

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025177.D
 Acq On : 03 Jul 2018 06:16
 Operator : MD/SY
 Sample : J3809-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-1-062818

Quant Time: Jul 03 07:08:02 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	199676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	295566	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	276725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	143953	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	152477	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
35) Dibromofluoromethane	4.89	113	115904	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	7.57	98	426642	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	10.31	95	157770	44.41	ug/l	0.00
Spiked Amount			Recovery	=	88.82%	

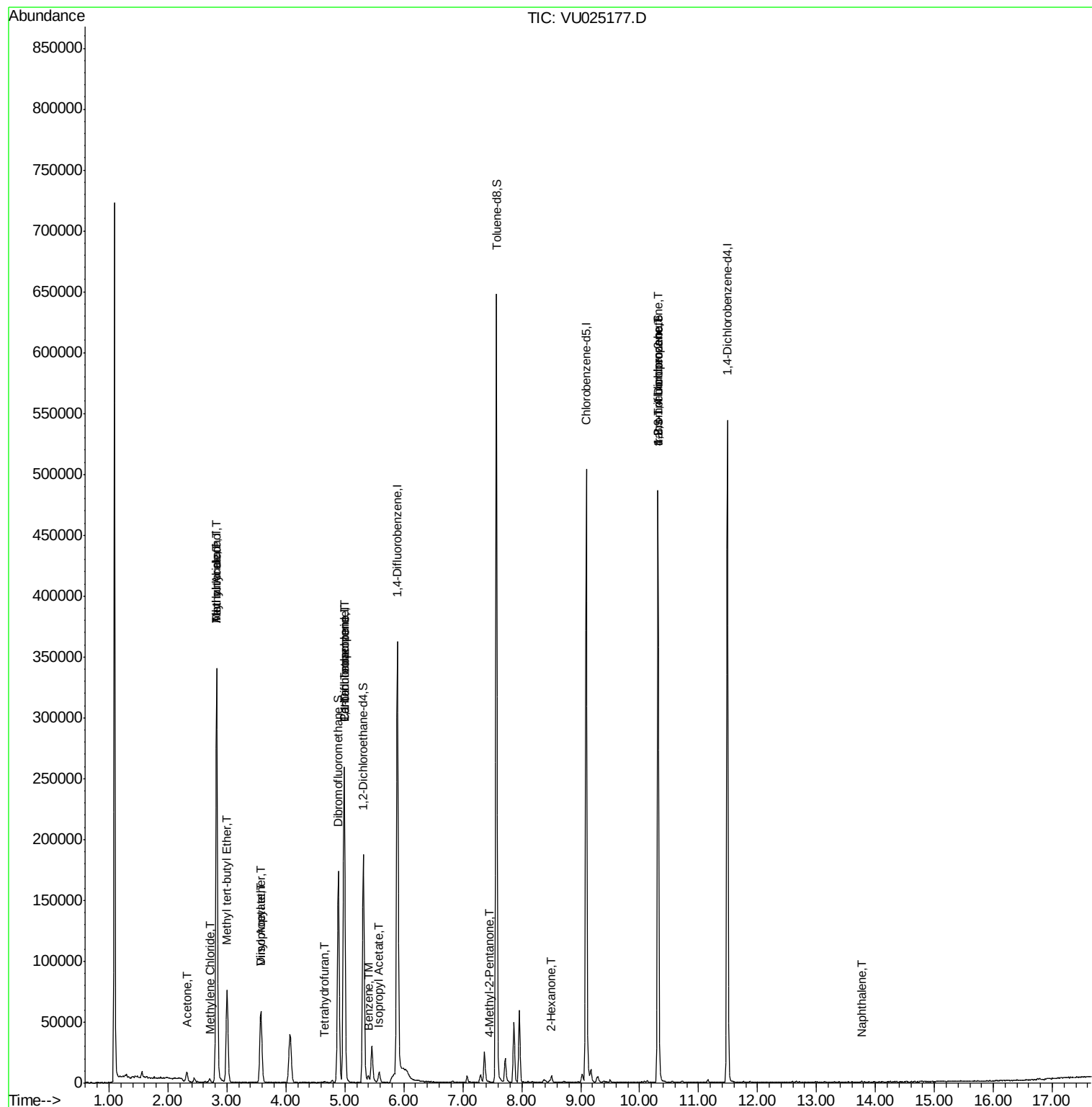
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.65	64	42	Below Cal	#	43
8) Diethyl Ether	2.11	74	63	Below Cal	#	1
11) Tert butyl alcohol	2.82	59	384756	485.312	ug/l	100
14) Allyl chloride	2.82	41	80913	19.167	ug/l #	57
16) Acetone	2.32	43	8380	4.785	ug/l	100
18) Methyl Acetate	2.82	43	58719	15.638	ug/l #	53
19) Methyl tert-butyl Ether	3.00	73	79471	9.299	ug/l	98
20) Methylene Chloride	2.71	84	708	0.258	ug/l	87
22) Diisopropyl ether	3.57	45	61521	7.352	ug/l	97
23) Vinyl Acetate	3.57	43	32344	4.315	ug/l #	73
29) Tetrahydrofuran	4.64	42	361	0.248	ug/l #	43
31) Cyclohexane	4.99	56	4045	Below Cal	#	13
36) 1,1-Dichloropropene	4.99	75	14492	4.173	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19434	5.088	ug/l #	15
40) Benzene	5.40	78	5136	0.519	ug/l	94
43) Isopropyl Acetate	5.59	43	2800	0.428	ug/l #	30
51) 4-Methyl-2-Pentanone	7.45	43	993	0.242	ug/l #	37
59) 2-Hexanone	8.51	43	2111	0.629	ug/l	93
76) 1,2,3-Trichloropropane	10.31	75	83815	26.446	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	83815	61.206	ug/l #	100
95) Naphthalene	13.77	128	887	0.762	ug/l #	72

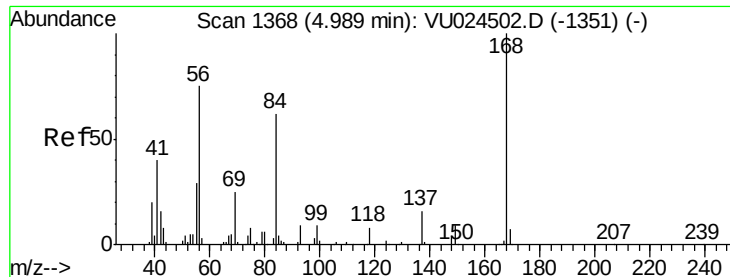
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 13 13:55:26 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

Instrument :

MSVOA_U

ClientSampleId :

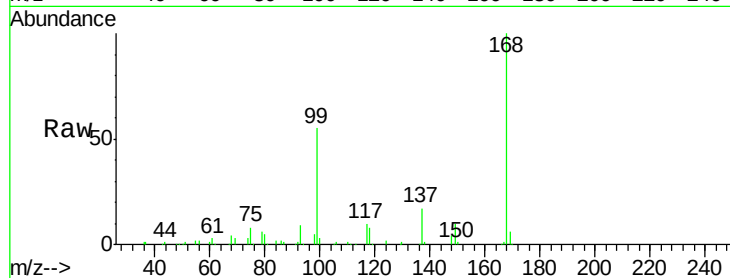
DUP-1-062818

Tot Ion:168 Resp: 199676

Ion Ratio Lower Upper

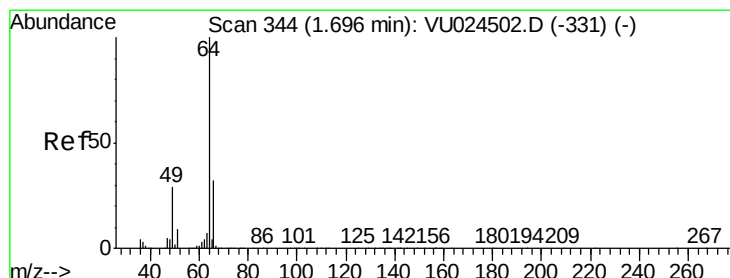
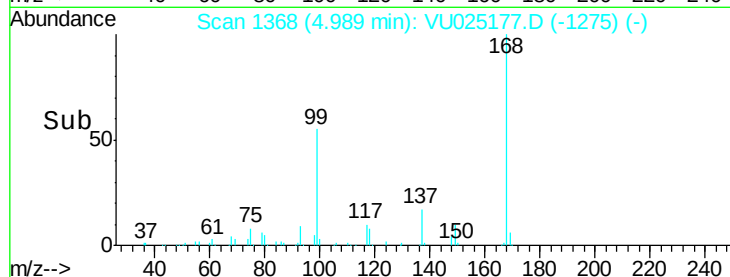
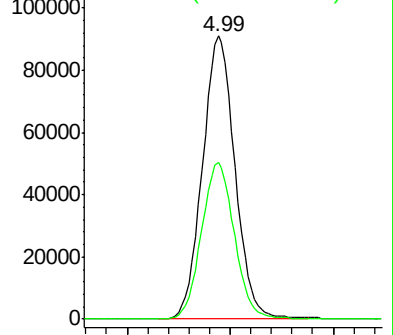
168 100

99 55.4 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 331

Delta R.T. -0.04 min

Lab File: VU025177.D

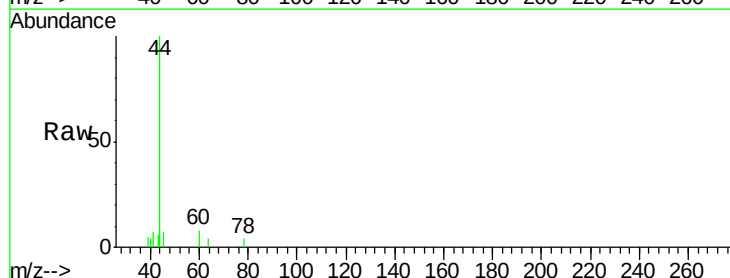
Acq: 03 Jul 2018 06:16

Tgt Ion: 64 Resp: 42

Ion Ratio Lower Upper

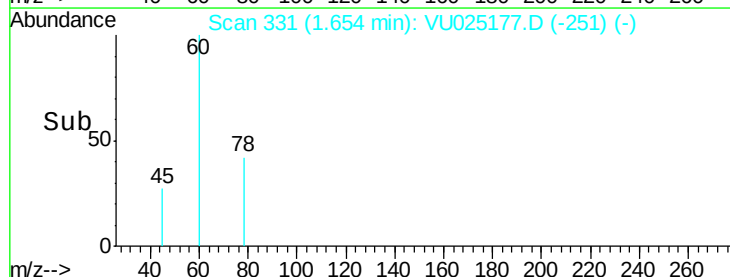
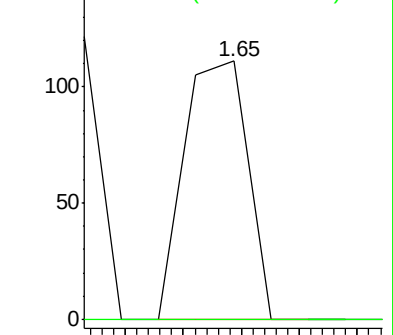
64 100

