

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024514.D
 Acq On : 13 Jun 2018 17:45
 Operator : MD/SY
 Sample : PB110190ZHE#13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB110190ZHE#13

Quant Time: Jun 14 02:19:09 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	187126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	317683	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	308228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	178984	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	146234	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
35) Dibromofluoromethane	4.89	113	129317	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
50) Toluene-d8	7.57	98	470120	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
62) 4-Bromofluorobenzene	10.31	95	185195	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	

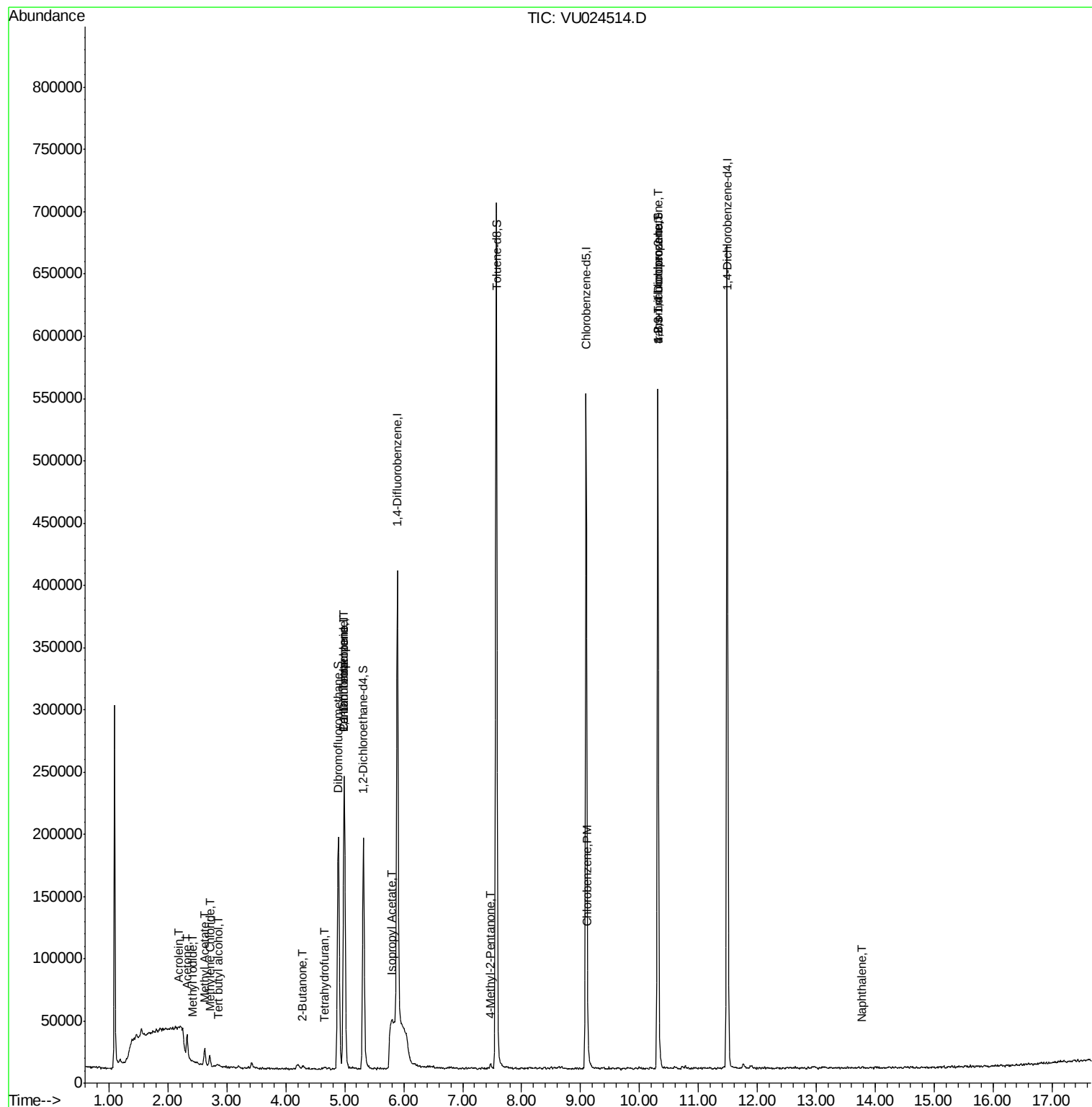
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	182	Below Cal	#	72
8) Diethyl Ether	1.92	74	105	Below Cal		91
10) Methyl Iodide	2.43	142	21	5.30	ug/l #	40
11) Tert butyl alcohol	2.84	59	898	1.21	ug/l #	72
13) Acrolein	2.18	56	153	0.39	ug/l #	13
16) Acetone	2.32	43	18798	11.45	ug/l	96
18) Methyl Acetate	2.62	43	17255	4.90	ug/l	100
20) Methylene Chloride	2.71	84	3950	1.53	ug/l #	89
25) 2-Butanone	4.28	43	3508	1.59	ug/l #	77
29) Tetrahydrofuran	4.66	42	1235	0.90	ug/l #	76
31) Cyclohexane	4.99	56	3721	Below Cal	#	4
36) 1,1-Dichloropropene	4.99	75	13702	3.67	ug/l #	44
38) Carbon Tetrachloride	4.99	117	17385	4.24	ug/l #	16
43) Isopropyl Acetate	5.80	43	48072	6.84	ug/l #	62
51) 4-Methyl-2-Pentanone	7.46	43	2894	0.65	ug/l	97
65) Chlorobenzene	9.13	112	5185	0.66	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	93190	23.65	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	93190	54.73	ug/l #	100
95) Naphthalene	13.77	128	577	0.72	ug/l #	73

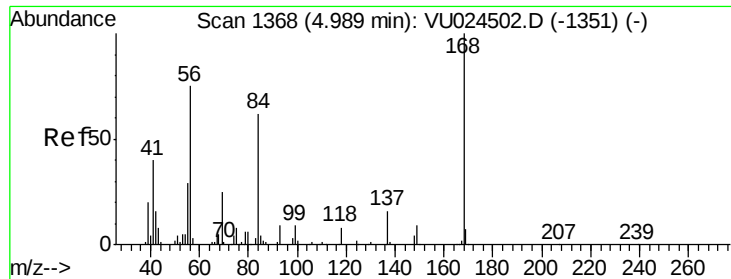
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 13 13:55:26 2018
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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: VU024514.D

Acq: 13 Jun 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

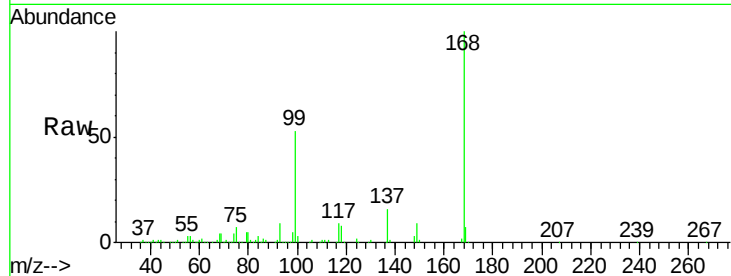
PB110190ZHE#13

Tgt Ion:168 Resp: 187126

Ion Ratio Lower Upper

168 100

99 53.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024514.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024514.D (-1275) (-)

4.99

80000

60000

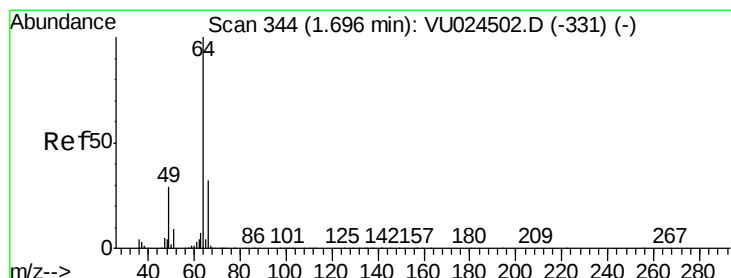
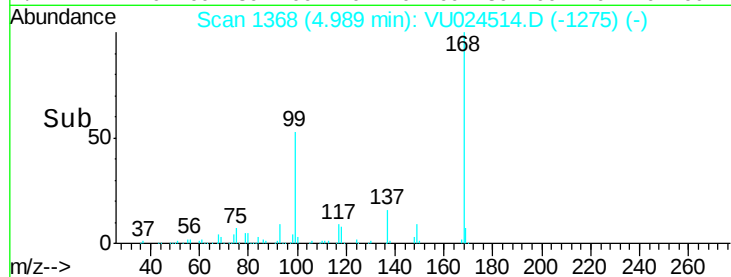
40000

20000

0

Time-->

4.90 5.00 5.10



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 350

Delta R.T. 0.02 min

Lab File: VU024514.D

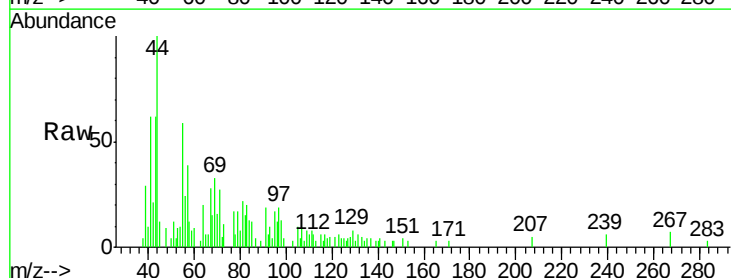
Acq: 13 Jun 2018 17:45

Tgt Ion: 64 Resp: 182

Ion Ratio Lower Upper

64 100

66 16.2 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU024514.D (-251) (-)

Ion 65.90 (65.60 to 66.60): VU024514.D (-251) (-)

