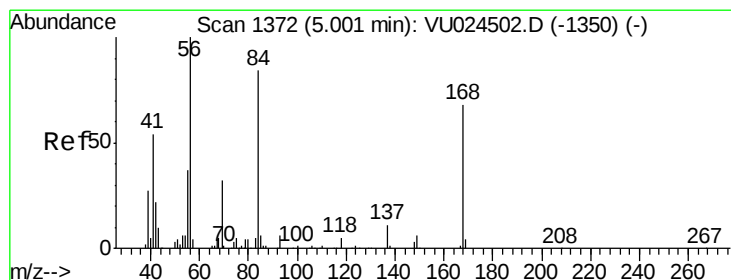
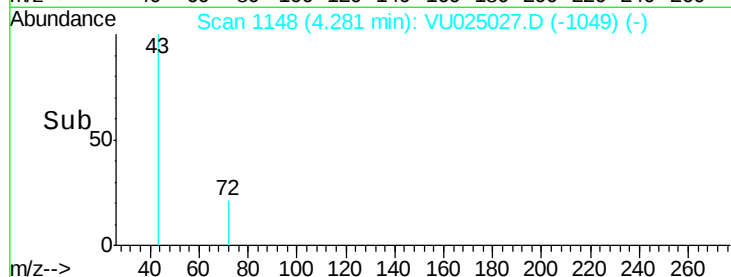
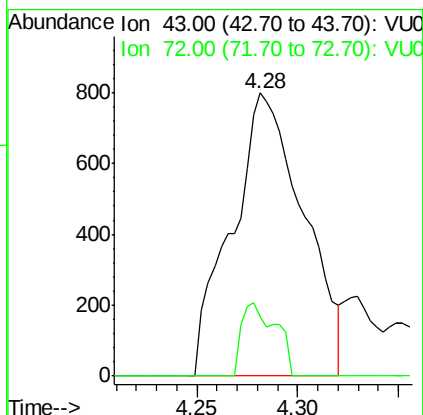
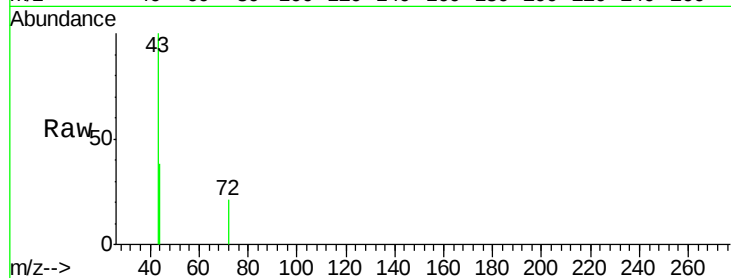




#25
2-Butanone
Concen: 0.765 ug/l
RT: 4.28 min Scan# 1148
Delta R.T. 0.02 min
Lab File: VU025027.D
Acq: 28 Jun 2018 17:54

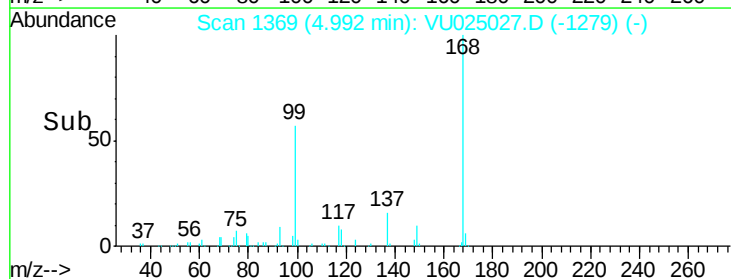
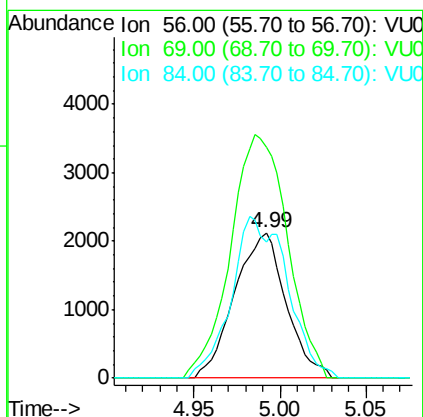
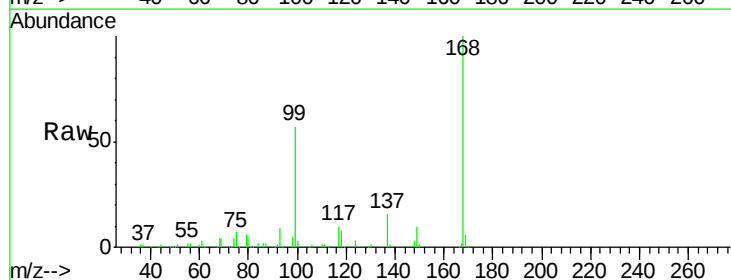
Instrument :
MSVOA_U
ClientSampleId :
TP-3-GW

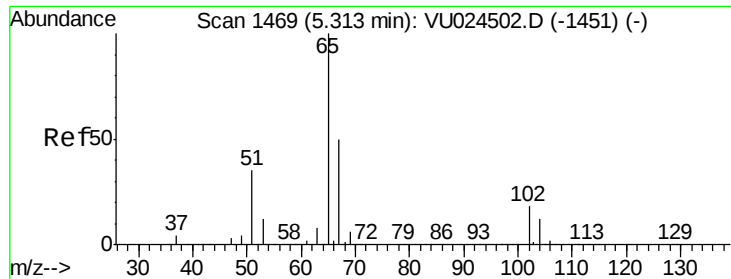
Tgt Ion: 43 Resp: 1977
Ion Ratio Lower Upper
43 100
72 20.9 19.6 29.4