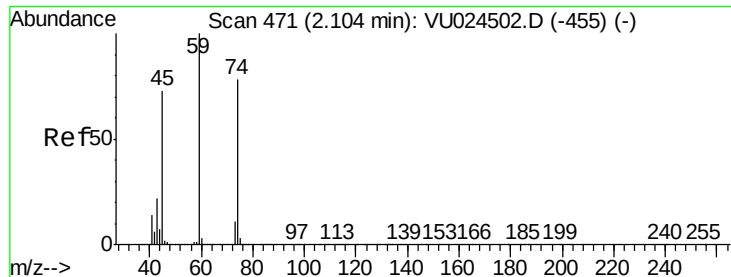
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#8

Diethyl Ether

Concen: Below Cal

RT: 2.11 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

Instrument :

MSVOA_U

ClientSampleId :

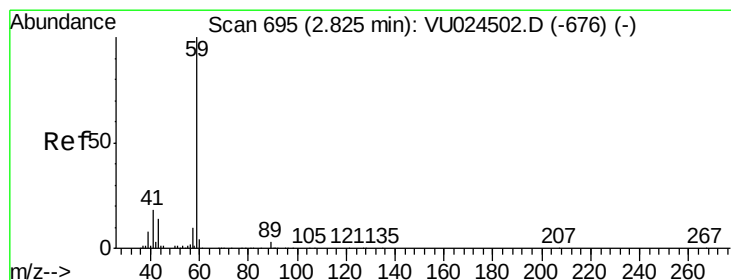
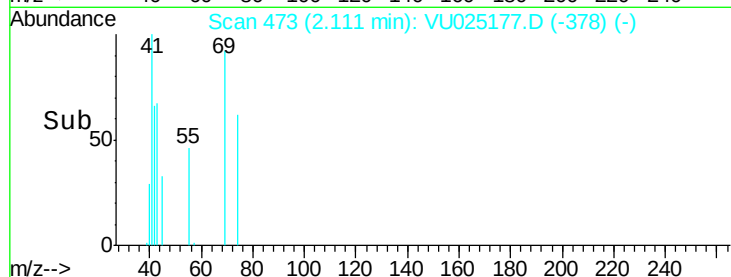
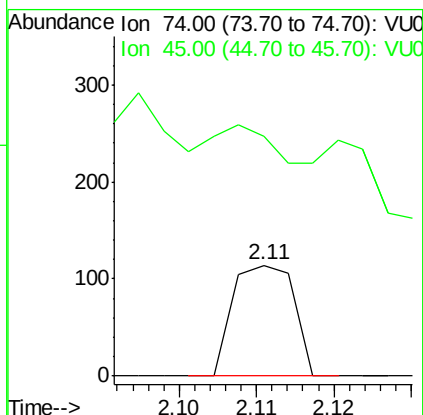
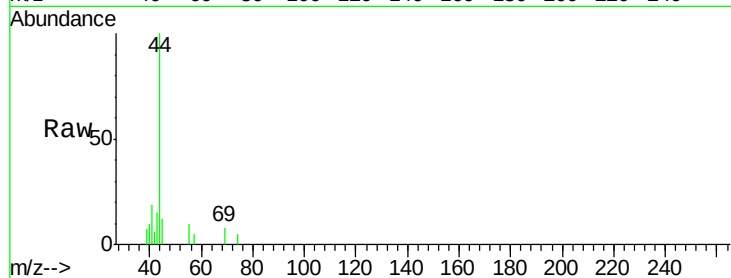
DUP-1-062818

Tot Ion: 74 Resp: 63

Ion Ratio Lower Upper

74 100

45 287.3 55.0 165.0#



#11

Tert butyl alcohol

Concen: 485.312 ug/l

RT: 2.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VU025177.D

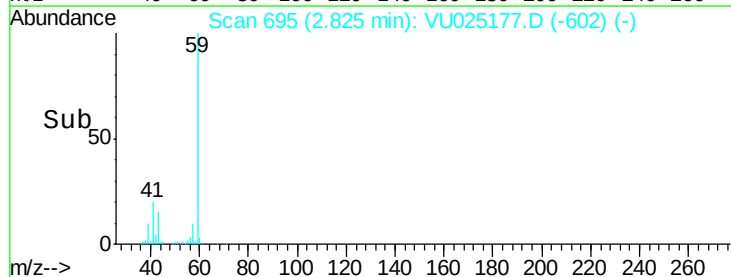
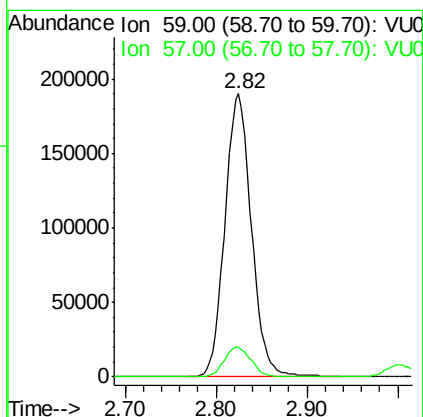
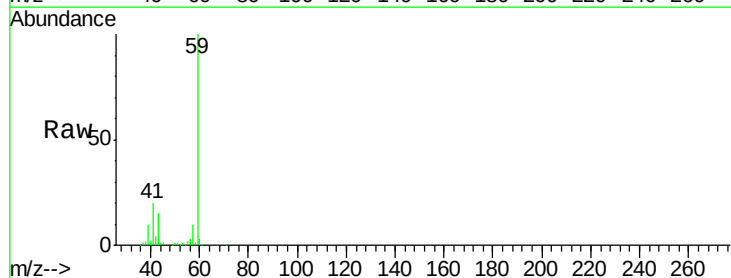
Acq: 03 Jul 2018 06:16

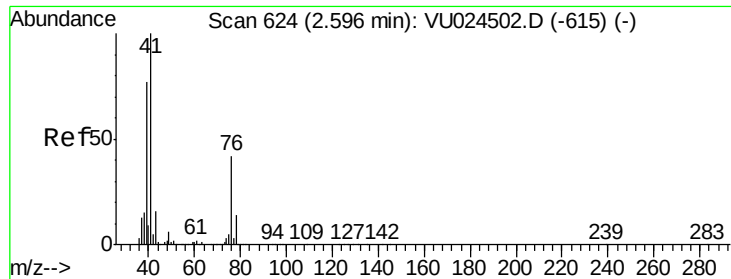
Tgt Ion: 59 Resp: 384756

Ion Ratio Lower Upper

59 100

57 10.7 8.5 12.7

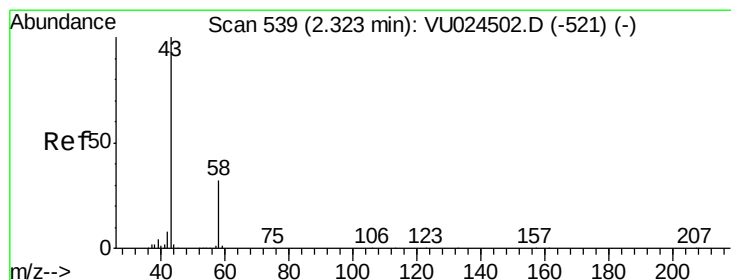
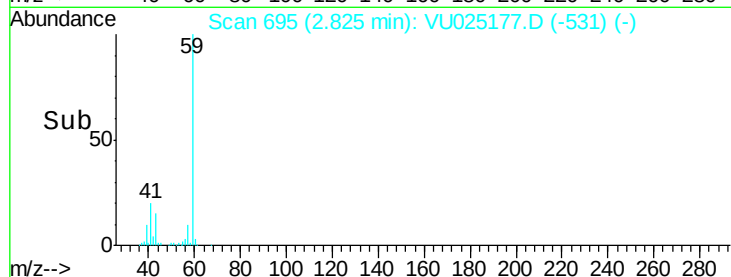
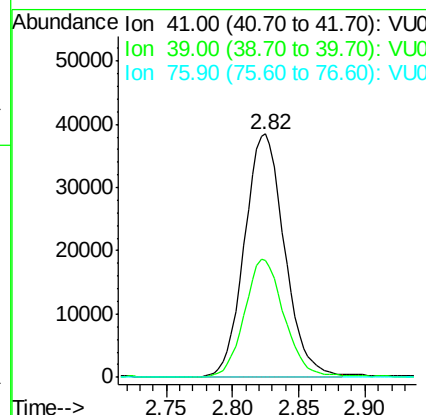
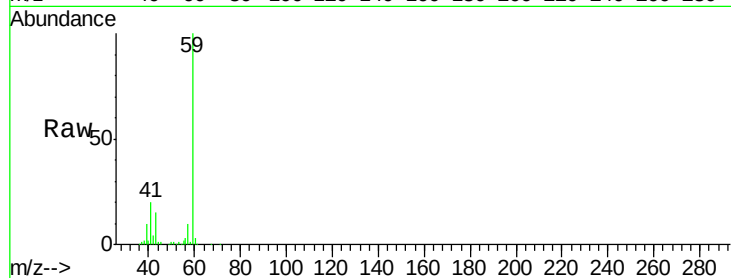




#14
Allvl chloride
Concen: 19.167 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.23 min
Lab File: VU025177.D
Acq: 03 Jul 2018 06:16

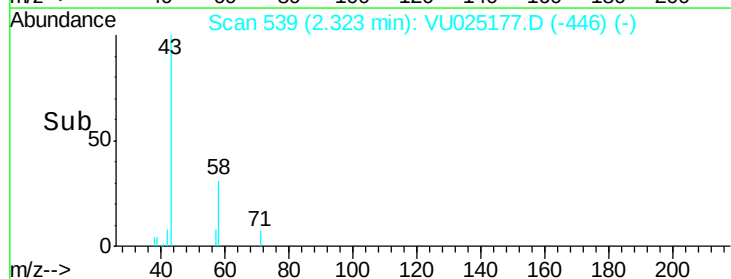
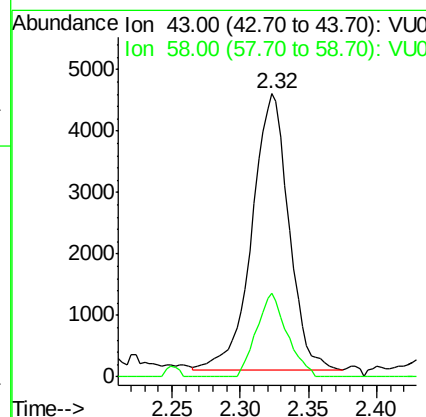
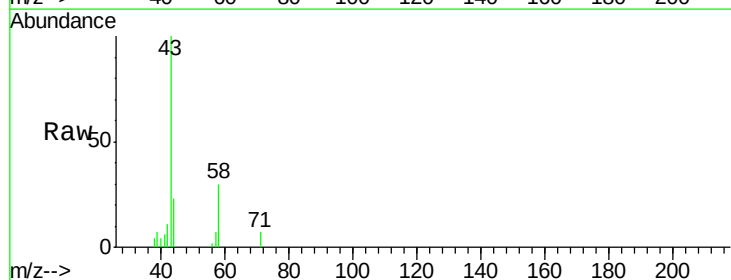
Instrument :
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DUP-1-062818

