

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025115.D
 Acq On : 01 Jul 2018 03:18
 Operator : MD/SY
 Sample : J3789-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
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Quant Time: Jul 02 05:46:35 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	211451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	315494	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	294850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151615	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	160835	46.59	ug/l	0.00
Spiked Amount			Recovery	=	93.18%	
35) Dibromofluoromethane	4.89	113	123386	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
50) Toluene-d8	7.57	98	454558	47.59	ug/l	0.00
Spiked Amount			Recovery	=	95.18%	
62) 4-Bromofluorobenzene	10.31	95	168893	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	

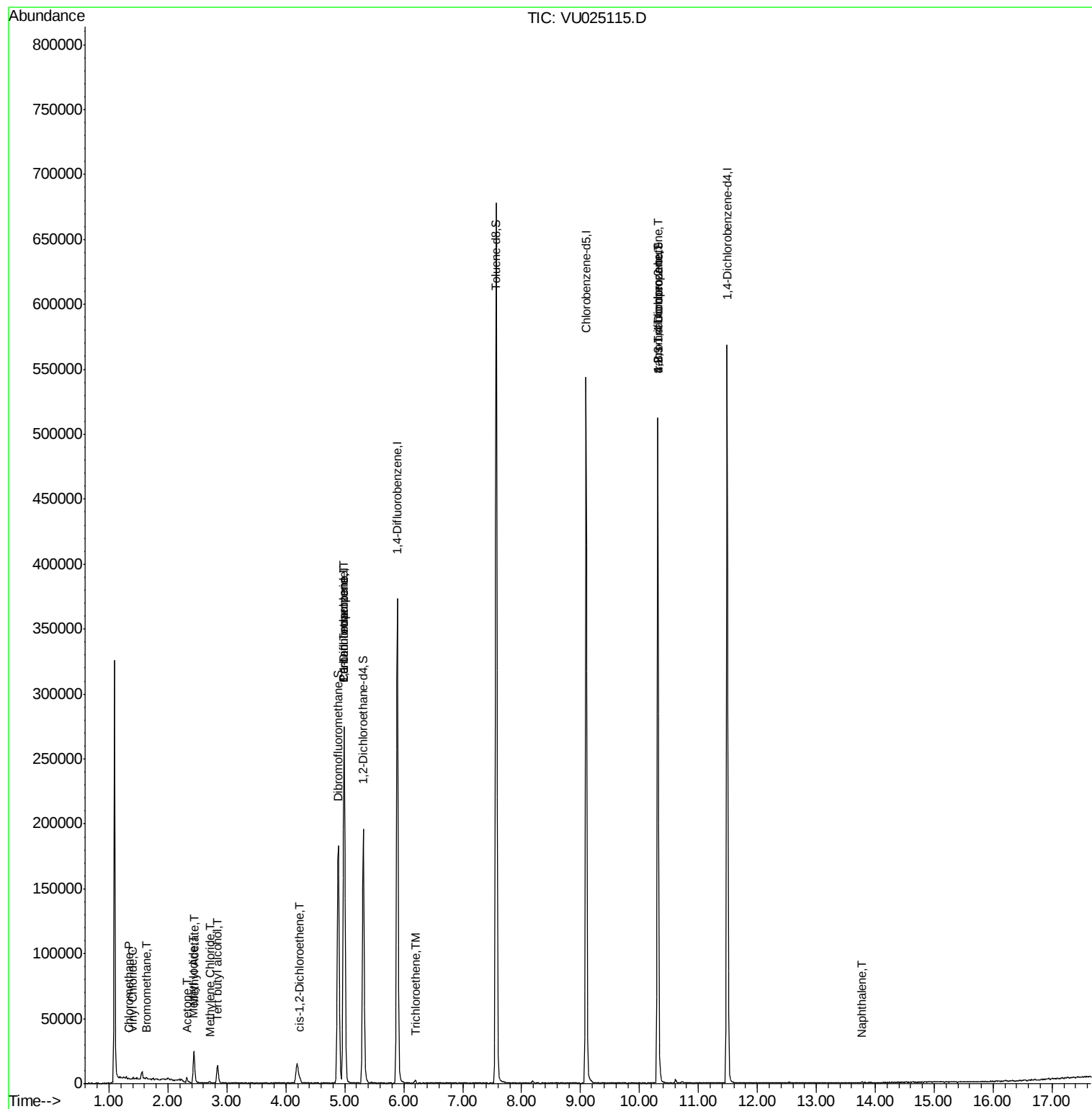
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	618	0.229	ug/l #	83
4) Vinyl Chloride	1.40	62	586	0.210	ug/l	100
5) Bromomethane	1.63	94	394	0.292	ug/l #	74
6) Chloroethane	1.69	64	150	Below Cal	#	43
10) Methyl Iodide	2.42	142	242	5.385	ug/l #	59
11) Tert butyl alcohol	2.84	59	7991	9.518	ug/l #	74
16) Acetone	2.32	43	4067	2.193	ug/l	96
18) Methyl Acetate	2.44	43	6498	1.634	ug/l #	53
20) Methylene Chloride	2.71	84	752	0.258	ug/l #	69
27) cis-1,2-Dichloroethene	4.24	96	1590	0.522	ug/l	88
31) Cyclohexane	4.98	56	4324	Below Cal	#	4
36) 1,1-Dichloropropene	4.99	75	15954	4.303	ug/l #	50
38) Carbon Tetrachloride	4.99	117	20727	5.084	ug/l #	16
44) Trichloroethene	6.20	130	842	0.280	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	89027	26.671	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	89027	61.727	ug/l #	100
95) Naphthalene	13.77	128	217	0.698	ug/l #	69

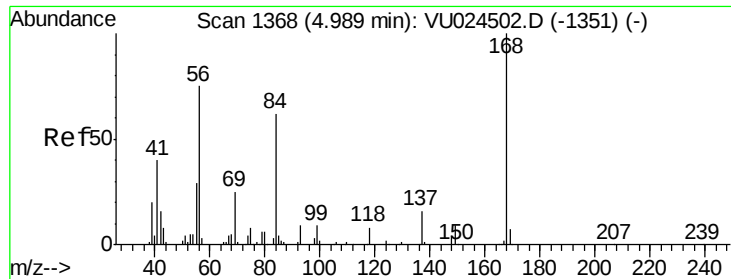
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
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Quant Time: Jul 02 05:46:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025115.D

Acq: 01 Jul 2018 03:18

Instrument :

MSVOA_U

ClientSampleId :

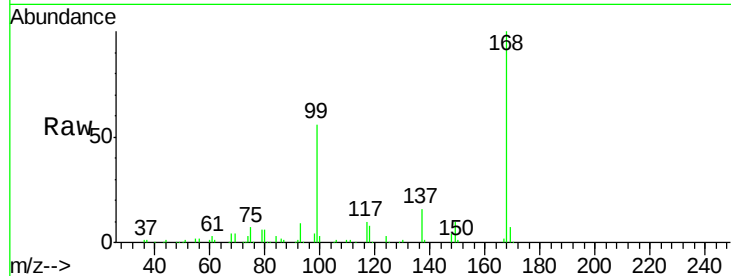
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Tgt Ion:168 Resp: 211451

Ion Ratio Lower Upper

168 100

99 56.1 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

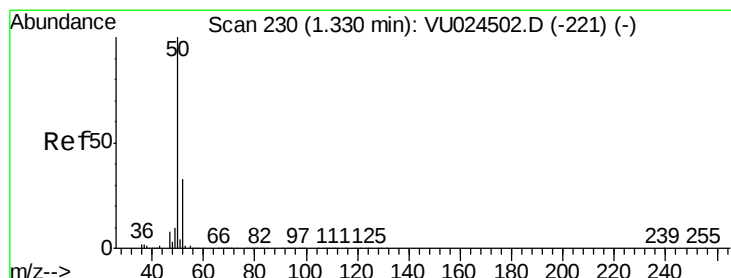
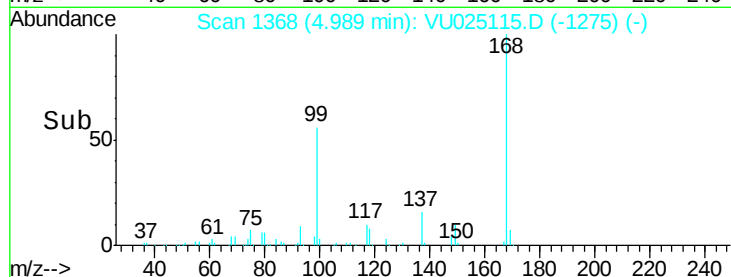
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.229 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025115.D

