

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025009.D
 Acq On : 28 Jun 2018 10:33
 Operator : MD/SY
 Sample : VU0628WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBL01

Quant Time: Jun 29 05:02:35 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	232147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	349768	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	322536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	168980	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	175200	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
35) Dibromofluoromethane	4.89	113	136400	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
50) Toluene-d8	7.57	98	507761	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
62) 4-Bromofluorobenzene	10.31	95	186498	44.36	ug/l	0.00
Spiked Amount			Recovery	=	88.72%	

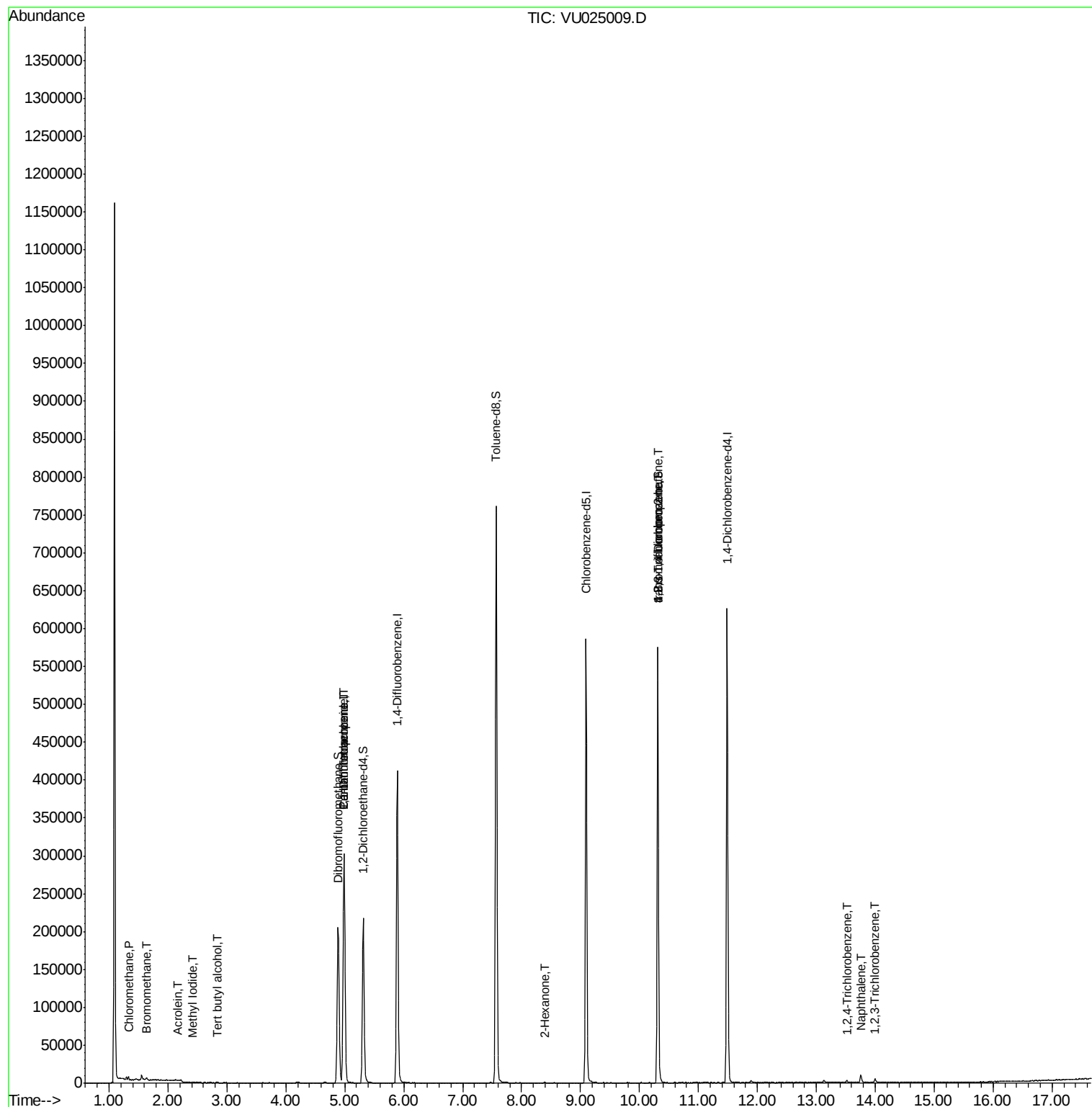
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	3023	1.018	ug/l	93
5) Bromomethane	1.63	94	1078	0.728	ug/l #	78
6) Chloroethane	1.71	64	75	Below Cal	#	43
10) Methyl Iodide	2.42	142	416	5.440	ug/l #	69
11) Tert butyl alcohol	2.83	59	445	0.483	ug/l #	72
13) Acrolein	2.18	56	105	0.217	ug/l #	77
31) Cyclohexane	4.99	56	5188	Below Cal	#	6
36) 1,1-Dichloropropene	4.99	75	17168	4.177	ug/l #	47
38) Carbon Tetrachloride	4.99	117	22582	4.996	ug/l #	16
59) 2-Hexanone	8.39	43	936	0.236	ug/l #	54
76) 1,2,3-Trichloropropane	10.31	75	97163	26.117	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	97163	60.445	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	1366	0.364	ug/l	97
95) Naphthalene	13.75	128	11384	1.583	ug/l	95
96) 1,2,3-Trichlorobenzene	14.00	180	2190	0.586	ug/l	94

(#) = 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: VU025009.D

Acq: 28 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

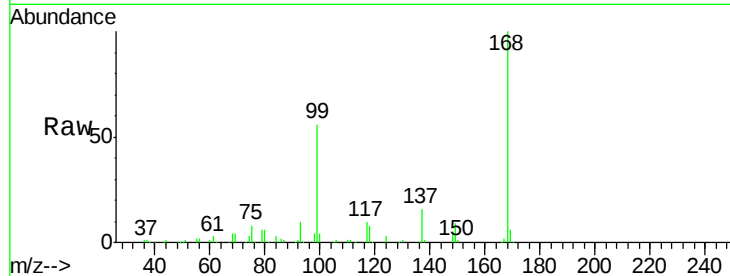
VU0628WBL01

Tgt Ion:168 Resp: 232147

Ion Ratio Lower Upper

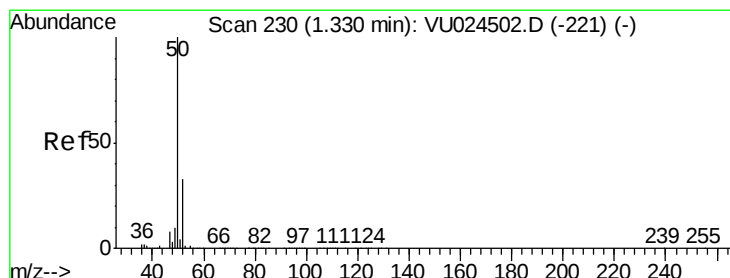
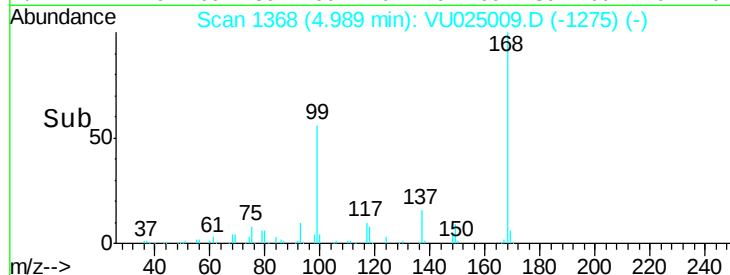
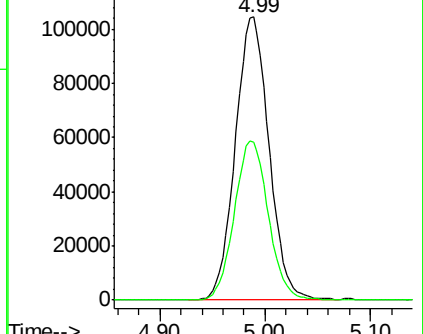
168 100

99 55.8 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: 1.018 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025009.D