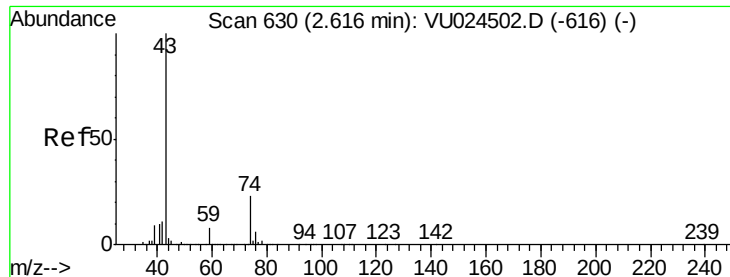
Tot Ion: 41 Resp: 80913
Ion Ratio Lower Upper
41 100
39 47.9 61.6 92.4#
76 0.0 29.7 44.5#



#16
Acetone
Concen: 4.785 ug/l
RT: 2.32 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU025177.D
Acq: 03 Jul 2018 06:16

Tgt Ion: 43 Resp: 8380
Ion Ratio Lower Upper
43 100
58 30.5 24.4 36.6

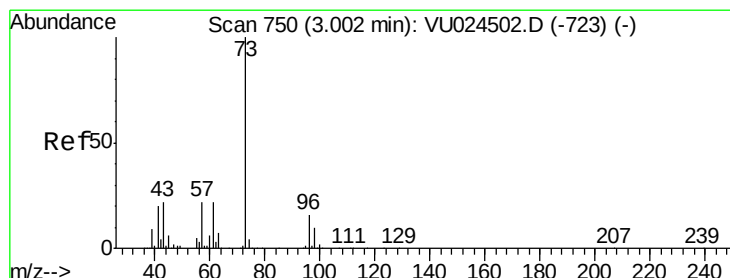
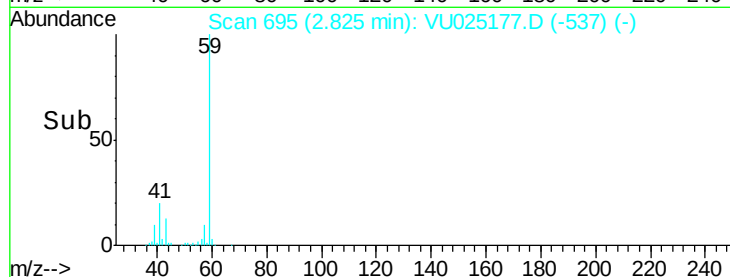
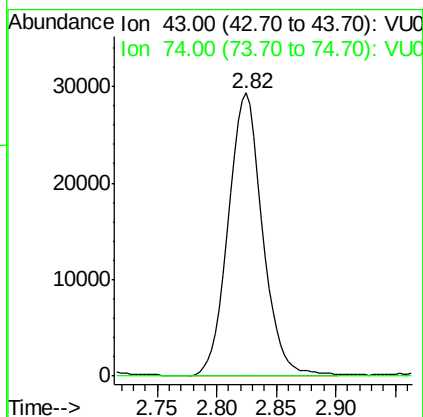
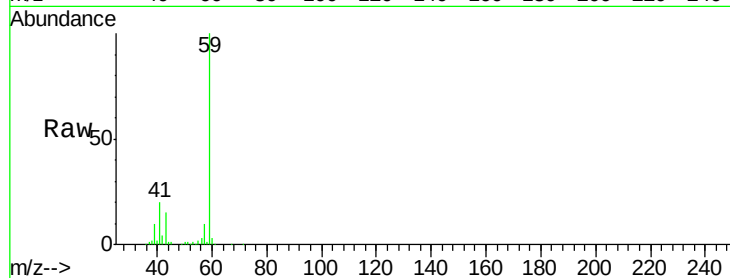




#18
Methyl Acetate
Concen: 15.638 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.21 min
Lab File: VU025177.D
Acq: 03 Jul 2018 06:16

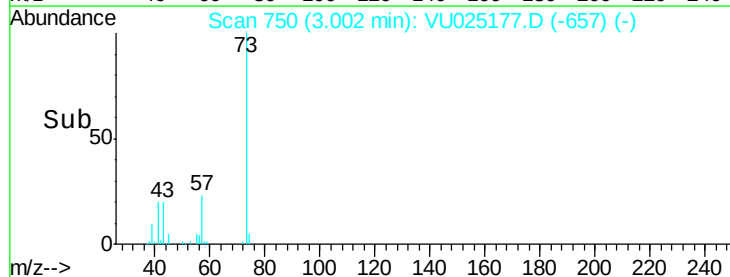
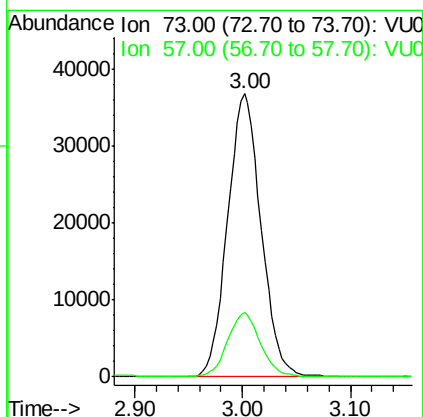
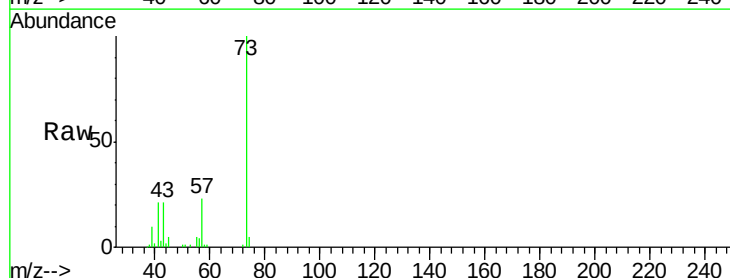
Instrument :
MSVOA_U
ClientSampleId :
DUP-1-062818

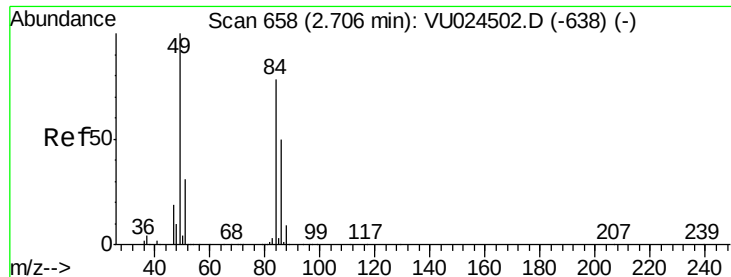
Tot Ion: 43 Resp: 58719
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#19
Methyl tert-butyl Ether
Concen: 9.299 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025177.D
Acq: 03 Jul 2018 06:16

Tgt Ion: 73 Resp: 79471
Ion Ratio Lower Upper
73 100
57 22.6 18.8 28.2

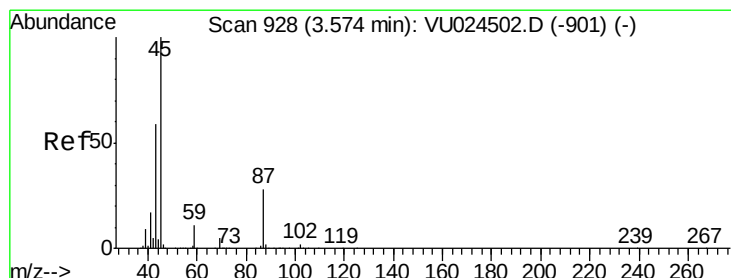
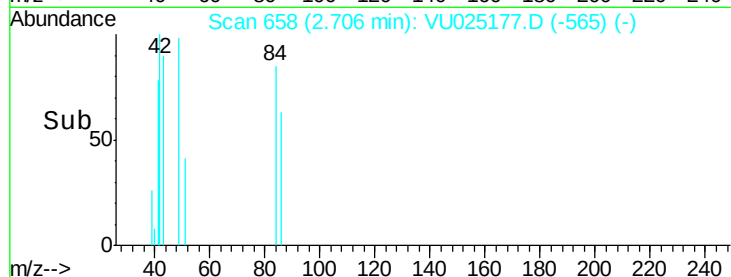
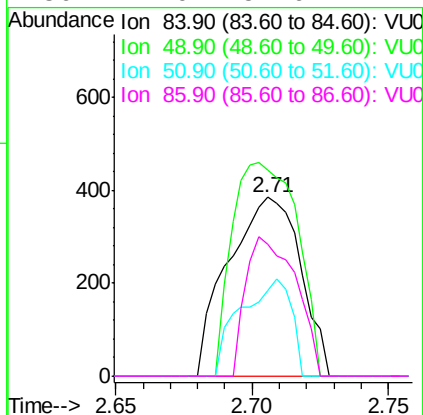
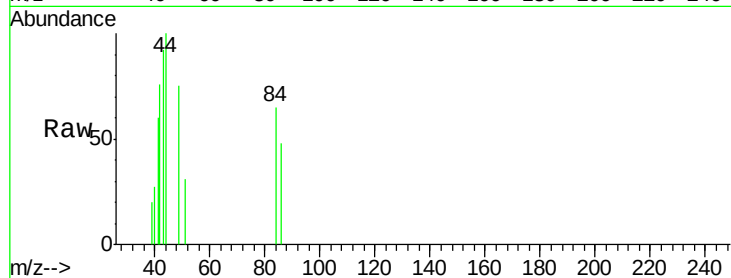




#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU025177.D
Acq: 03 Jul 2018 06:16

