

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU025005.D
 Acq On : 28 Jun 2018 07:24
 Operator : MD/SY
 Sample : J3671-13ME 10X
 Misc : 5.95g/5mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0478-180621ME

Quant Time: Jun 28 07:52:04 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

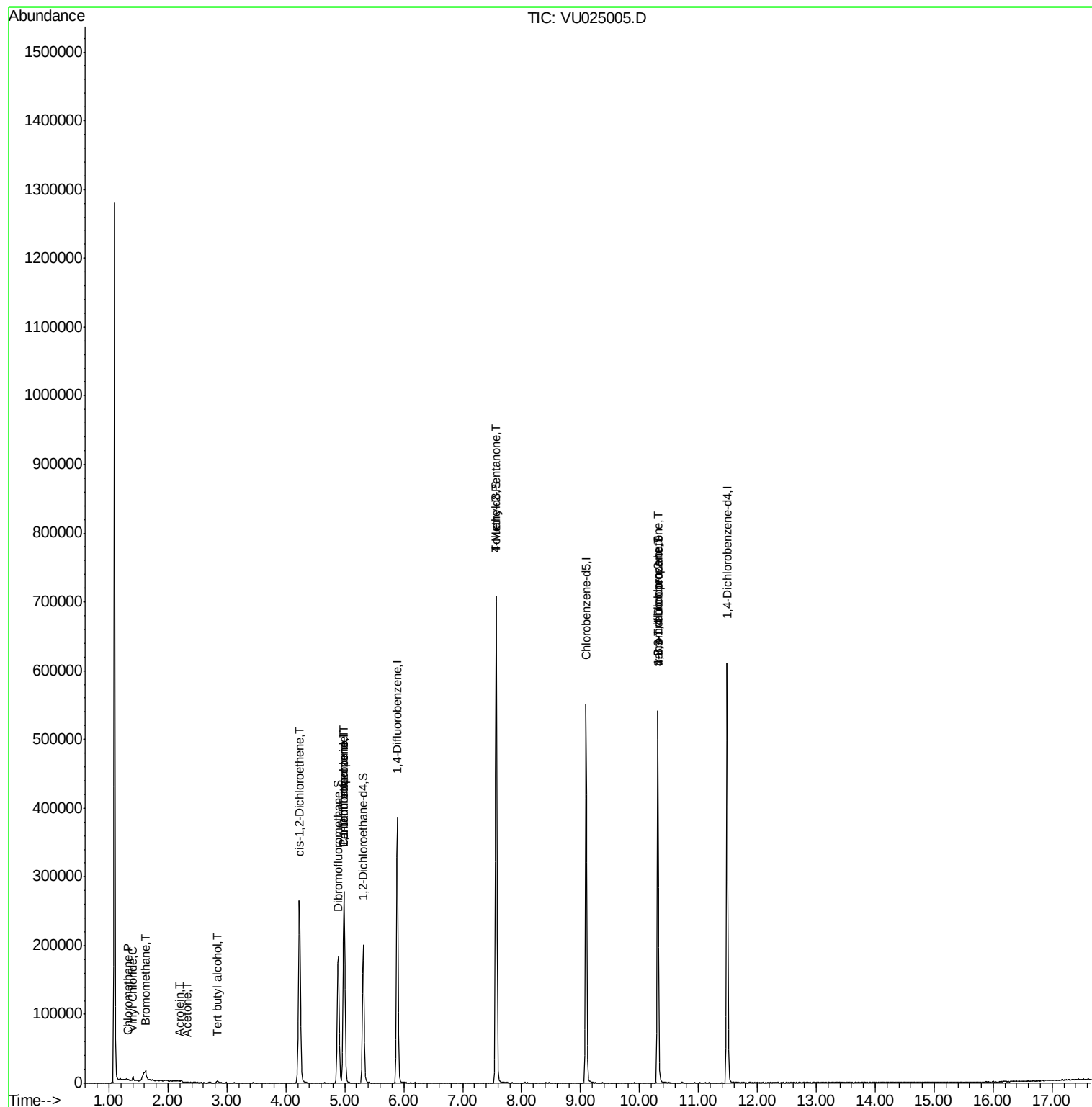
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	212604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	322020	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	298173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159358	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	161441	46.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.02%	
35) Dibromofluoromethane	4.89	113	125213	46.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.70%	
50) Toluene-d8	7.57	98	469780	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	10.31	95	172678	44.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.22%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	677	0.249 ug/l	#	78
4) Vinyl Chloride	1.40	62	3522	1.256 ug/l		91
5) Bromomethane	1.63	94	423	0.312 ug/l		83
6) Chloroethane	1.61	64	78	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	1658	1.964 ug/l	#	72
13) Acrolein	2.19	56	93	0.210 ug/l	#	82
16) Acetone	2.33	43	868	0.465 ug/l	#	78
27) cis-1,2-Dichloroethene	4.23	96	148952	48.593 ug/l		87
31) Cyclohexane	4.99	56	4260	Below Cal	#	2
36) 1,1-Dichloropropene	4.99	75	15580	4.117 ug/l	#	52
38) Carbon Tetrachloride	4.99	117	19955	4.796 ug/l	#	17
51) 4-Methyl-2-Pentanone	7.56	43	2112	0.472 ug/l	#	1
76) 1,2,3-Trichloropropane	10.31	75	90521	25.801 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	10.31	75	90521	59.713 ug/l	#	100