1.72

800

600

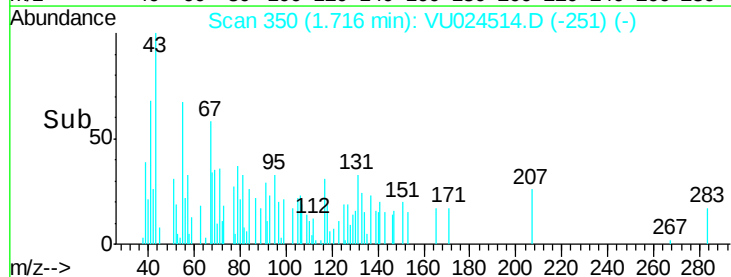
400

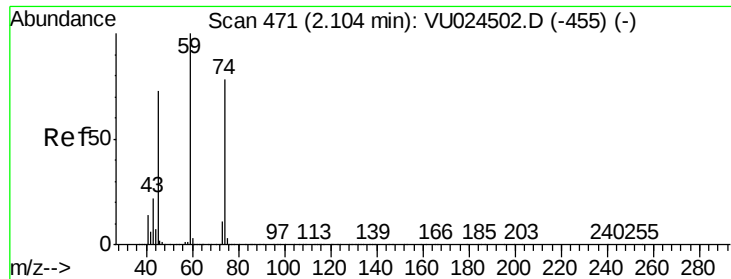
200

0

Time-->

1.69 1.70 1.71 1.72 1.73





#8

Diethyl Ether

Concen: Below Cal

RT: 1.92 min Scan# 415

Delta R.T. -0.18 min

Lab File: VU024514.D

Acq: 13 Jun 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

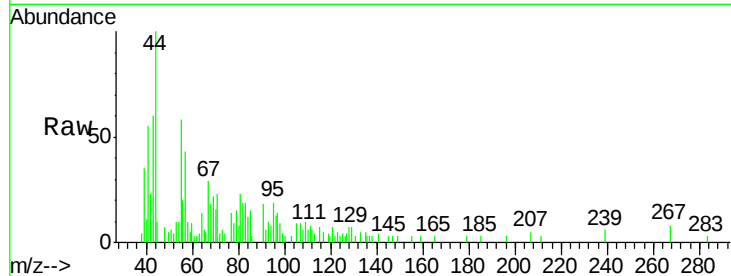
PB110190ZHE#13

Tgt Ion: 74 Resp: 105

Ion Ratio Lower Upper

74 100

45 119.0 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

600

500

400

300

200

100

0

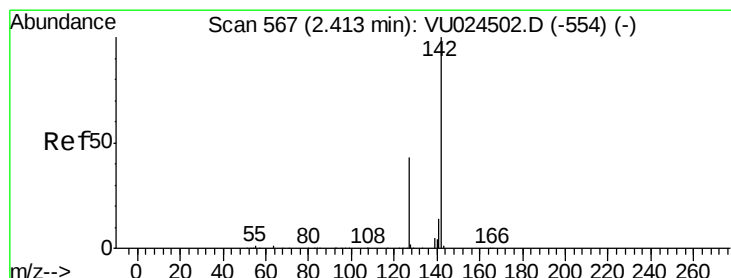
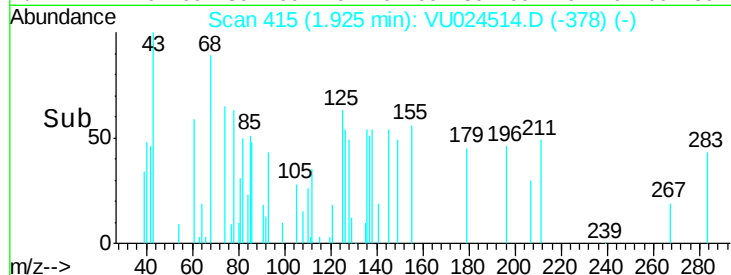
1.91

1.92

1.93

1.94

Time-->



#10

Methyl Iodide

Concen: 5.30 ug/l

RT: 2.43 min Scan# 572

Delta R.T. 0.02 min

Lab File: VU024514.D

Acq: 13 Jun 2018 17:45

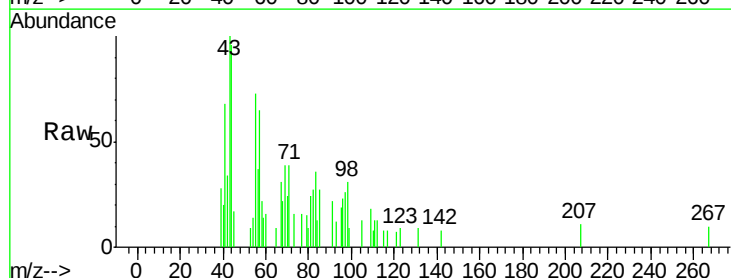
Tgt Ion: 142 Resp: 21

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

150

100

50

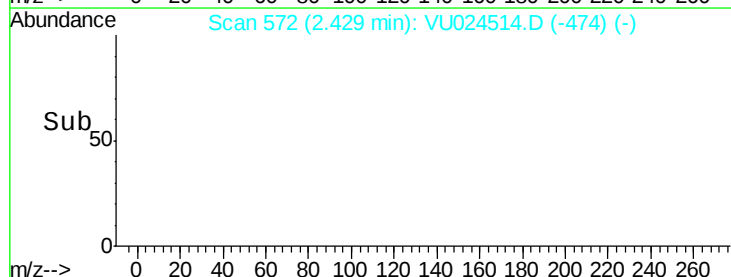
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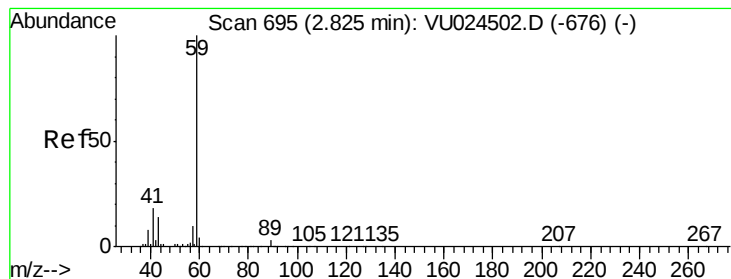
2.42

2.43

2.44

Time-->





#11

Tert butyl alcohol

Concen: 1.21 ug/l

RT: 2.84 min Scan# 700

Delta R.T. 0.02 min

Lab File: VU024514.D

Acq: 13 Jun 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

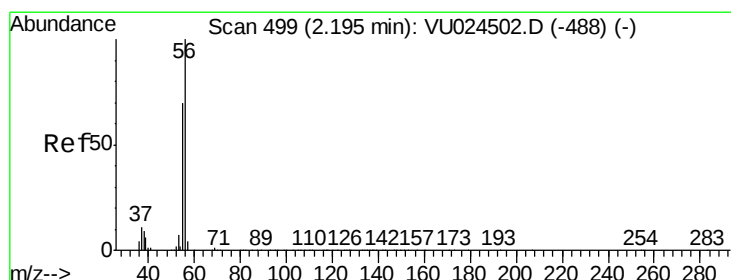
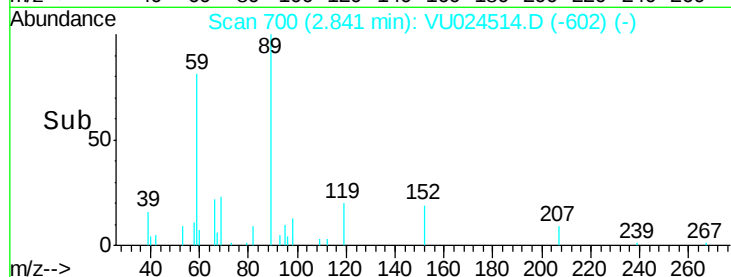
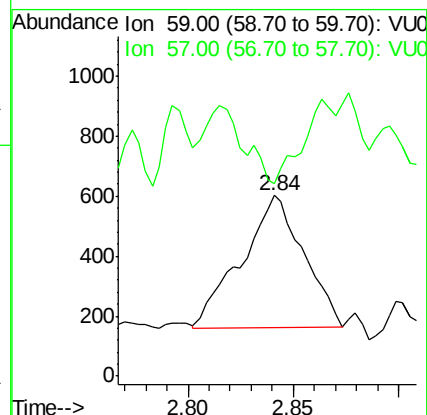
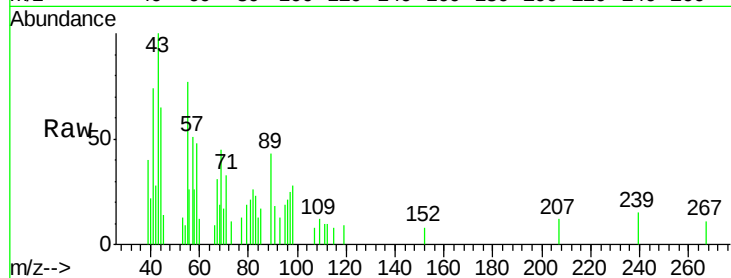
PB110190ZHE#13

