

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024518.D
 Acq On : 13 Jun 2018 19:18
 Operator : MD/SY
 Sample : PB110190ZHE#17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB110190ZHE#17

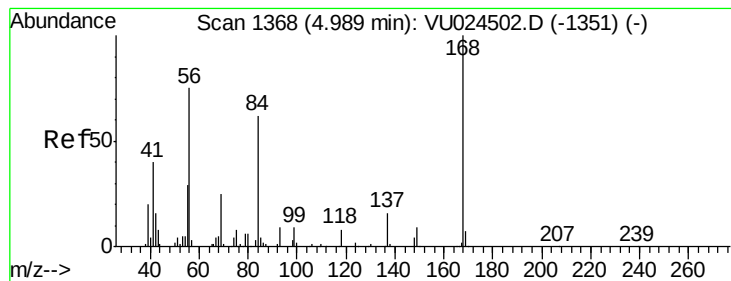
Quant Time: Jun 14 02:20:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	180795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309441	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	298617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	172870	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	146447	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	4.89	113	125323	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	7.57	98	457009	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	10.31	95	182683	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	180	Below Cal	#	85
8) Diethyl Ether	2.10	74	121	Below Cal		84
10) Methyl Iodide	2.27	142	69	5.32	ug/l #	1
11) Tert butyl alcohol	2.84	59	1999	2.78	ug/l	99
13) Acrolein	2.20	56	603	1.60	ug/l #	13
16) Acetone	2.32	43	18721	11.81	ug/l	97
18) Methyl Acetate	2.62	43	16201	4.77	ug/l	98
20) Methylene Chloride	2.71	84	3288	1.32	ug/l	90
25) 2-Butanone	4.28	43	4413	2.07	ug/l #	86
29) Tetrahydrofuran	4.64	42	402	0.30	ug/l #	34
31) Cyclohexane	4.99	56	3829	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13086	3.60	ug/l #	51
38) Carbon Tetrachloride	4.99	117	17162	4.29	ug/l #	16
43) Isopropyl Acetate	5.79	43	56924	8.31	ug/l #	63
51) 4-Methyl-2-Pentanone	7.47	43	2692	0.63	ug/l	99
65) Chlorobenzene	9.12	112	4771	0.63	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	90281	23.72	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	90281	54.90	ug/l #	100
95) Naphthalene	13.77	128	137	0.69	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VU024518.D

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ClientSampleId :

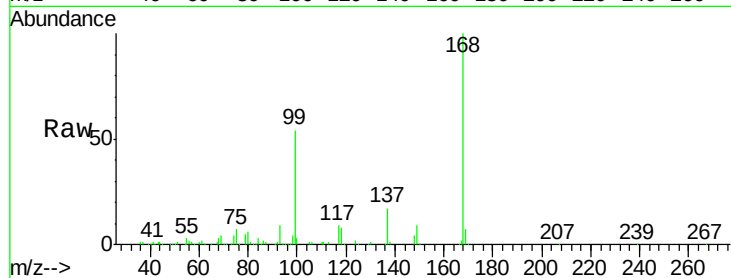
PB110190ZHE#17

Tgt Ion:168 Resp: 180795

Ion Ratio Lower Upper

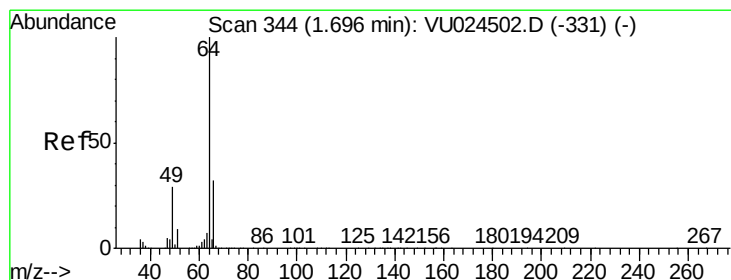
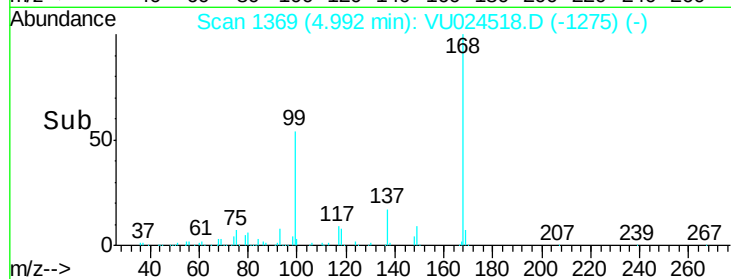
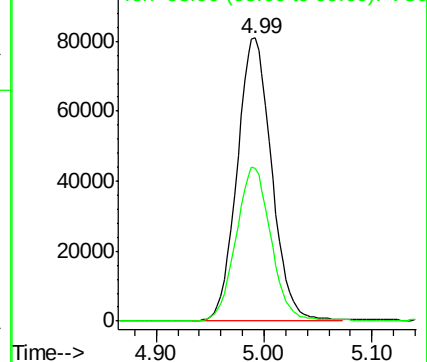
168 100

99 54.1 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024518.D

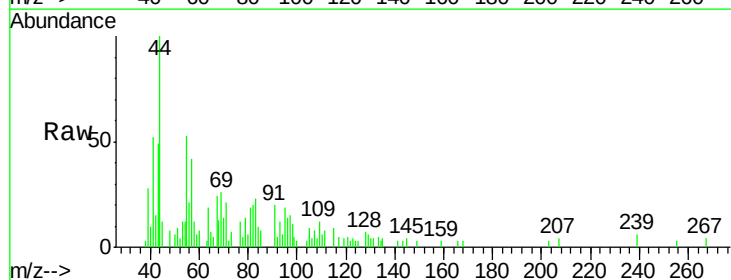
Acq: 13 Jun 2018 19:18

Tgt Ion: 64 Resp: 180

Ion Ratio Lower Upper

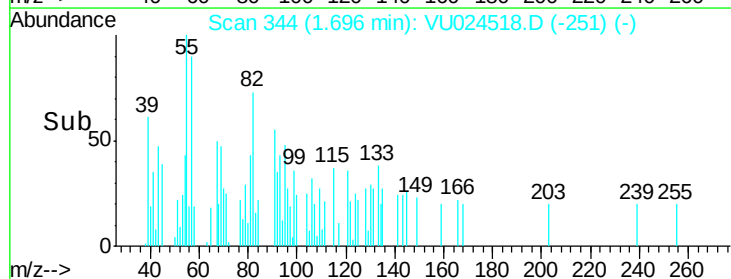
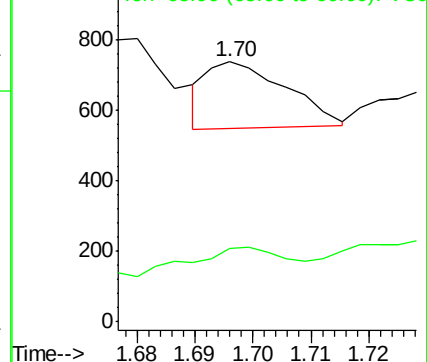
64 100

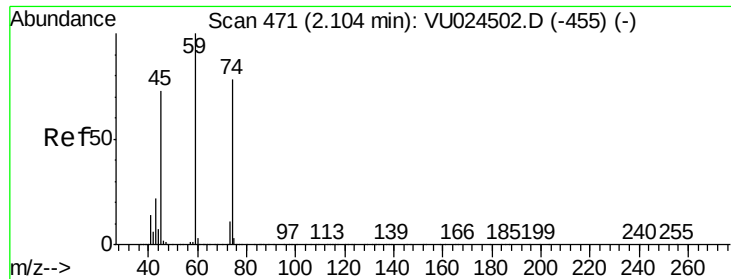
66 23.7 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#8

Diethyl Ether

Concen: Below Cal

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024518.D

Acq: 13 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

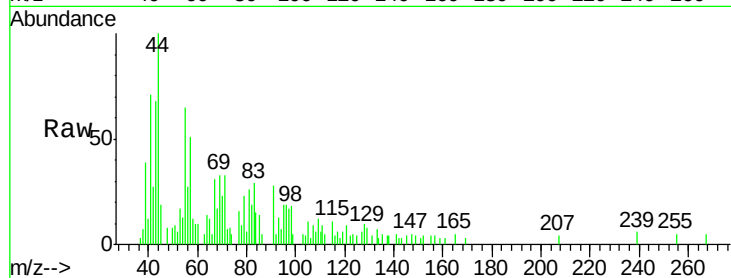
PB110190ZHE#17

Tgt Ion: 74 Resp: 121

Ion Ratio Lower Upper

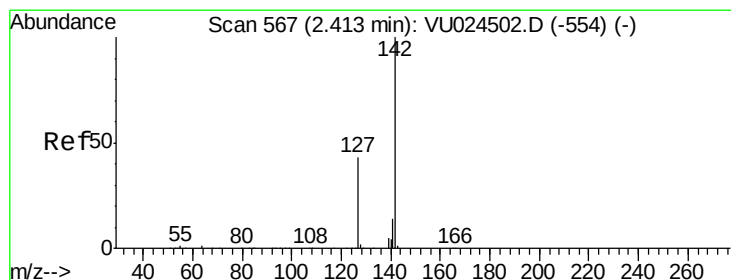
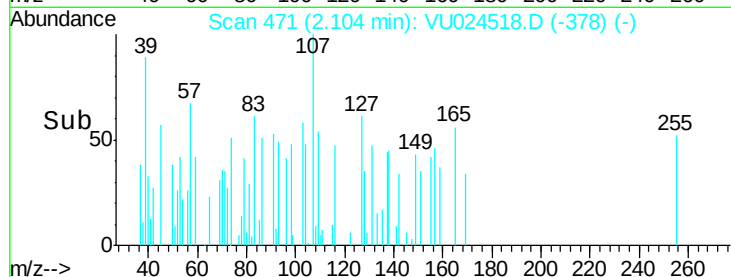
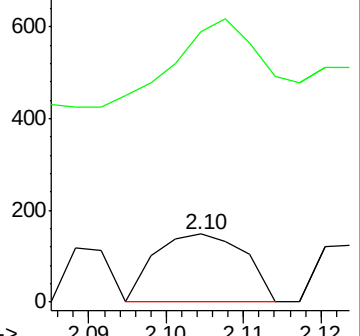
74 100