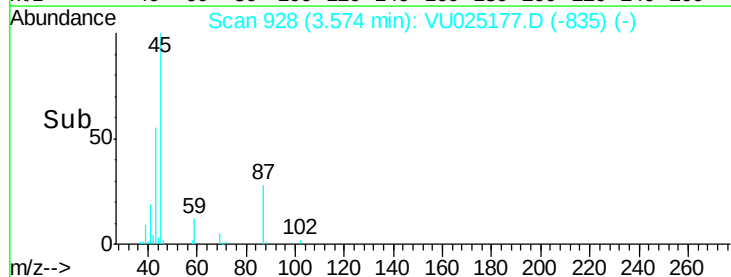
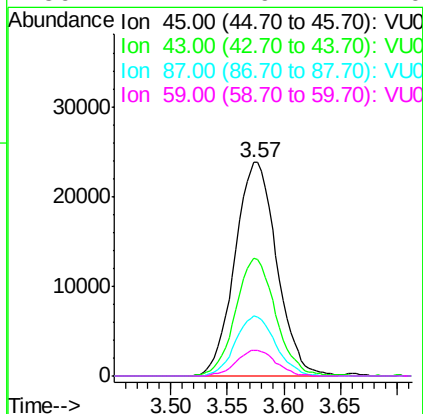
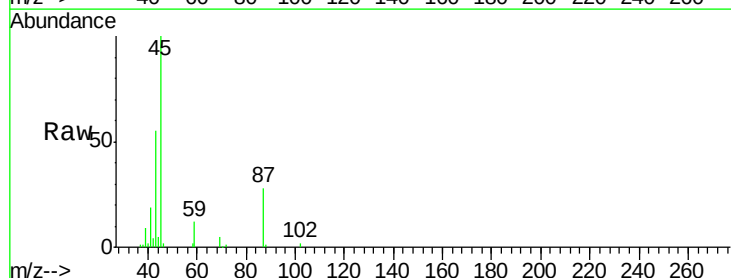
Instrument :
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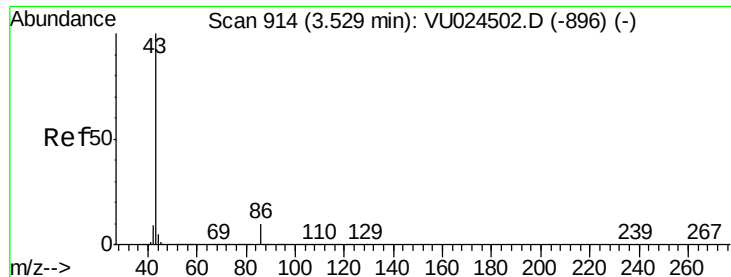
Tot Ion: 84 Resp: 708
Ion Ratio Lower Upper
84 100
49 115.1 103.8 155.8
51 47.8 32.0 48.0
86 74.0 51.6 77.4



#22
Diisopropyl ether
Concen: 7.352 ug/l
RT: 3.57 min Scan# 928
Delta R.T. -0.00 min
Lab File: VU025177.D
Acq: 03 Jul 2018 06:16

Tgt Ion: 45 Resp: 61521
Ion Ratio Lower Upper
45 100
43 54.9 45.8 68.6
87 28.1 20.6 31.0
59 12.2 9.4 14.0





#23

Vinyl Acetate

Concen: 4.315 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.04 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

Instrument :

MSVOA_U

ClientSampleId :

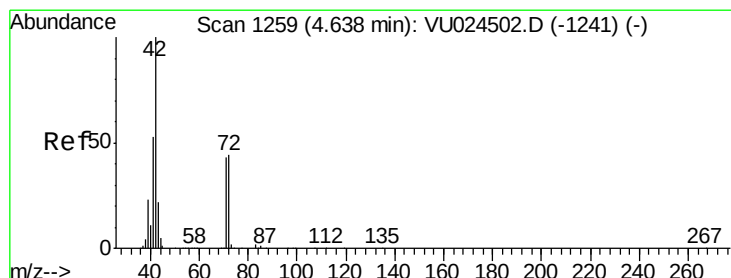
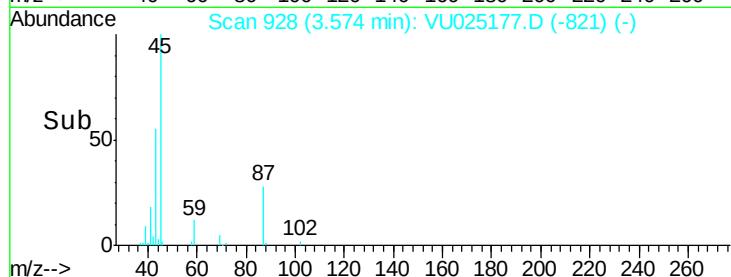
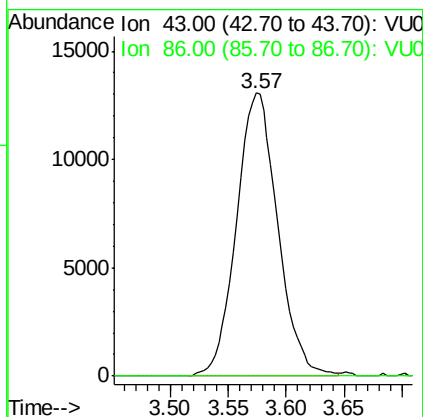
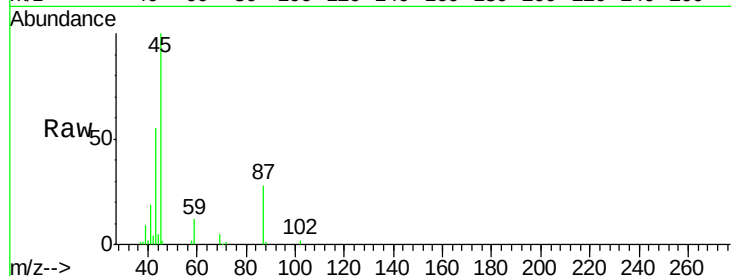
DUP-1-062818

Tot Ion: 43 Resp: 32344

Ion Ratio Lower Upper

43 100

86 0.0 7.8 11.8#



#29

Tetrahydrofuran

Concen: 0.248 ug/l

RT: 4.64 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

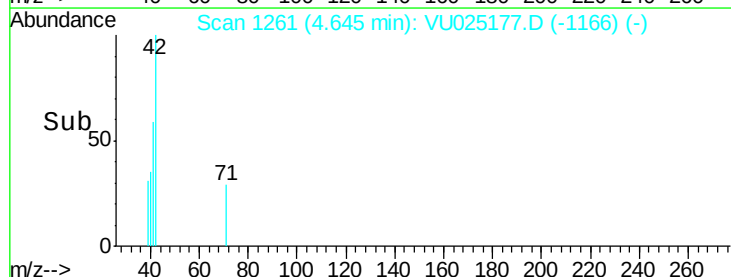
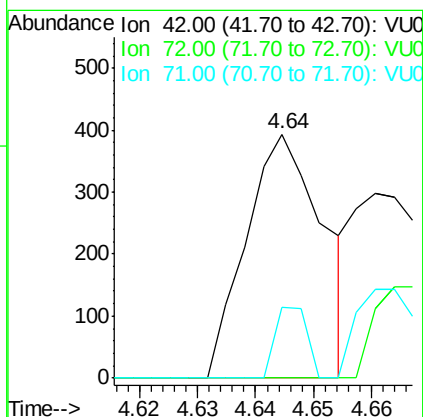
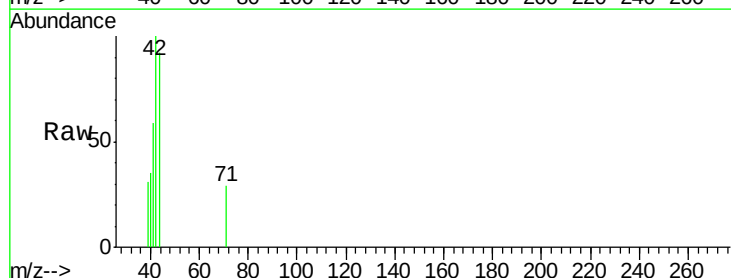
Tgt Ion: 42 Resp: 361

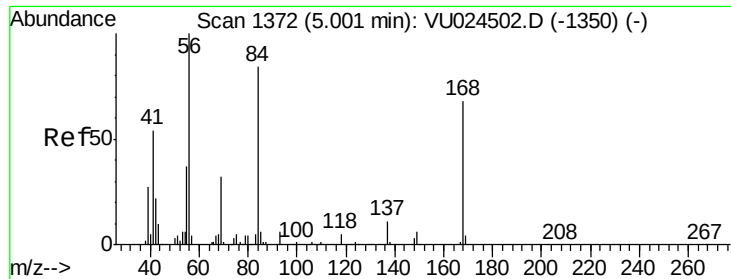
Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 12.2 32.2 48.4#

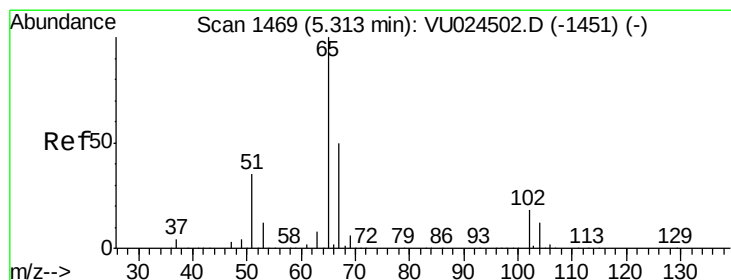
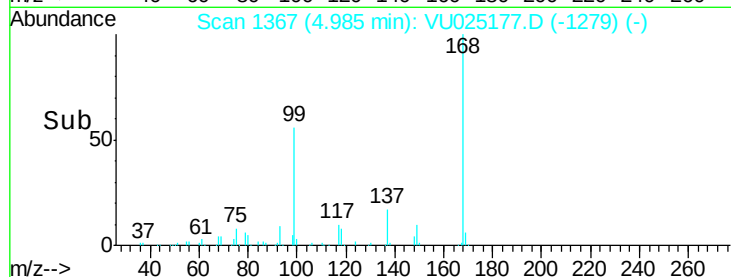
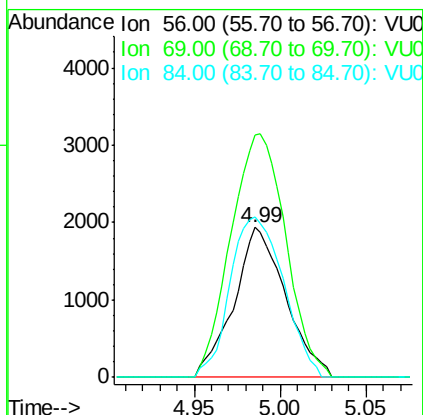
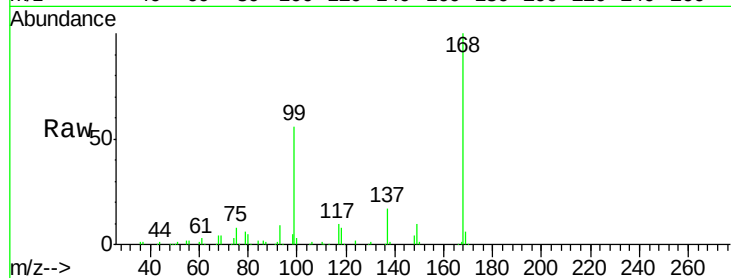




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025177.D
Acq: 03 Jul 2018 06:16