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU025027.D
Acq: 28 Jun 2018 17:54

Tgt Ion: 56 Resp: 4418
Ion Ratio Lower Upper
56 100
69 159.2 24.8 37.2#
84 93.9 65.2 97.8





#33

1,2-Dichloroethane-d4

Concen: 46.742 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025027.D

Acq: 28 Jun 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

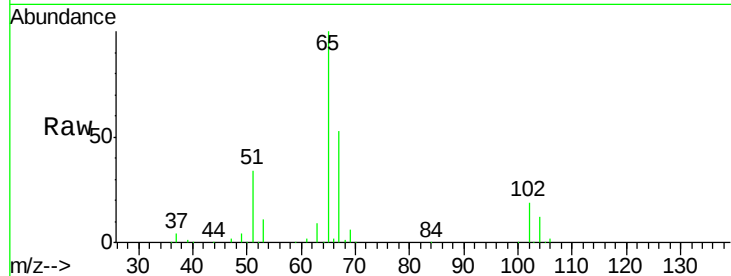
TP-3-GW

Tgt Ion: 65 Resp: 167470

Ion Ratio Lower Upper

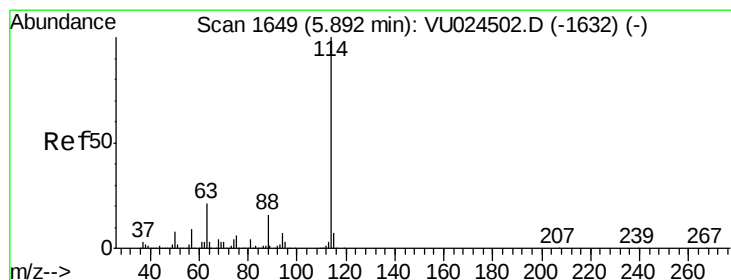
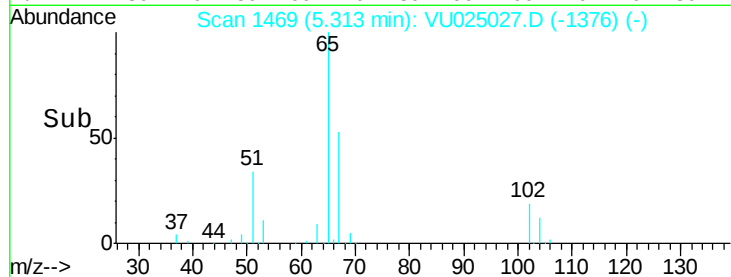
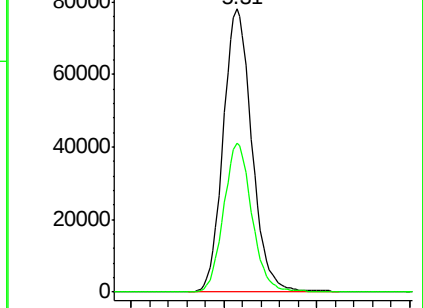
65 100

67 51.9 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU025027.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025027.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025027.D

Acq: 28 Jun 2018 17:54

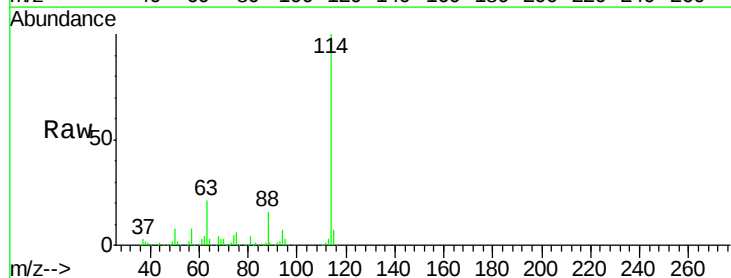
Tgt Ion: 114 Resp: 331012

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.4

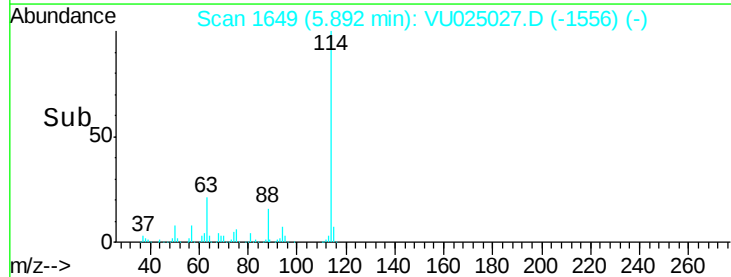
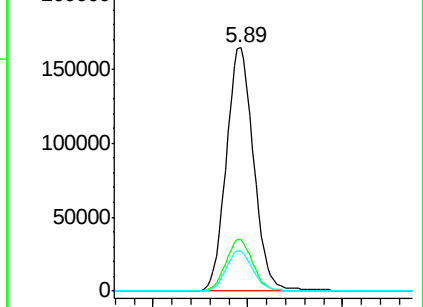
88 16.4 0.0 31.0