45 126.4 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0



#10

Methyl Iodide

Concen: 5.32 ug/l

RT: 2.27 min Scan# 523

Delta R.T. -0.14 min

Lab File: VU024518.D

Acq: 13 Jun 2018 19:18

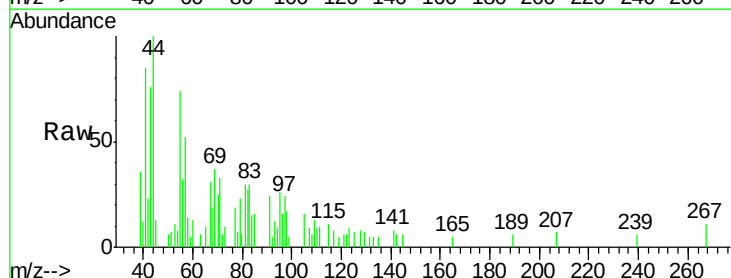
Tgt Ion: 142 Resp: 69

Ion Ratio Lower Upper

142 100

127 60.9 35.6 53.4#

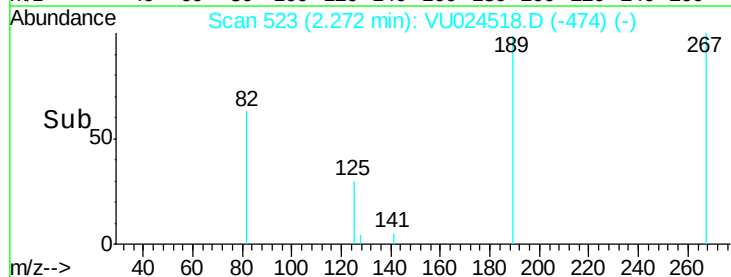
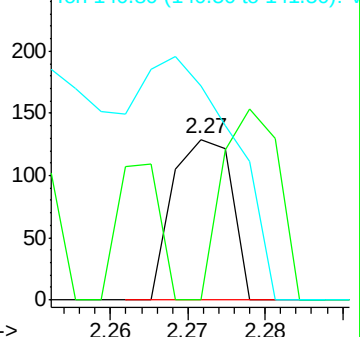
141 224.6 11.7 17.5#

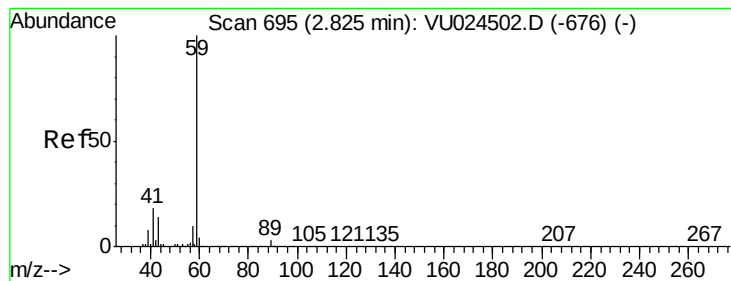


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 2.78 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU024518.D

Acq: 13 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

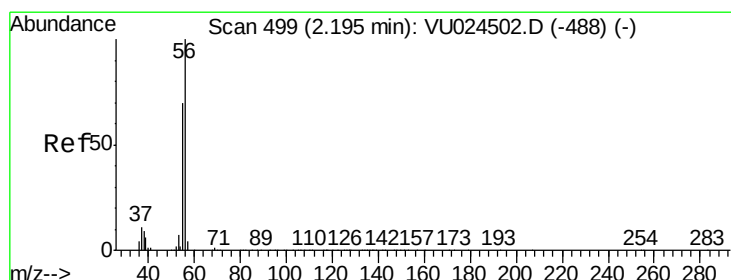
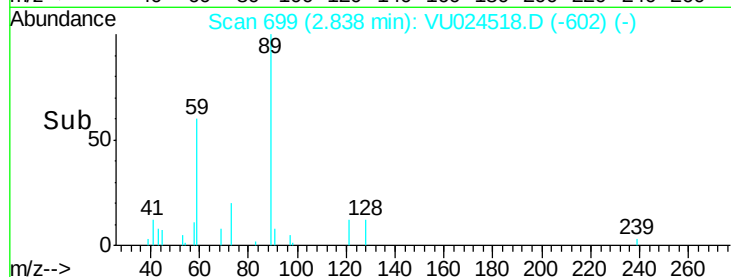
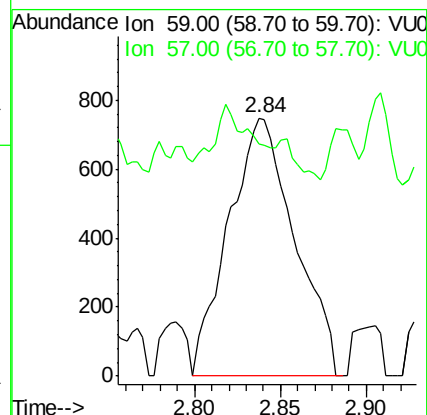
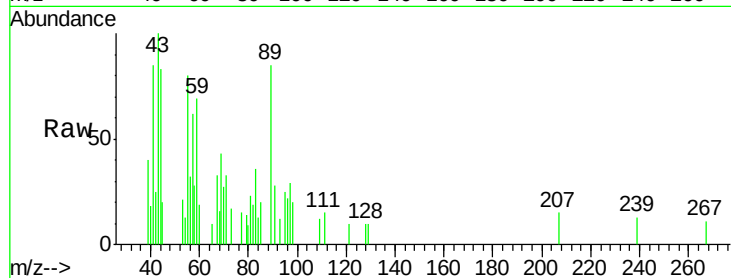
PB110190ZHE#17

Tgt Ion: 59 Resp: 1999

Ion Ratio Lower Upper

59 100

57 11.0 8.5 12.7



#13

Acrolein

Concen: 1.60 ug/l

RT: 2.20 min Scan# 501

Delta R.T. 0.01 min

Lab File: VU024518.D

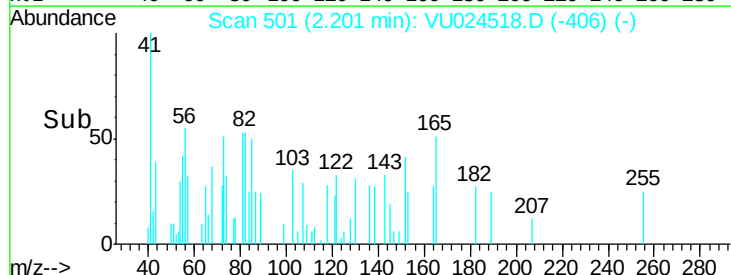
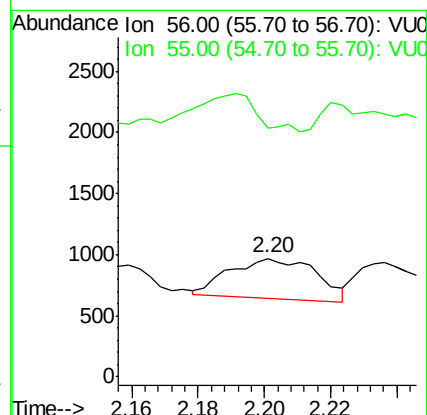
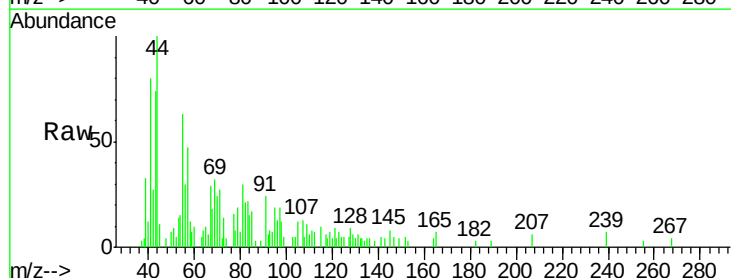
Acq: 13 Jun 2018 19:18