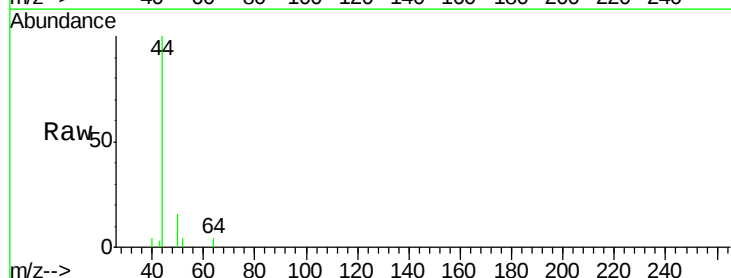
Acq: 01 Jul 2018 03:18

Tgt Ion: 50 Resp: 618

Ion Ratio Lower Upper

50 100

52 23.3 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

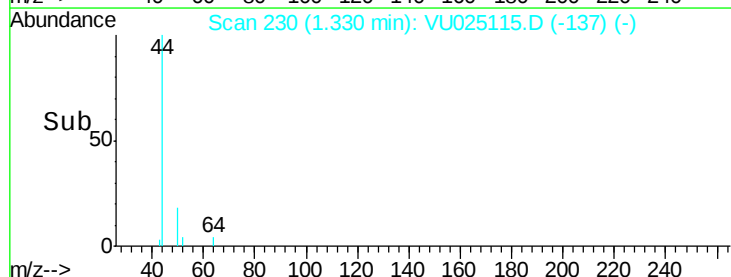
600

400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.210 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025115.D

Acq: 01 Jul 2018 03:18

Instrument :

MSVOA_U

ClientSampleId :

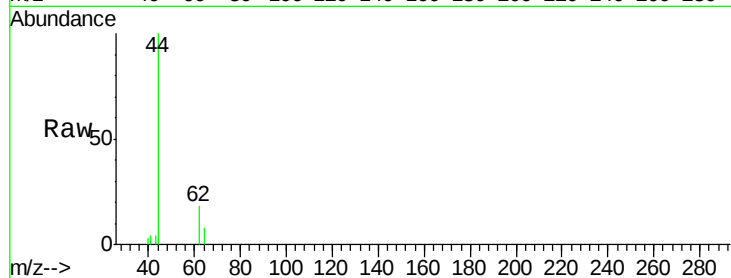
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Tgt Ion: 62 Resp: 586

Ion Ratio Lower Upper

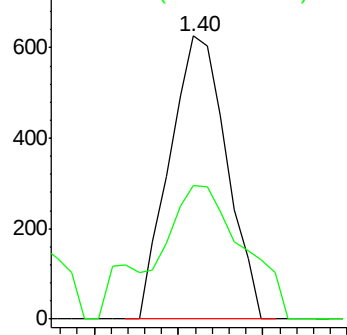
62 100

64 30.8 24.8 37.2

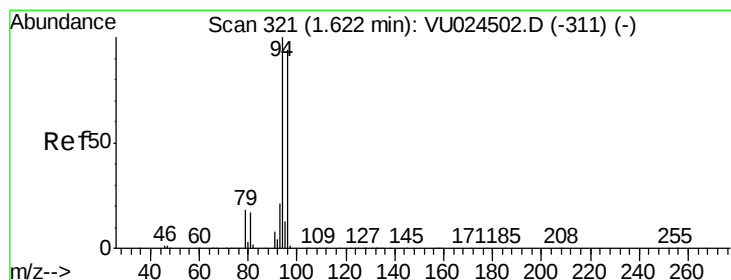
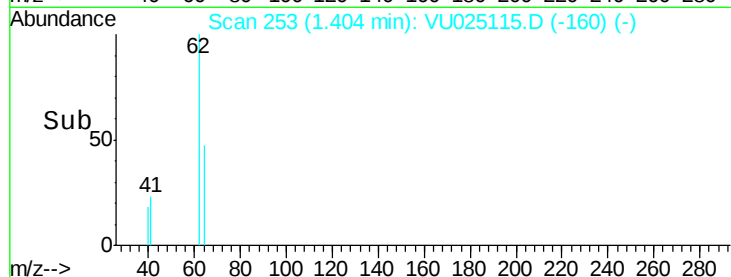


Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



Time-->



#5

Bromomethane

Concen: 0.292 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025115.D

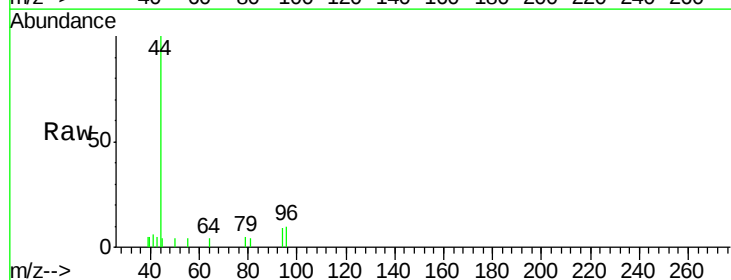
Acq: 01 Jul 2018 03:18

Tgt Ion: 94 Resp: 394

Ion Ratio Lower Upper

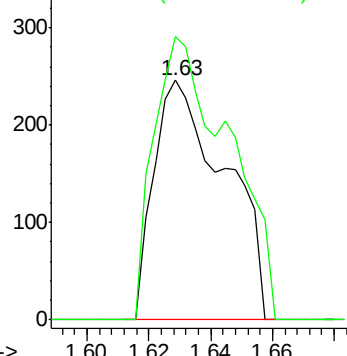
94 100

96 118.3 74.5 111.7#

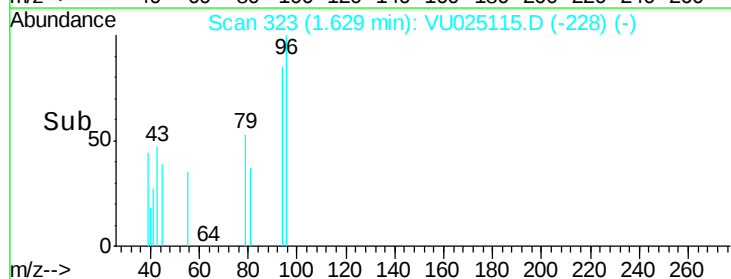


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025115.D

Acq: 01 Jul 2018 03:18

Instrument :

MSVOA_U

ClientSampleId :

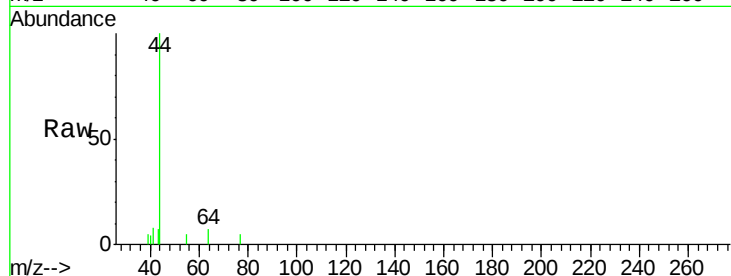
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Tgt Ion: 64 Resp: 150

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

1.69

150

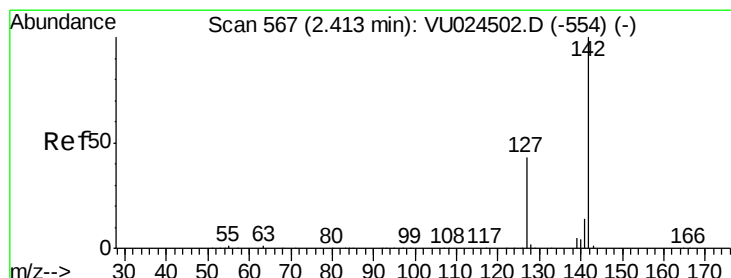
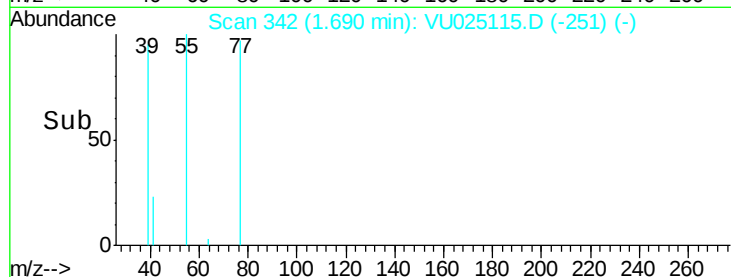
100