Tgt Ion: 59 Resp: 898

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 0.39 ug/l

RT: 2.18 min Scan# 496

Delta R.T. -0.01 min

Lab File: VU024514.D

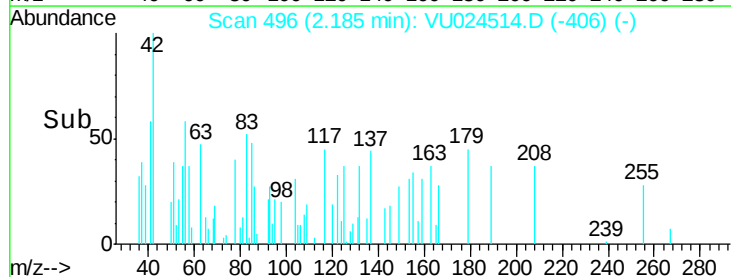
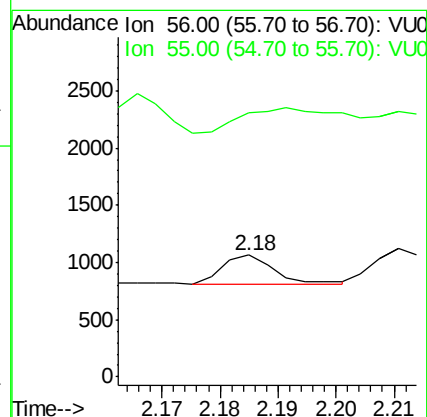
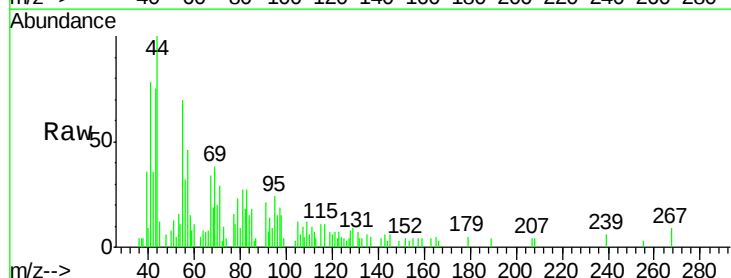
Acq: 13 Jun 2018 17:45

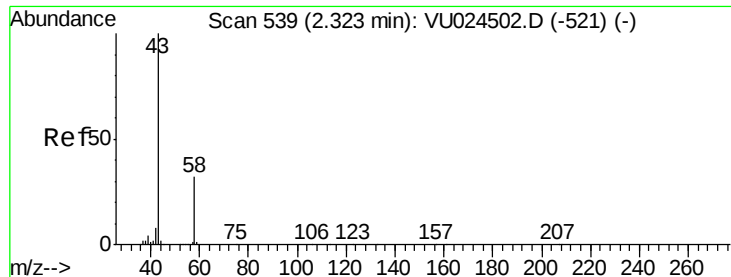
Tgt Ion: 56 Resp: 153

Ion Ratio Lower Upper

56 100

55 0.0 58.4 87.6#





#16

Acetone

Concen: 11.45 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024514.D

Acq: 13 Jun 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

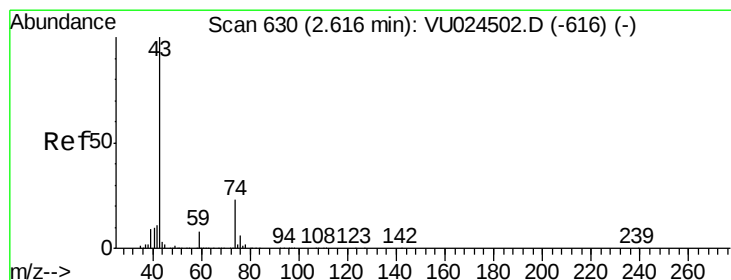
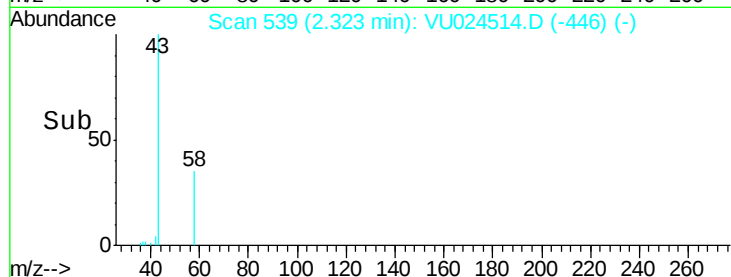
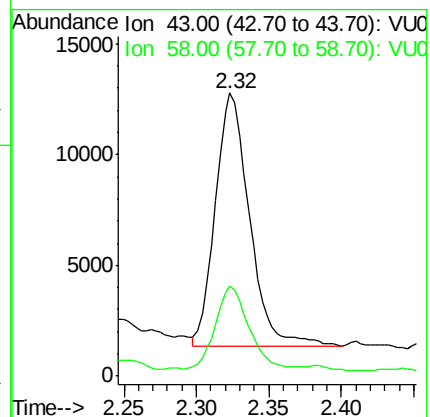
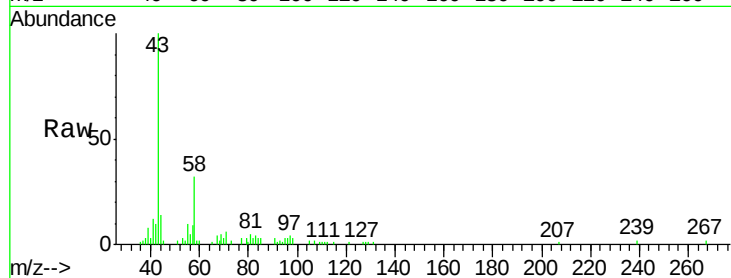
PB110190ZHE#13

Tgt Ion: 43 Resp: 18798

Ion Ratio Lower Upper

43 100

58 32.7 24.4 36.6



#18

Methyl Acetate

Concen: 4.90 ug/l

RT: 2.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU024514.D

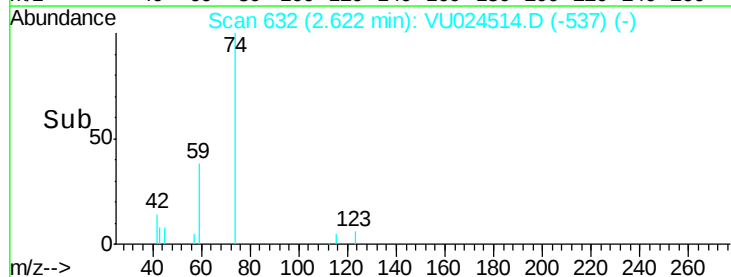
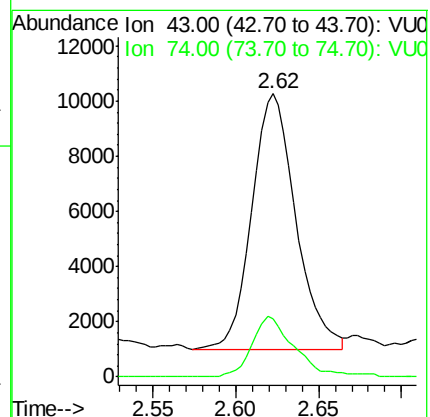
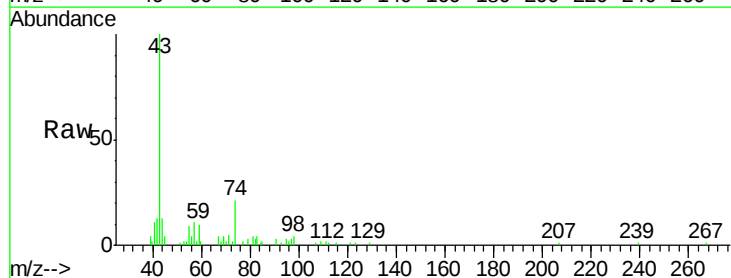
Acq: 13 Jun 2018 17:45

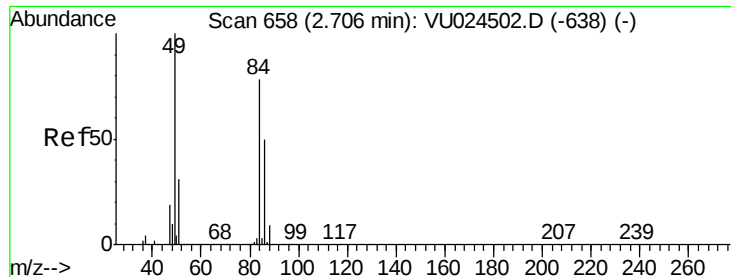
Tgt Ion: 43 Resp: 17255

Ion Ratio Lower Upper

43 100

74 22.4 18.0 27.0

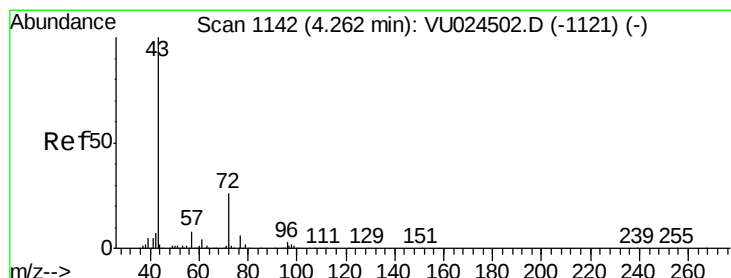
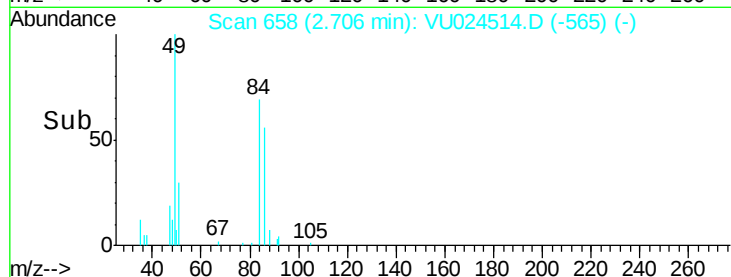
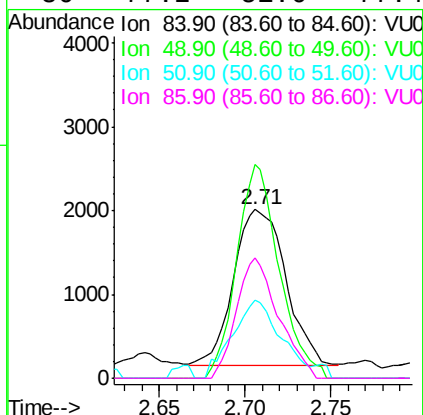
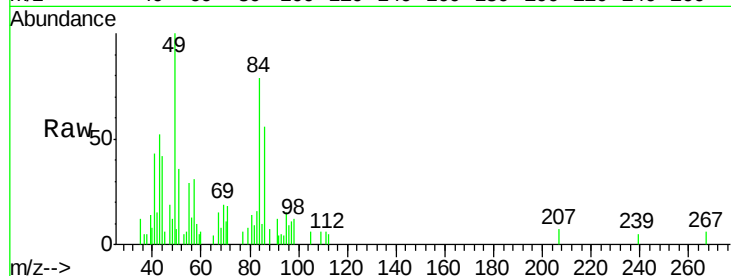