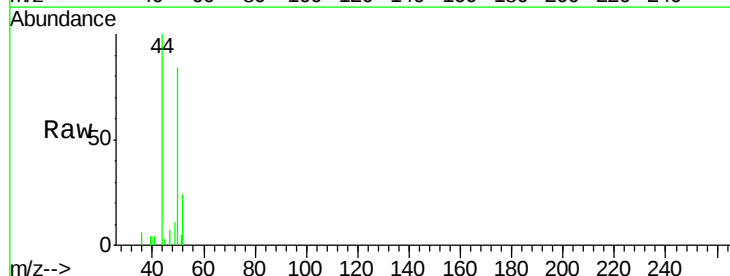
Acq: 28 Jun 2018 10:33

Tgt Ion: 50 Resp: 3023

Ion Ratio Lower Upper

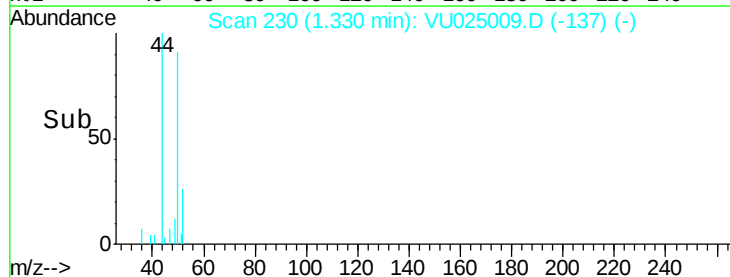
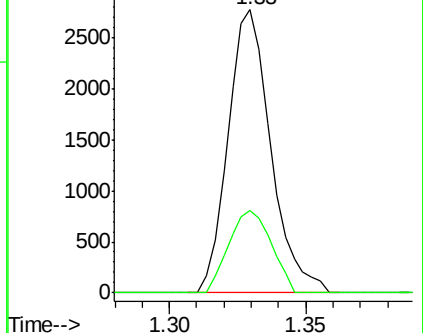
50 100

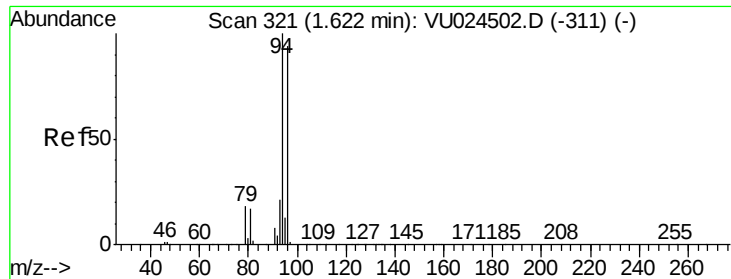
52 28.9 26.4 39.6



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

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





#5

Bromomethane

Concen: 0.728 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU025009.D

Acq: 28 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

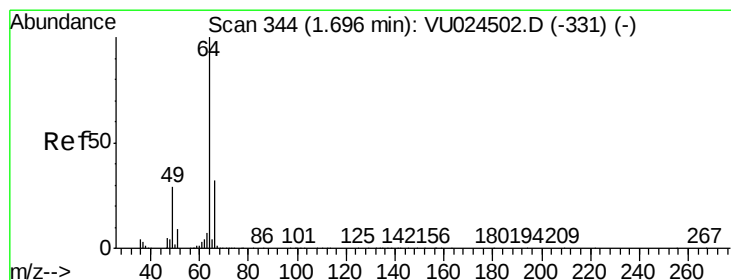
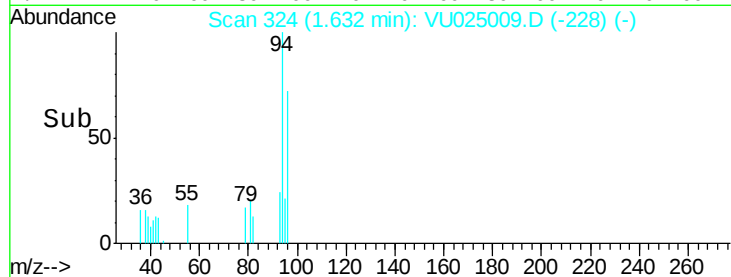
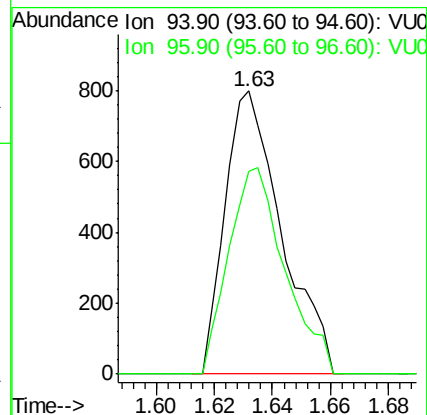
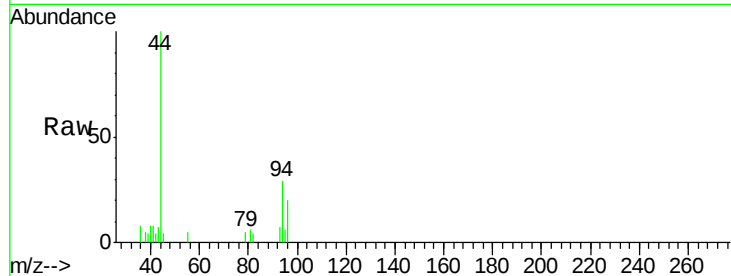
VU0628WBL01

Tgt Ion: 94 Resp: 1078

Ion Ratio Lower Upper

94 100

96 71.6 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 348

Delta R.T. 0.01 min

Lab File: VU025009.D

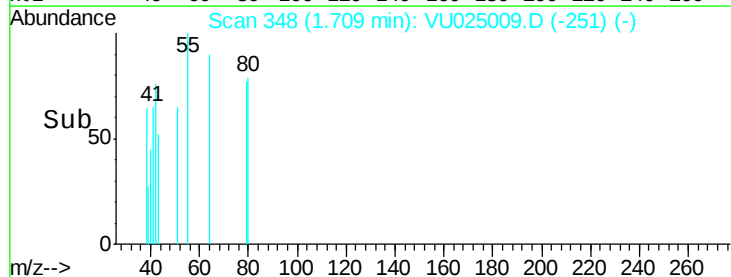
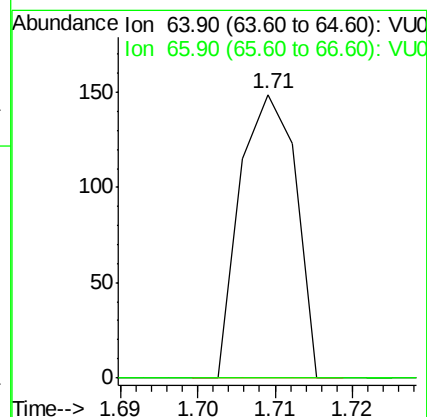
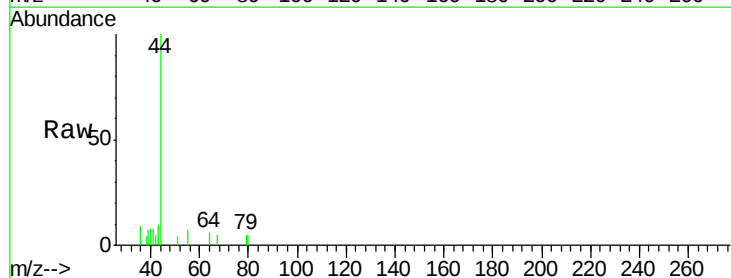
Acq: 28 Jun 2018 10:33