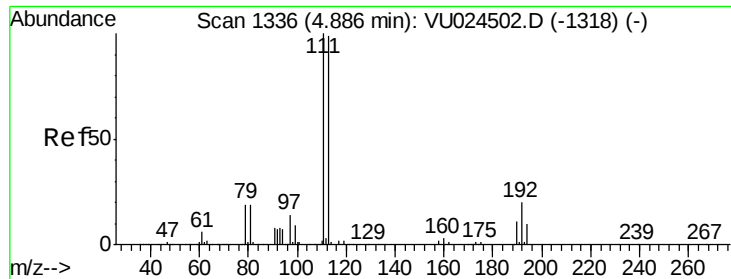


Abundance Ion 113.90 (113.60 to 114.60): VU025027.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU025027.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU025027.D (-1556) (-)

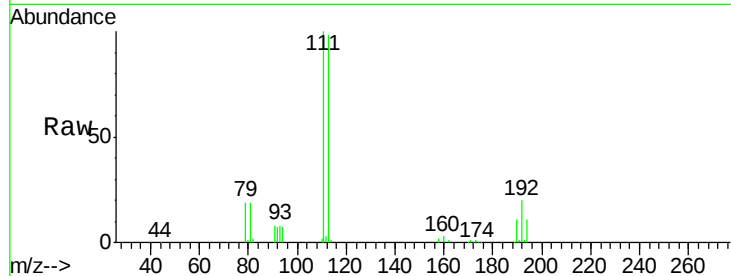




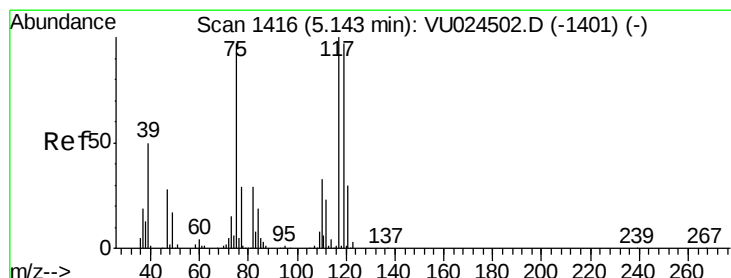
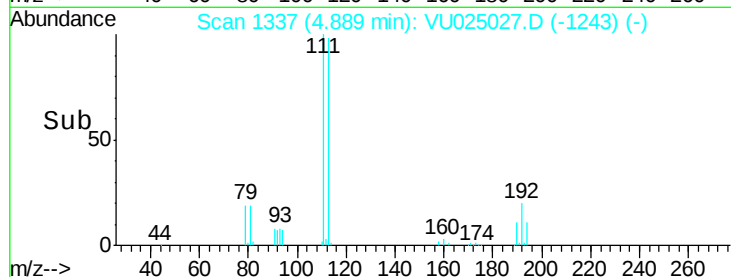
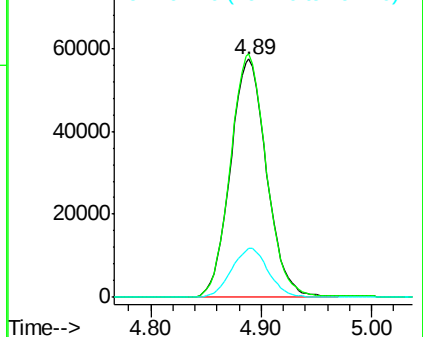
#35
 Dibromofluoromethane
 Concen: 47.602 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025027.D
 Acq: 28 Jun 2018 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-3-GW

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.2	123.4
192	20.9	16.2	24.4

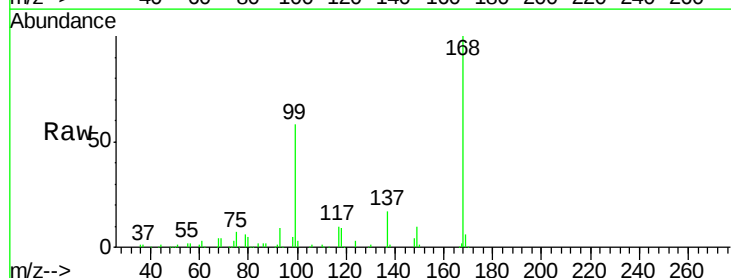


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

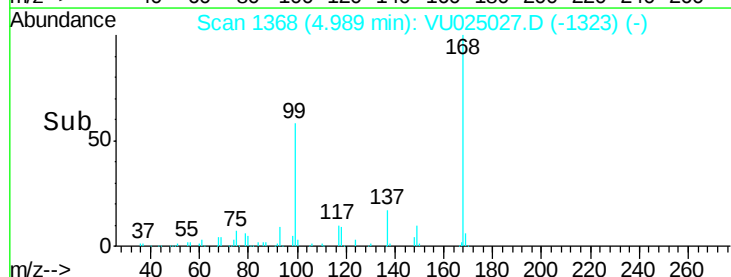
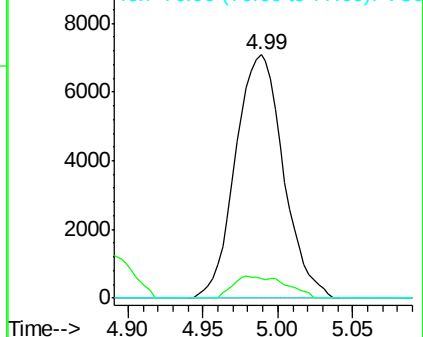