#20
Methylene Chloride
Concen: 1.53 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU024514.D
Acq: 13 Jun 2018 17:45

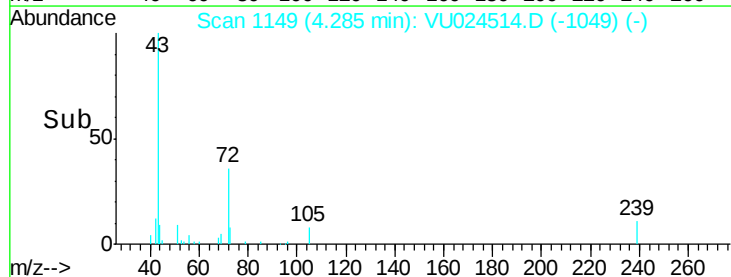
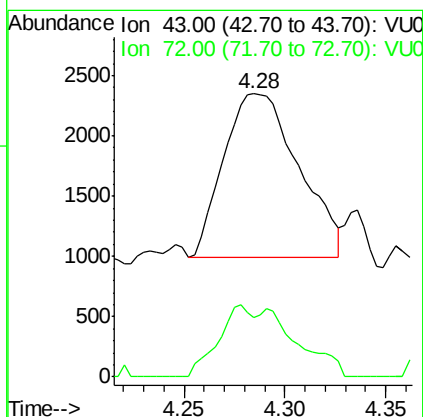
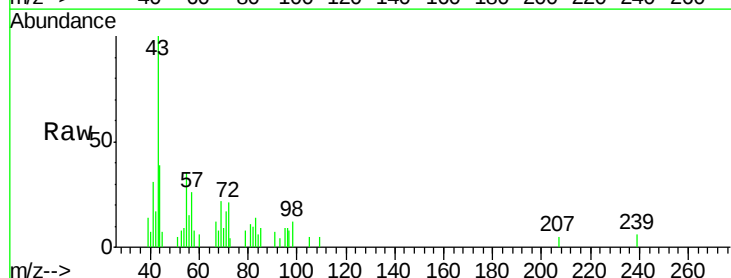
Instrument :
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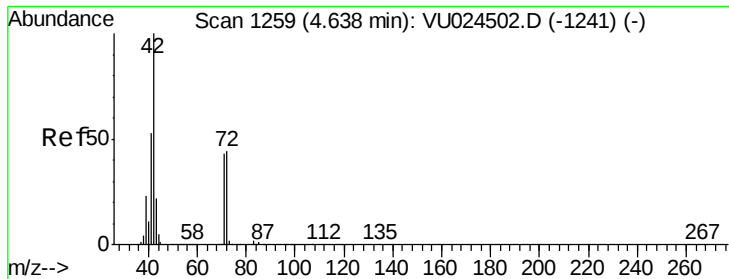
Tgt Ion:	84	Resp:	3950
Ion	Ratio	Lower	Upper
84	100		
49	137.7	103.8	155.8
51	50.1	32.0	48.0#
86	77.2	51.6	77.4



#25
2-Butanone
Concen: 1.59 ug/l
RT: 4.28 min Scan# 1149
Delta R.T. 0.02 min
Lab File: VU024514.D
Acq: 13 Jun 2018 17:45

Tgt Ion:	43	Resp:	3508
Ion	Ratio	Lower	Upper
43	100		
72	36.1	19.6	29.4#

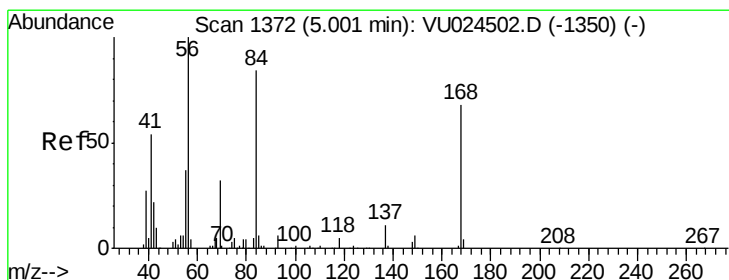
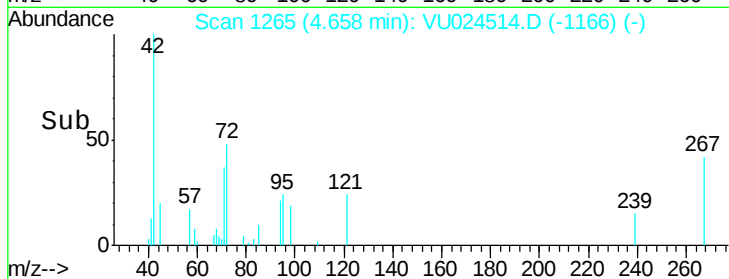
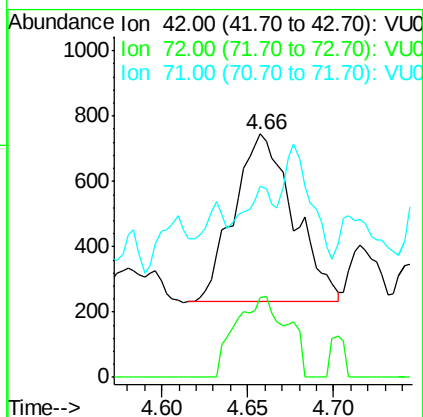
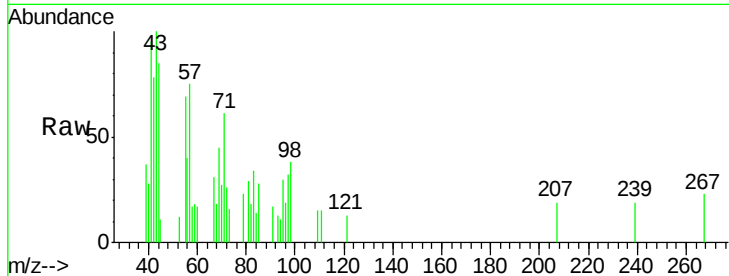




#29
Tetrahydrofuran
Concen: 0.90 ug/l
RT: 4.66 min Scan# 1265
Delta R.T. 0.02 min
Lab File: VU024514.D
Acq: 13 Jun 2018 17:45

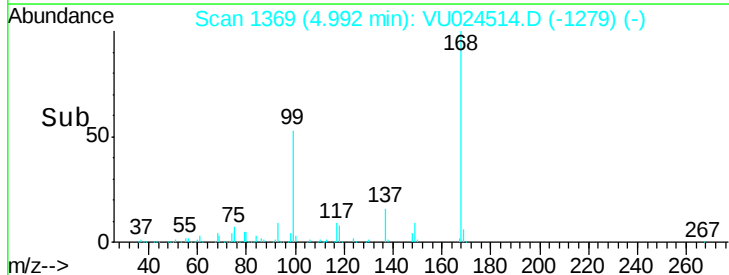
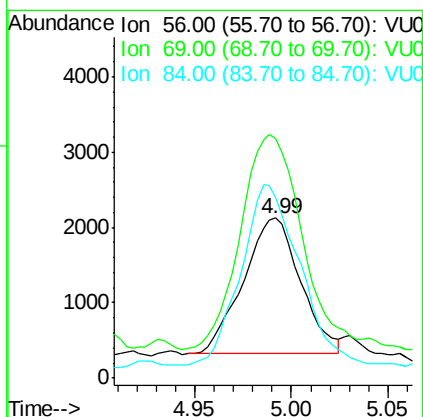
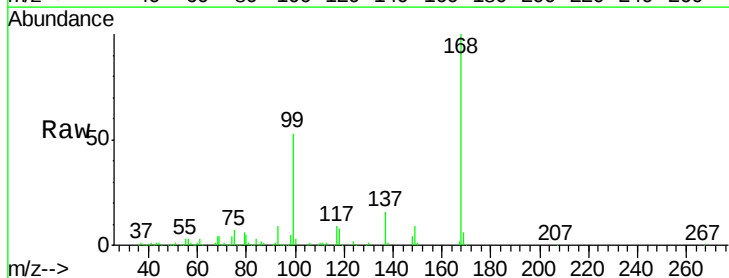
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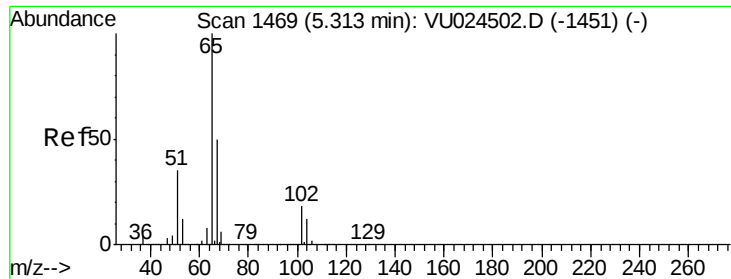
Tgt Ion: 42 Resp: 1235
Ion Ratio Lower Upper
42 100
72 41.5 34.5 51.7
71 10.9 32.2 48.4#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU024514.D
Acq: 13 Jun 2018 17:45

Tgt Ion: 56 Resp: 3721
Ion Ratio Lower Upper
56 100
69 154.1 24.8 37.2#
84 123.7 65.2 97.8#