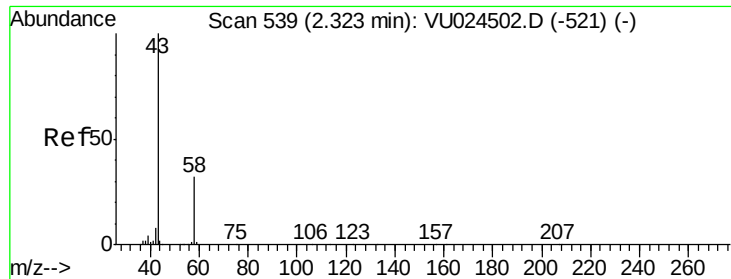
Tgt Ion: 56 Resp: 603

Ion Ratio Lower Upper

56 100

55 0.0 58.4 87.6#





#16

Acetone

Concen: 11.81 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024518.D

Acq: 13 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

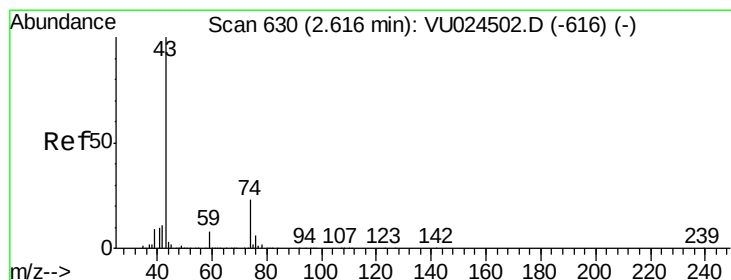
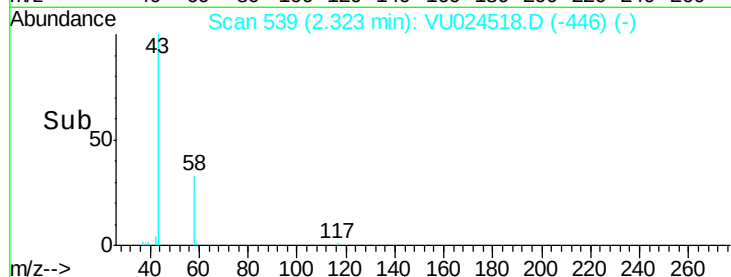
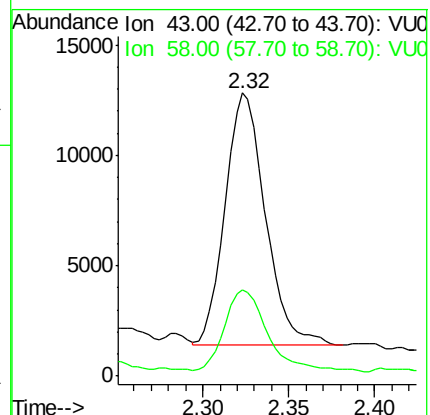
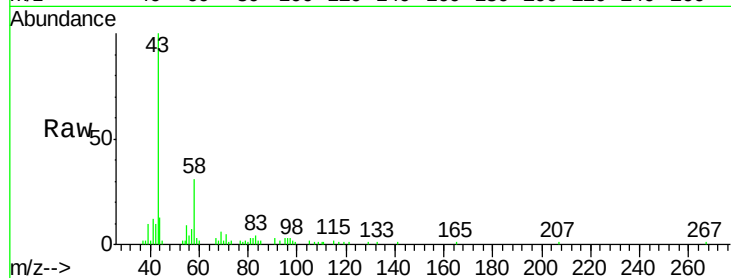
PB110190ZHE#17

Tgt Ion: 43 Resp: 18721

Ion Ratio Lower Upper

43 100

58 31.9 24.4 36.6



#18

Methyl Acetate

Concen: 4.77 ug/l

RT: 2.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU024518.D

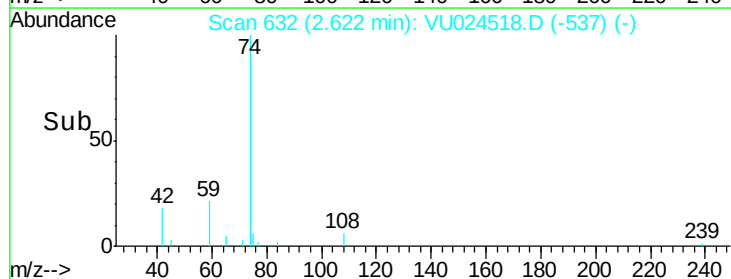
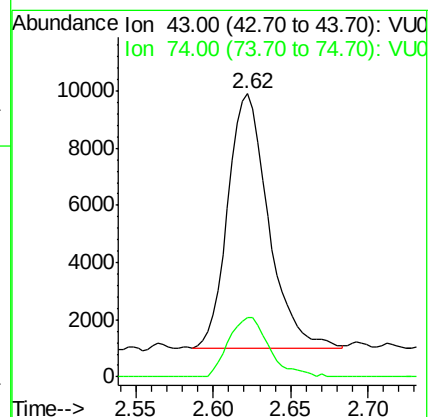
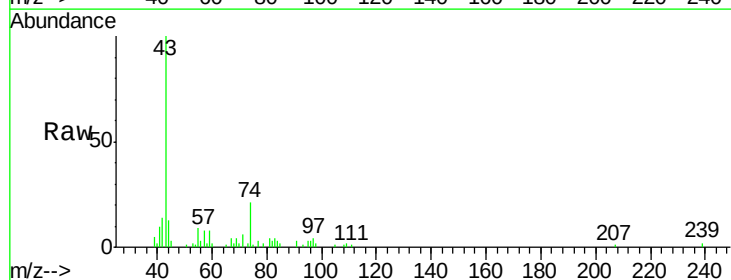
Acq: 13 Jun 2018 19:18

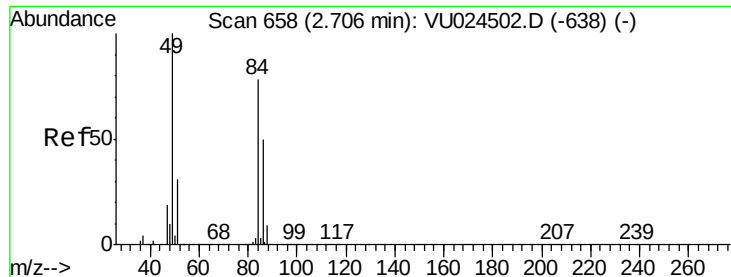
Tgt Ion: 43 Resp: 16201

Ion Ratio Lower Upper

43 100

74 23.4 18.0 27.0

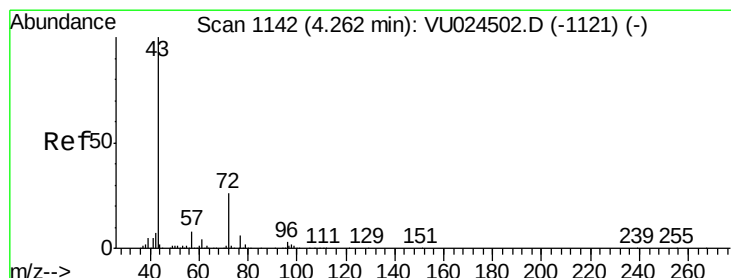
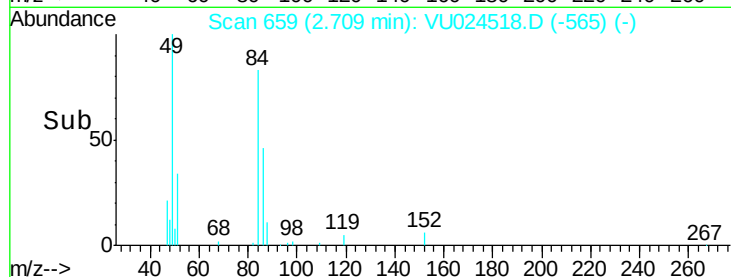
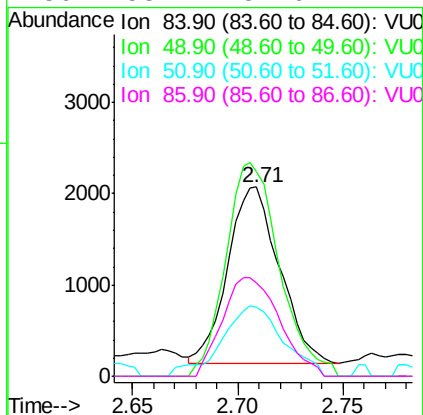
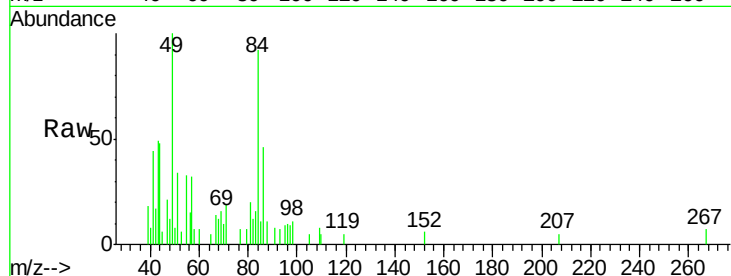




#20
Methylene Chloride
Concen: 1.32 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.00 min
Lab File: VU024518.D
Acq: 13 Jun 2018 19:18

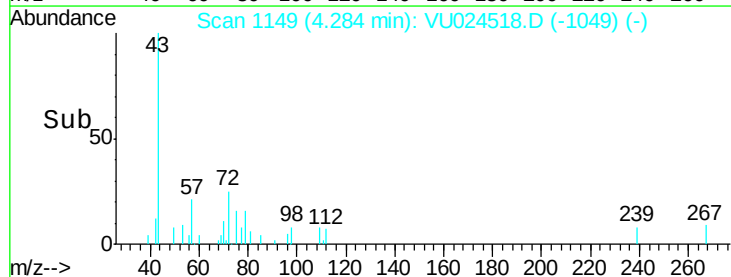
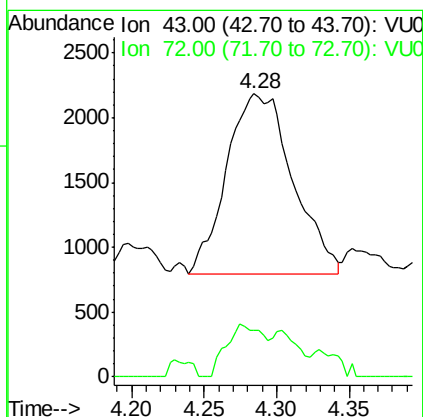
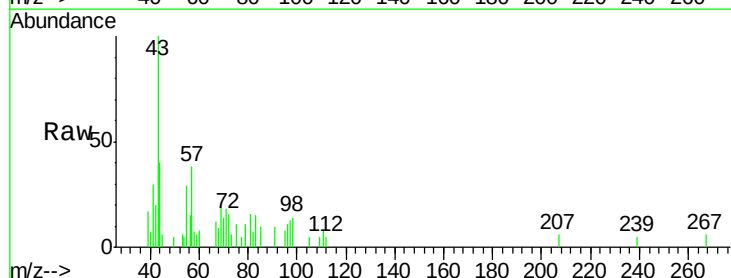
Instrument :
MSVOA_U
ClientSampleId :
PB110190ZHE#17