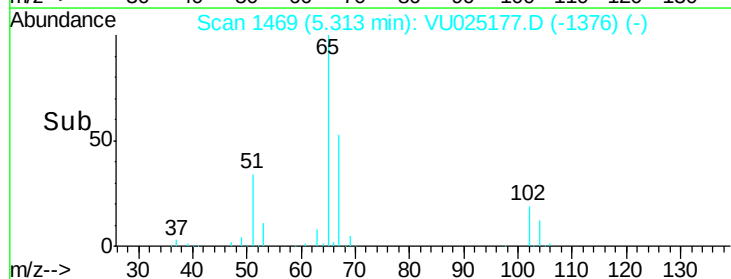
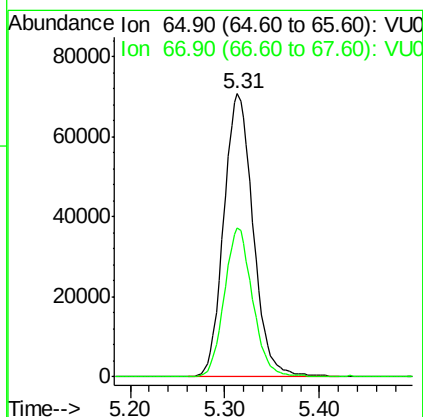
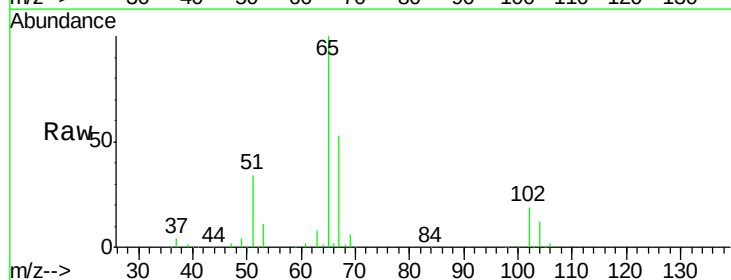
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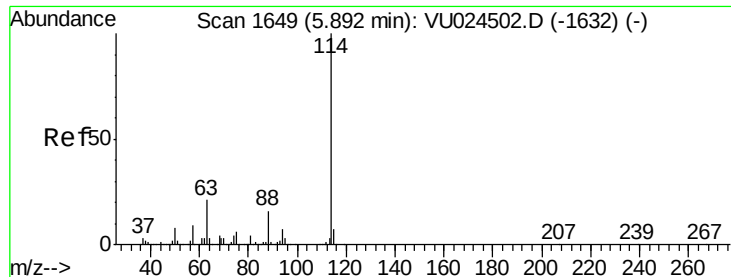
Tot Ion: 56 Resp: 4045
Ion Ratio Lower Upper
56 100
69 162.2 24.8 37.2#
84 107.2 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 46.776 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU025177.D
Acq: 03 Jul 2018 06:16

Tgt Ion: 65 Resp: 152477
Ion Ratio Lower Upper
65 100
67 50.7 0.0 107.0

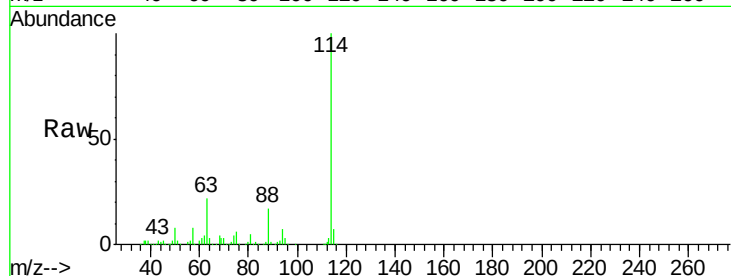




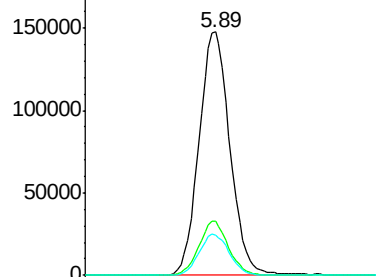
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025177.D
 Acq: 03 Jul 2018 06:16

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-1-062818

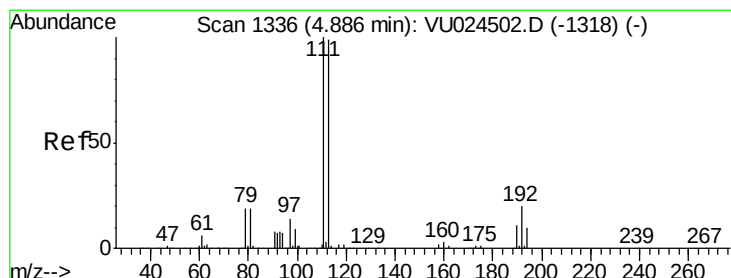
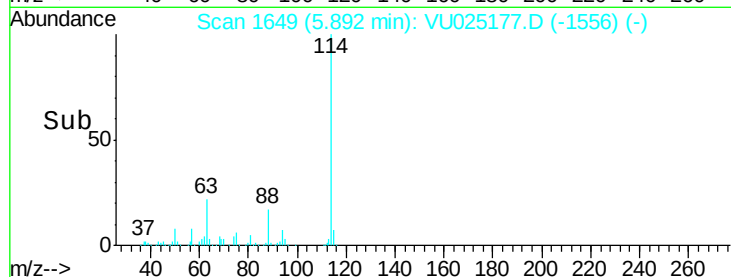
Tot Ion:114	Resp:	295566
Ion Ratio	Lower	Upper
114 100		
63 22.1	0.0	45.4
88 16.7	0.0	31.0



Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

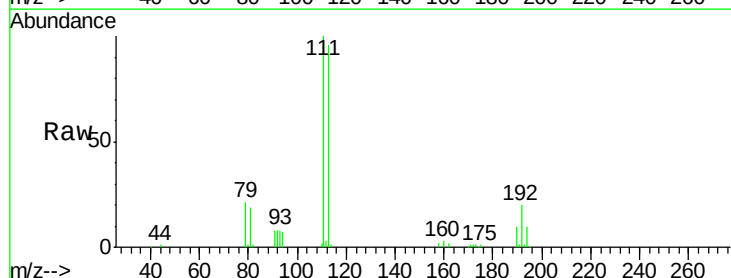


Time-->

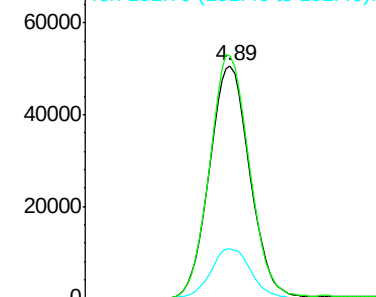


#35
 Dibromofluoromethane
 Concen: 47.250 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025177.D
 Acq: 03 Jul 2018 06:16

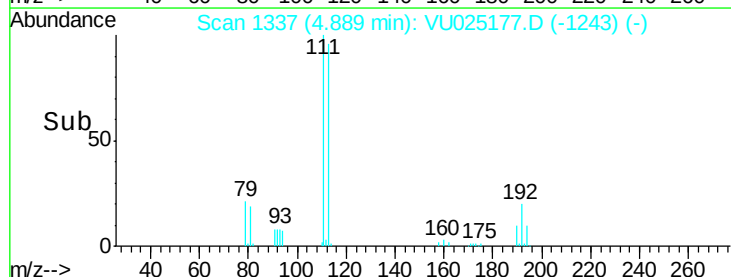
Tgt Ion:113	Resp:	115904
Ion Ratio	Lower	Upper
113 100		
111 103.2	82.2	123.4
192 21.1	16.2	24.4

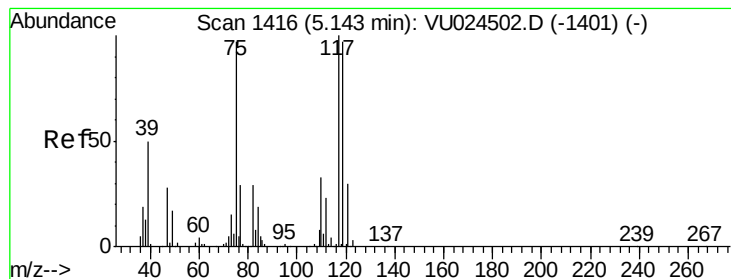


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->





#36

1,1-Dichloropropene

Concen: 4.173 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

Instrument :

MSVOA_U

ClientSampleId :

DUP-1-062818

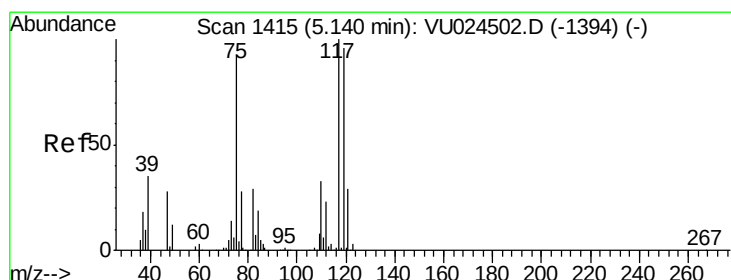
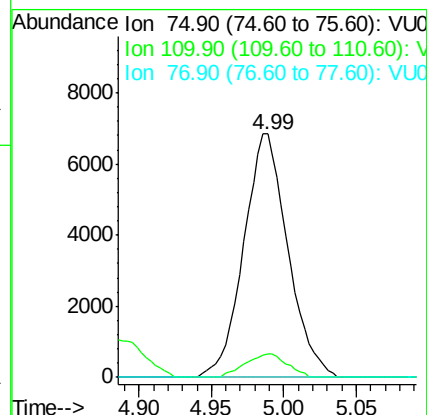
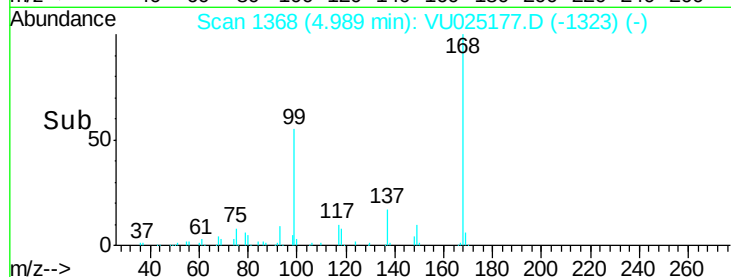
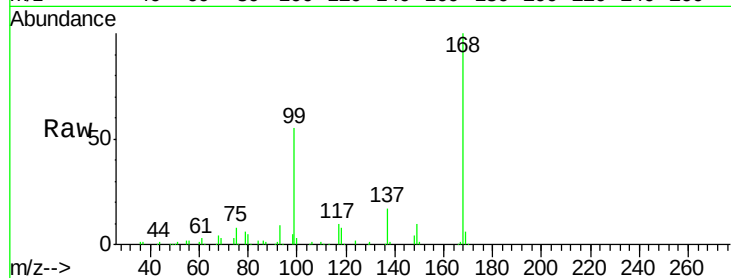
Tot Ion: 75 Resp: 14492