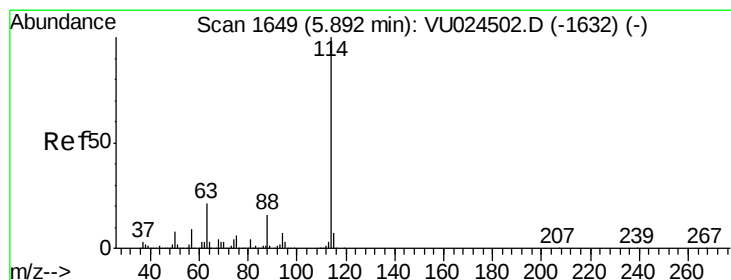
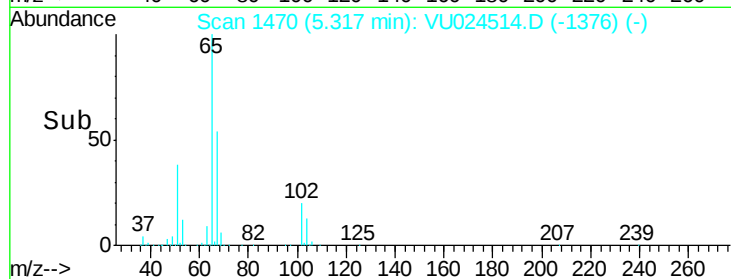
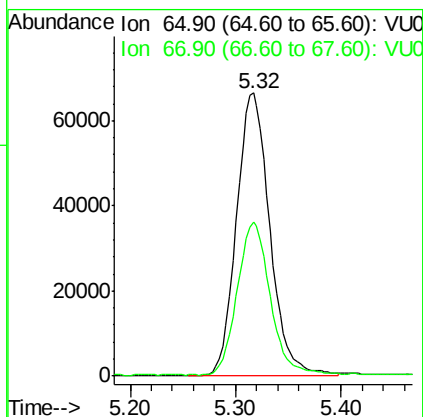
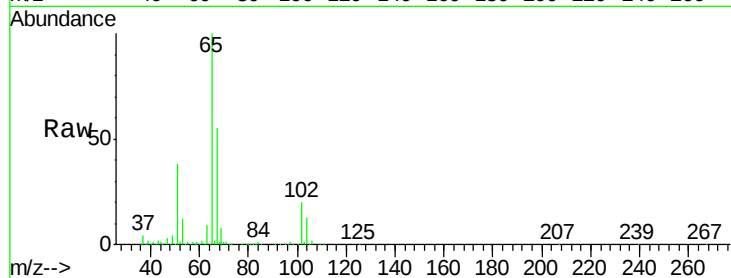




#33
 1,2-Dichloroethane-d4
 Concen: 47.87 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU024514.D
 Acq: 13 Jun 2018 17:45

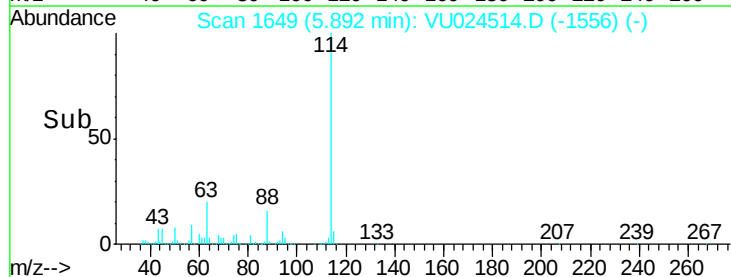
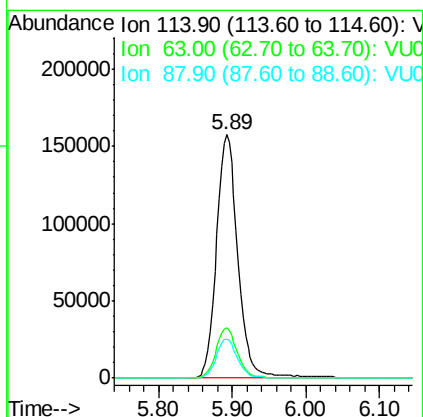
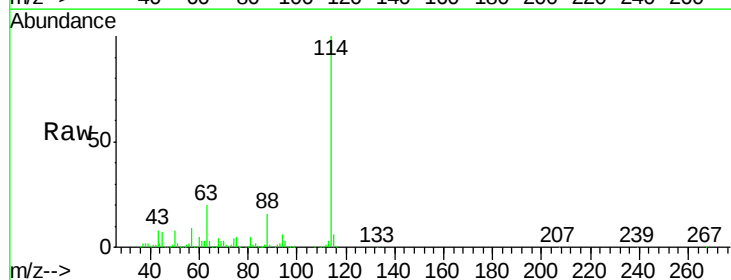
Instrument :
 MSVOA_U
 ClientSampleId :
 PB110190ZHE#13

Tgt Ion: 65 Resp: 146234
 Ion Ratio Lower Upper
 65 100
 67 53.3 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: VU024514.D
 Acq: 13 Jun 2018 17:45

Tgt Ion: 114 Resp: 317683
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 45.4
 88 16.2 0.0 31.0

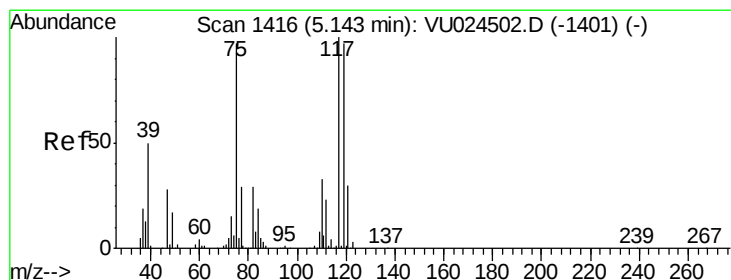
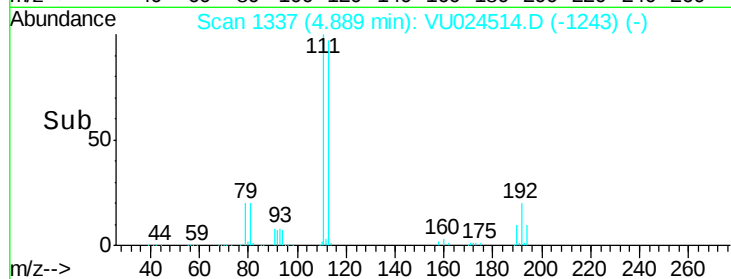
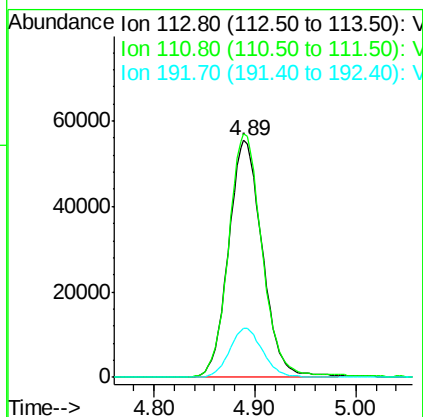
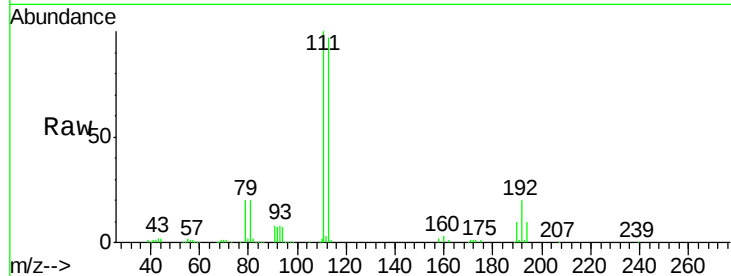




#35
 Dibromofluoromethane
 Concen: 49.05 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024514.D
 Acq: 13 Jun 2018 17:45

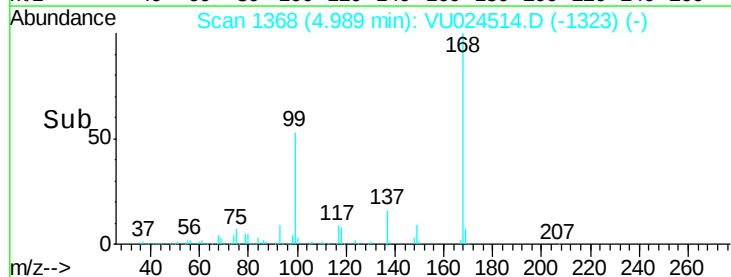
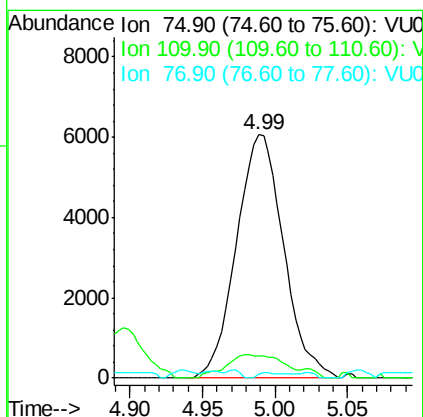
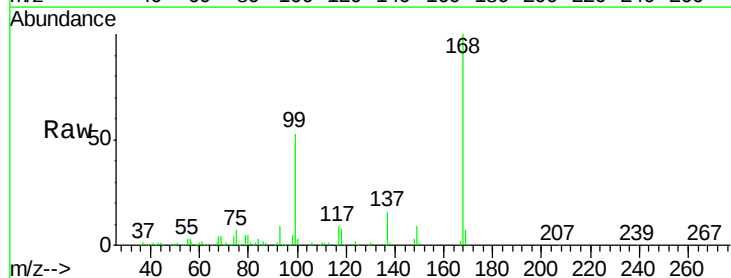
Instrument :
 MSVOA_U
 ClientSampleId :
 PB110190ZHE#13