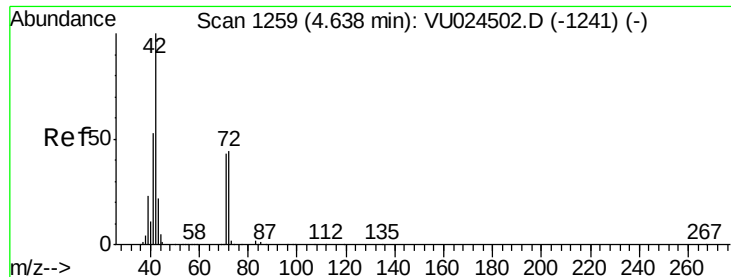
Tgt Ion:	84	Resp:	3288
Ion	Ratio	Lower	Upper
84	100		
49	116.6	103.8	155.8
51	39.6	32.0	48.0
86	53.4	51.6	77.4



#25
2-Butanone
Concen: 2.07 ug/l
RT: 4.28 min Scan# 1149
Delta R.T. 0.02 min
Lab File: VU024518.D
Acq: 13 Jun 2018 19:18

Tgt Ion:	43	Resp:	4413
Ion	Ratio	Lower	Upper
43	100		
72	17.8	19.6	29.4#





#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU024518.D

Acq: 13 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

PB110190ZHE#17

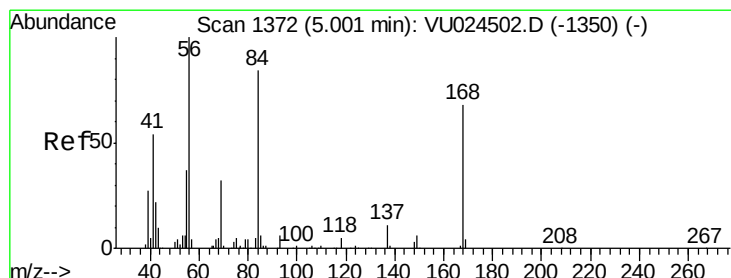
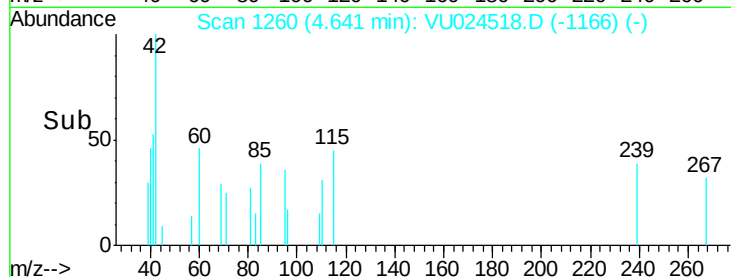
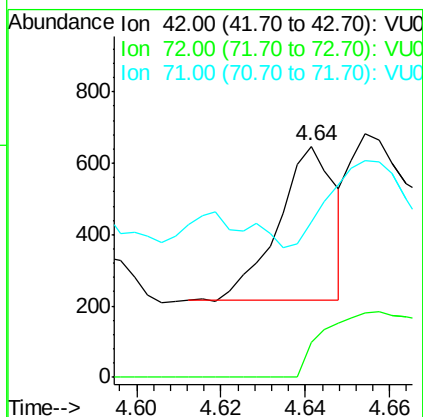
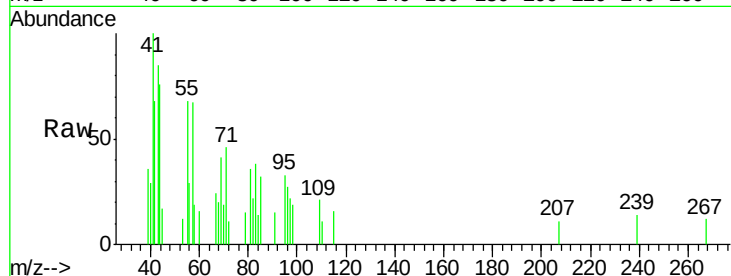
Tgt Ion: 42 Resp: 402

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VU024518.D

Acq: 13 Jun 2018 19:18

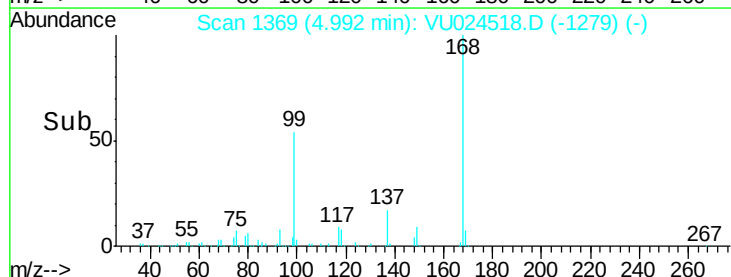
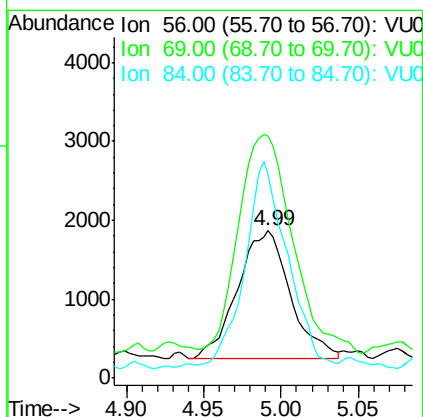
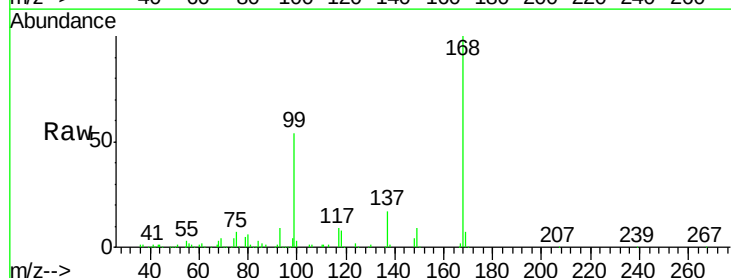
Tgt Ion: 56 Resp: 3829

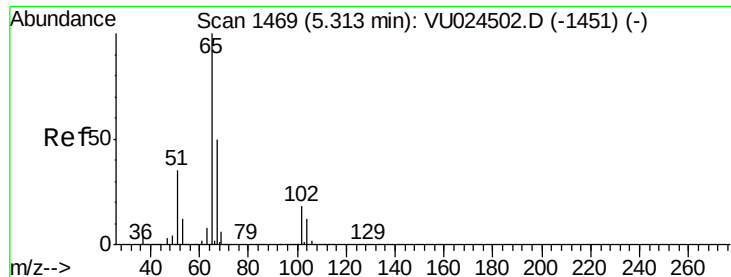
Ion Ratio Lower Upper

56 100

69 165.6 24.8 37.2#

84 149.1 65.2 97.8#

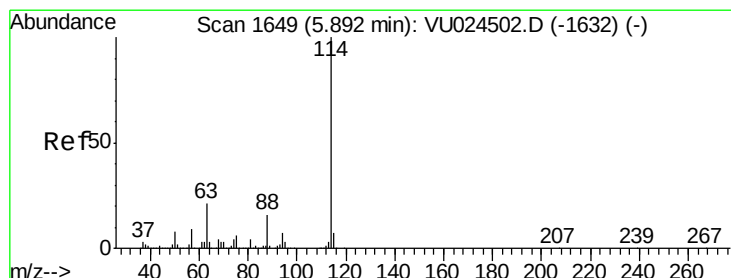
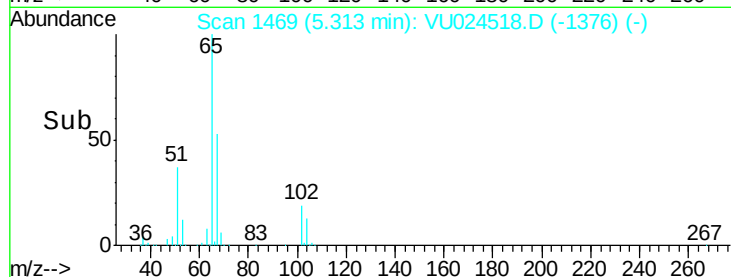
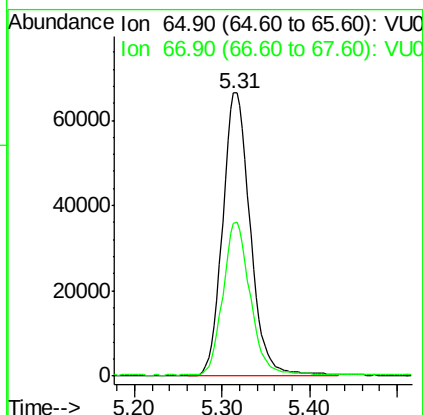
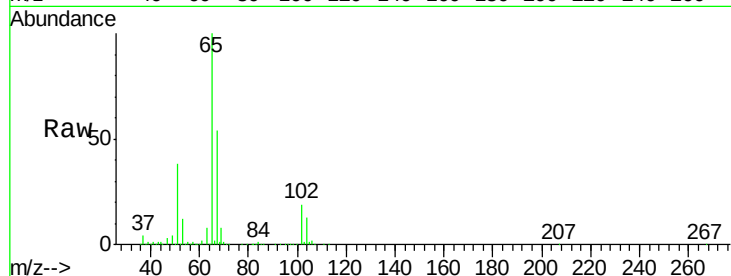