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.088 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

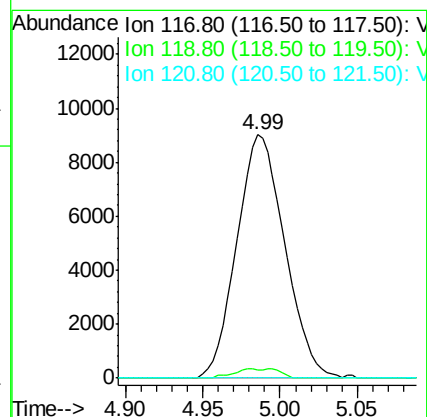
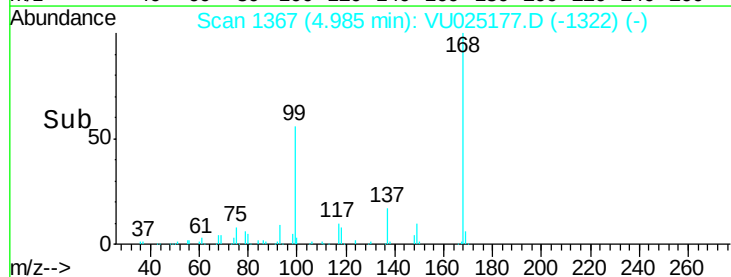
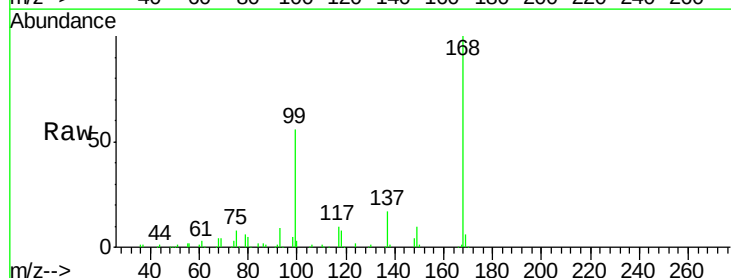
Tgt Ion: 117 Resp: 19434

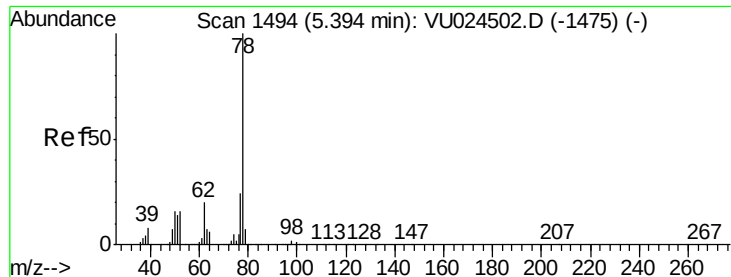
Ion Ratio Lower Upper

117 100

119 3.4 76.1 114.1#

121 0.0 23.7 35.5#





#40

Benzene

Concen: 0.519 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

Instrument :

MSVOA_U

ClientSampleId :

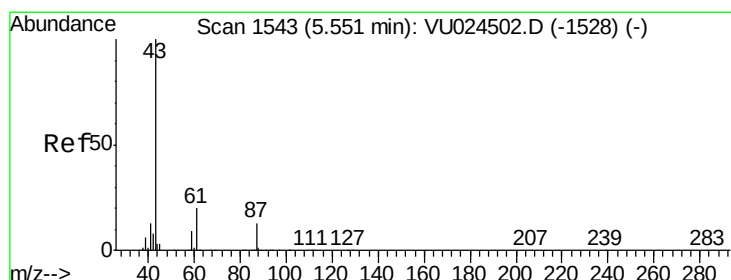
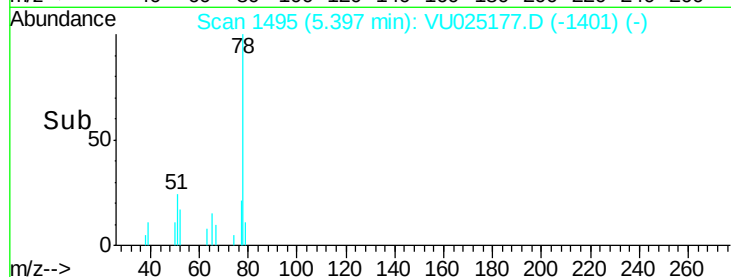
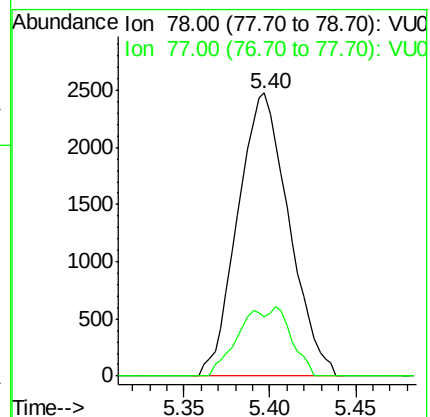
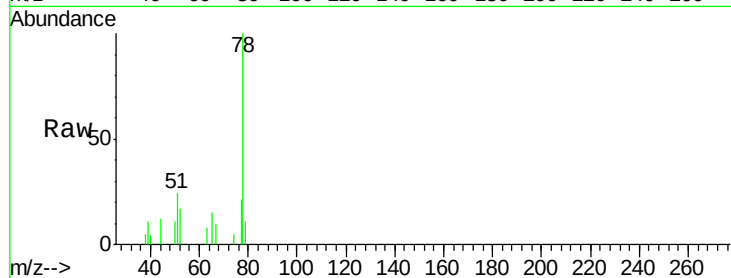
DUP-1-062818

Tot Ion: 78 Resp: 5136

Ion Ratio Lower Upper

78 100

77 20.8 19.2 28.8



#43

Isopropyl Acetate

Concen: 0.428 ug/l

RT: 5.59 min Scan# 1554

Delta R.T. 0.04 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

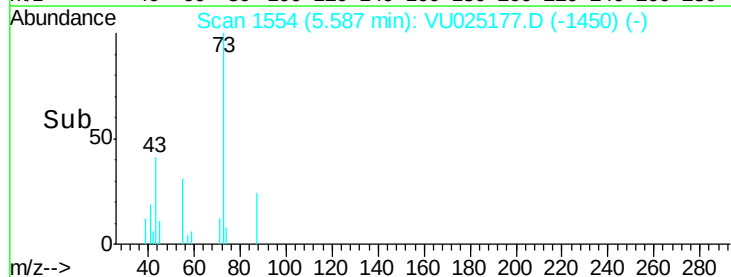
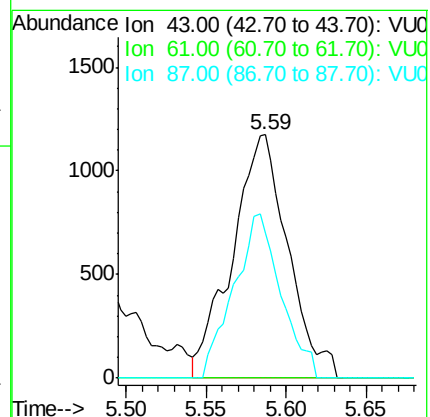
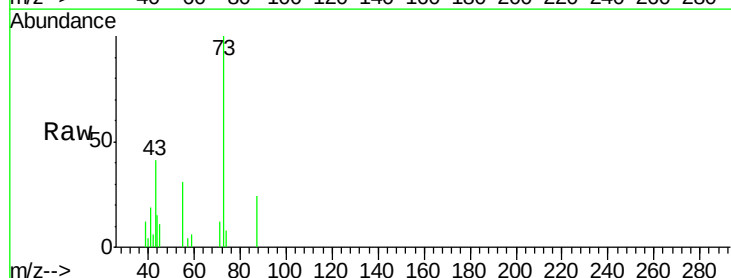
Tgt Ion: 43 Resp: 2800

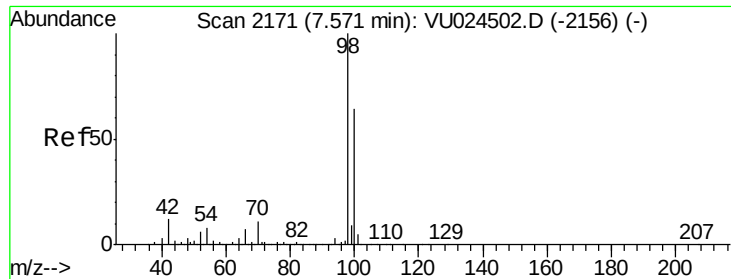
Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

87 56.8 10.0 15.0#

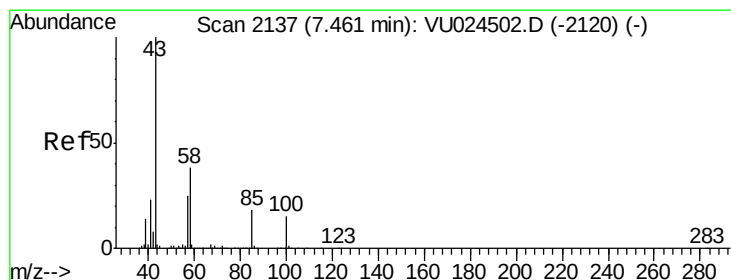
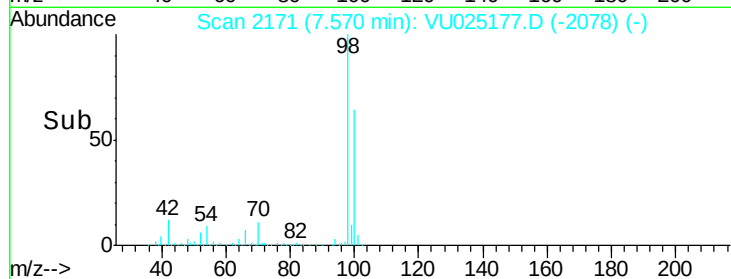
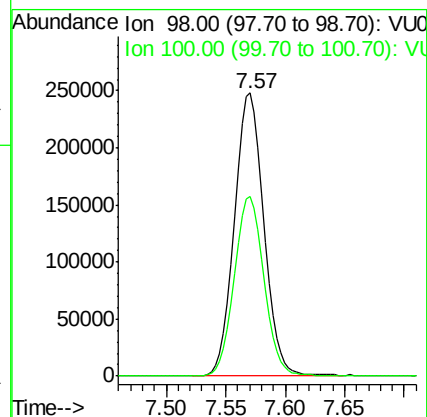
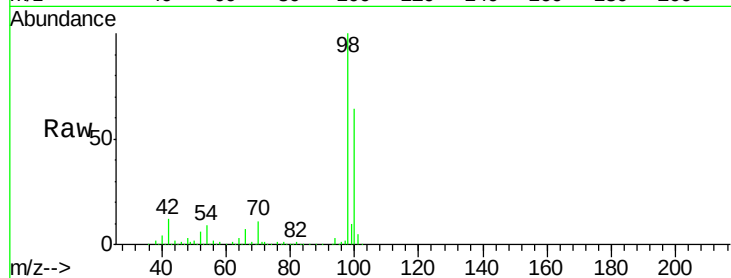