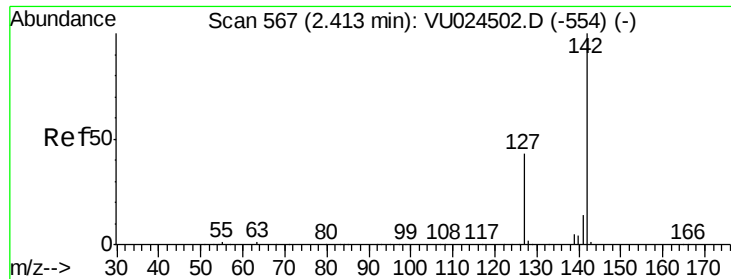
Tgt Ion: 64 Resp: 75

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

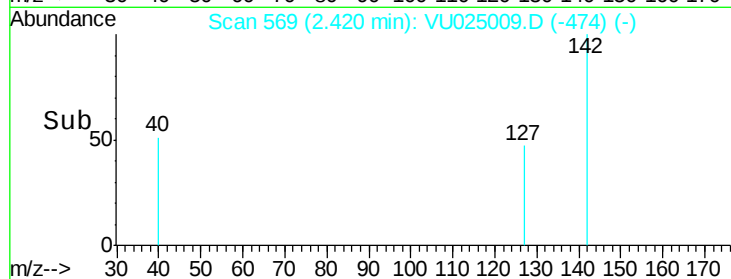
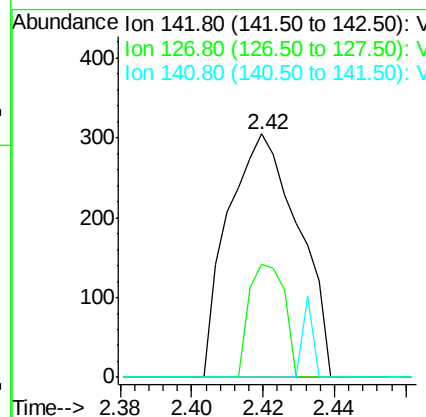
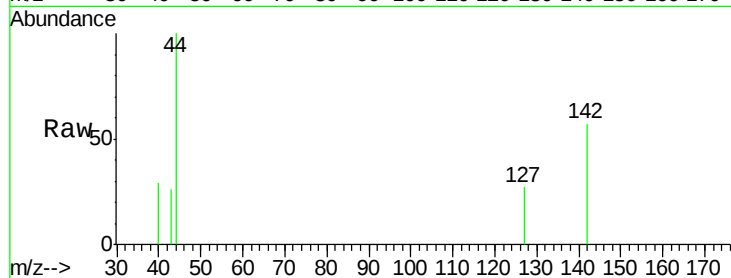




#10
Methyl Iodide
Concen: 5.440 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU025009.D
Acq: 28 Jun 2018 10:33

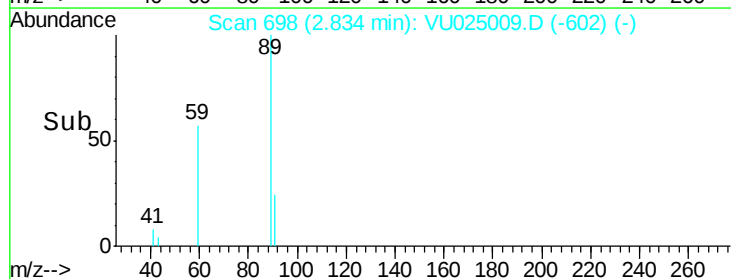
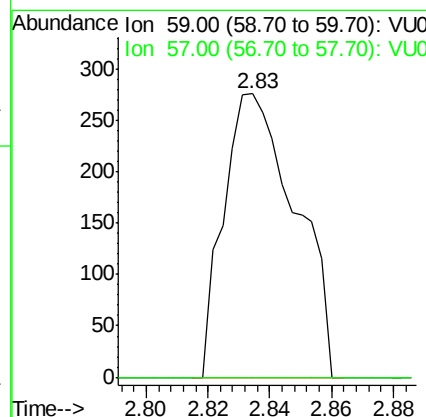
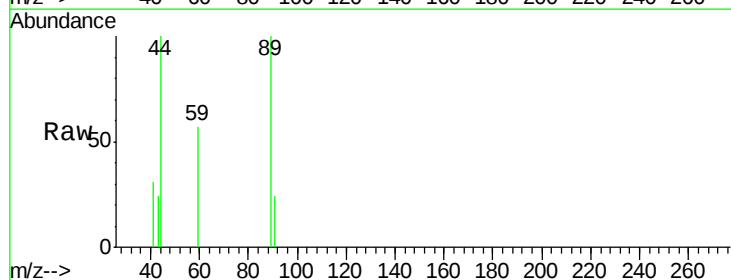
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL01

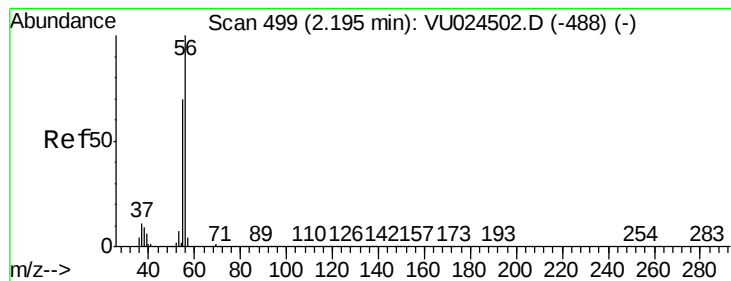
Tgt Ion: 142 Resp: 416
Ion Ratio Lower Upper
142 100
127 23.3 35.6 53.4#
141 4.6 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.483 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025009.D
Acq: 28 Jun 2018 10:33

Tgt Ion: 59 Resp: 445
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.217 ug/l

RT: 2.18 min Scan# 493

Delta R.T. -0.02 min

Lab File: VU025009.D

Acq: 28 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampled :

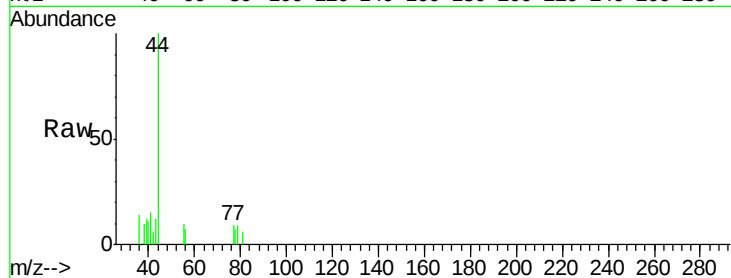
VU0628WBL01

Tgt Ion: 56 Resp: 105

Ion Ratio Lower Upper

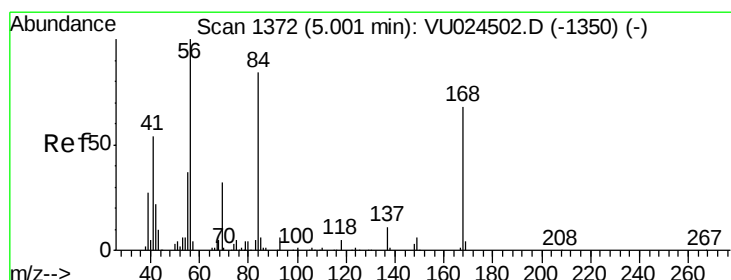
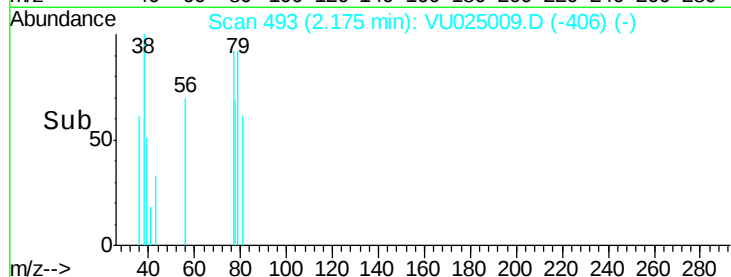
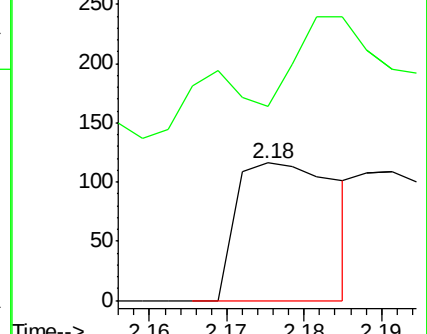
56 100