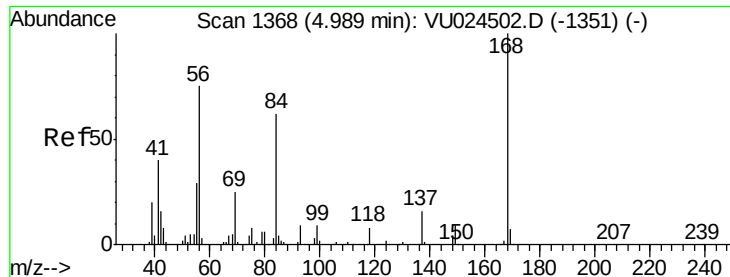
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025005.D

Acq: 28 Jun 2018 07:24

Instrument :

MSVOA_U

ClientSampleId :

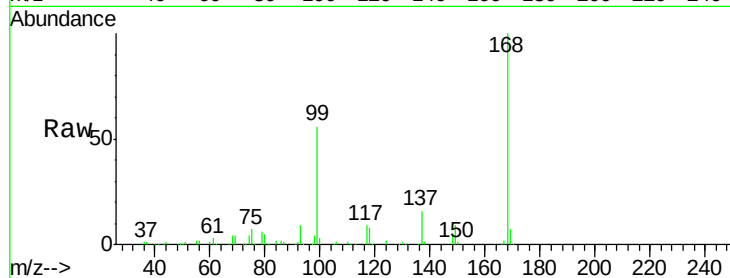
DUP-0478-180621ME

Tgt Ion:168 Resp: 212604

Ion Ratio Lower Upper

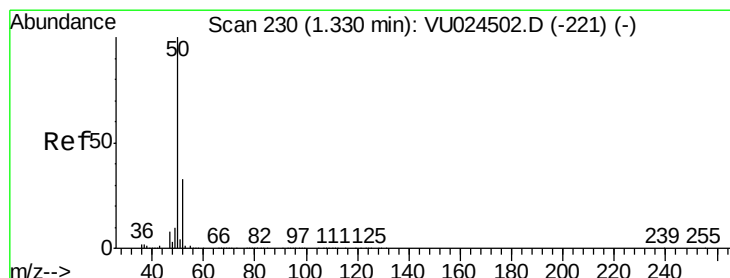
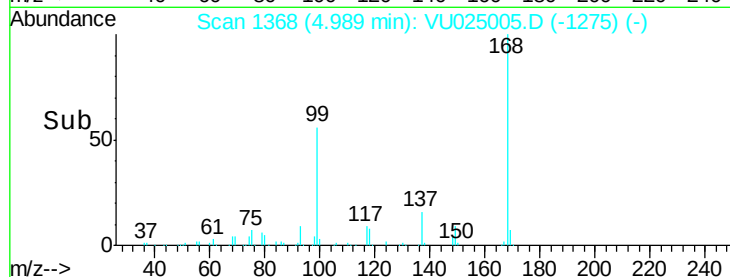
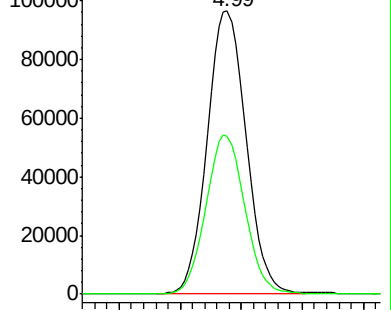
168 100