50

0

1.68 1.70

Time-->



#10

Methyl Iodide

Concen: 5.385 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU025115.D

Acq: 01 Jul 2018 03:18

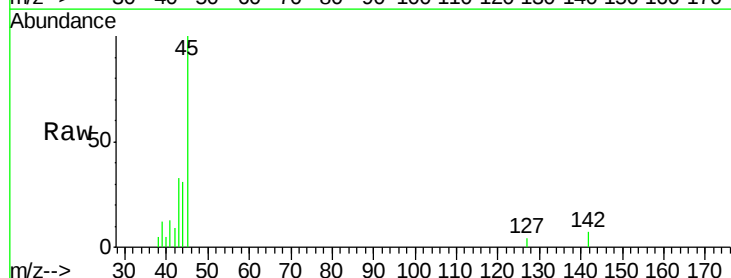
Tgt Ion: 142 Resp: 242

Ion Ratio Lower Upper

142 100

127 16.9 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

2.42

200

150

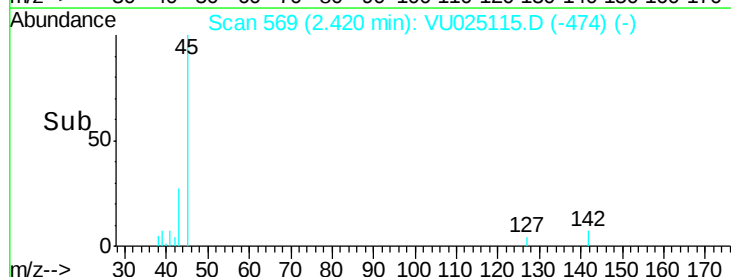
100

50

0

2.40 2.42 2.44

Time-->

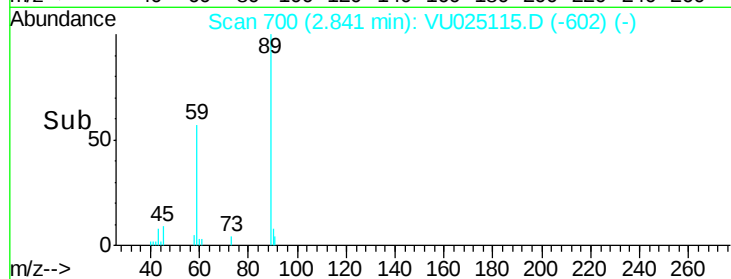
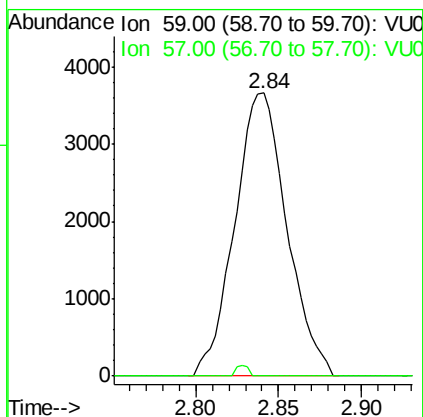
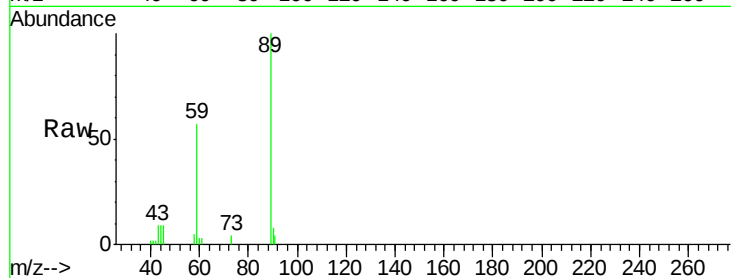




#11
Tert butyl alcohol
Concen: 9.518 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU025115.D
Acq: 01 Jul 2018 03:18

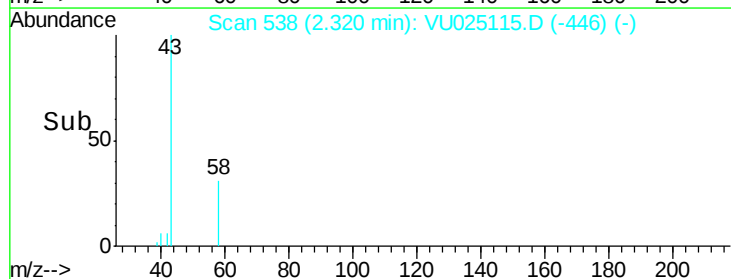
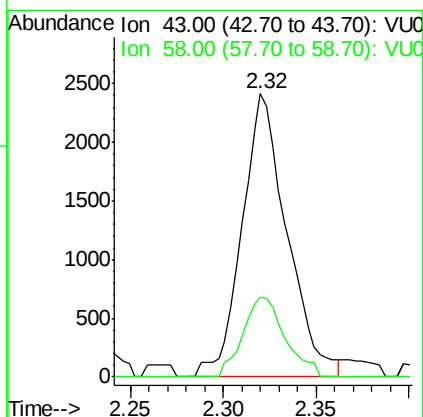
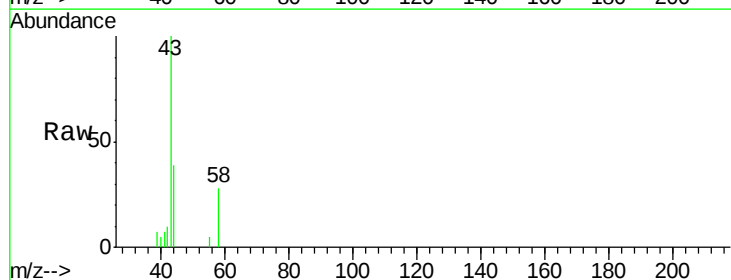
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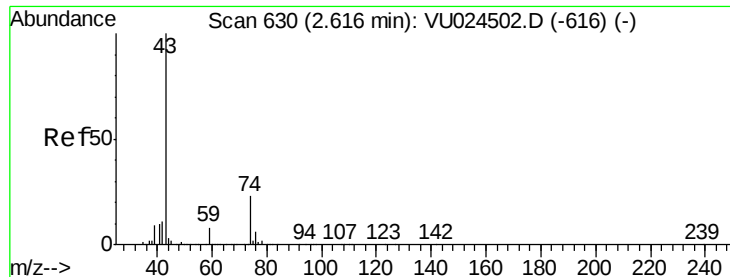
Tgt Ion: 59 Resp: 7991
Ion Ratio Lower Upper
59 100
57 0.9 8.5 12.7#



#16
Acetone
Concen: 2.193 ug/l
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU025115.D
Acq: 01 Jul 2018 03:18

Tgt Ion: 43 Resp: 4067
Ion Ratio Lower Upper
43 100
58 28.1 24.4 36.6

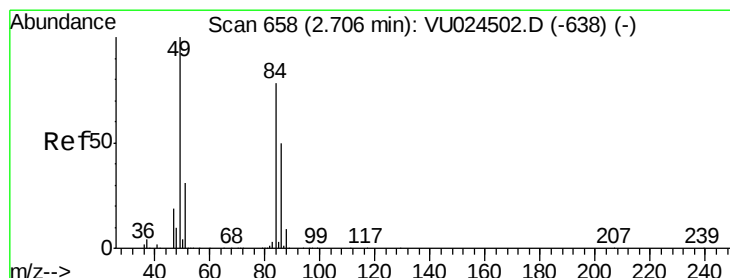
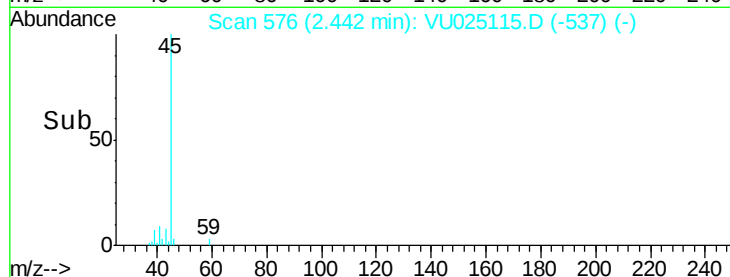
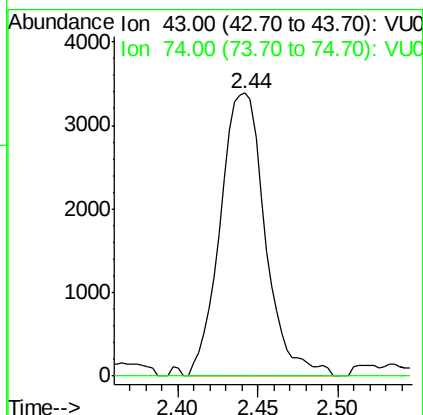
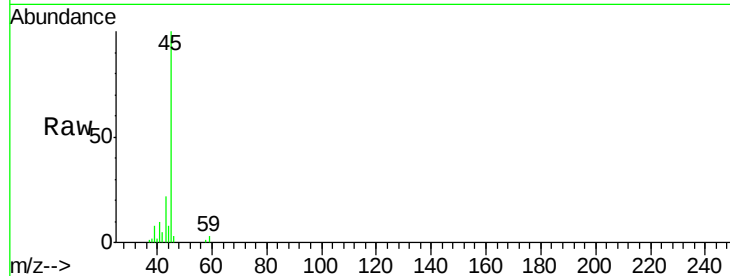