55 53.3 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025009.D

Acq: 28 Jun 2018 10:33

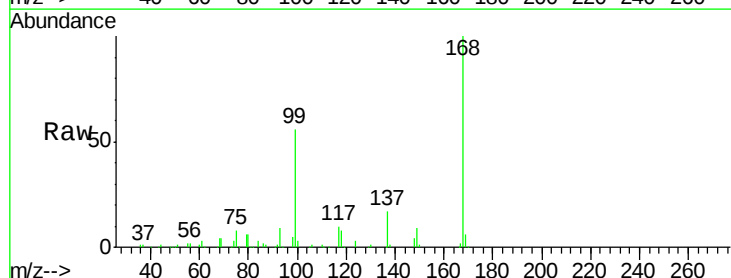
Tgt Ion: 56 Resp: 5188

Ion Ratio Lower Upper

56 100

69 162.9 24.8 37.2#

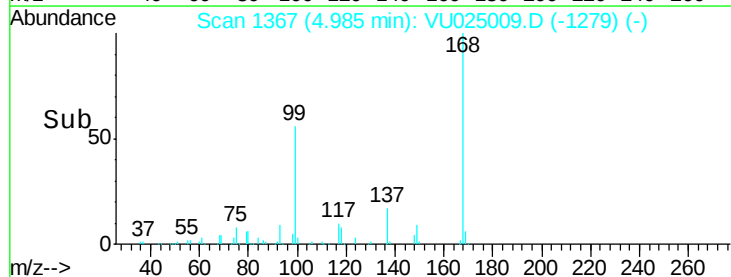
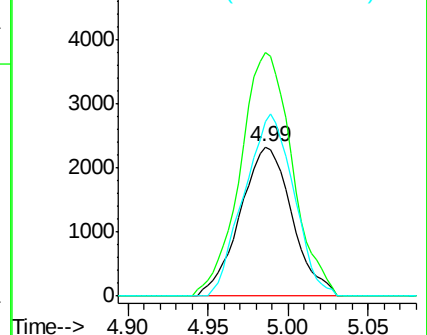
84 116.5 65.2 97.8#

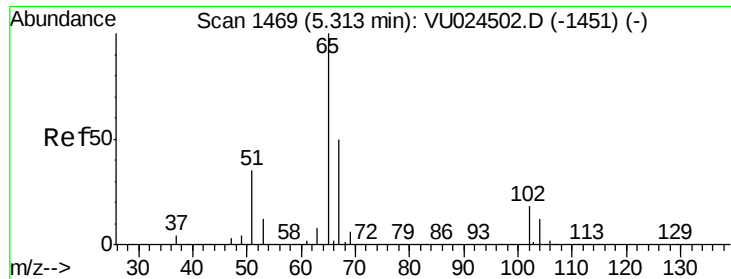


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

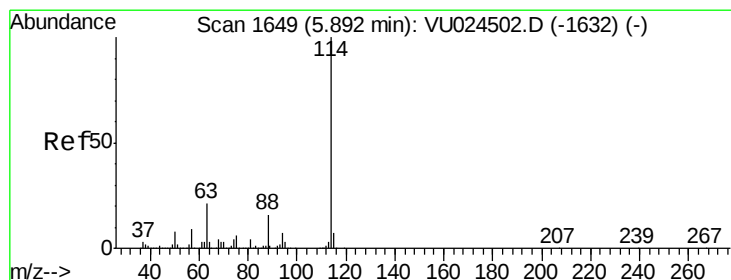
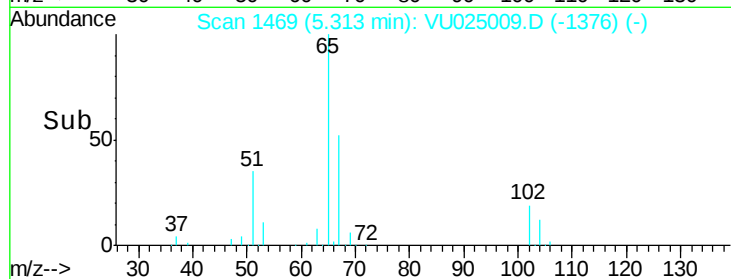
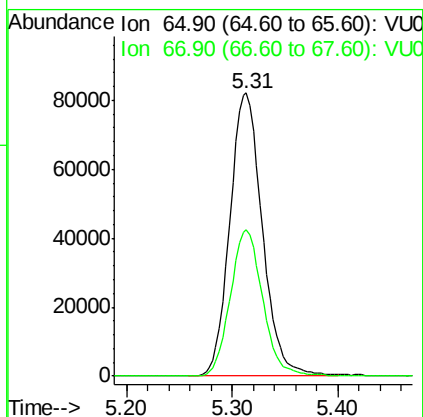
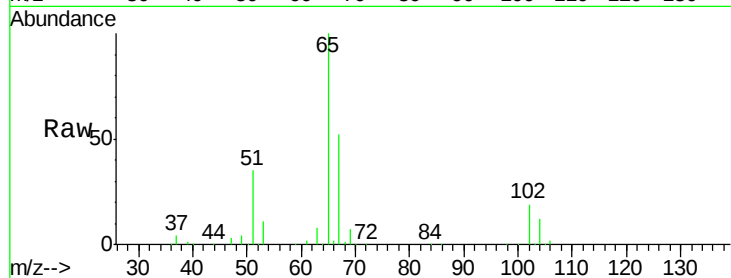




#33
 1,2-Dichloroethane-d4
 Concen: 46.229 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025009.D
 Acq: 28 Jun 2018 10:33

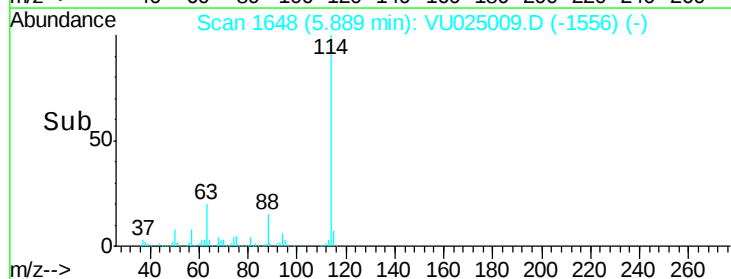
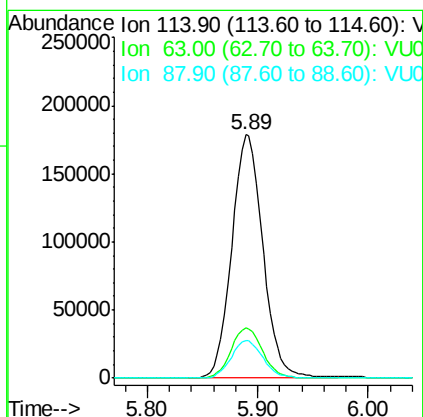
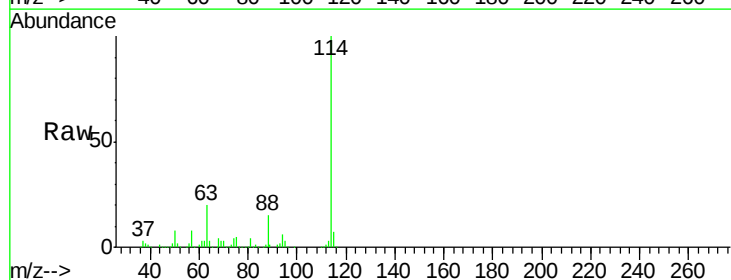
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBL01

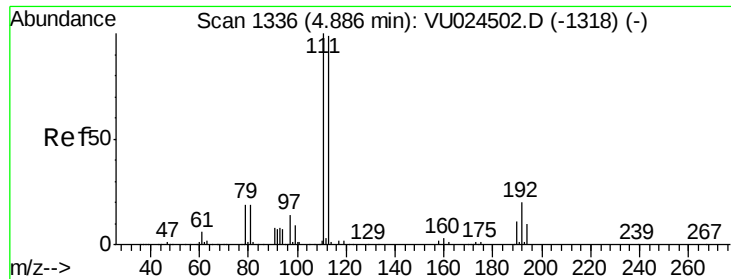
Tgt Ion: 65 Resp: 175200
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025009.D
 Acq: 28 Jun 2018 10:33

Tgt Ion: 114 Resp: 349768
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 45.4
 88 15.4 0.0 31.0