99 55.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.249 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025005.D

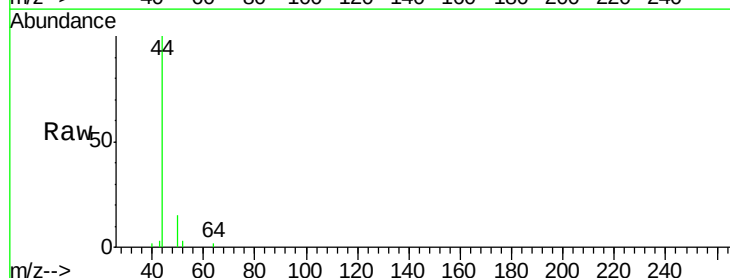
Acq: 28 Jun 2018 07:24

Tgt Ion: 50 Resp: 677

Ion Ratio Lower Upper

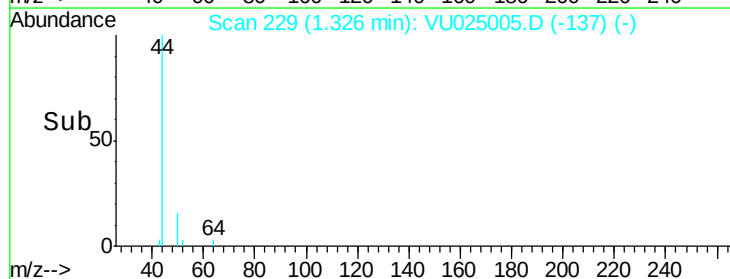
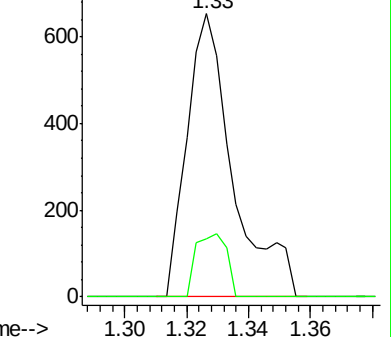
50 100

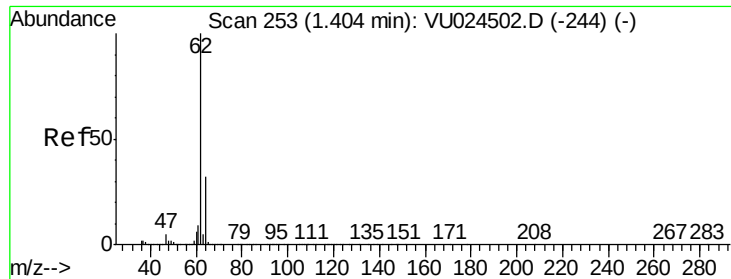
52 20.7 26.4 39.6#



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

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





#4

Vinyl Chloride

Concen: 1.256 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025005.D

Acq: 28 Jun 2018 07:24

Instrument :

MSVOA_U

ClientSampleId :