#50
Toluene-d8
Concen: 47.683 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU025177.D
Acq: 03 Jul 2018 06:16

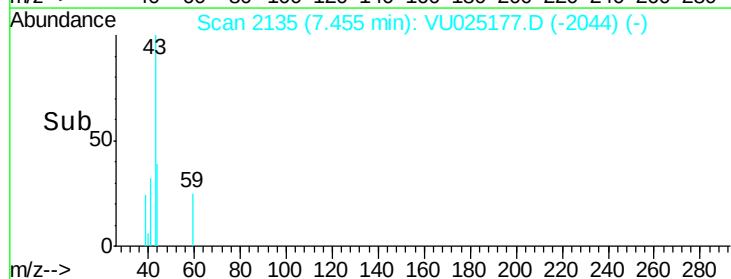
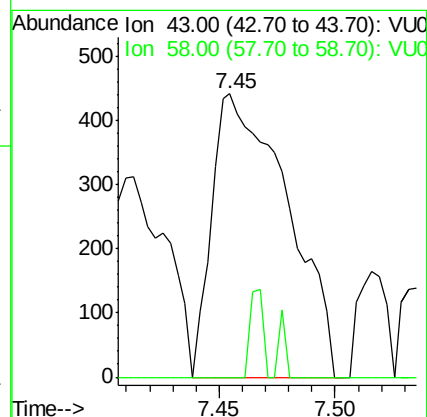
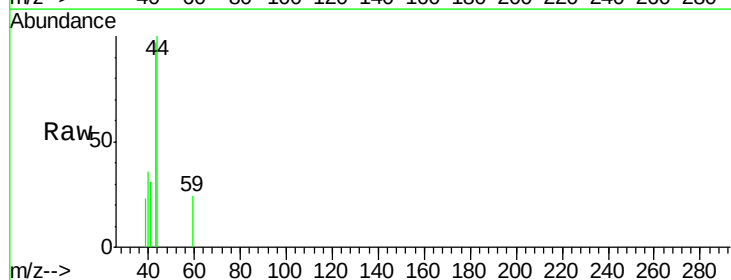
Instrument :
MSVOA_U
ClientSampleId :
DUP-1-062818

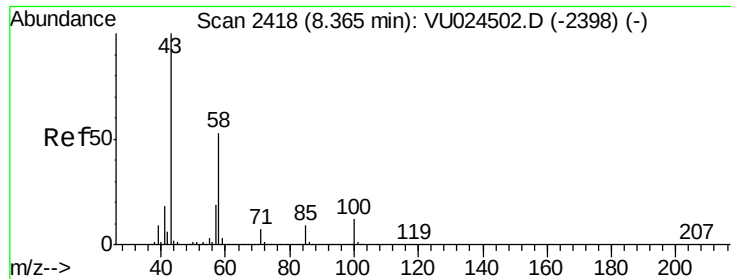
Tot Ion: 98 Resp: 426642
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.242 ug/l
RT: 7.45 min Scan# 2135
Delta R.T. -0.01 min
Lab File: VU025177.D
Acq: 03 Jul 2018 06:16

Tgt Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
58 0.0 30.0 45.0#

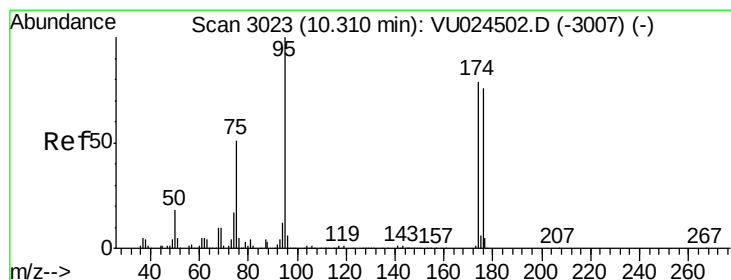
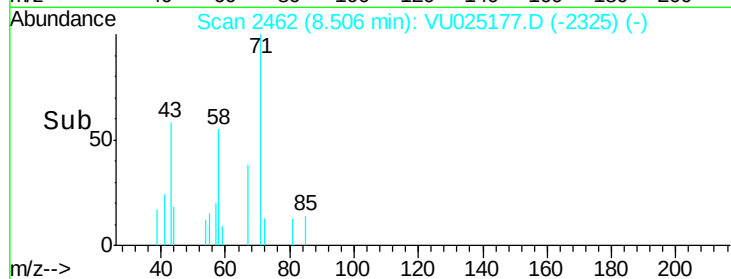
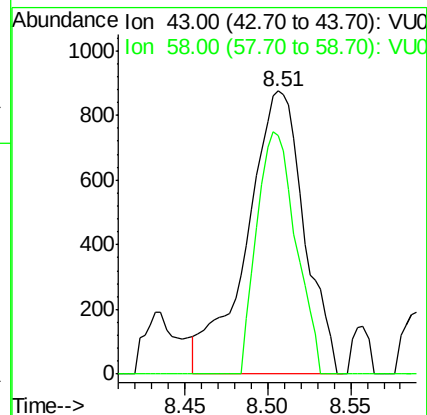
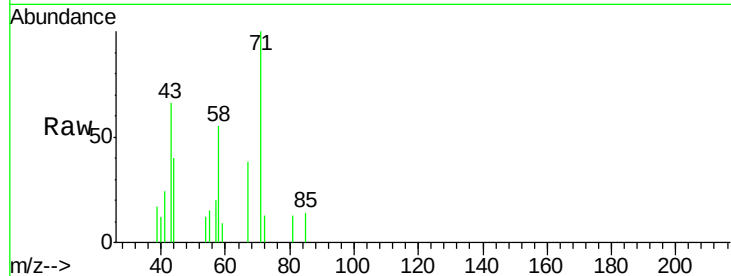




#59
2-Hexanone
Concen: 0.629 ug/l
RT: 8.51 min Scan# 2462
Delta R.T. 0.14 min
Lab File: VU025177.D
Acq: 03 Jul 2018 06:16

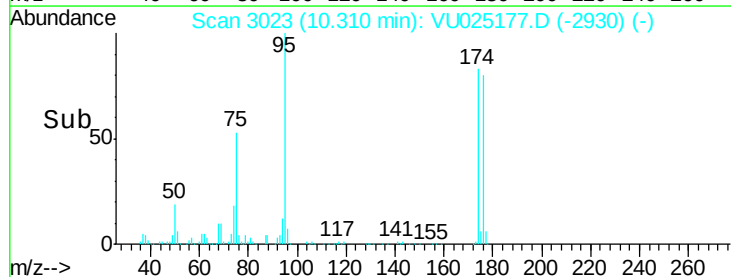
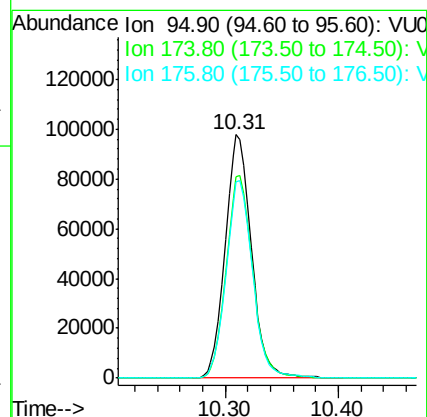
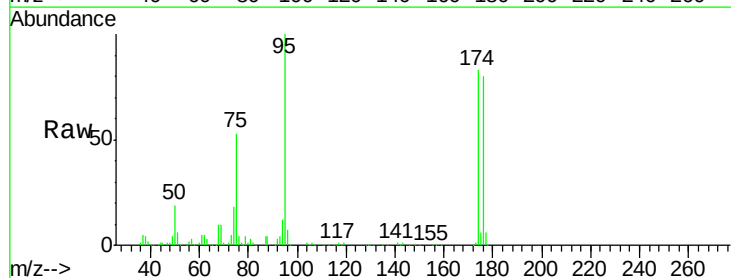
Instrument :
MSVOA_U
ClientSampleId :
DUP-1-062818

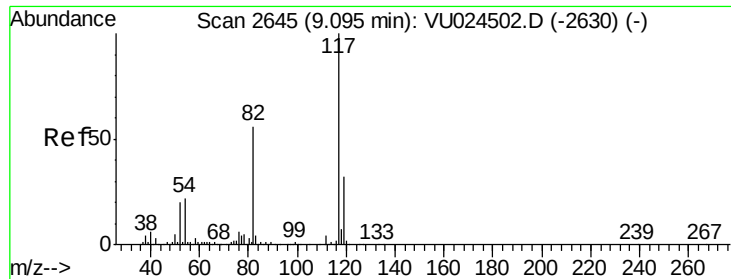
Tot Ion: 43 Resp: 2111
Ion Ratio Lower Upper
43 100
58 57.9 26.4 79.0



#62
4-Bromofluorobenzene
Concen: 44.411 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025177.D
Acq: 03 Jul 2018 06:16

Tgt Ion: 95 Resp: 157770
Ion Ratio Lower Upper
95 100
174 84.1 0.0 165.8
176 81.9 0.0 159.4

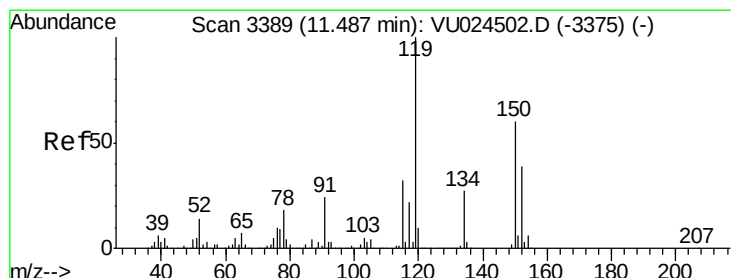
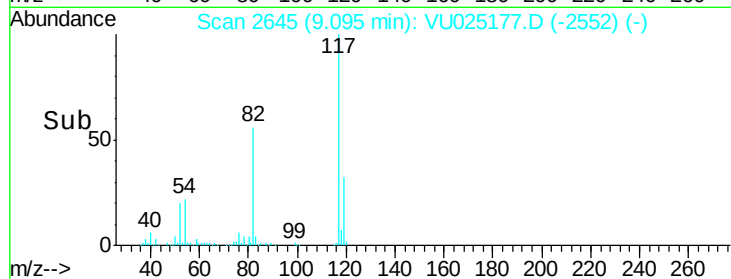
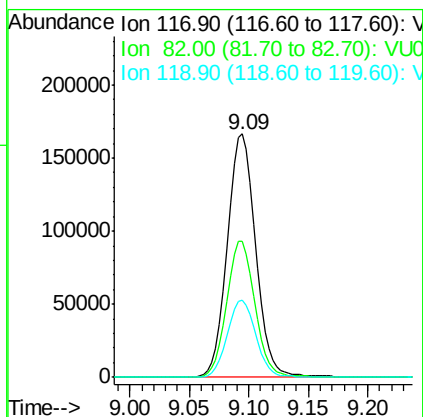
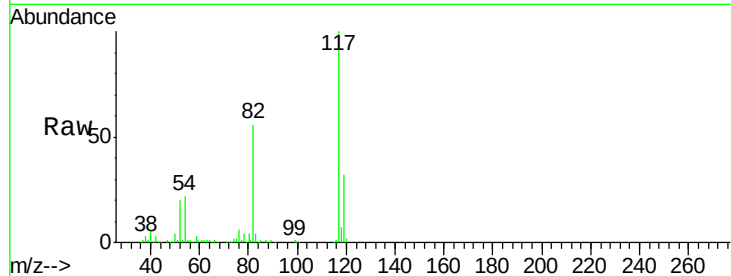