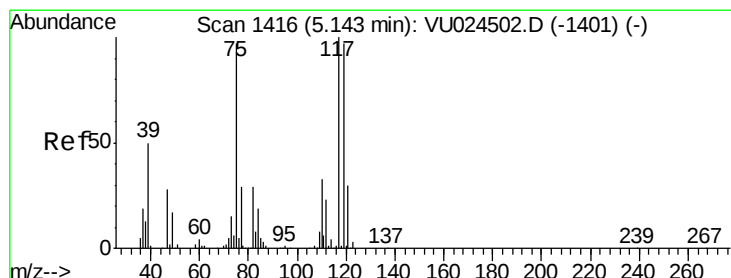
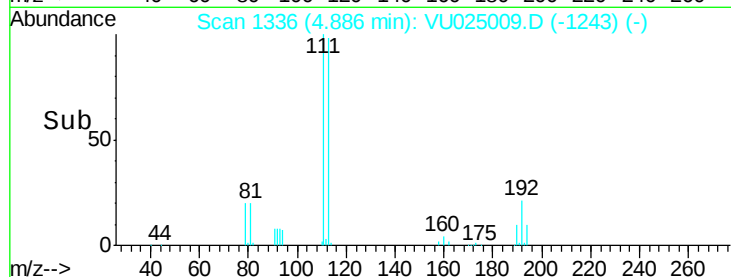
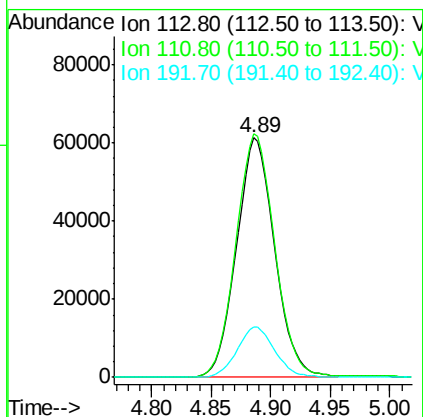
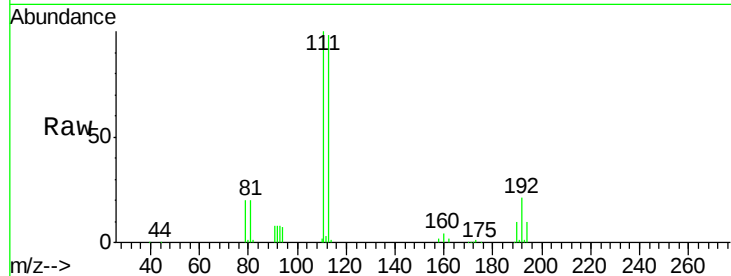




#35
 Dibromofluoromethane
 Concen: 46.989 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025009.D
 Acq: 28 Jun 2018 10:33

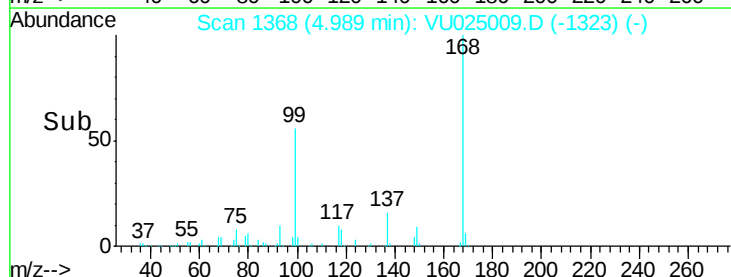
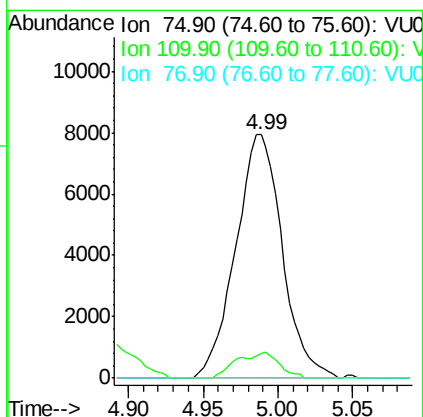
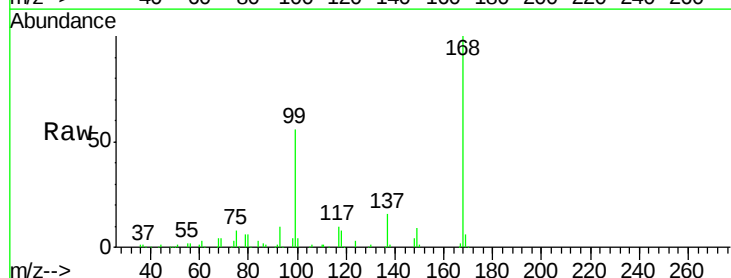
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBL01

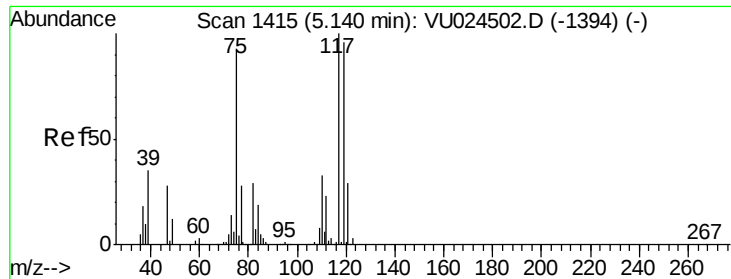
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	20.8	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.177 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025009.D
 Acq: 28 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.5	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.996 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025009.D

Acq: 28 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBL01

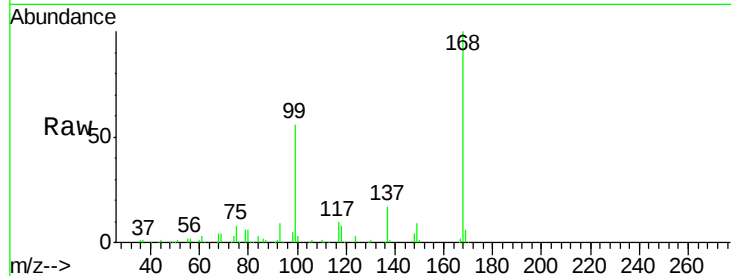
Tgt Ion:117 Resp: 22582

Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

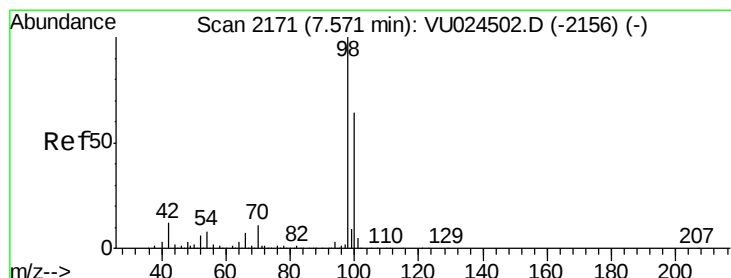
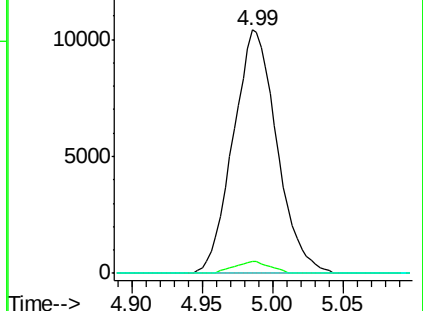
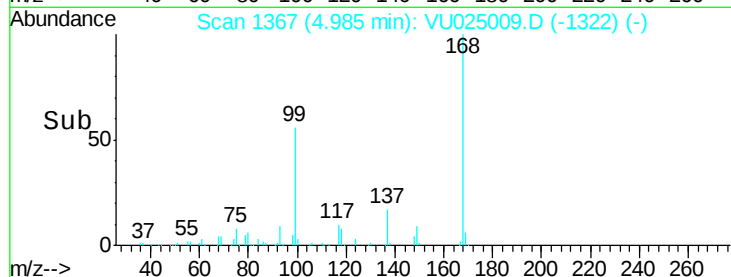
121 0.0 23.7 35.5#



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: 47.955 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025009.D

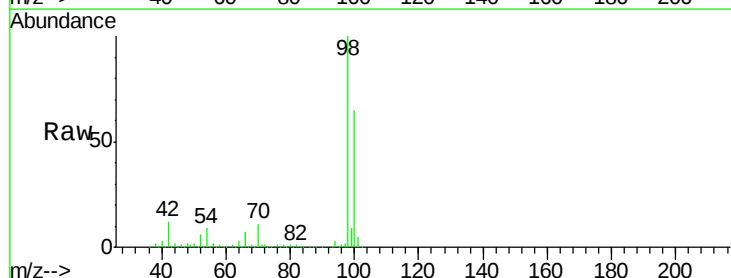
Acq: 28 Jun 2018 10:33

Tgt Ion: 98 Resp: 507761

Ion Ratio Lower Upper

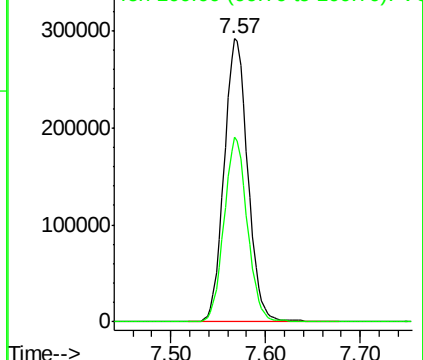
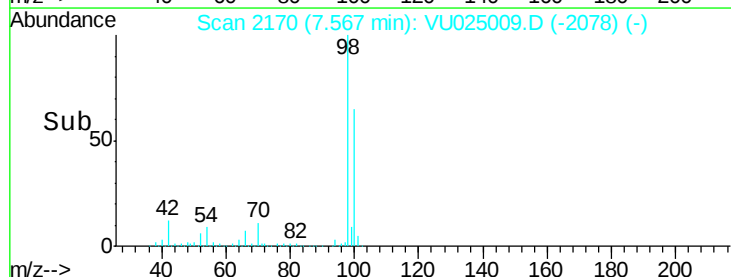
98 100