#18
Methyl Acetate
Concen: 1.634 ug/l
RT: 2.44 min Scan# 576
Delta R.T. -0.17 min
Lab File: VU025115.D
Acq: 01 Jul 2018 03:18

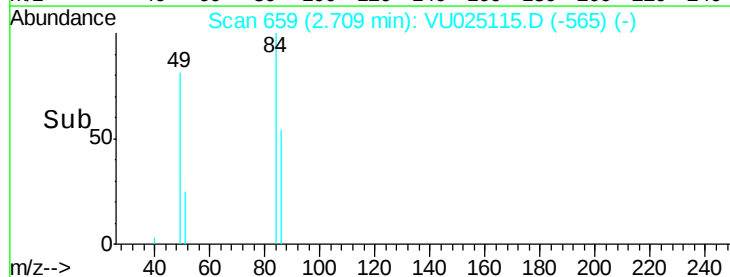
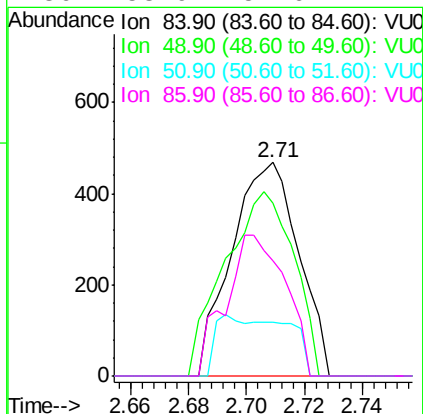
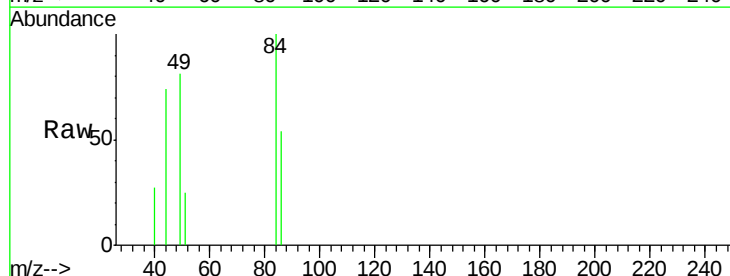
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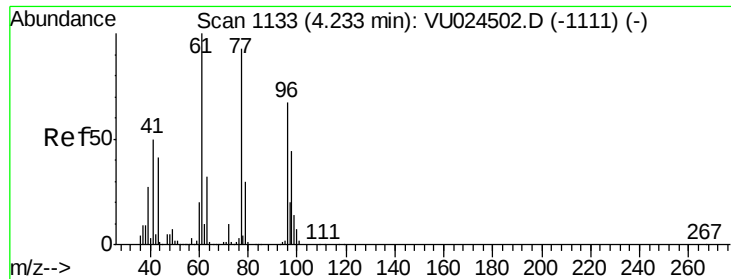
Tgt Ion: 43 Resp: 6498
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.00 min
Lab File: VU025115.D
Acq: 01 Jul 2018 03:18

Tgt Ion: 84 Resp: 752
Ion Ratio Lower Upper
84 100
49 80.8 103.8 155.8#
51 25.2 32.0 48.0#
86 53.9 51.6 77.4





#27

cis-1,2-Dichloroethene

Concen: 0.522 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU025115.D

Acq: 01 Jul 2018 03:18

Instrument :

MSVOA_U

ClientSampled :

FIELD-BLANK

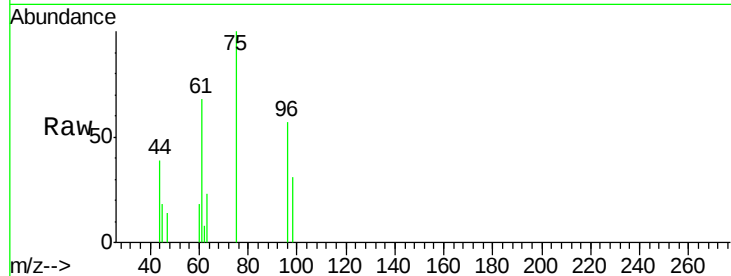
Tgt Ion: 96 Resp: 1590

Ion Ratio Lower Upper

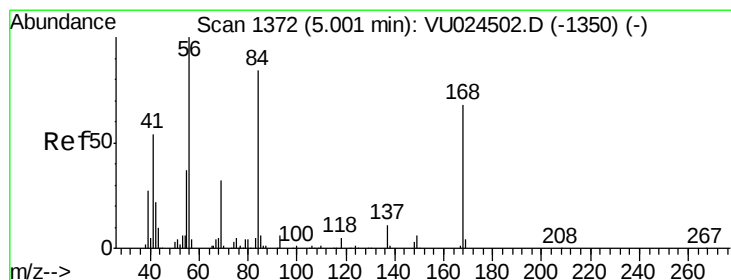
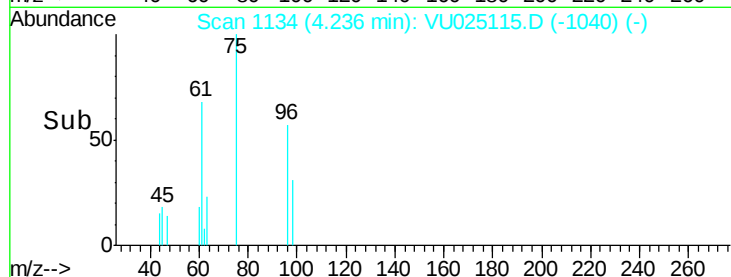
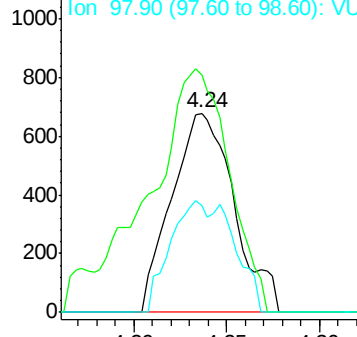
96 100

61 153.1 0.0 306.6

98 33.2 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU025115.D (-1040) (-)



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VU025115.D

Acq: 01 Jul 2018 03:18

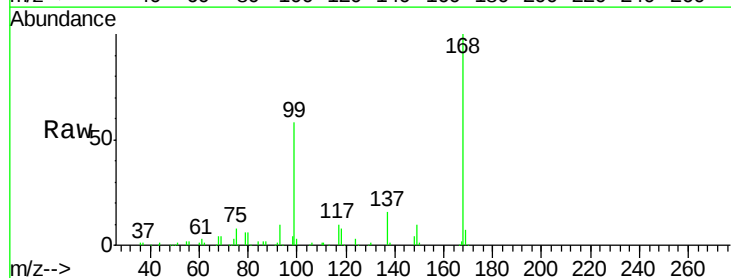
Tgt Ion: 56 Resp: 4324

Ion Ratio Lower Upper

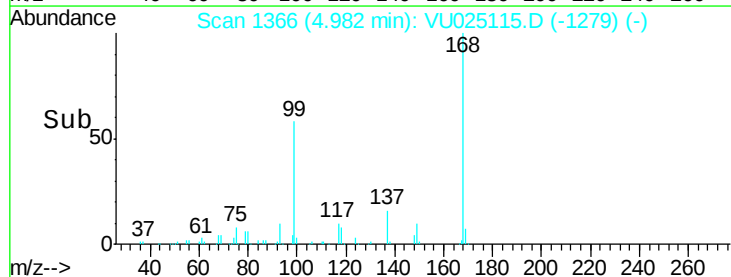
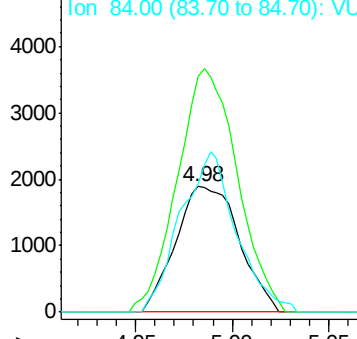
56 100