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025177.D
Acq: 03 Jul 2018 06:16

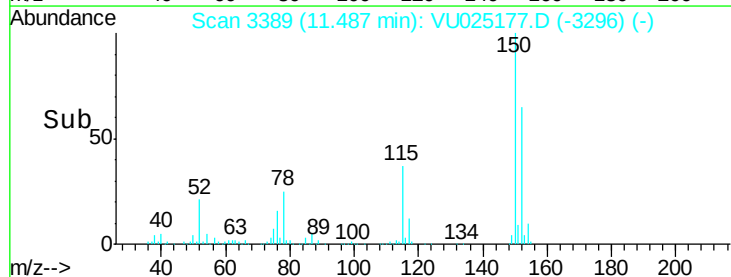
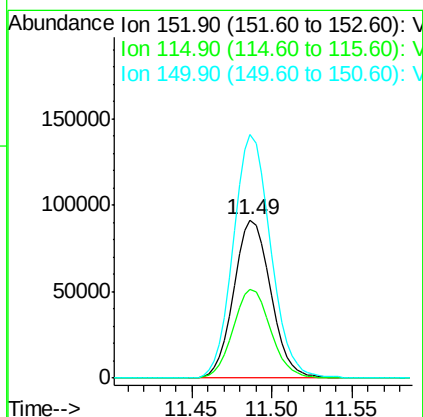
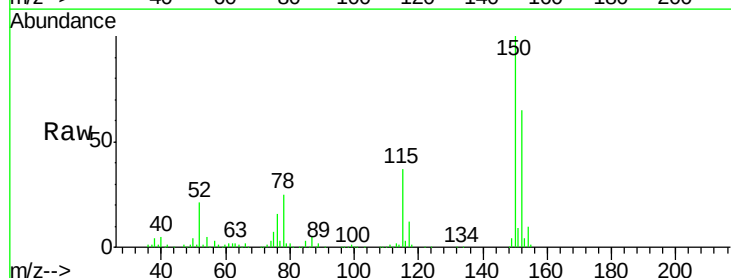
Instrument :
MSVOA_U
ClientSampleId :
DUP-1-062818

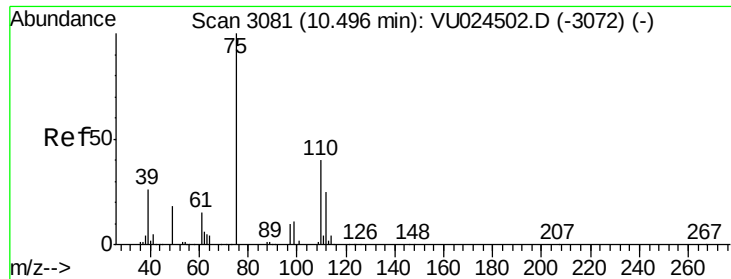
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.3	66.5
119	31.9	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025177.D
Acq: 03 Jul 2018 06:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	43.0	129.0
150	155.8	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 26.446 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

Instrument :

MSVOA_U

ClientSampleId :

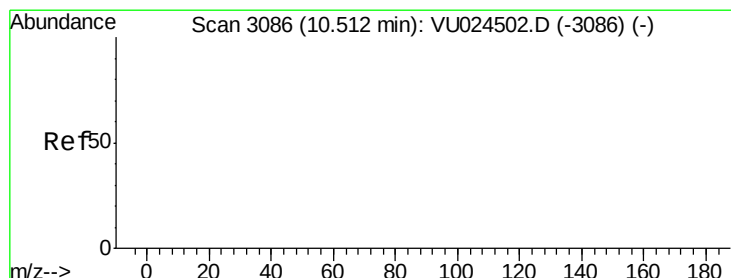
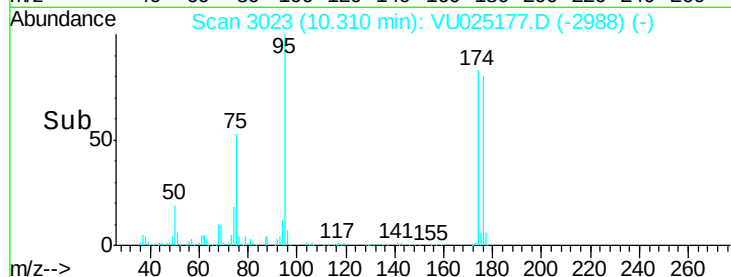
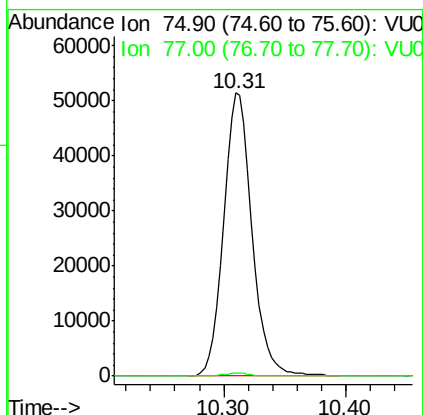
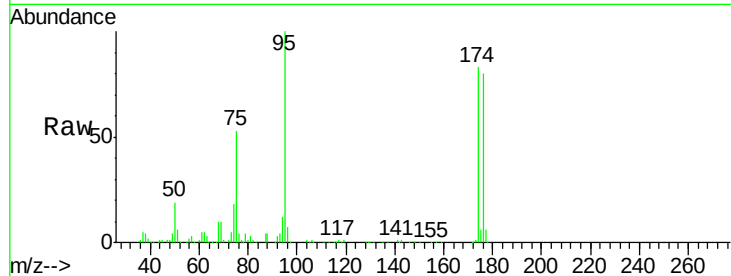
DUP-1-062818

Tot Ion: 75 Resp: 83815

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.206 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

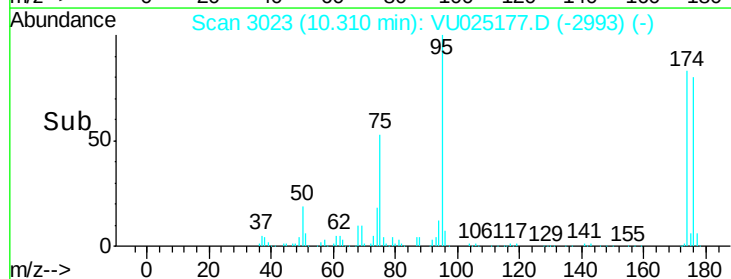
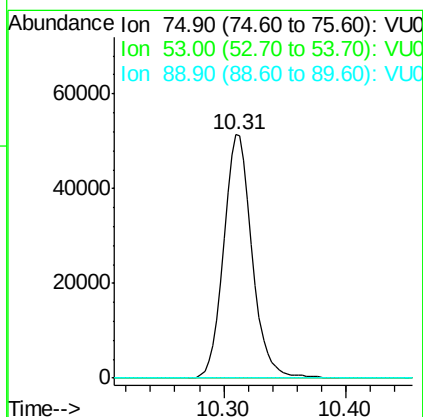
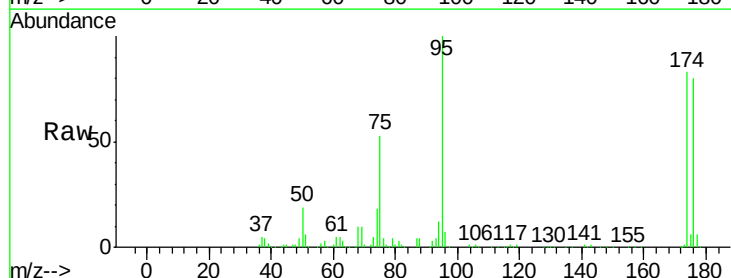
Tgt Ion: 75 Resp: 83815

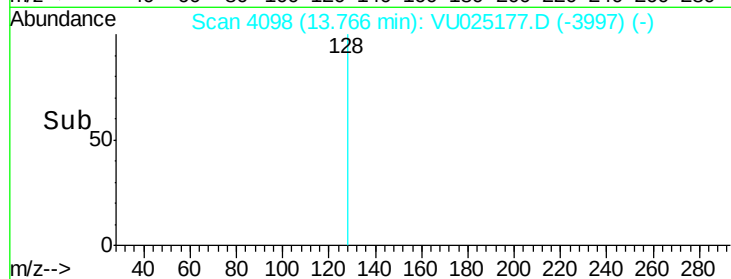
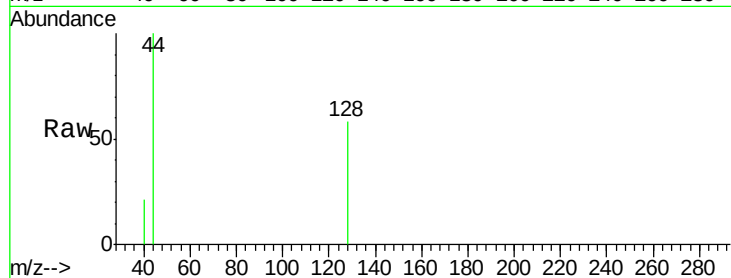
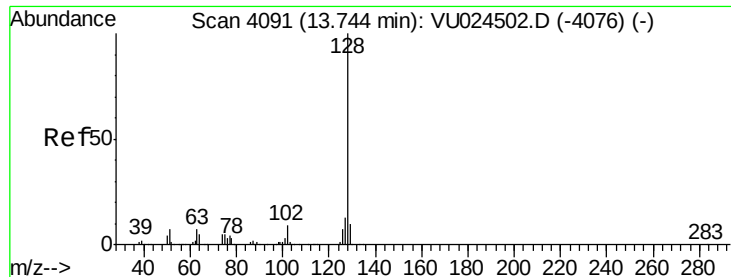
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.762 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

Lab File: VU025177.D

Acq: 03 Jul 2018 06:16

Instrument :

MSVOA_U

ClientSampleId :

DUP-1-062818

Tot Ion:128 Resp: 887

Ion Ratio Lower Upper

128 100

127 2.1 10.6 16.0#

129 0.0 8.6 12.8#