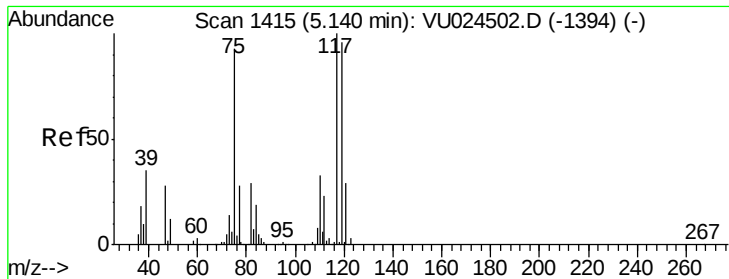
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.2	123.4
192	20.3	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 3.67 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024514.D
 Acq: 13 Jun 2018 17:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.0	50.9#
77	1.3	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.24 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024514.D

Acq: 13 Jun 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

PB110190ZHE#13

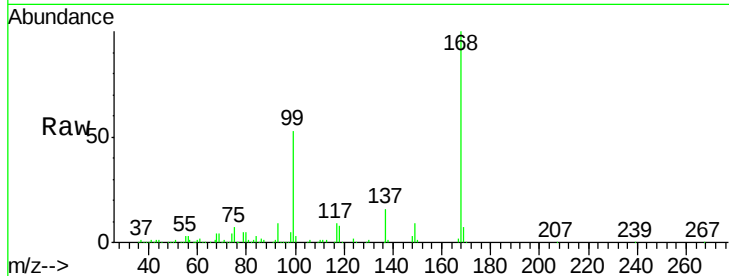
Tgt Ion:117 Resp: 17385

Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

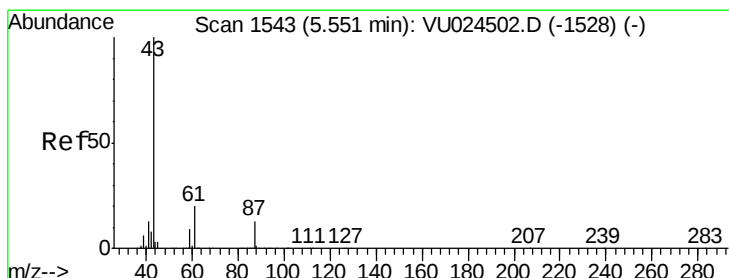
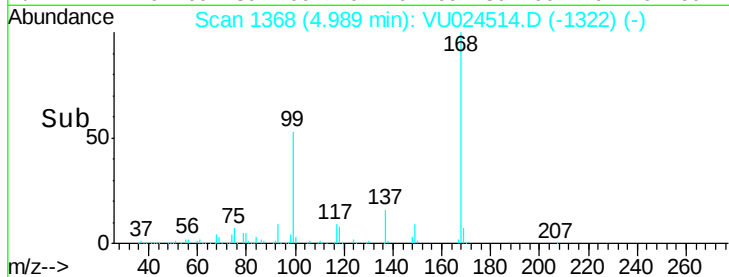
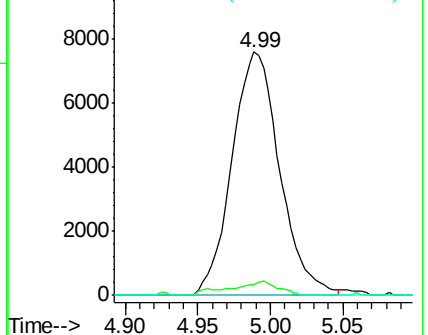
121 0.0 23.7 35.5#



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: 6.84 ug/l

RT: 5.80 min Scan# 1621

Delta R.T. 0.25 min

Lab File: VU024514.D

Acq: 13 Jun 2018 17:45

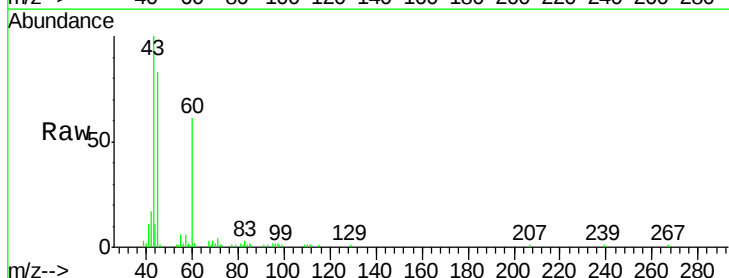
Tgt Ion: 43 Resp: 48072

Ion Ratio Lower Upper

43 100

61 0.2 15.4 23.0#

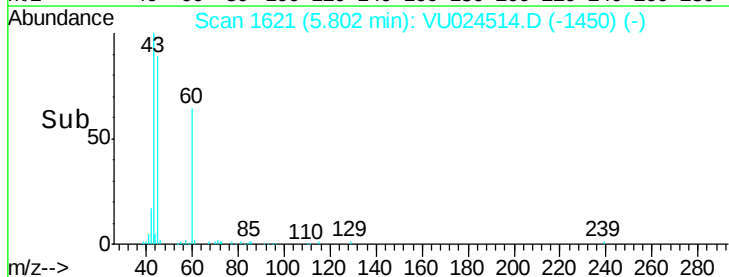
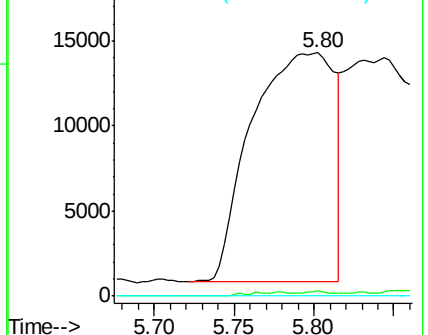
87 0.0 10.0 15.0#

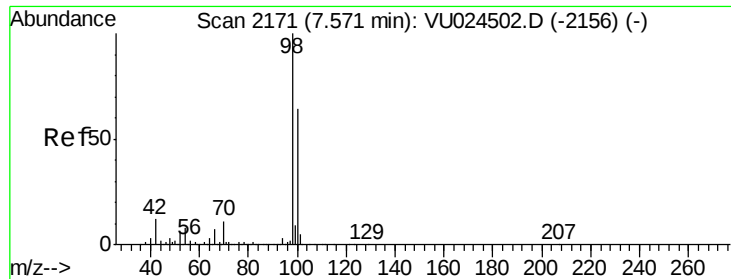


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

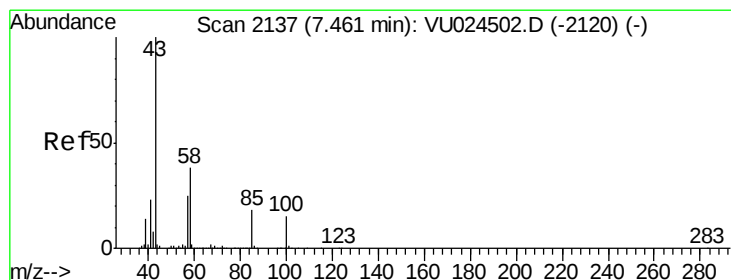
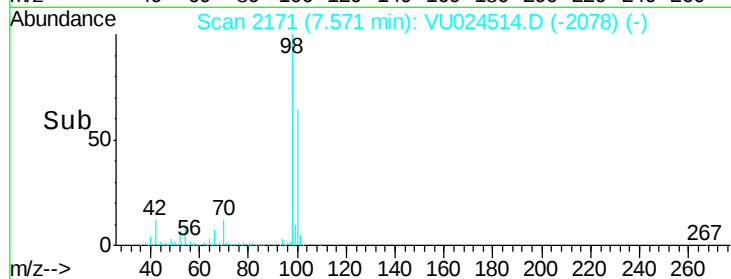
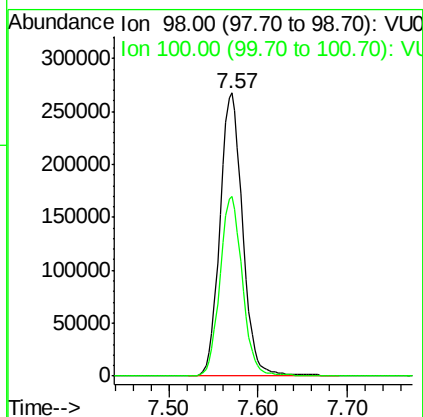
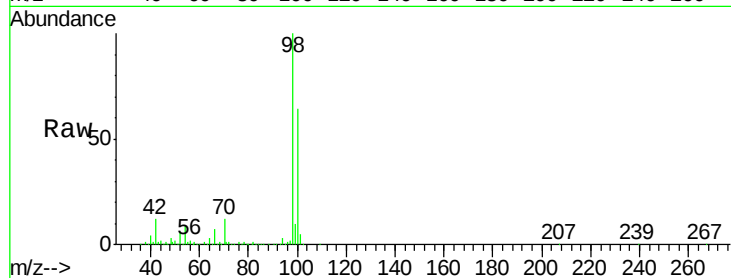




#50
Toluene-d8
Concen: 48.88 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024514.D
Acq: 13 Jun 2018 17:45