69 187.9 24.8 37.2#

84 102.7 65.2 97.8#



Abundance Ion 56.00 (55.70 to 56.70): VU025115.D (-1279) (-)

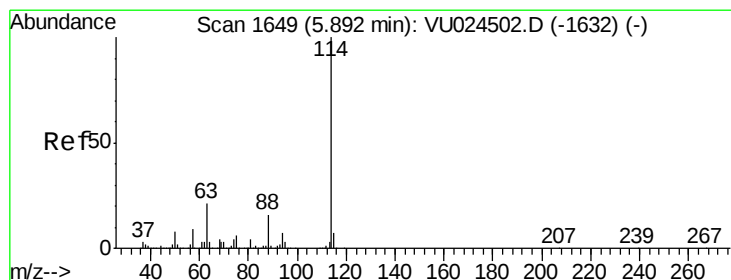
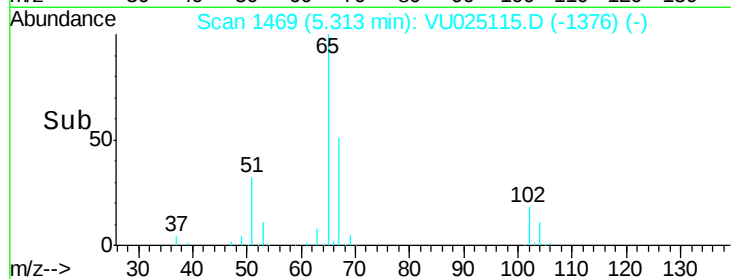
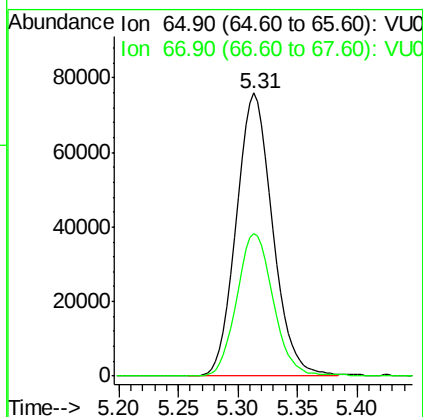
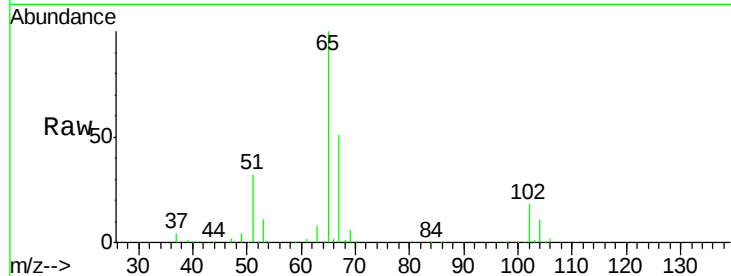




#33
 1,2-Dichloroethane-d4
 Concen: 46.592 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025115.D
 Acq: 01 Jul 2018 03:18

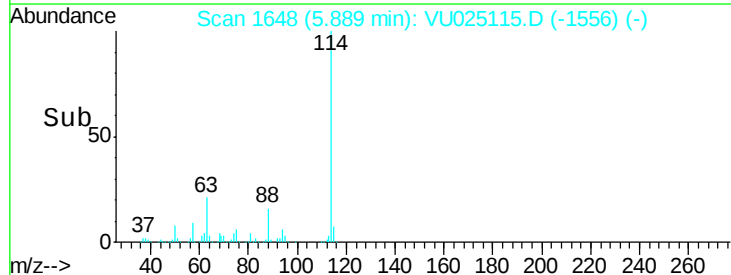
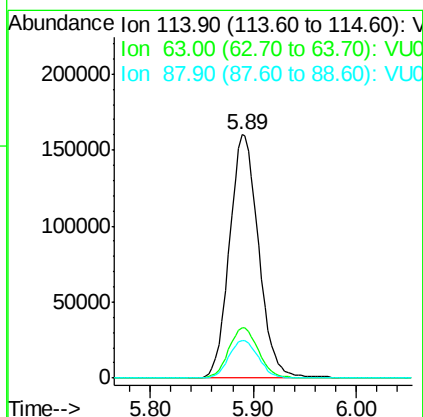
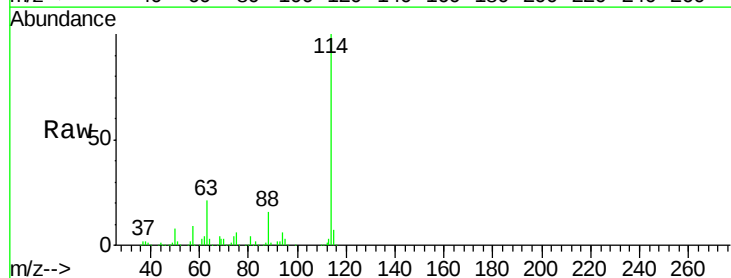
Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion: 65 Resp: 160835
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025115.D
 Acq: 01 Jul 2018 03:18

Tgt Ion: 114 Resp: 315494
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.4
 88 15.6 0.0 31.0

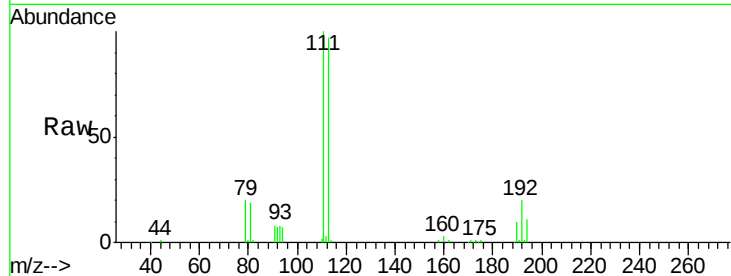




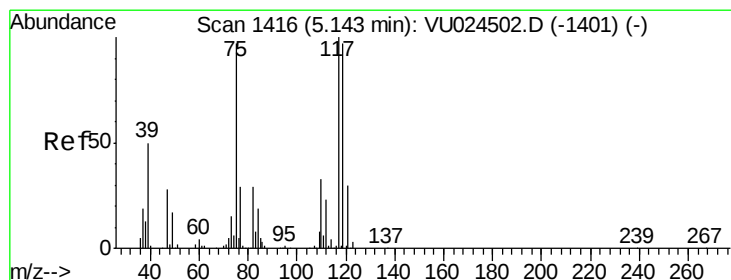
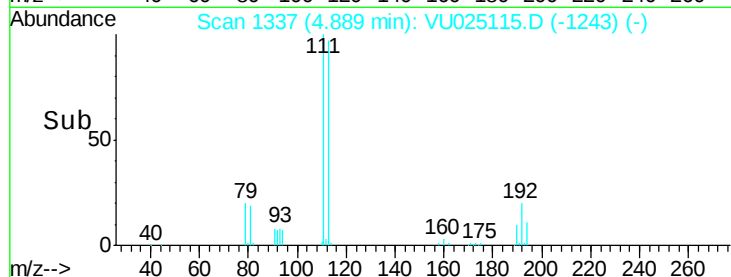
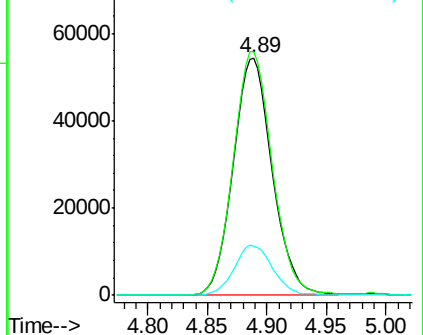
#35
 Dibromofluoromethane
 Concen: 47.123 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025115.D
 Acq: 01 Jul 2018 03:18