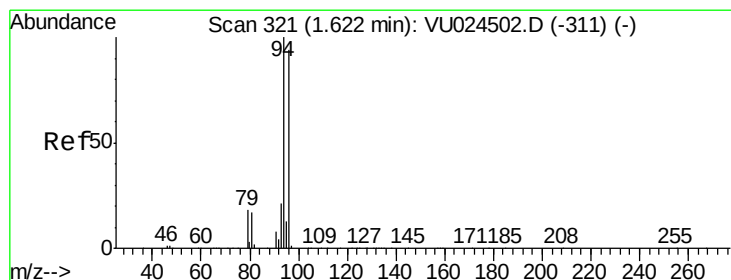
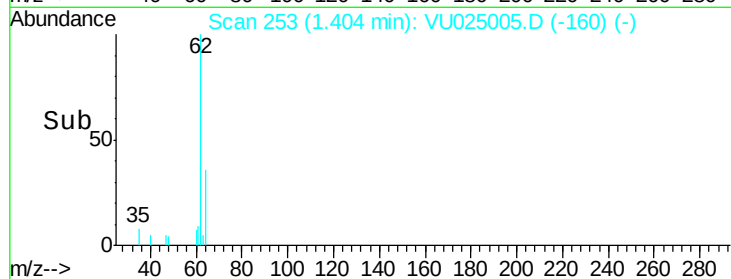
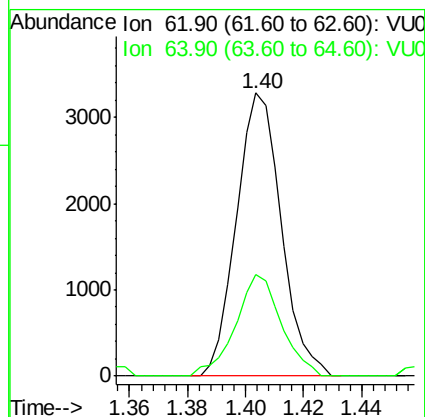
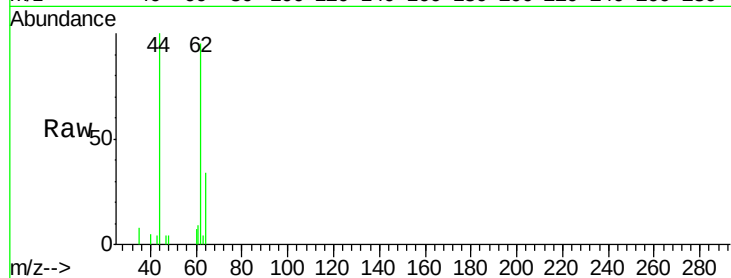
DUP-0478-180621ME

Tgt Ion: 62 Resp: 3522

Ion Ratio Lower Upper

62 100

64 35.7 24.8 37.2



#5

Bromomethane

Concen: 0.312 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU025005.D

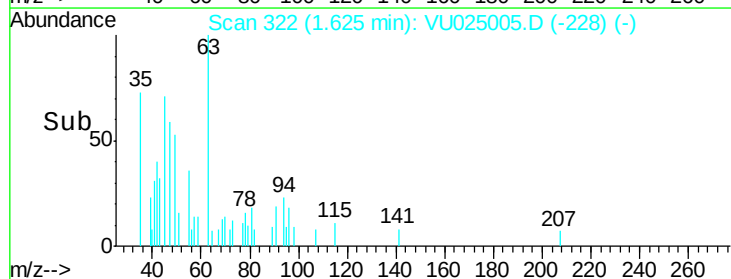
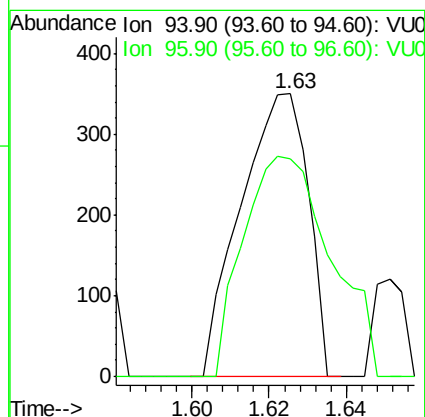
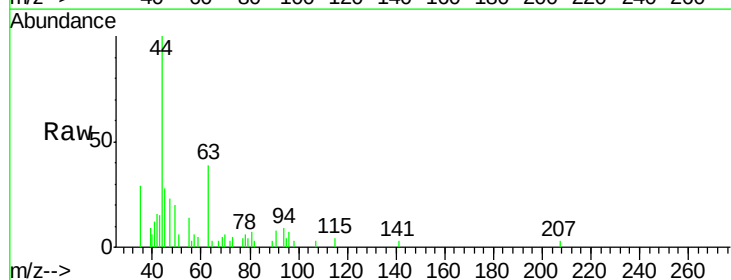
Acq: 28 Jun 2018 07:24

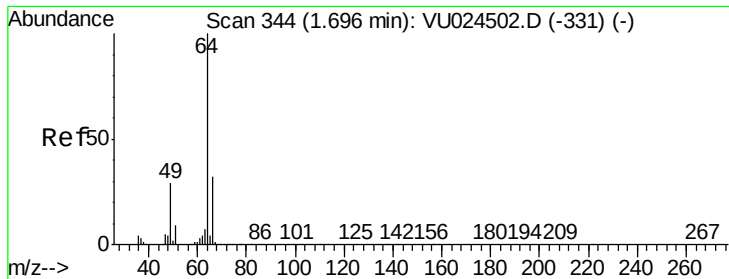
Tgt Ion: 94 Resp: 423

Ion Ratio Lower Upper

94 100

96 77.1 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.61 min Scan# 318

Delta R.T. -0.08 min

Lab File: VU025005.D

Acq: 28 Jun 2018 07:24

Instrument :