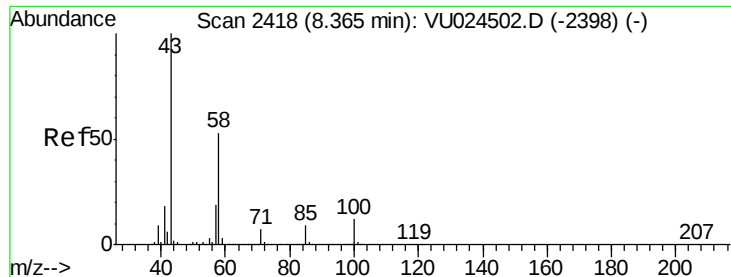
100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

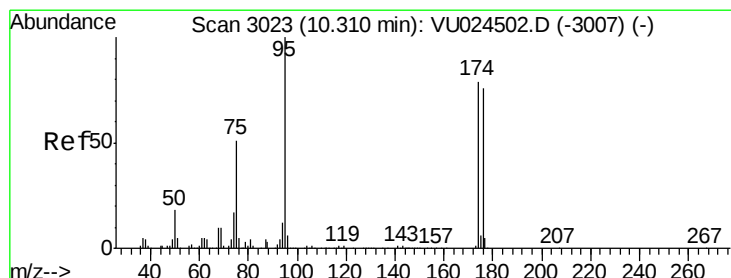
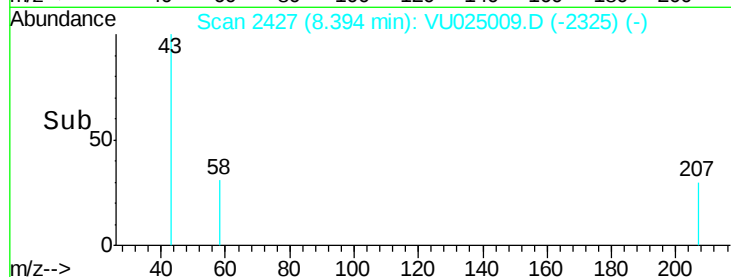
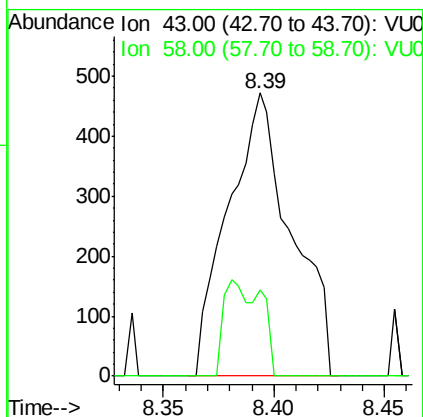
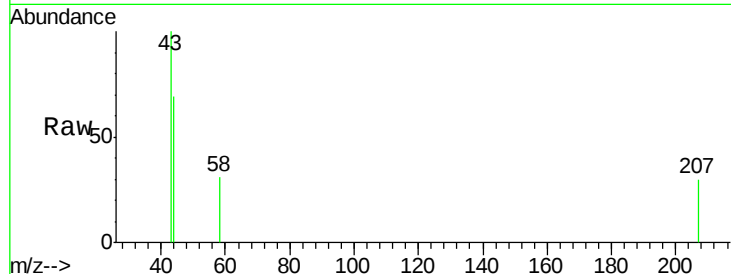




#59
2-Hexanone
Concen: 0.236 ug/l
RT: 8.39 min Scan# 2427
Delta R.T. 0.03 min
Lab File: VU025009.D
Acq: 28 Jun 2018 10:33

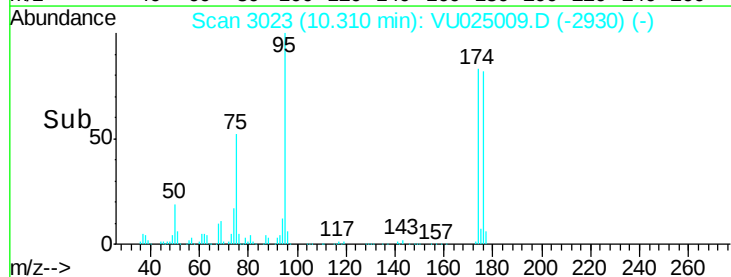
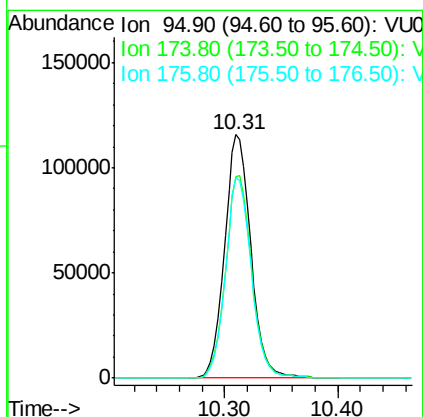
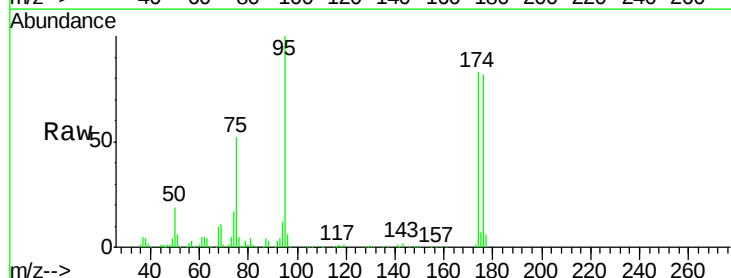
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL01

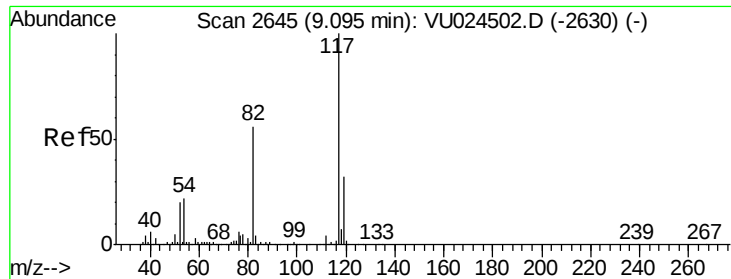
Tgt Ion: 43 Resp: 936
Ion Ratio Lower Upper
43 100
58 19.9 26.4 79.0#



#62
4-Bromofluorobenzene
Concen: 44.362 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025009.D
Acq: 28 Jun 2018 10:33

Tgt Ion: 95 Resp: 186498
Ion Ratio Lower Upper
95 100
174 83.3 0.0 165.8
176 81.4 0.0 159.4