Instrument :
 MSVOA_U
 ClientSampleId :
 FIELD-BLANK

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.4
192	20.9	16.2	24.4

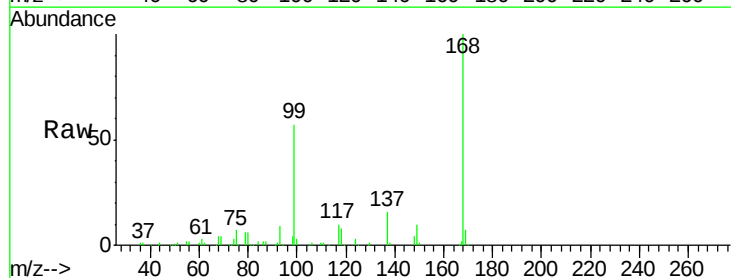


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

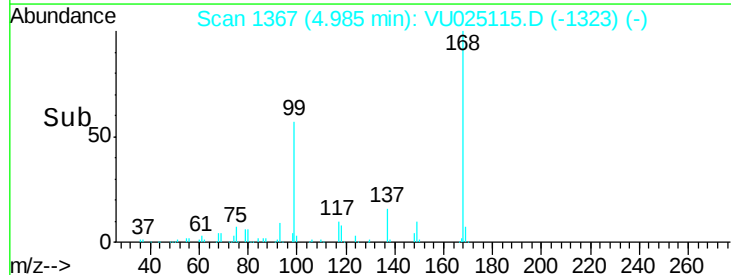
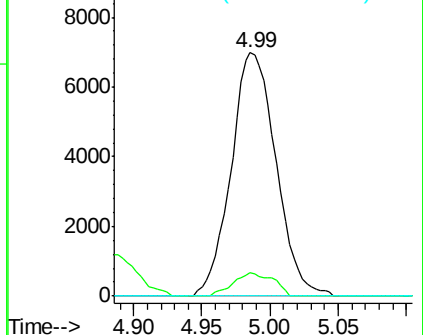


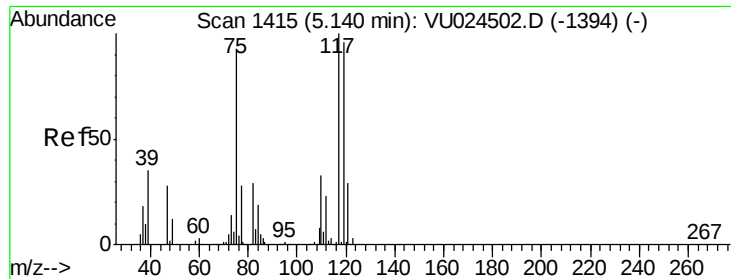
#36
 1,1-Dichloropropene
 Concen: 4.303 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025115.D
 Acq: 01 Jul 2018 03:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	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





#38

Carbon Tetrachloride

Concen: 5.084 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025115.D

Acq: 01 Jul 2018 03:18

Instrument :

MSVOA_U

ClientSampleId :

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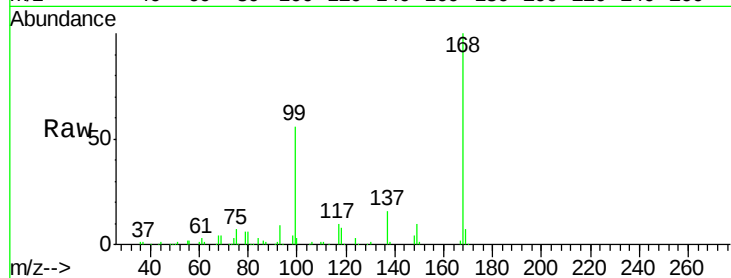
Tgt Ion:117 Resp: 20727

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

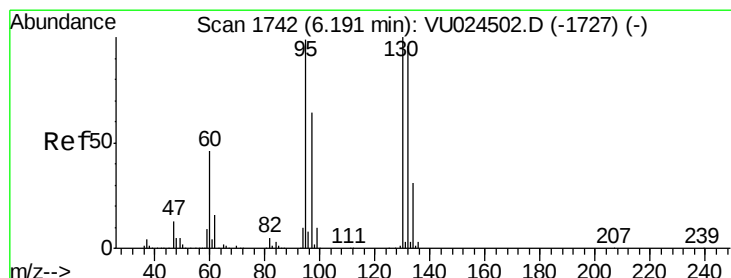
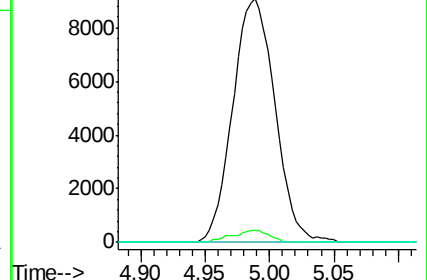
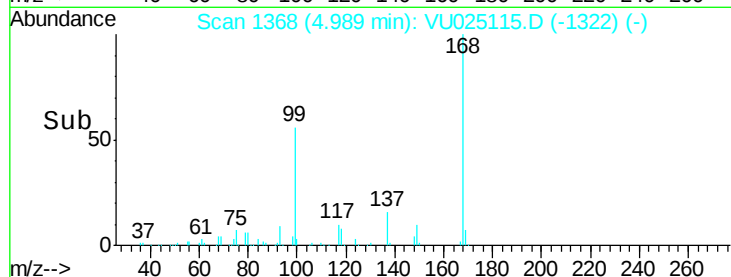
121 0.0 23.7 35.5#



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



#44

Trichloroethene

Concen: 0.280 ug/l

RT: 6.20 min Scan# 1744

Delta R.T. 0.01 min

Lab File: VU025115.D

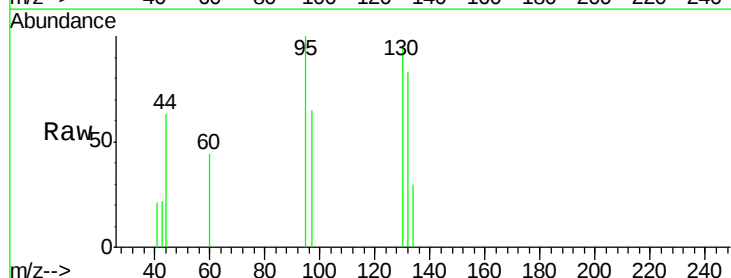
Acq: 01 Jul 2018 03:18

Tgt Ion:130 Resp: 842

Ion Ratio Lower Upper

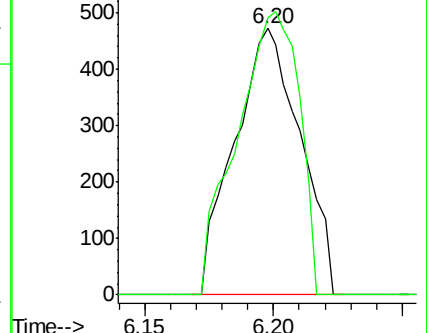
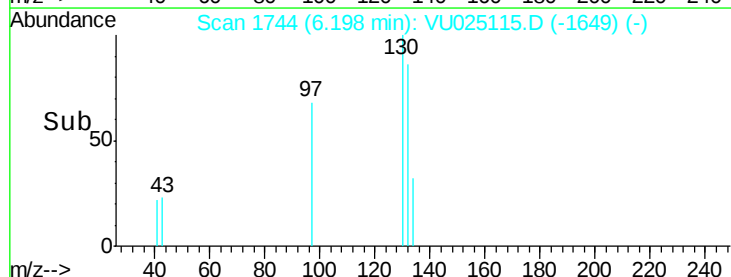
130 100

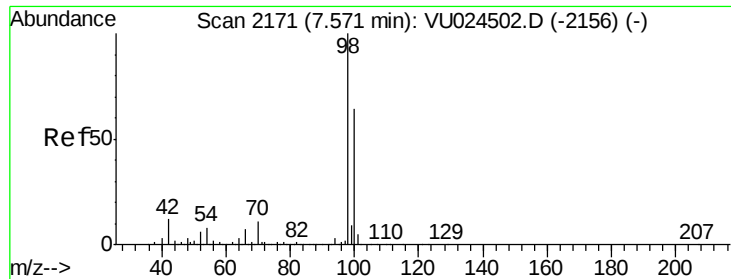
95 104.2 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 47.594 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025115.D

Acq: 01 Jul 2018 03:18

Instrument :

MSVOA_U

ClientSampled :