MSVOA_U

ClientSampleId :

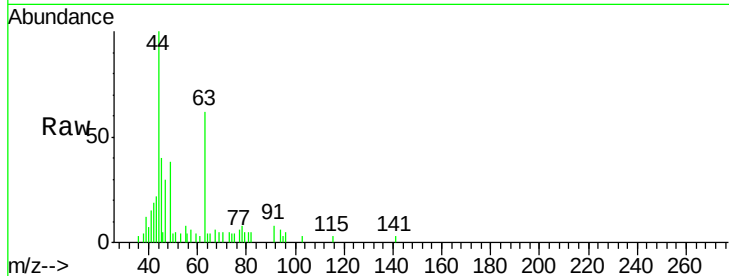
DUP-0478-180621ME

Tgt Ion: 64 Resp: 78

Ion Ratio Lower Upper

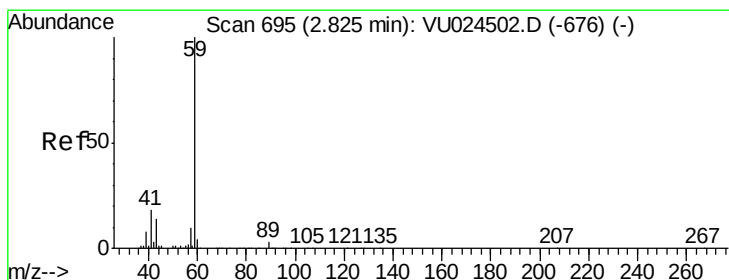
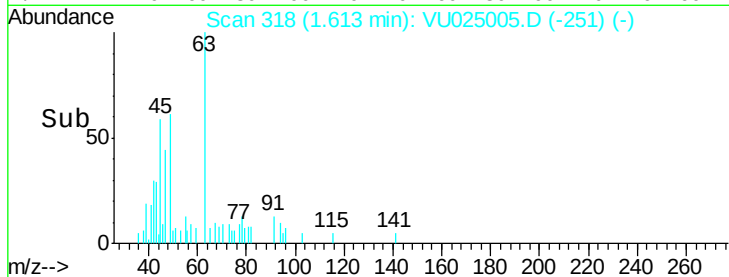
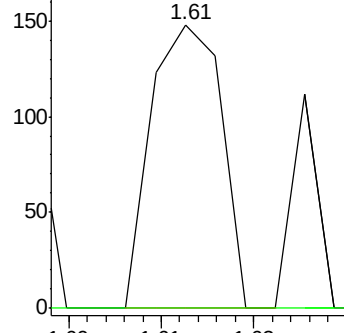
64 100

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



#11

Tert butyl alcohol

Concen: 1.964 ug/l

RT: 2.84 min Scan# 701

Delta R.T. 0.02 min

Lab File: VU025005.D

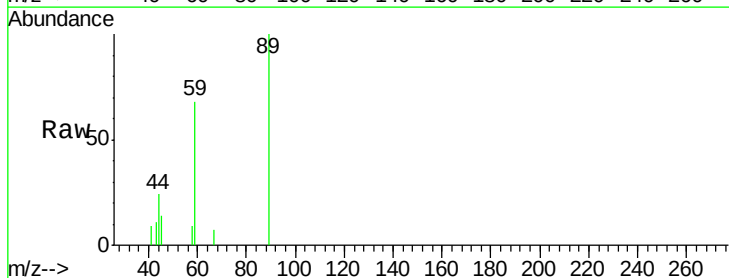
Acq: 28 Jun 2018 07:24

Tgt Ion: 59 Resp: 1658

Ion Ratio Lower Upper

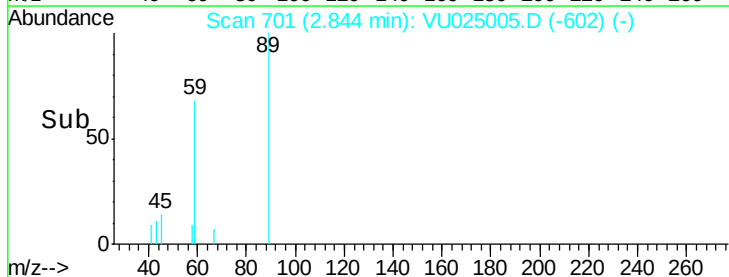
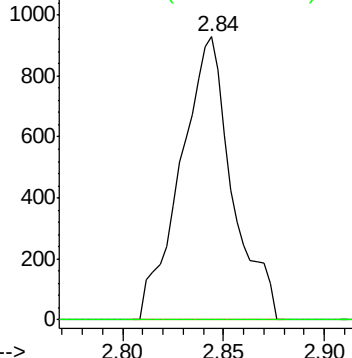
59 100