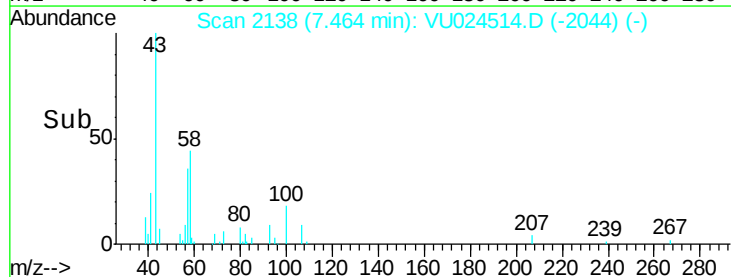
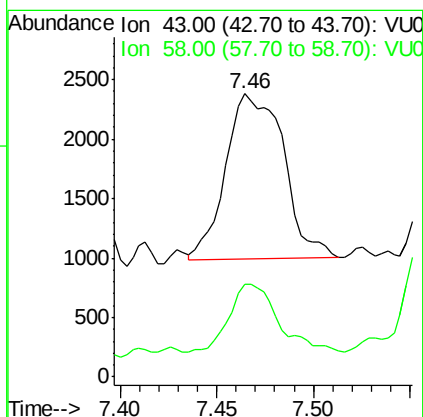
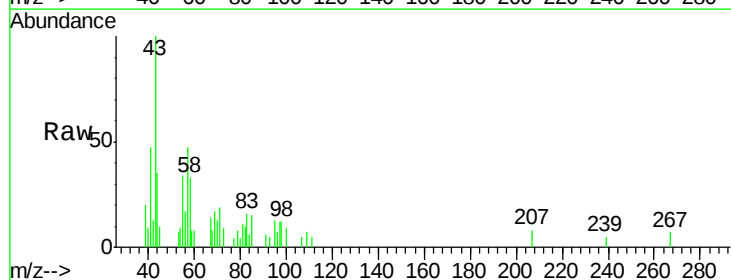
Instrument :
MSVOA_U
ClientSampleId :
PB110190ZHE#13

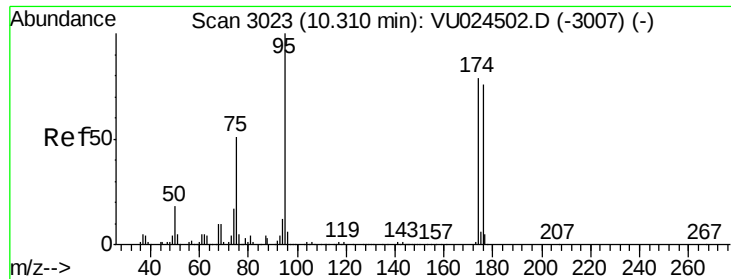
Tgt Ion: 98 Resp: 470120
Ion Ratio Lower Upper
98 100
100 63.2 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.65 ug/l
RT: 7.46 min Scan# 2138
Delta R.T. 0.00 min
Lab File: VU024514.D
Acq: 13 Jun 2018 17:45

Tgt Ion: 43 Resp: 2894
Ion Ratio Lower Upper
43 100
58 35.5 30.0 45.0





#62

4-Bromofluorobenzene

Concen: 48.50 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU024514.D

Acq: 13 Jun 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

PB110190ZHE#13

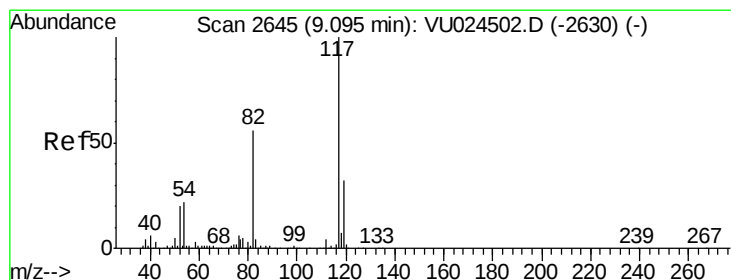
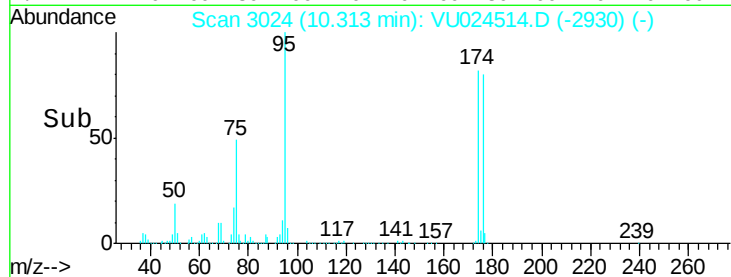
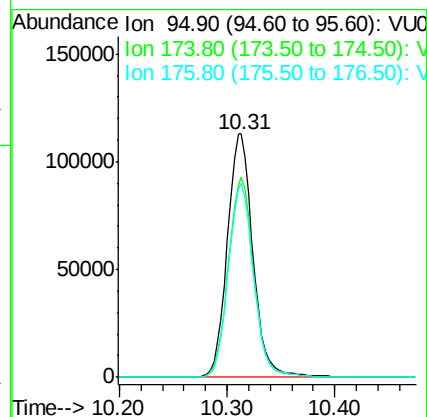
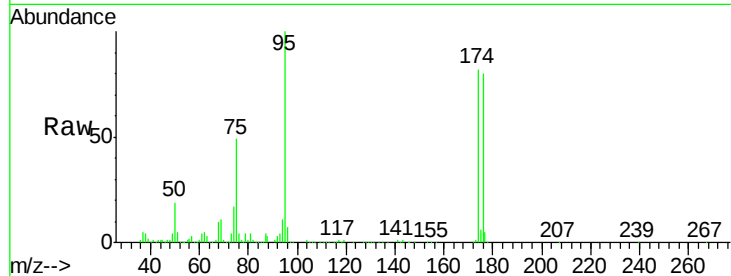
Tgt Ion: 95 Resp: 185195

Ion Ratio Lower Upper

95 100

174 82.1 0.0 165.8

176 79.5 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: VU024514.D

Acq: 13 Jun 2018 17:45

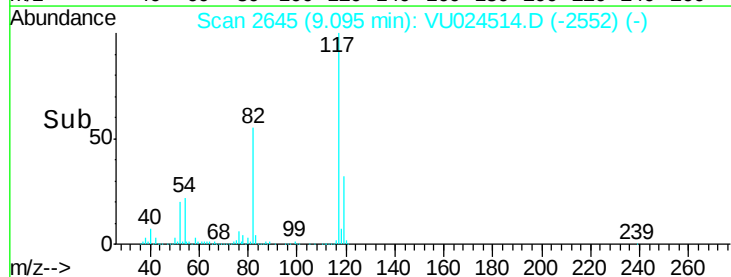
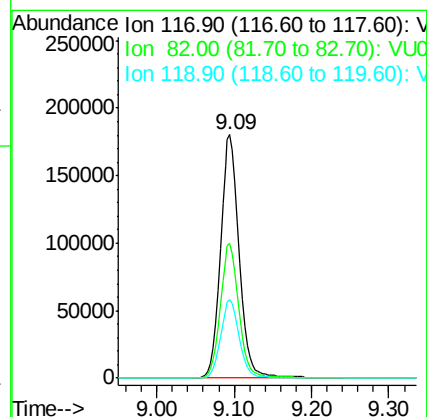
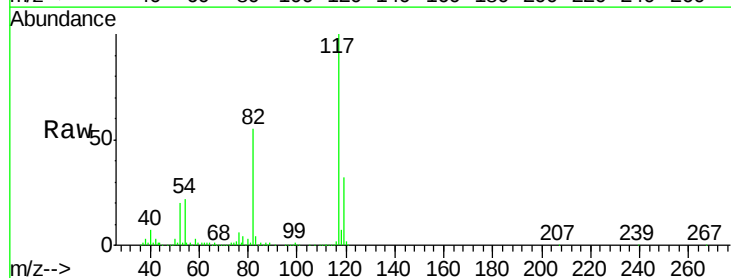
Tgt Ion: 117 Resp: 308228

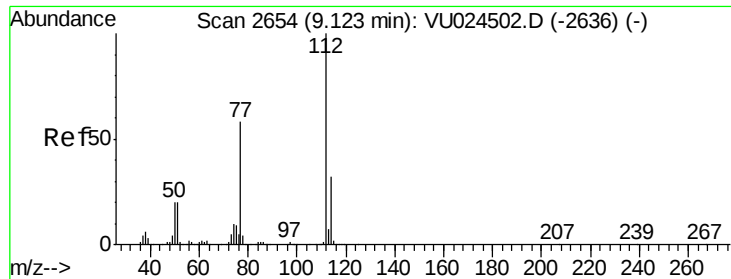
Ion Ratio Lower Upper

117 100

82 55.4 44.3 66.5

119 32.3 25.4 38.2





#65

Chlorobenzene

Concen: 0.66 ug/l

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU024514.D

Acq: 13 Jun 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

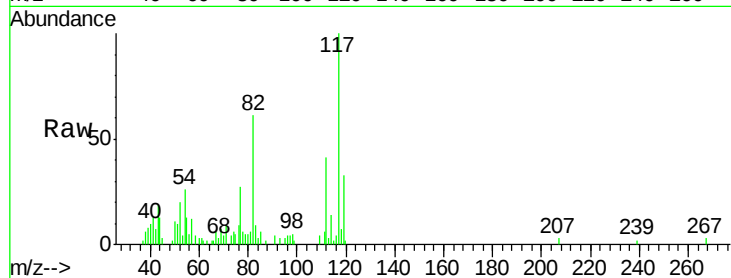
PB110190ZHE#13

Tgt Ion:112 Resp: 5185

Ion Ratio Lower Upper

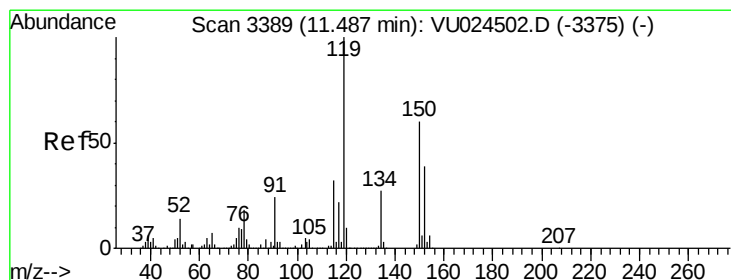
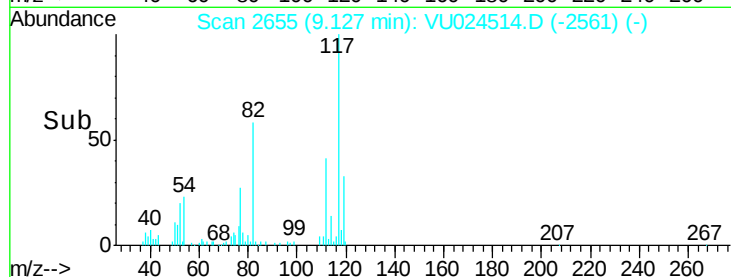
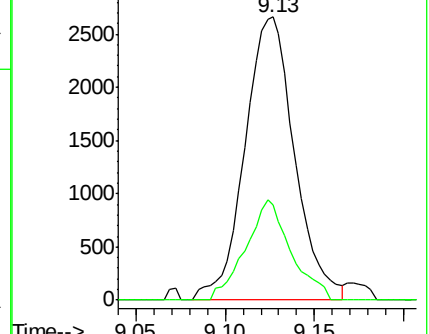
112 100