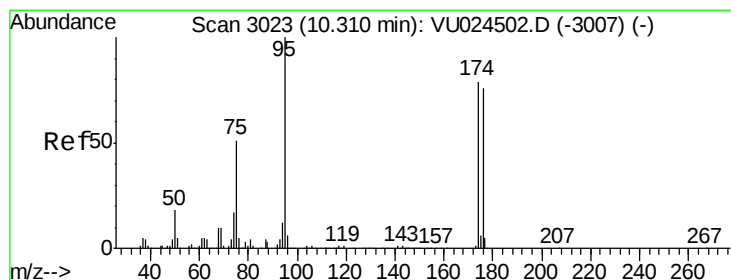
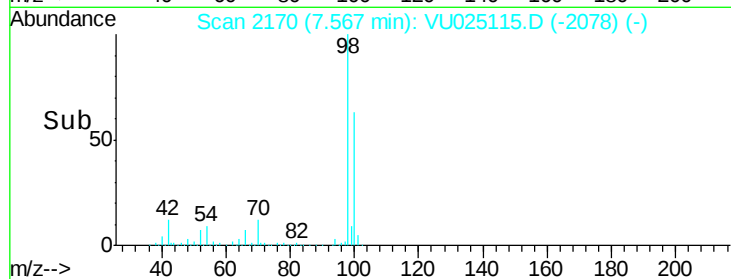
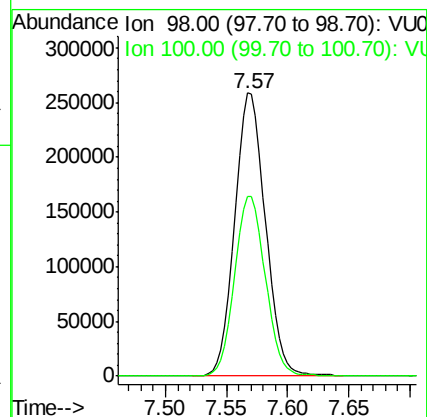
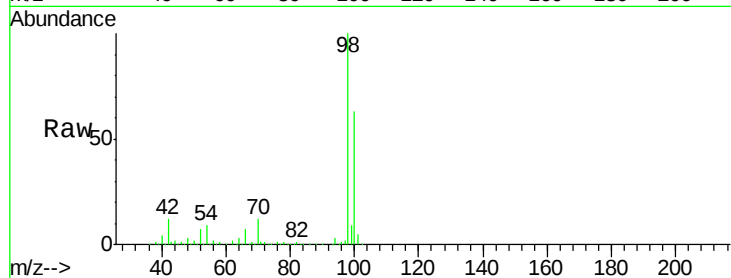
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Tgt Ion: 98 Resp: 454558

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 44.539 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025115.D

Acq: 01 Jul 2018 03:18

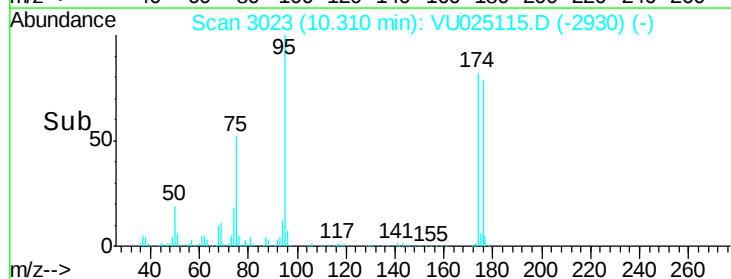
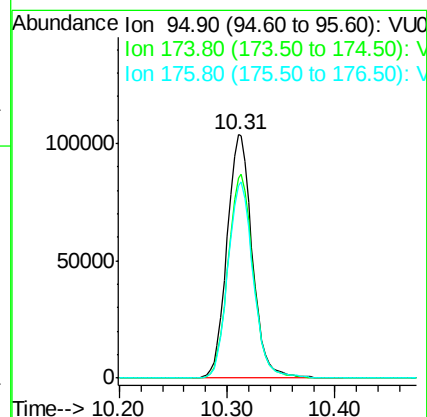
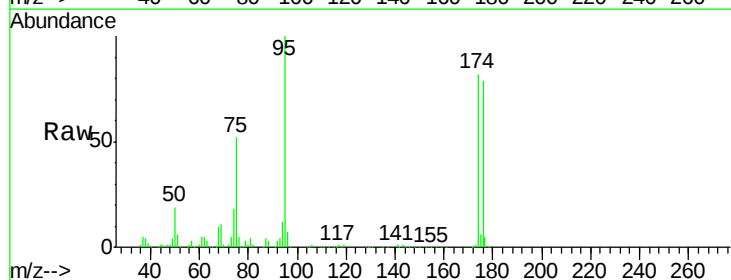
Tgt Ion: 95 Resp: 168893

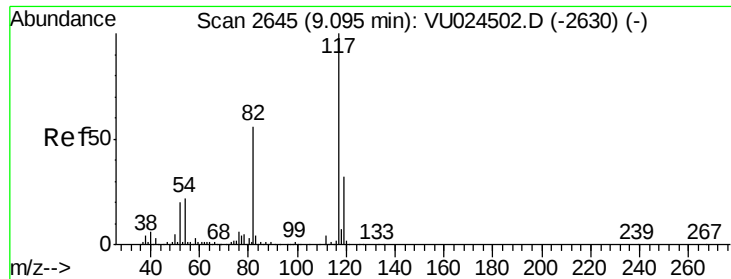
Ion Ratio Lower Upper

95 100

174 83.7 0.0 165.8

176 80.9 0.0 159.4

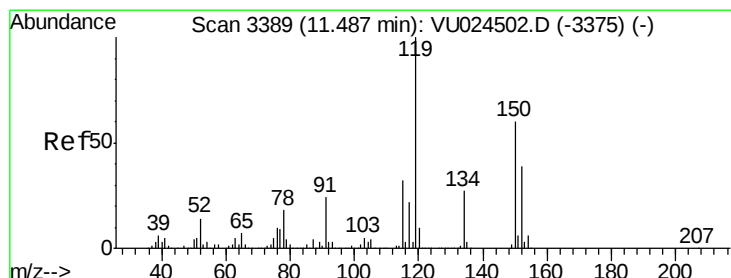
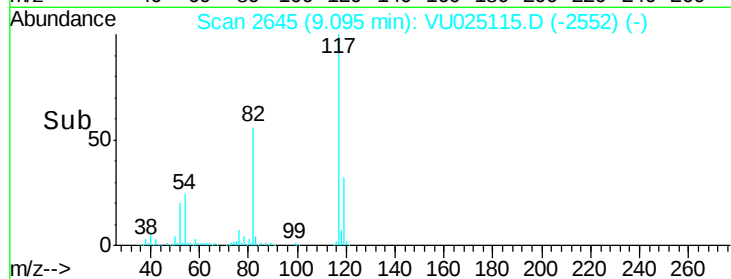
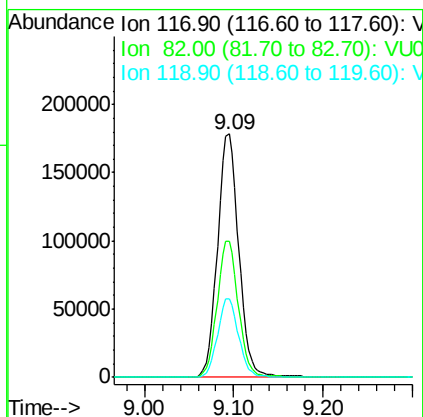
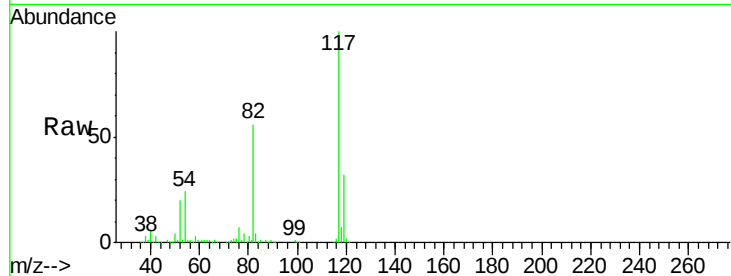




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU025115.D
 Acq: 01 Jul 2018 03:18