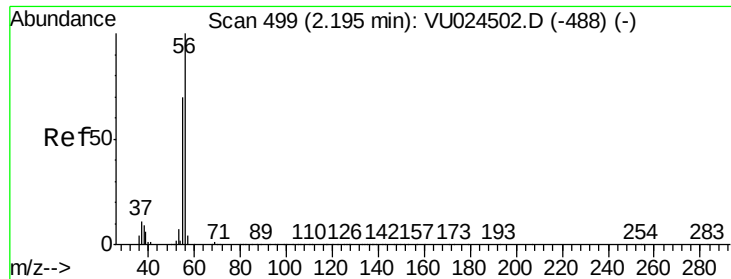
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 0.210 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025005.D

Acq: 28 Jun 2018 07:24

Instrument :

MSVOA_U

ClientSampleId :

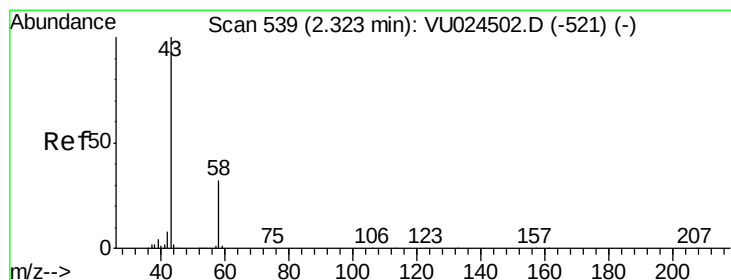
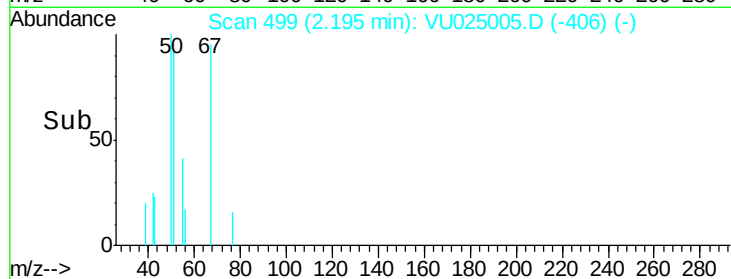
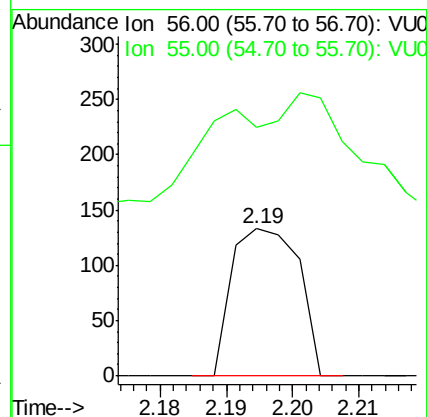
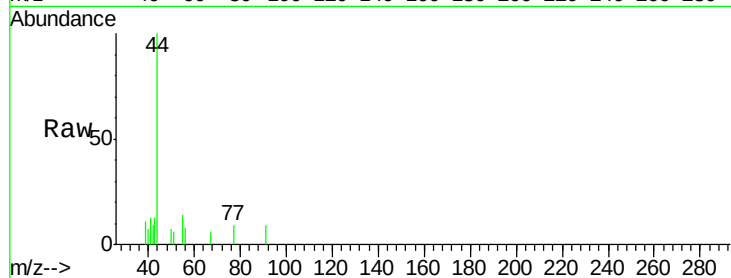
DUP-0478-180621ME