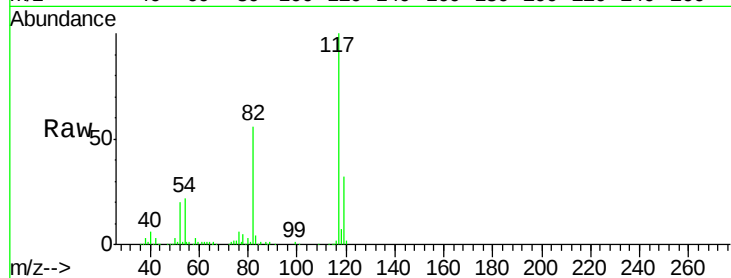




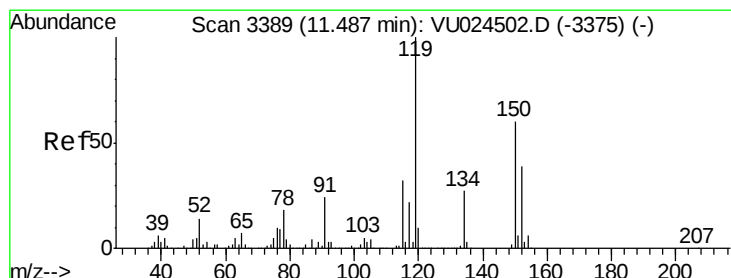
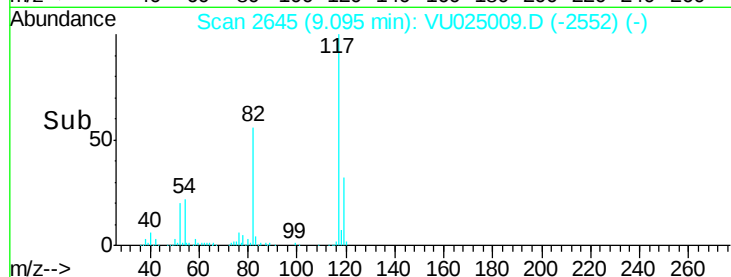
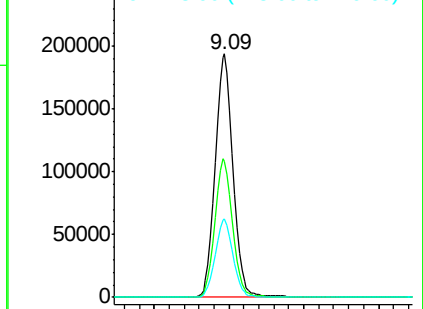
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025009.D
Acq: 28 Jun 2018 10:33

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.3	66.5
119	32.0	25.4	38.2

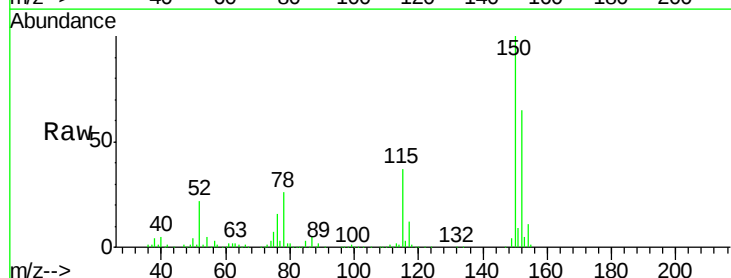


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

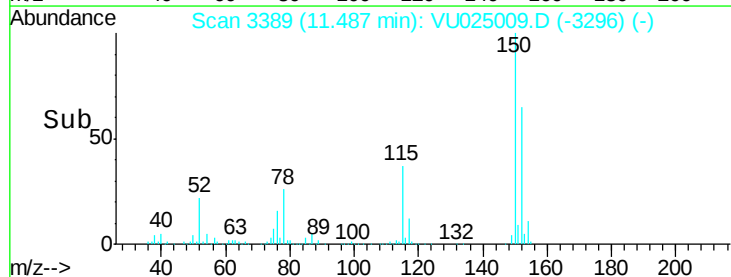
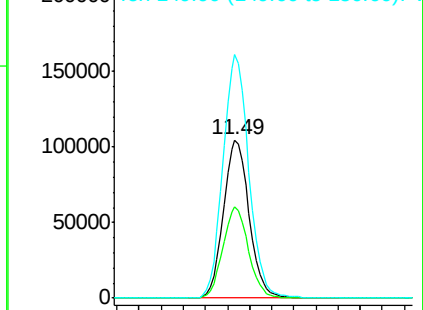


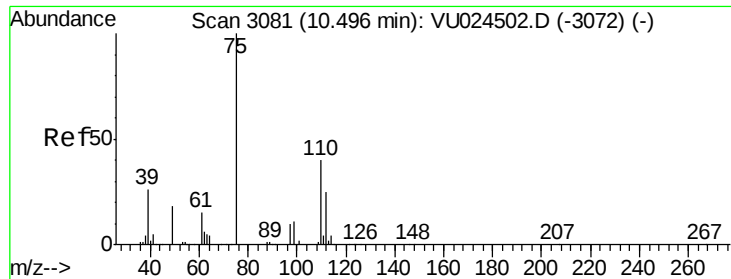
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025009.D
Acq: 28 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	43.0	129.0
150	155.0	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: 26.117 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025009.D

Acq: 28 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

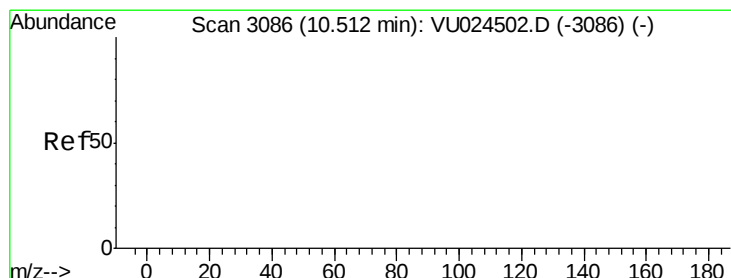
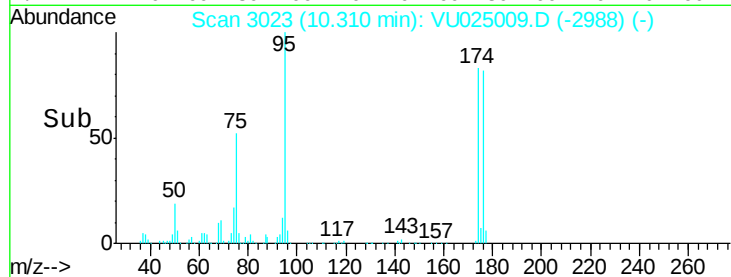
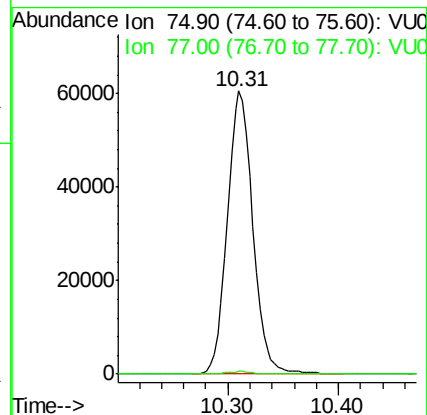
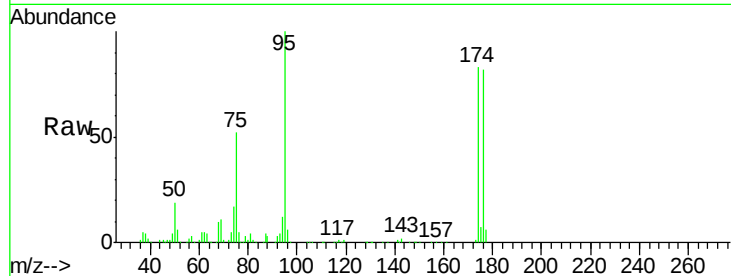
VU0628WBL01

Tgt Ion: 75 Resp: 97163

Ion Ratio Lower Upper

75 100

77 0.9 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.445 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025009.D

Acq: 28 Jun 2018 10:33

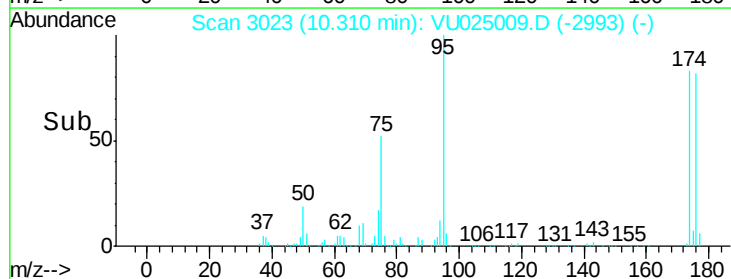
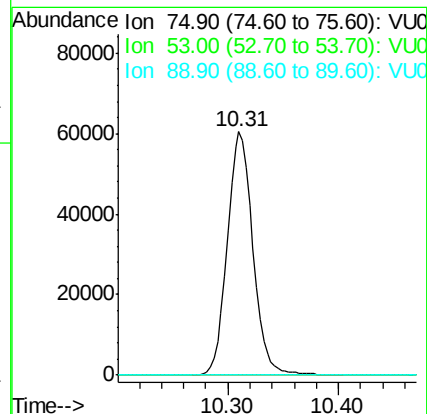
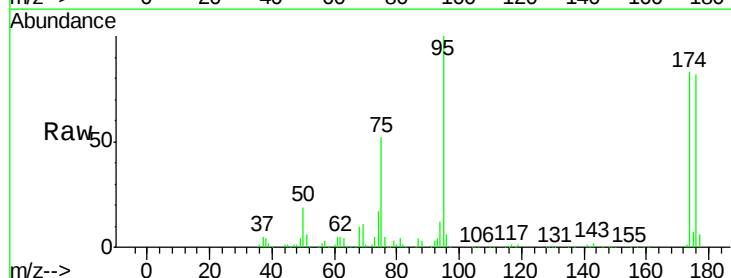
Tgt Ion: 75 Resp: 97163