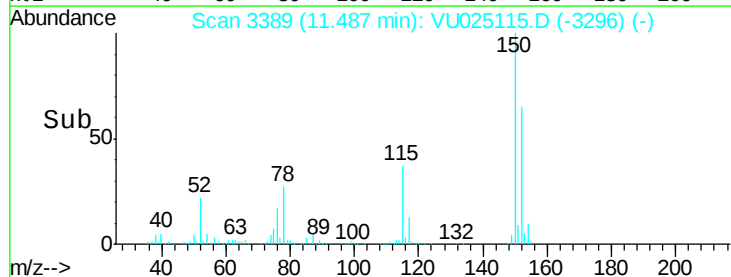
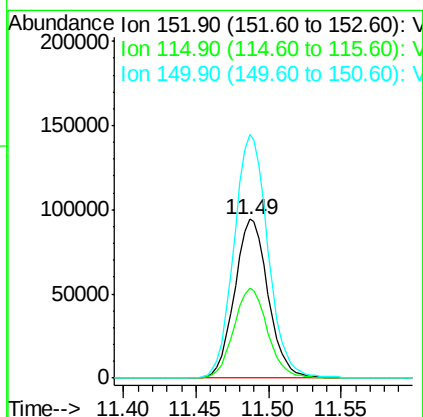
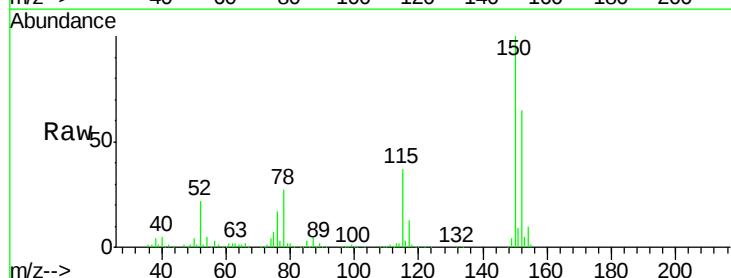
Instrument :
 MSVOA_U
 ClientSampleId :
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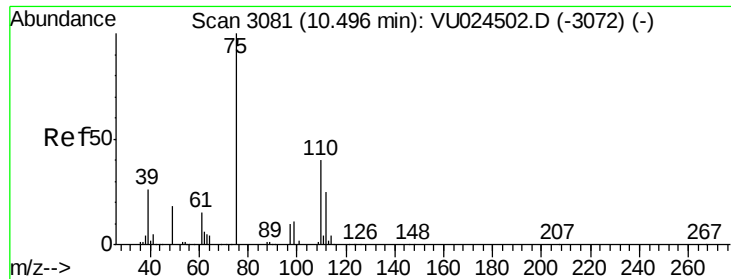
Tgt Ion:117 Resp: 294850
 Ion Ratio Lower Upper
 117 100
 82 56.1 44.3 66.5
 119 32.2 25.4 38.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU025115.D
 Acq: 01 Jul 2018 03:18

Tgt Ion:152 Resp: 151615
 Ion Ratio Lower Upper
 152 100
 115 57.2 43.0 129.0
 150 155.7 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 26.671 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025115.D

Acq: 01 Jul 2018 03:18

Instrument :

MSVOA_U

ClientSampleId :

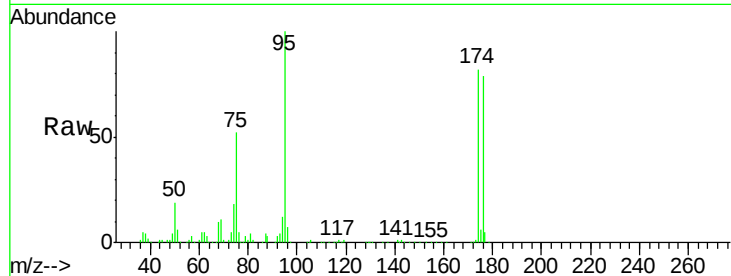
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Tgt Ion: 75 Resp: 89027

Ion Ratio Lower Upper

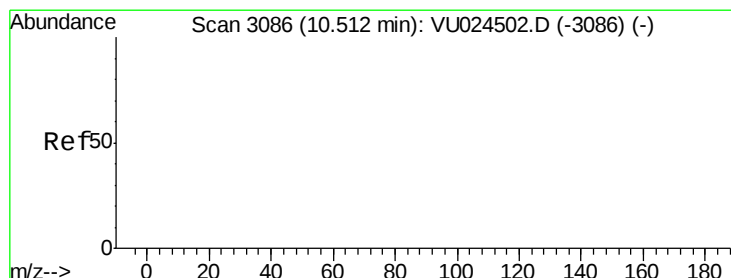
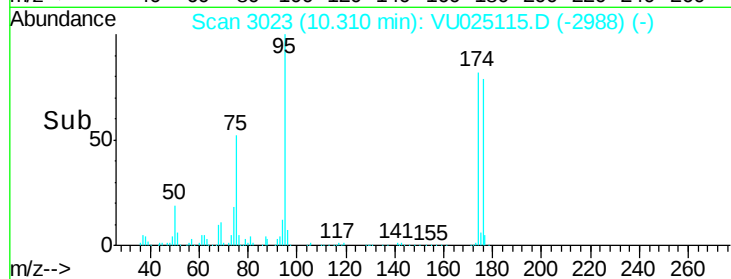
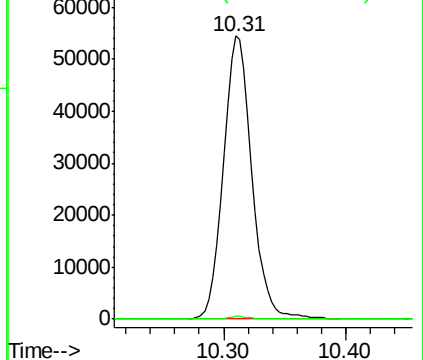
75 100

77 0.8 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: 61.727 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025115.D

Acq: 01 Jul 2018 03:18

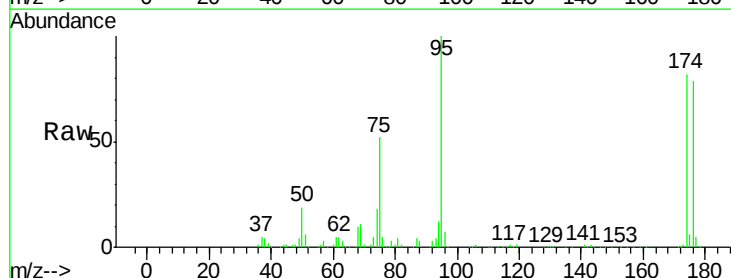
Tgt Ion: 75 Resp: 89027

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

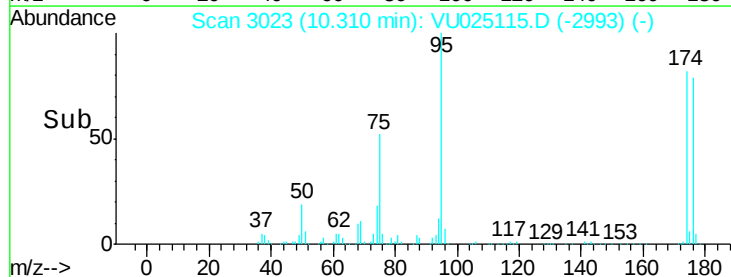
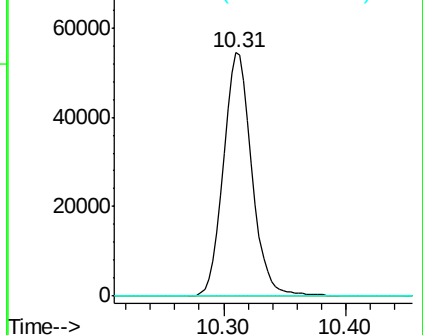
89 0.0 0.0 0.0

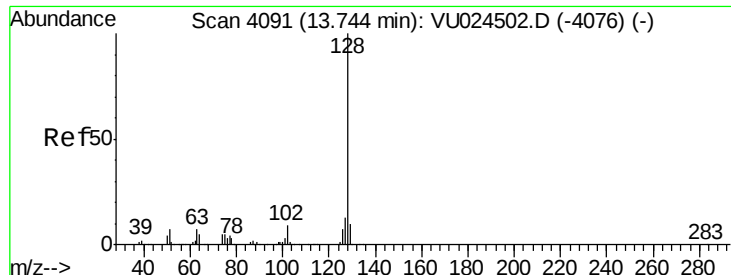


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 0.698 ug/l

RT: 13.77 min Scan# 4100

Delta R.T. 0.03 min

Lab File: VU025115.D

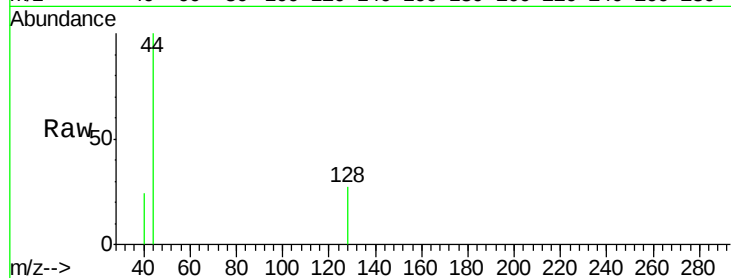
Acq: 01 Jul 2018 03:18

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:	128	Resp:	217
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