#33
 1,2-Dichloroethane-d4
 Concen: 49.62 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024518.D
 Acq: 13 Jun 2018 19:18

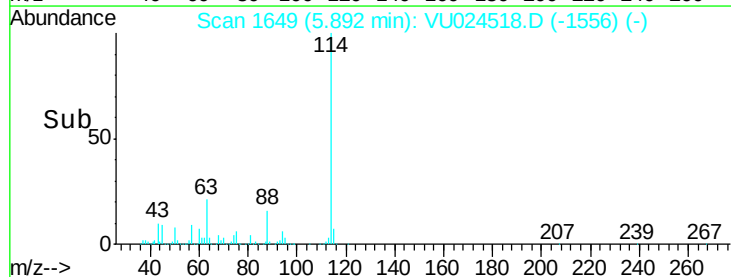
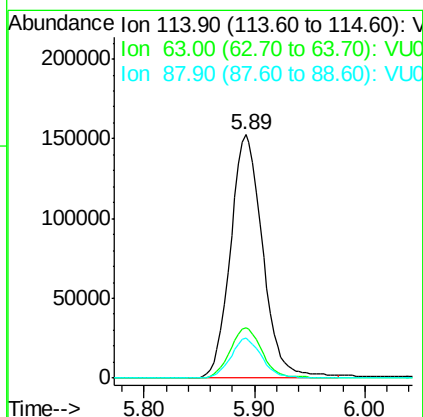
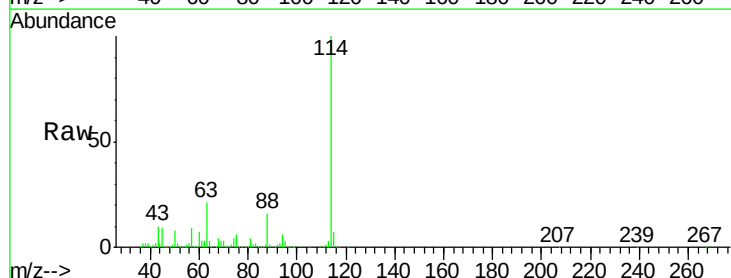
Instrument :
 MSVOA_U
 ClientSampleId :
 PB110190ZHE#17

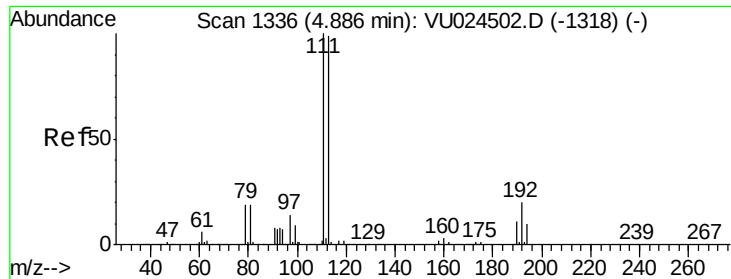
Tgt Ion: 65 Resp: 146447
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024518.D
 Acq: 13 Jun 2018 19:18

Tgt Ion: 114 Resp: 309441
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 16.4 0.0 31.0

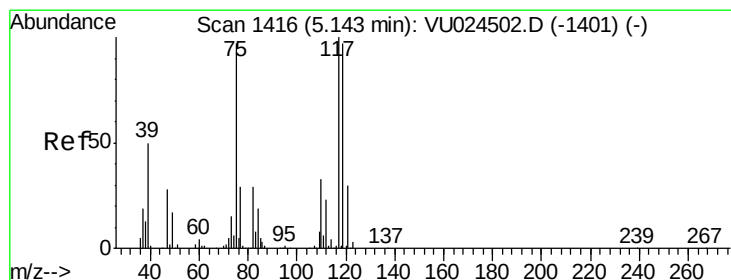
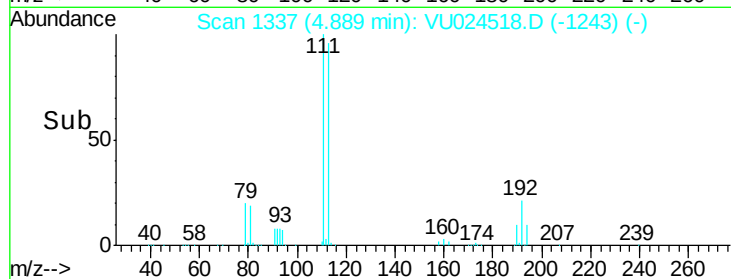
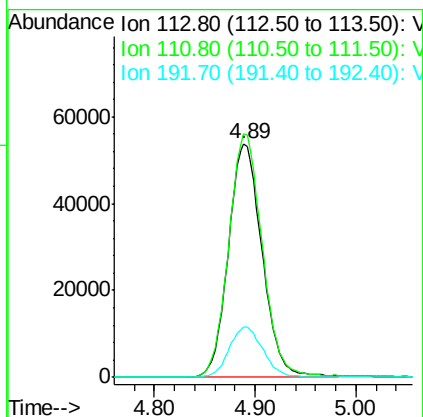
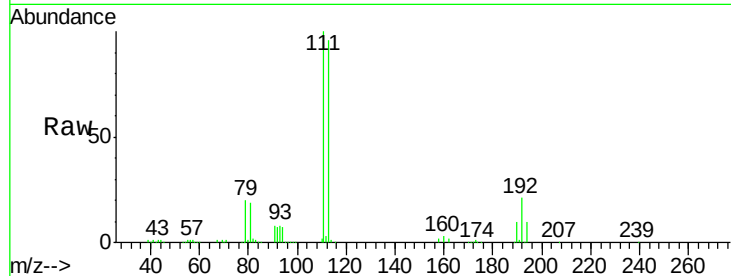




#35
 Dibromofluoromethane
 Concen: 48.80 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024518.D
 Acq: 13 Jun 2018 19:18

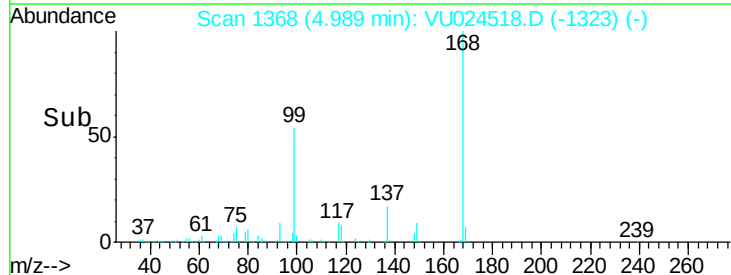
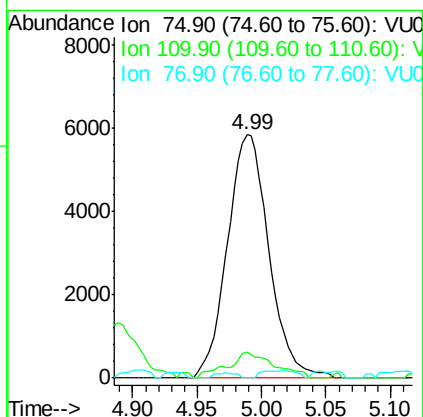
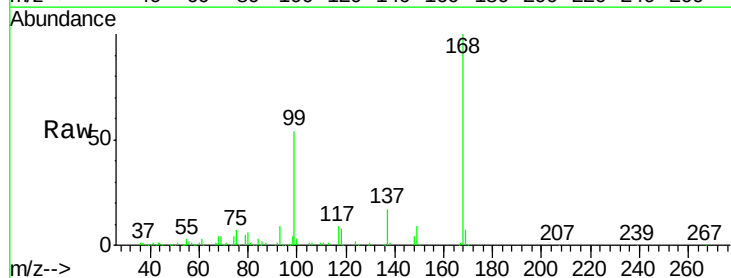
Instrument :
 MSVOA_U
 ClientSampleId :
 PB110190ZHE#17

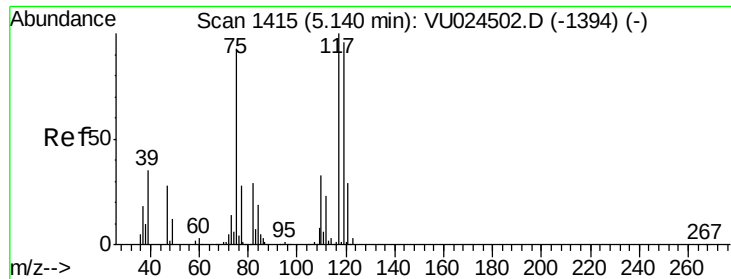
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	21.6	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 3.60 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024518.D
 Acq: 13 Jun 2018 19:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.29 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.15 min