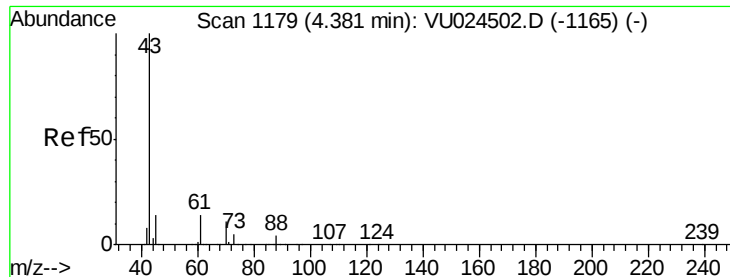
#36
 1,1-Dichloropropene
 Concen: 4.058 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025027.D
 Acq: 28 Jun 2018 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	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

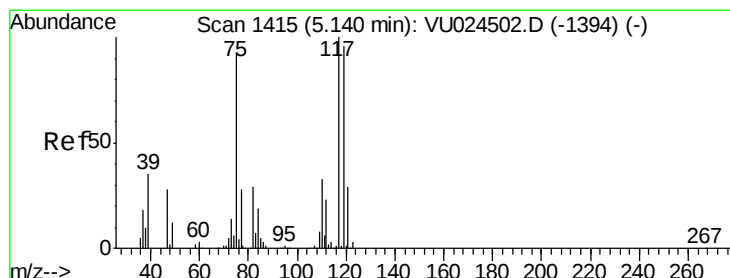
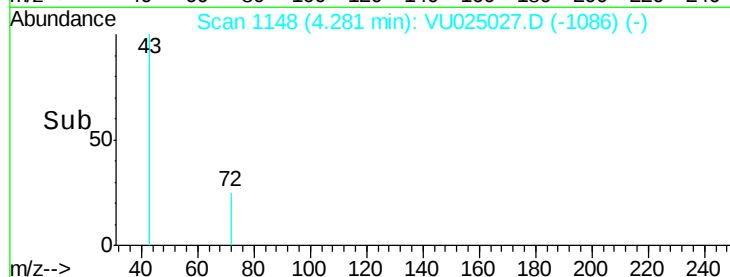
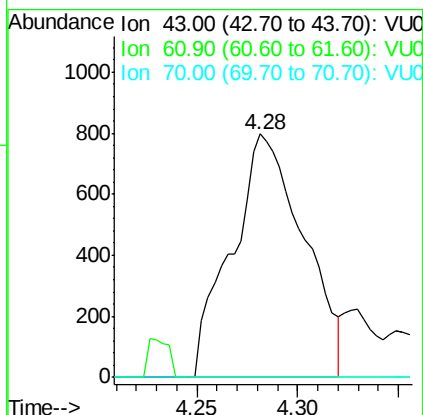
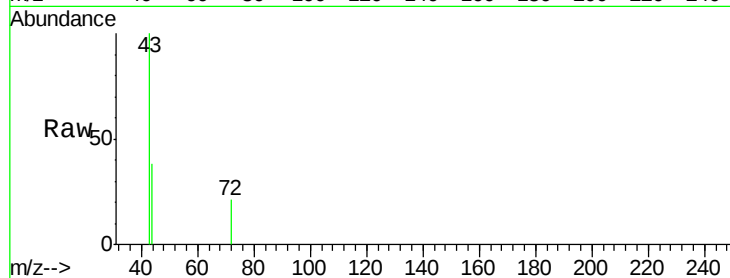




#37
Ethyl Acetate
Concen: 0.466 ug/l
RT: 4.28 min Scan# 1148
Delta R.T. -0.10 min
Lab File: VU025027.D
Acq: 28 Jun 2018 17:54

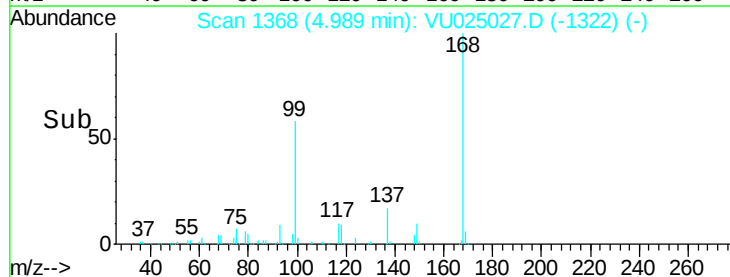
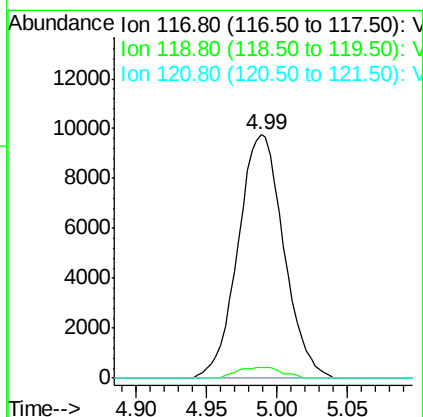
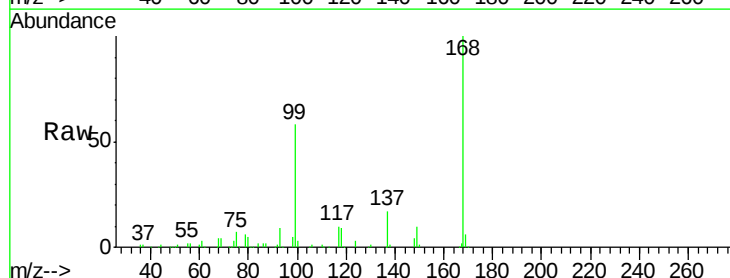
Instrument :
MSVOA_U
ClientSampled :
TP-3-GW