Tgt Ion: 56 Resp: 93

Ion Ratio Lower Upper

56 100

55 58.1 58.4 87.6#



#16

Acetone

Concen: 0.465 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025005.D

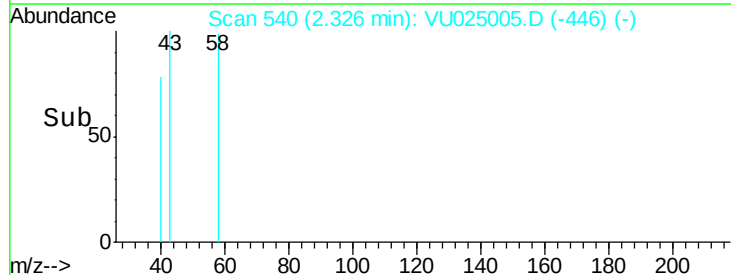
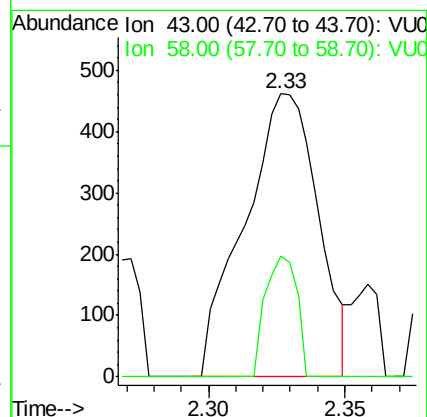
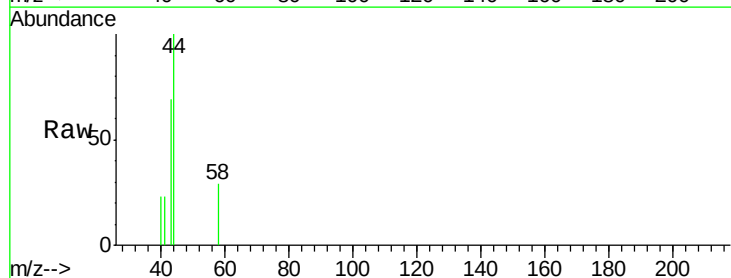
Acq: 28 Jun 2018 07:24

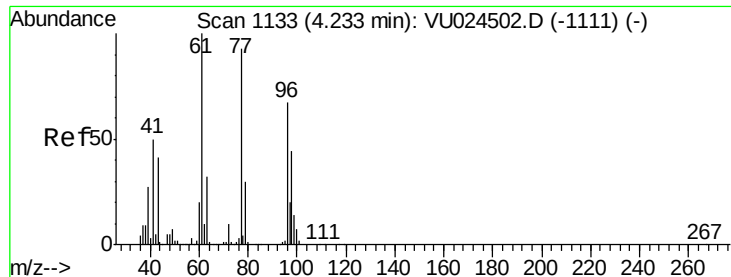
Tgt Ion: 43 Resp: 868

Ion Ratio Lower Upper

43 100

58 42.6 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 48.593 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025005.D

Acq: 28 Jun 2018 07:24

Instrument :

MSVOA_U

ClientSampleId :

DUP-0478-180621ME

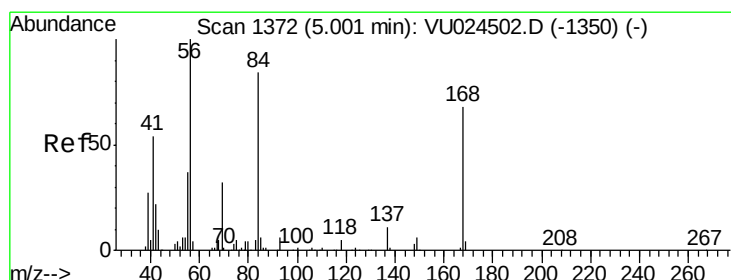
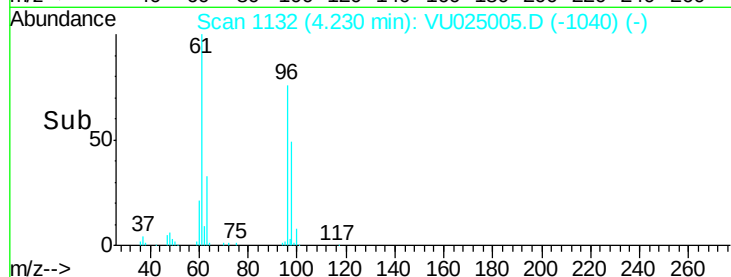
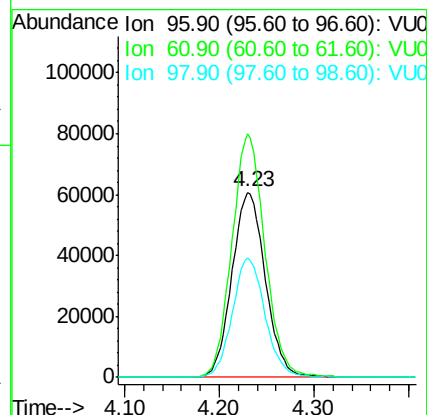
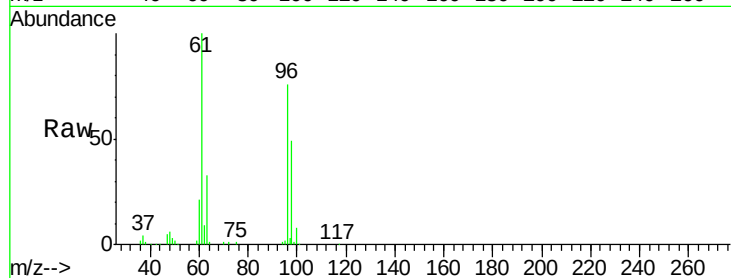
Tgt Ion: 96 Resp: 148952