Lab File: VU024518.D

Acq: 13 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

PB110190ZHE#17

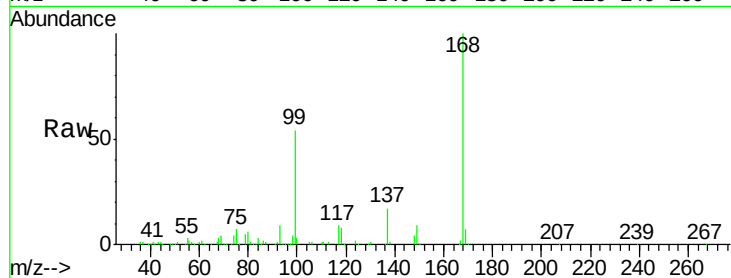
Tgt Ion:117 Resp: 17162

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

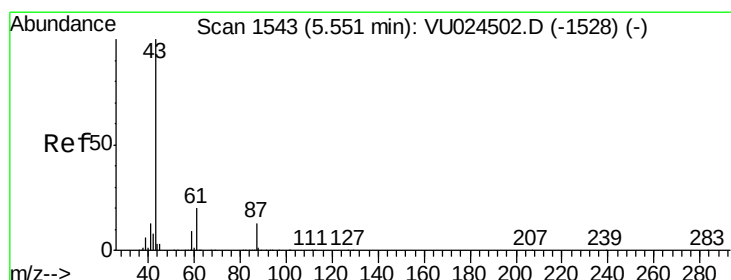
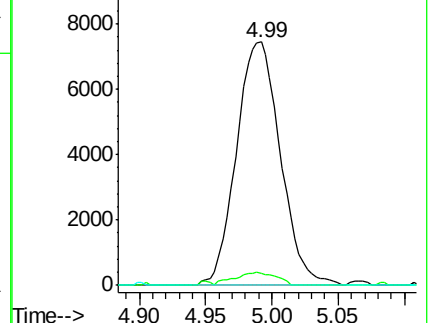
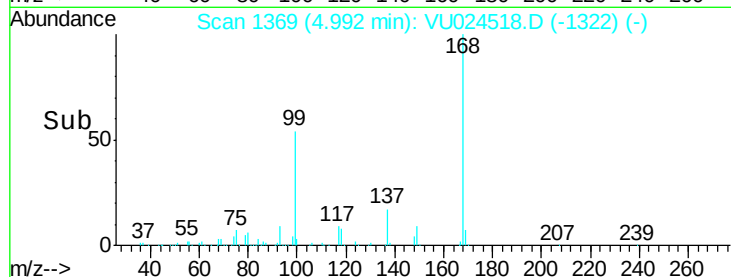
121 0.0 23.7 35.5#



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



#43

Isopropyl Acetate

Concen: 8.31 ug/l

RT: 5.79 min Scan# 1618

Delta R.T. 0.24 min

Lab File: VU024518.D

Acq: 13 Jun 2018 19:18

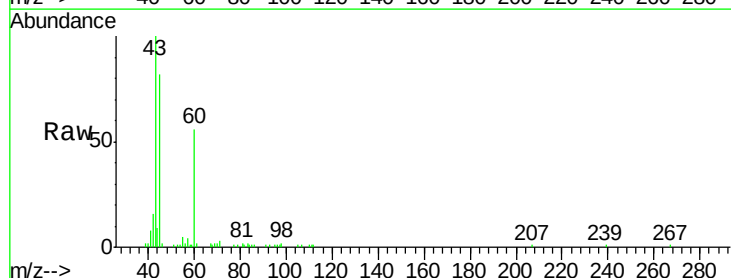
Tgt Ion: 43 Resp: 56924

Ion Ratio Lower Upper

43 100

61 0.7 15.4 23.0#

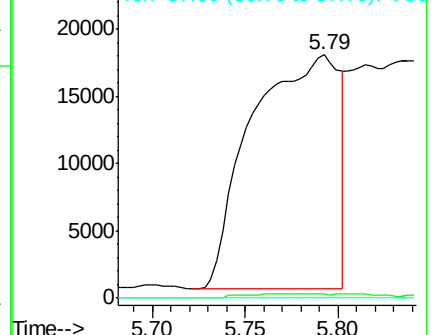
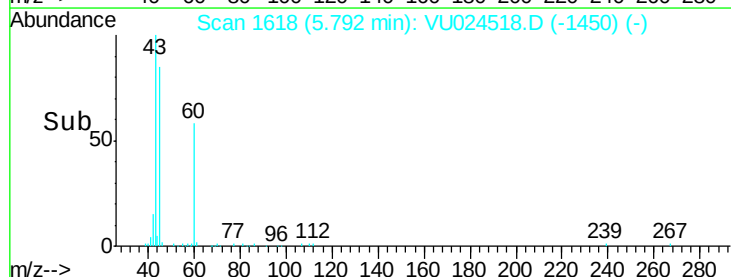
87 0.0 10.0 15.0#

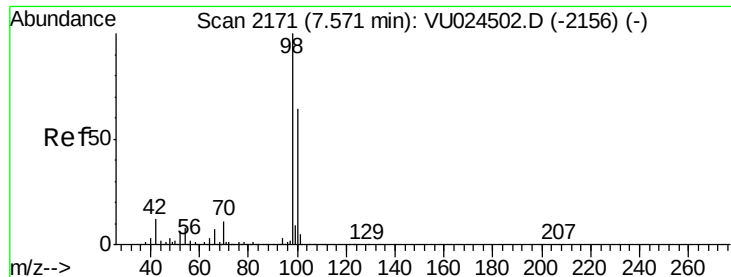


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

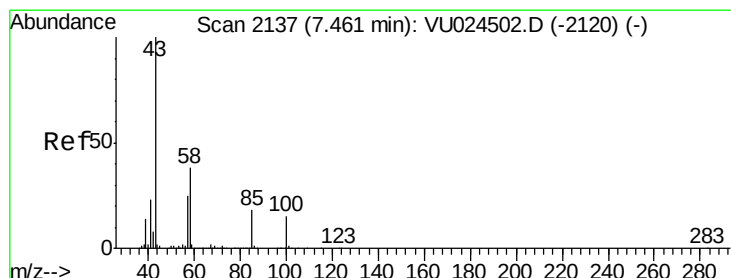
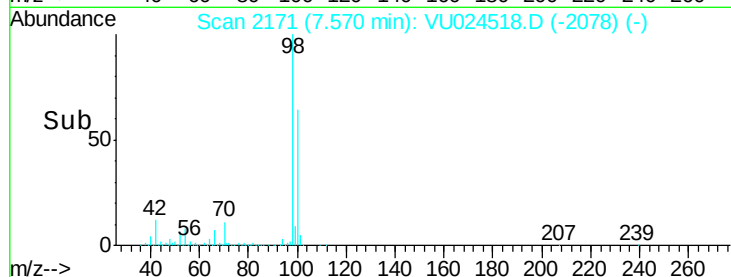
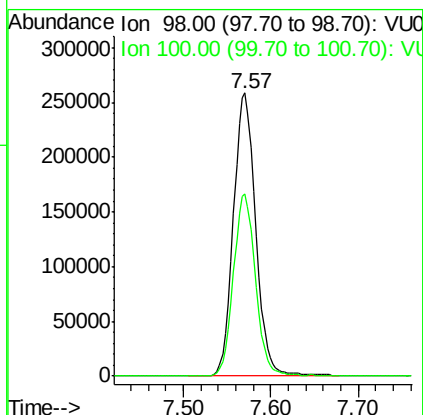
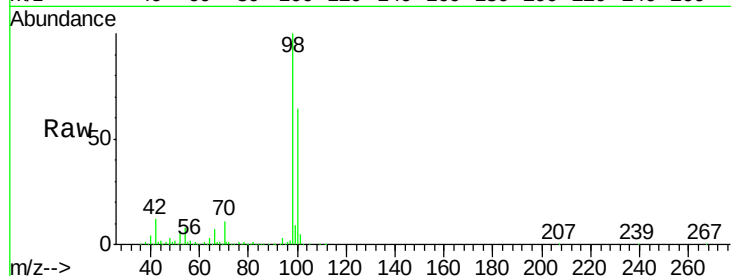




#50
Toluene-d8
Concen: 48.79 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024518.D
Acq: 13 Jun 2018 19:18

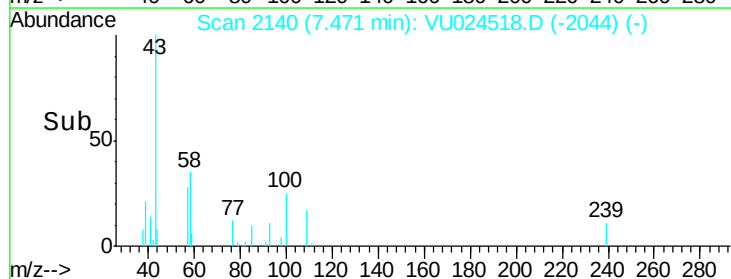
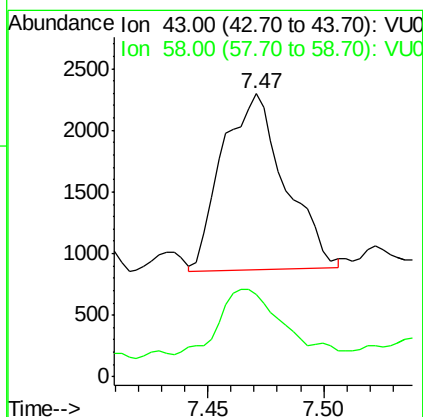
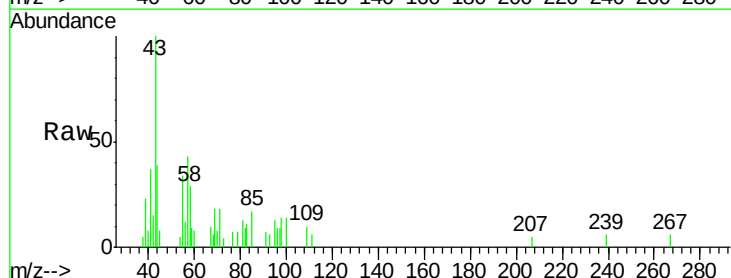
Instrument :
MSVOA_U
ClientSampleId :
PB110190ZHE#17