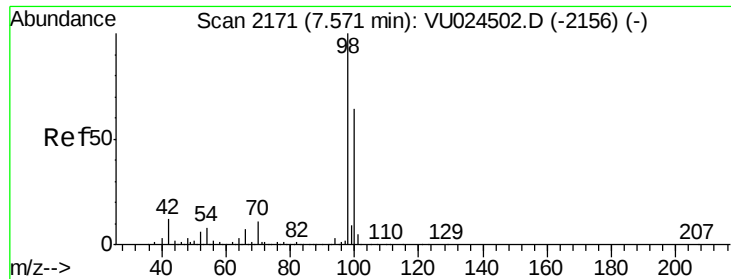
Tgt Ion: 43 Resp: 1977
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.0 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 5.159 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU025027.D
Acq: 28 Jun 2018 17:54

Tgt Ion: 117 Resp: 22068
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 23.7 35.5#

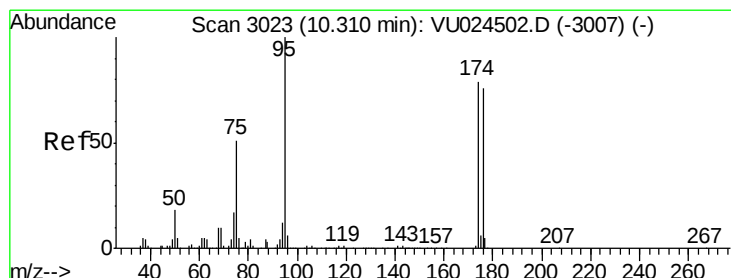
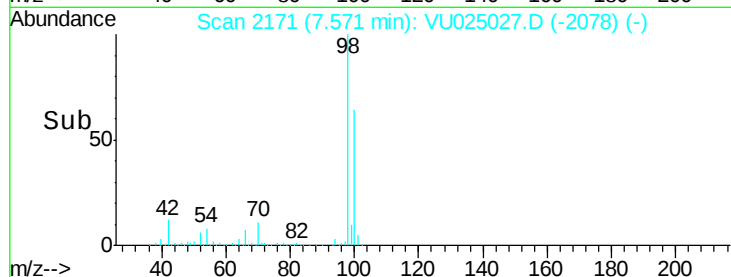
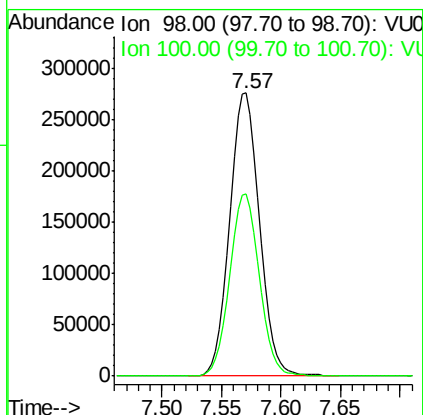
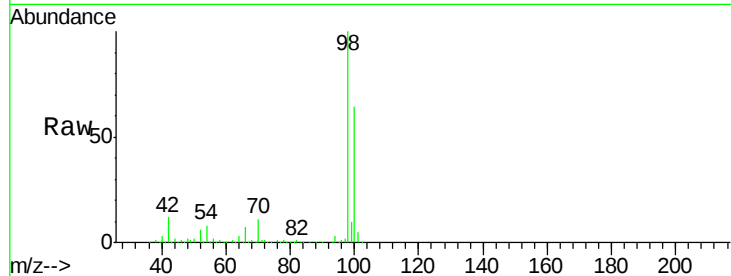




#50
Toluene-d8
Concen: 47.964 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025027.D
Acq: 28 Jun 2018 17:54

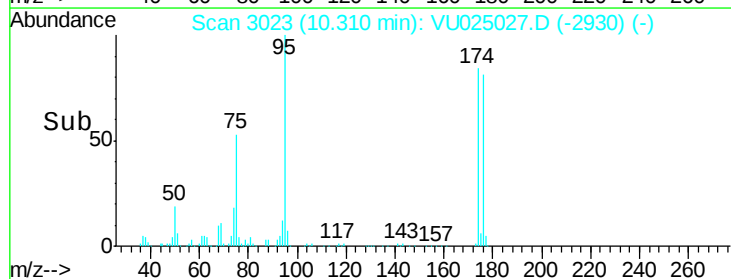
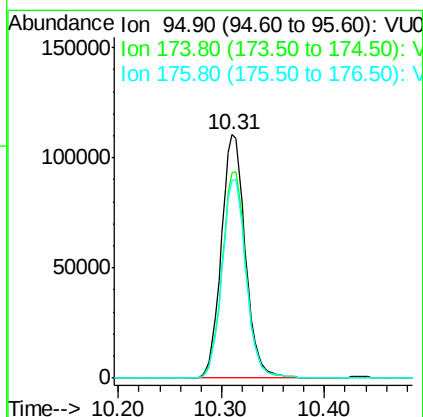
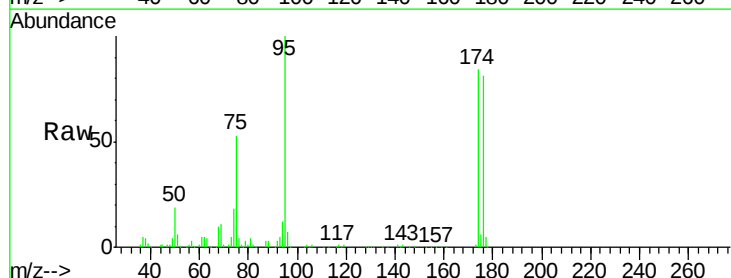
Instrument :
MSVOA_U
ClientSampleId :
TP-3-GW