114 33.4 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: VU024514.D

Acq: 13 Jun 2018 17:45

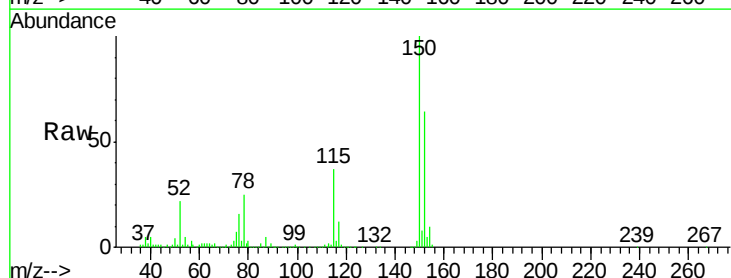
Tgt Ion:152 Resp: 178984

Ion Ratio Lower Upper

152 100

115 57.8 43.0 129.0

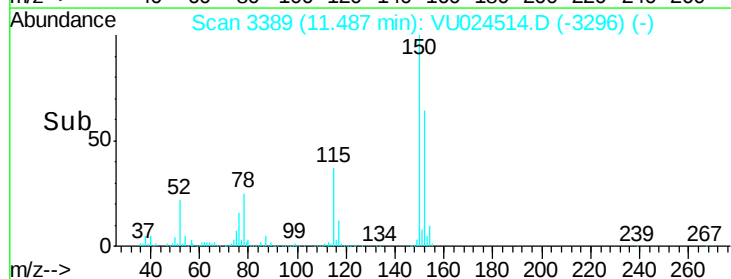
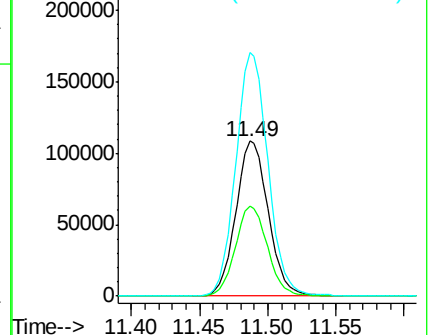
150 155.8 0.0 354.0

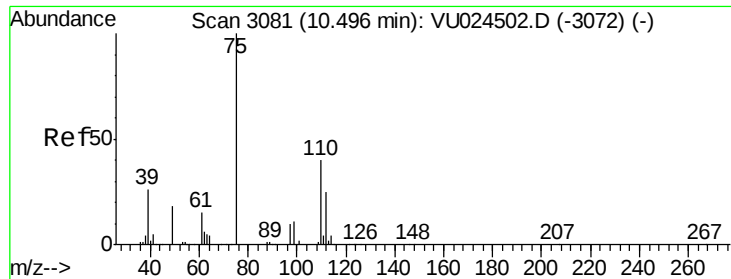


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

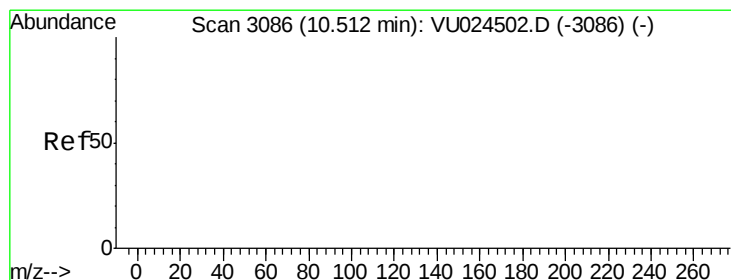
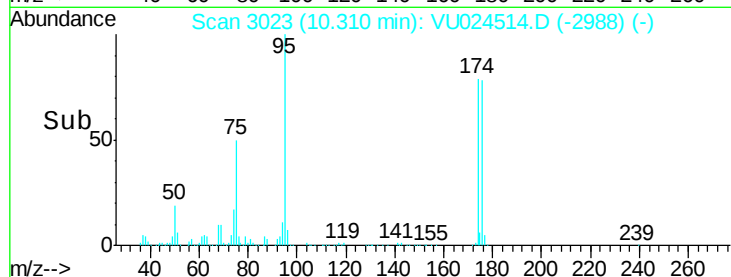
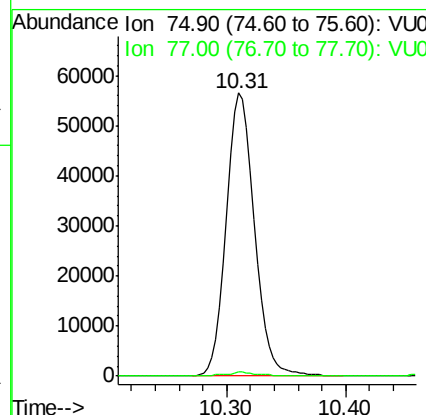
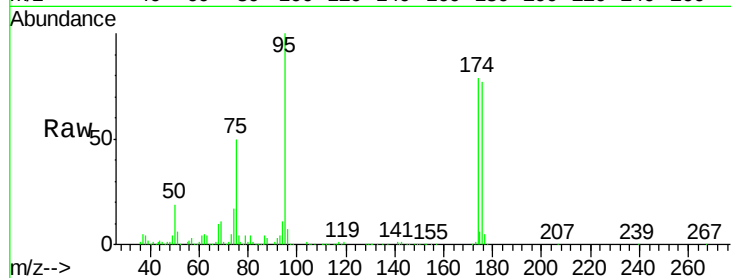




#76
 1,2,3-Trichloropropane
 Concen: 23.65 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU024514.D
 Acq: 13 Jun 2018 17:45

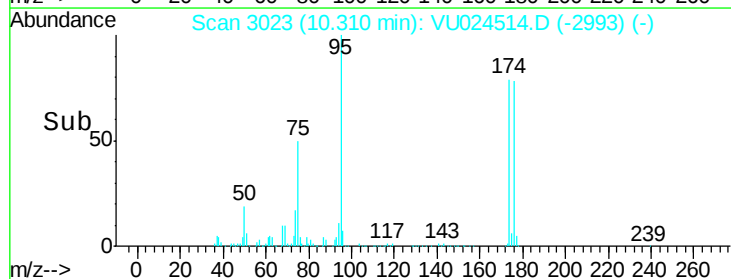
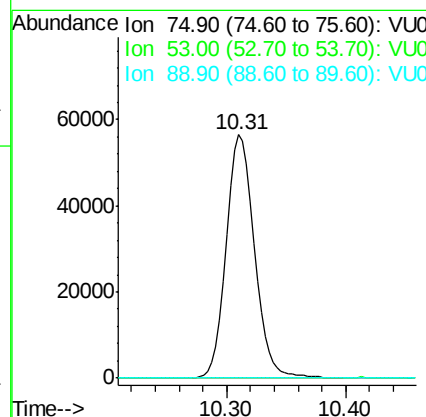
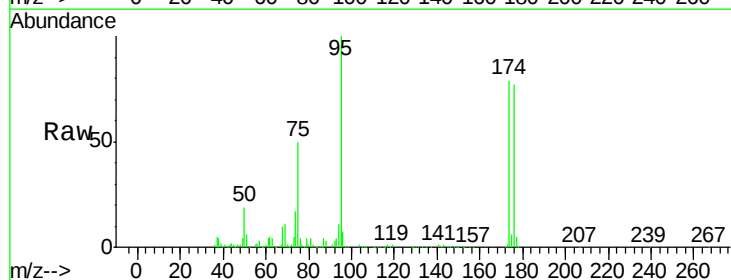
Instrument :
 MSVOA_U
 ClientSampleId :
 PB110190ZHE#13

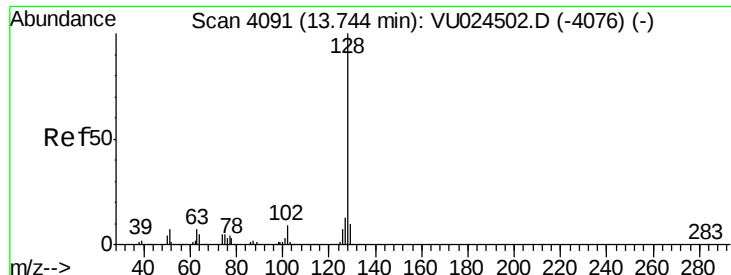
Tgt Ion: 75 Resp: 93190
 Ion Ratio Lower Upper
 75 100
 77 1.8 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.73 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU024514.D
 Acq: 13 Jun 2018 17:45

Tgt Ion: 75 Resp: 93190
 Ion Ratio Lower Upper
 75 100
 53 0.2 0.0 0.0#
 89 0.0 0.0 0.0





#95
Naphthalene
Concen: 0.72 ug/l
RT: 13.77 min Scan# 4099
Delta R.T. 0.03 min
Lab File: VU024514.D
Acq: 13 Jun 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
PB110190ZHE#13

Tgt Ion:128 Resp: 577
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 17.7 8.6 12.8#