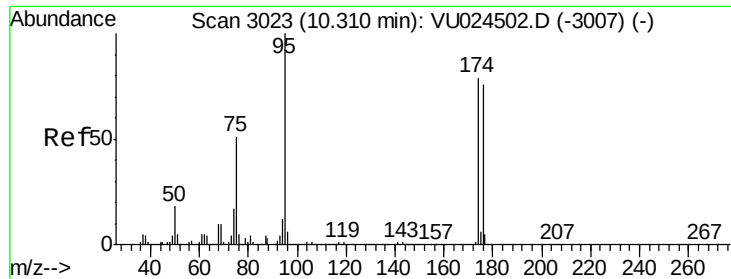
Tgt Ion: 98 Resp: 457009
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.63 ug/l
RT: 7.47 min Scan# 2140
Delta R.T. 0.01 min
Lab File: VU024518.D
Acq: 13 Jun 2018 19:18

Tgt Ion: 43 Resp: 2692
Ion Ratio Lower Upper
43 100
58 36.8 30.0 45.0

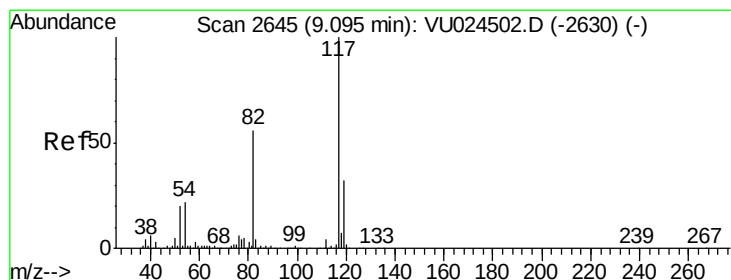
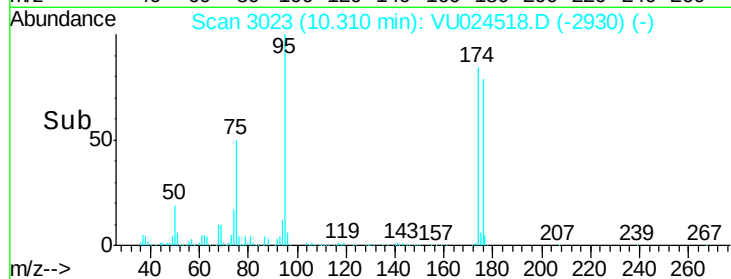
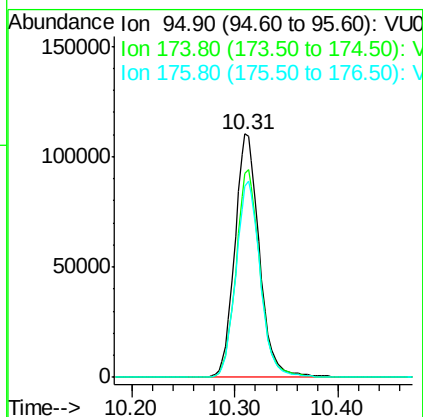
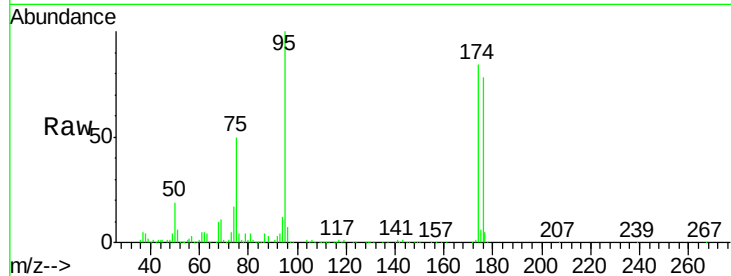




#62
4-Bromofluorobenzene
Concen: 49.12 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024518.D
Acq: 13 Jun 2018 19:18

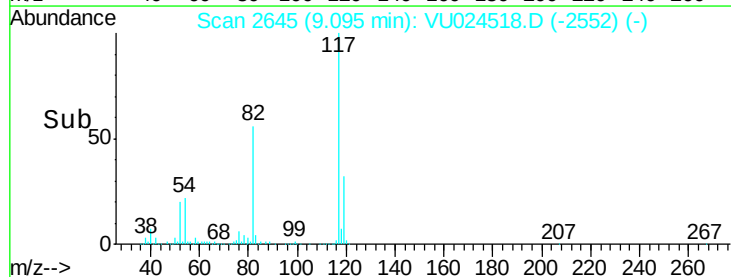
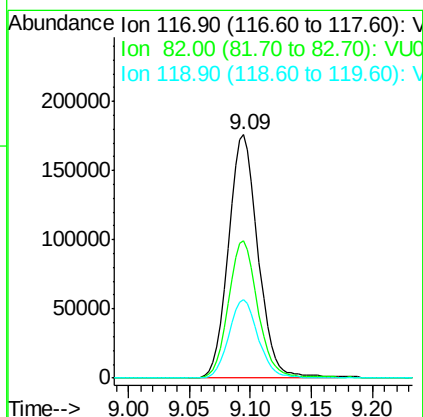
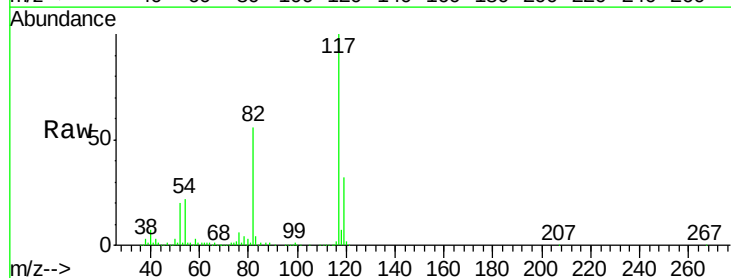
Instrument :
MSVOA_U
ClientSampleId :
PB110190ZHE#17

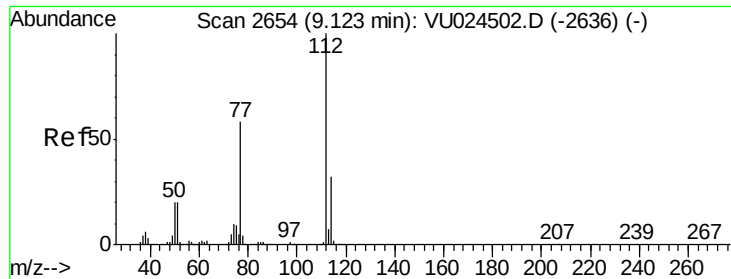
Tgt Ion	Resp	Lower	Upper
95	182683		
174	83.6	0.0	165.8
176	79.8	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024518.D
Acq: 13 Jun 2018 19:18

Tgt Ion	Resp	Lower	Upper
117	298617		
82	56.4	44.3	66.5
119	32.4	25.4	38.2





#65

Chlorobenzene

Concen: 0.63 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU024518.D

Acq: 13 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

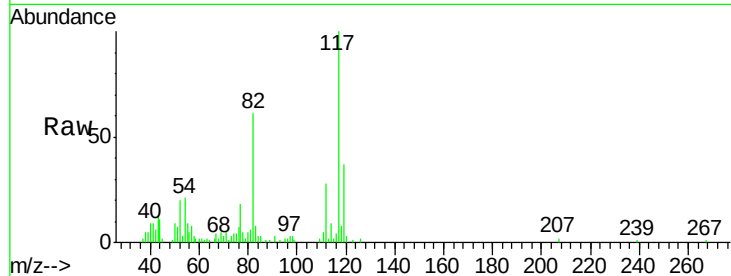
PB110190ZHE#17

Tgt Ion:112 Resp: 4771

Ion Ratio Lower Upper

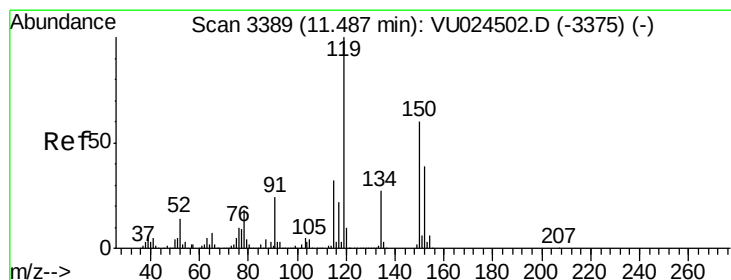
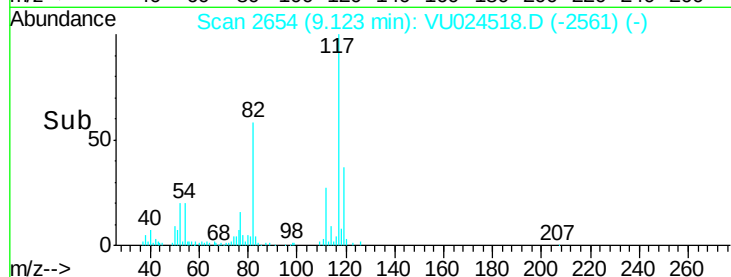
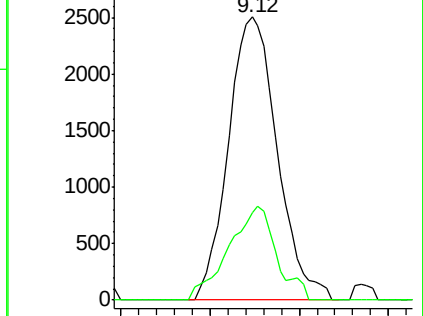
112 100