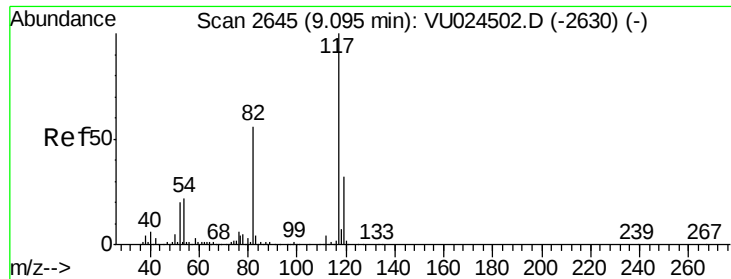
Tgt Ion: 98 Resp: 480626
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 45.160 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025027.D
Acq: 28 Jun 2018 17:54

Tgt Ion: 95 Resp: 179671
Ion Ratio Lower Upper
95 100
174 84.4 0.0 165.8
176 81.5 0.0 159.4

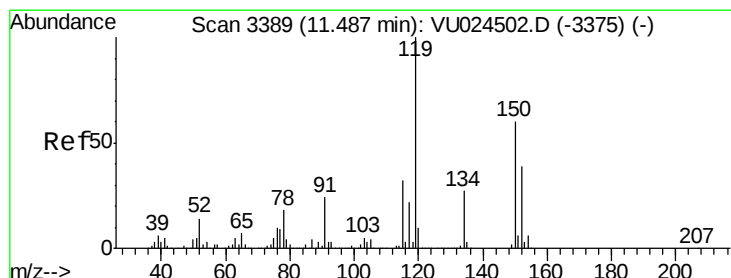
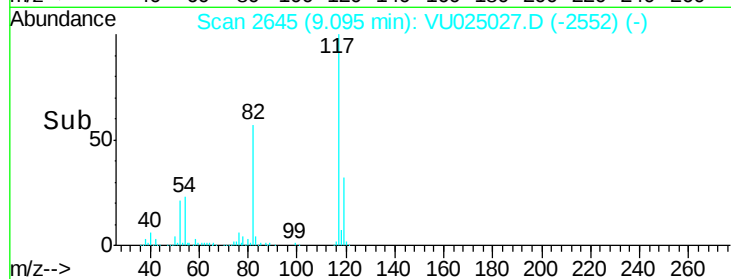
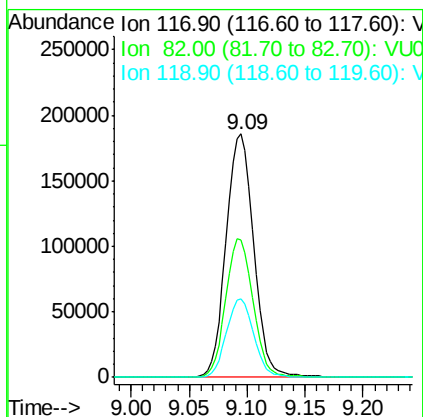
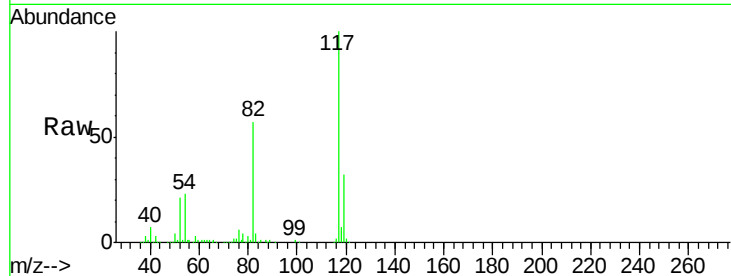




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025027.D
Acq: 28 Jun 2018 17:54