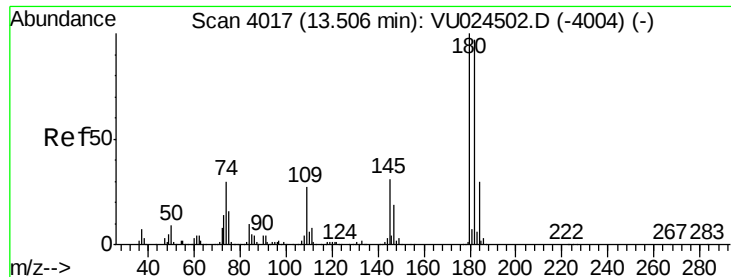
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

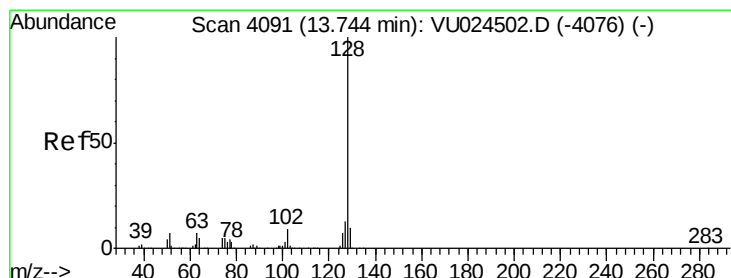
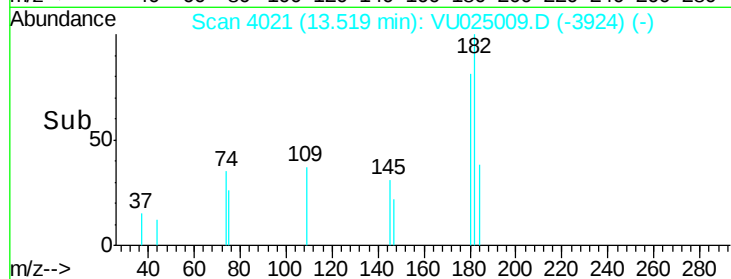
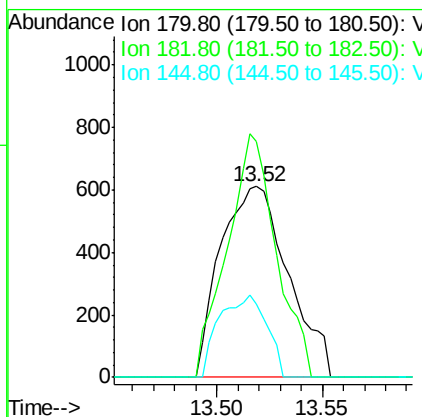
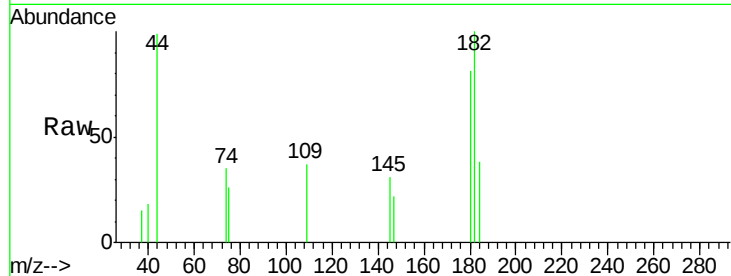




#93
 1,2,4-Trichlorobenzene
 Concen: 0.364 ug/l
 RT: 13.52 min Scan# 4021
 Delta R.T. 0.01 min
 Lab File: VU025009.D
 Acq: 28 Jun 2018 10:33

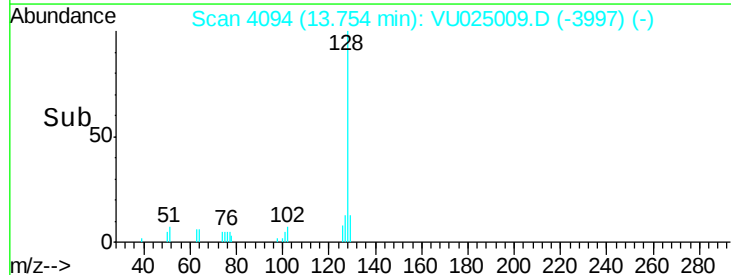
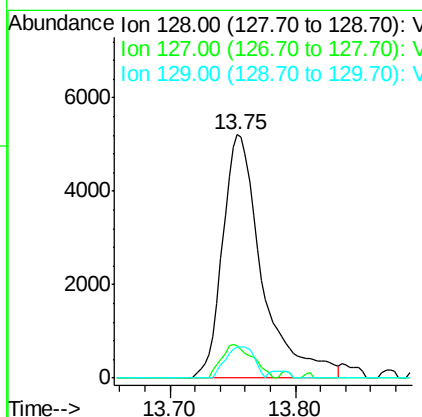
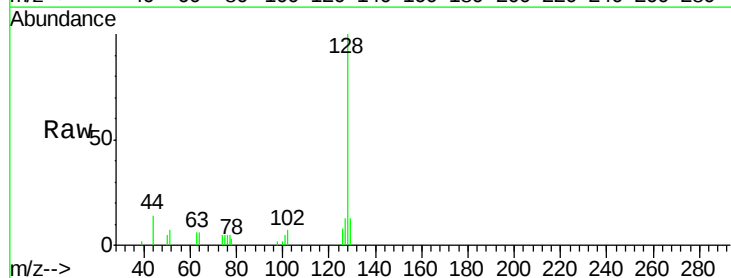
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBL01

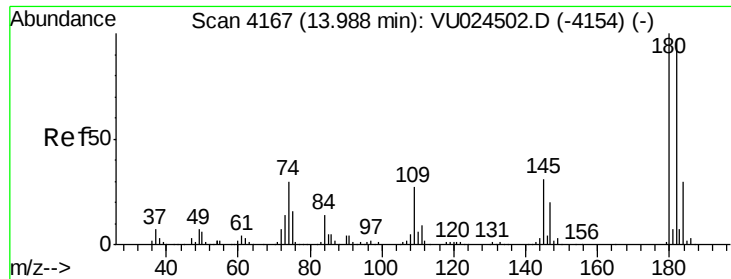
Tgt Ion:180 Resp: 1366
 Ion Ratio Lower Upper
 180 100
 182 92.0 48.0 144.2
 145 29.9 14.7 44.1



#95
 Naphthalene
 Concen: 1.583 ug/l
 RT: 13.75 min Scan# 4094
 Delta R.T. 0.01 min
 Lab File: VU025009.D
 Acq: 28 Jun 2018 10:33

Tgt Ion:128 Resp: 11384
 Ion Ratio Lower Upper
 128 100
 127 10.8 10.6 16.0
 129 9.2 8.6 12.8

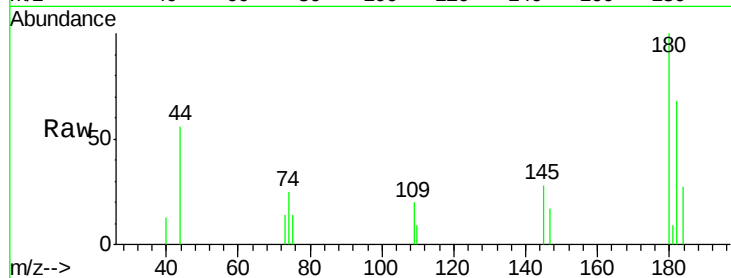




#96
 1,2,3-Trichlorobenzene
 Concen: 0.586 ug/l
 RT: 14.00 min Scan# 4170
 Delta R.T. 0.01 min
 Lab File: VU025009.D
 Acq: 28 Jun 2018 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBL01

Tgt Ion:180 Resp: 2190
 Ion Ratio Lower Upper
 180 100
 182 89.1 47.9 143.7
 145 28.8 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