114 31.0 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024518.D

Acq: 13 Jun 2018 19:18

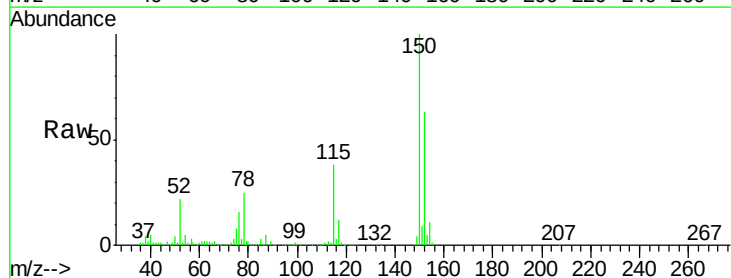
Tgt Ion:152 Resp: 172870

Ion Ratio Lower Upper

152 100

115 58.7 43.0 129.0

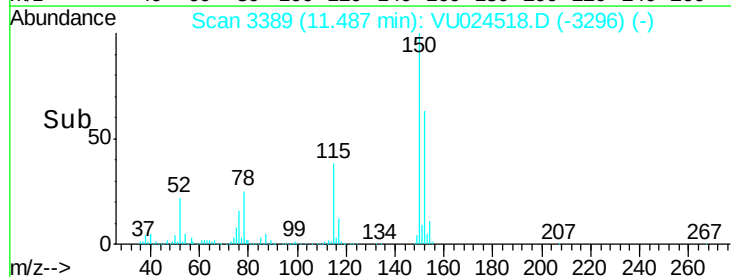
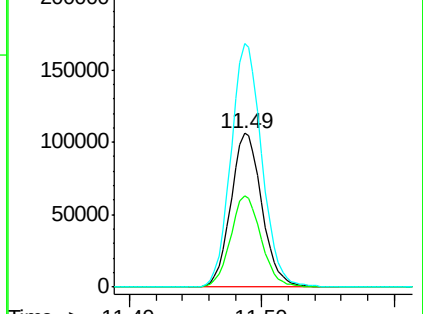
150 157.9 0.0 354.0

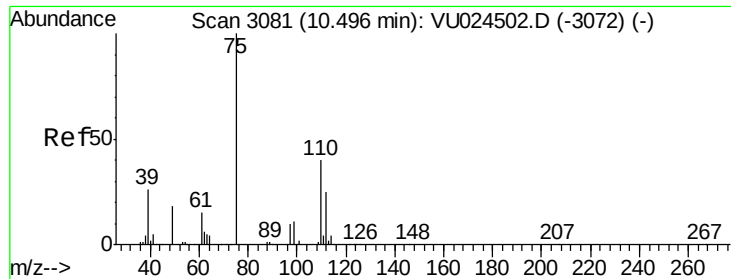


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

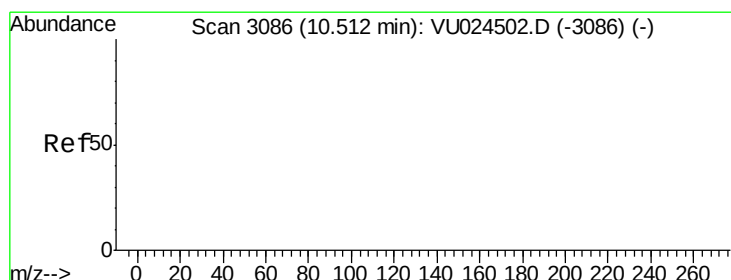
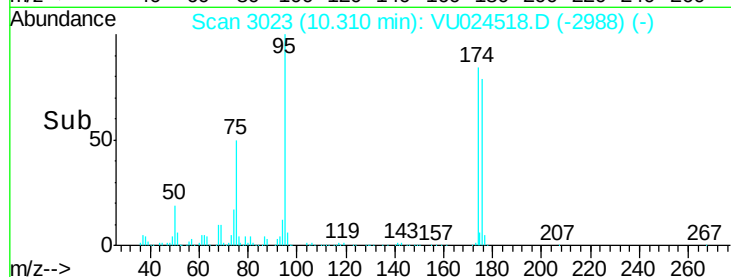
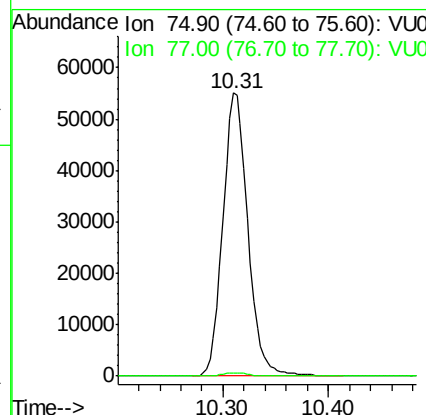
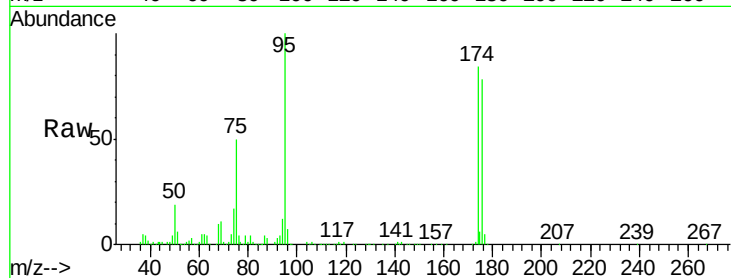




#76
 1,2,3-Trichloropropane
 Concen: 23.72 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU024518.D
 Acq: 13 Jun 2018 19:18

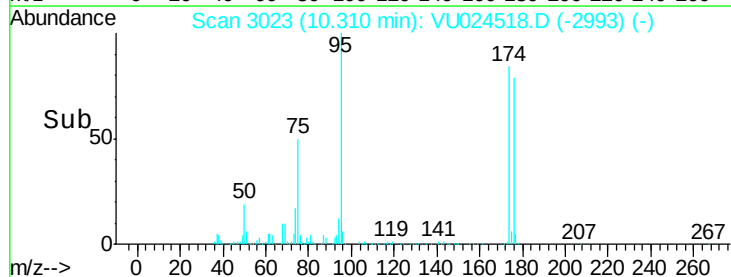
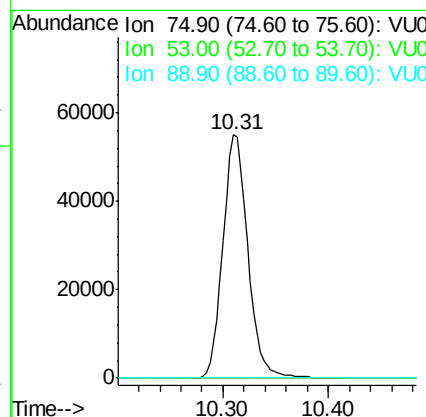
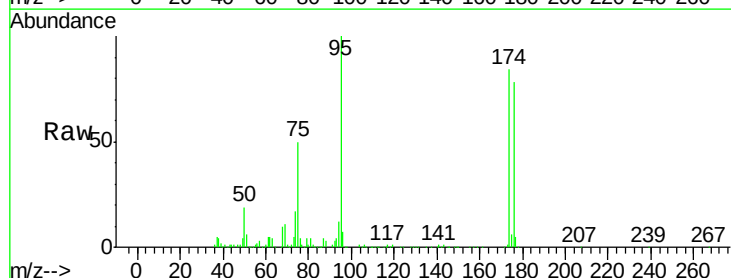
Instrument :
 MSVOA_U
 ClientSampleId :
 PB110190ZHE#17

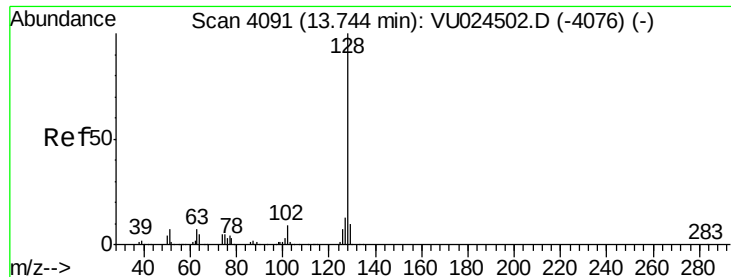
Tgt Ion: 75 Resp: 90281
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.90 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU024518.D
 Acq: 13 Jun 2018 19:18

Tgt Ion: 75 Resp: 90281
 Ion Ratio Lower Upper
 75 100
 53 0.2 0.0 0.0#
 89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.69 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

Lab File: VU024518.D

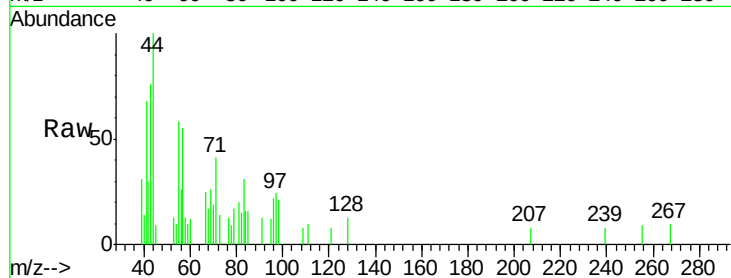
Acq: 13 Jun 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

PB110190ZHE#17



Tgt Ion:	128	Resp:	137
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