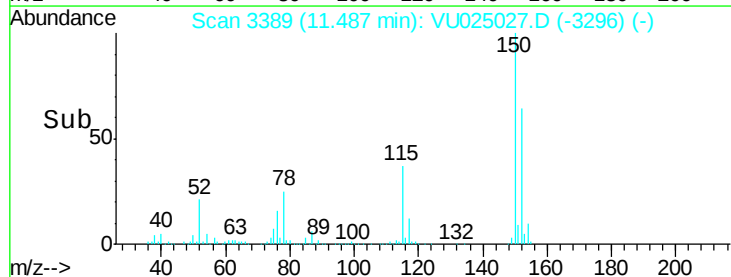
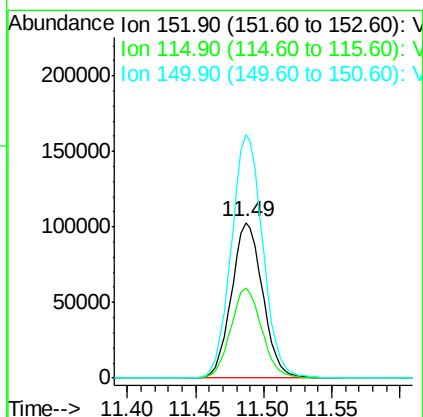
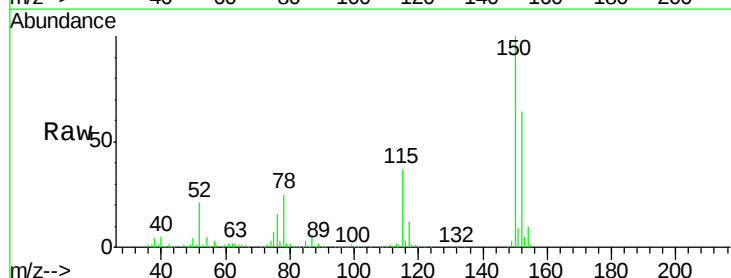
Instrument :
MSVOA_U
ClientSampleId :
TP-3-GW

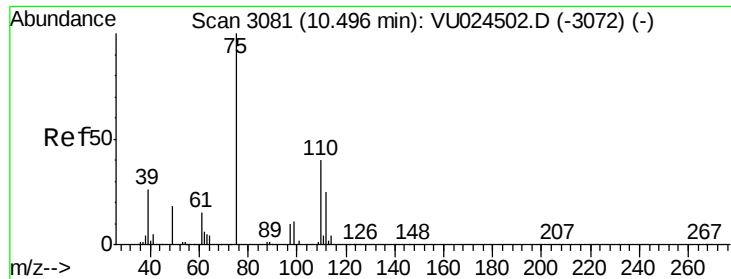
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.3	66.5
119	32.4	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025027.D
Acq: 28 Jun 2018 17:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	43.0	129.0
150	157.6	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 25.895 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025027.D

Acq: 28 Jun 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

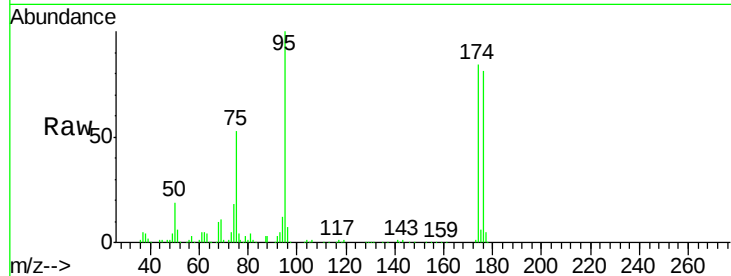
TP-3-GW

Tgt Ion: 75 Resp: 93391

Ion Ratio Lower Upper

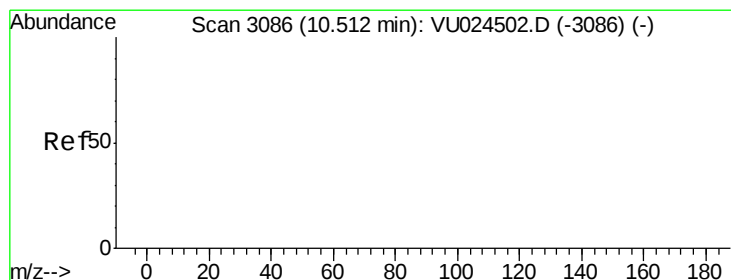
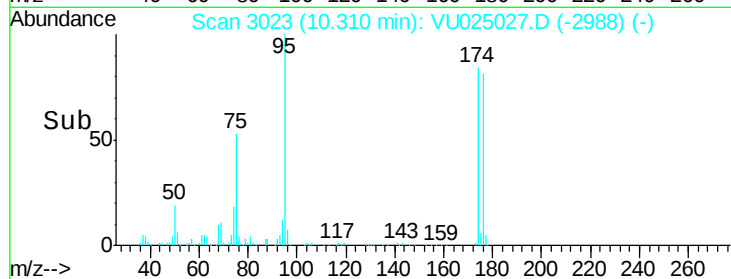
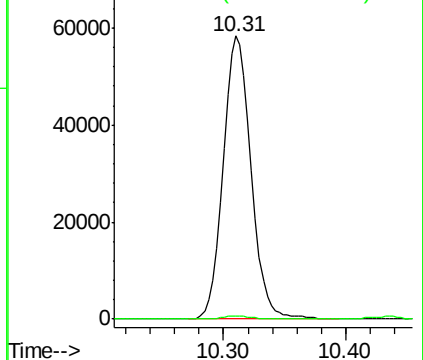
75 100

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: 59.933 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025027.D

Acq: 28 Jun 2018 17:54

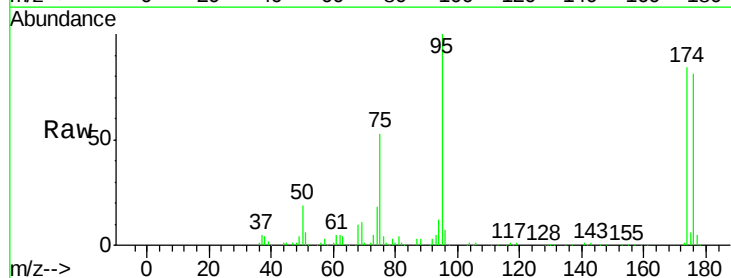
Tgt Ion: 75 Resp: 93391

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

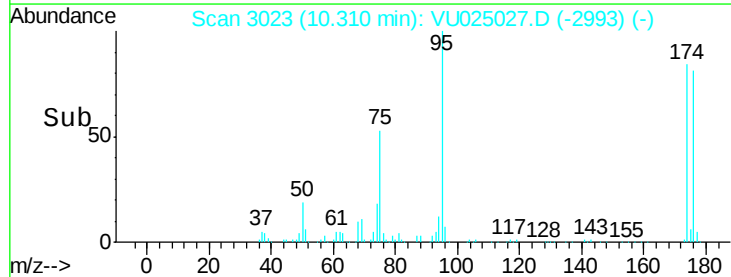
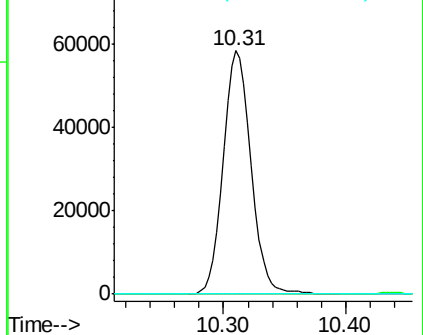
89 0.0 0.0 0.0

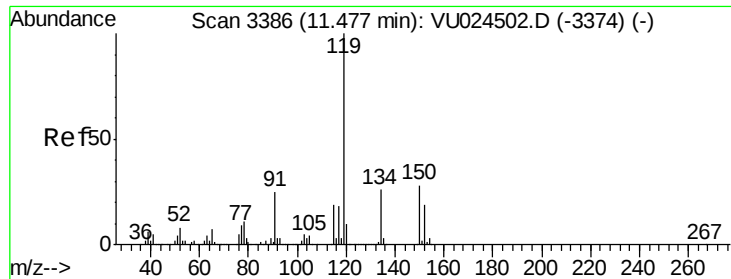


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

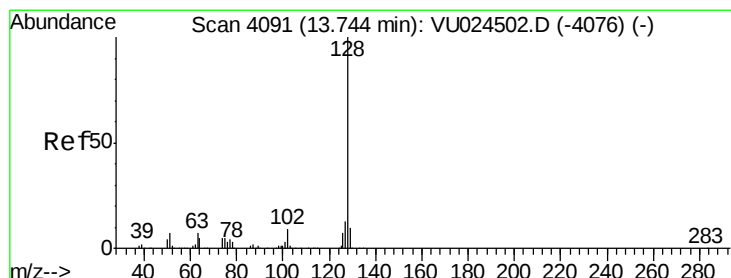
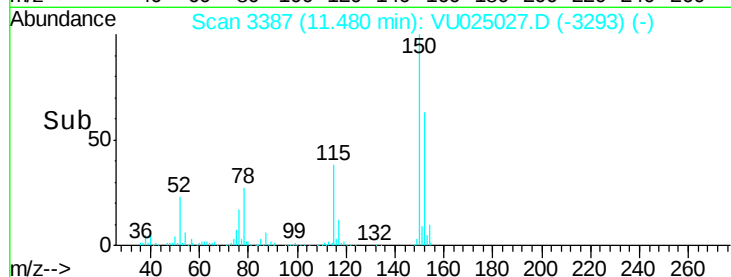
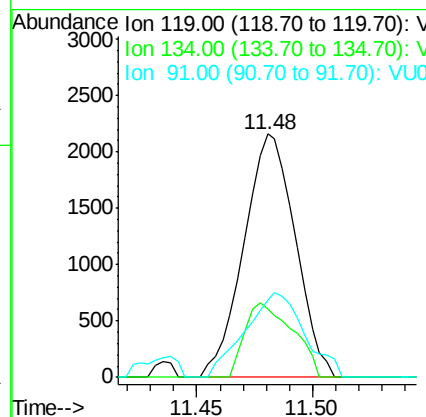
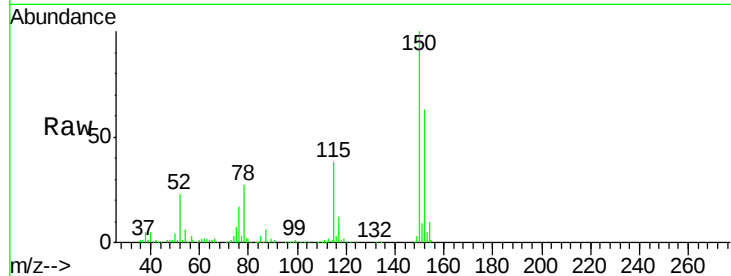




#86
p-Isopropyltoluene
Concen: 0.283 ug/l
RT: 11.48 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VU025027.D
Acq: 28 Jun 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
TP-3-GW

Tgt Ion:119 Resp: 3323
Ion Ratio Lower Upper
119 100
134 28.2 12.9 38.6
91 40.1 12.0 36.1#



#95
Naphthalene
Concen: 1.365 ug/l
RT: 13.75 min Scan# 4093
Delta R.T. 0.01 min
Lab File: VU025027.D
Acq: 28 Jun 2018 17:54

Tgt Ion:128 Resp: 8376
Ion Ratio Lower Upper
128 100
127 11.1 10.6 16.0
129 16.2 8.6 12.8#