Ion Ratio Lower Upper

96 100

61 130.3 0.0 306.6

98 63.0 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025005.D

Acq: 28 Jun 2018 07:24

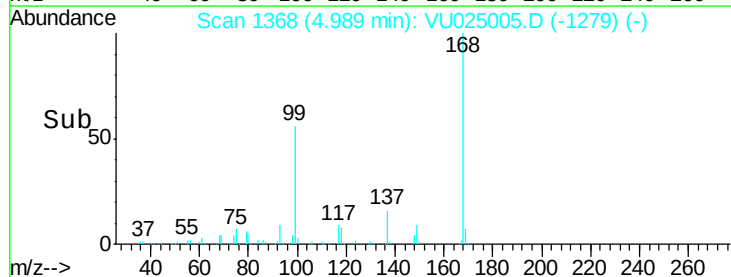
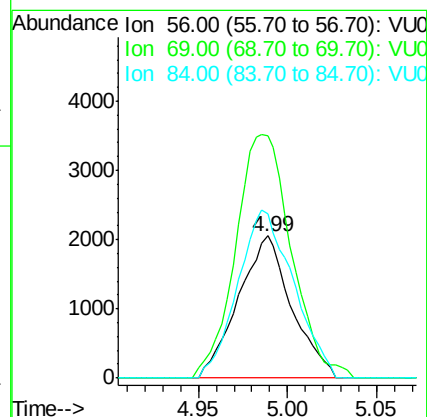
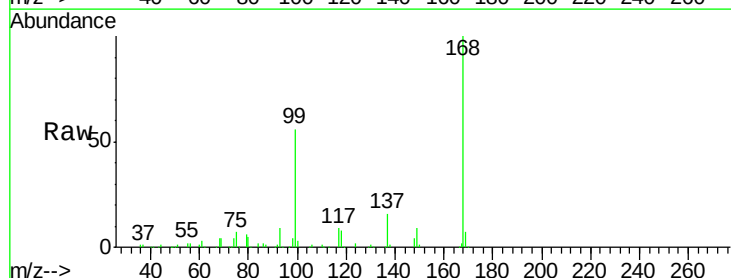
Tgt Ion: 56 Resp: 4260

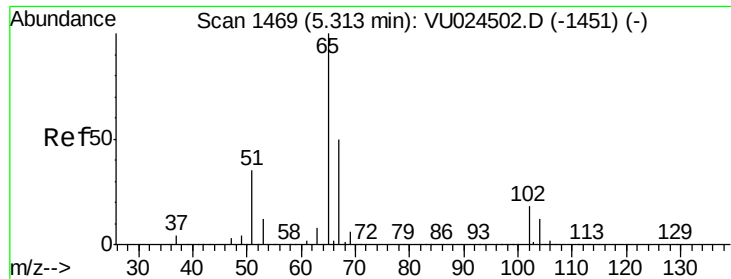
Ion Ratio Lower Upper

56 100

69 170.8 24.8 37.2#

84 115.2 65.2 97.8#

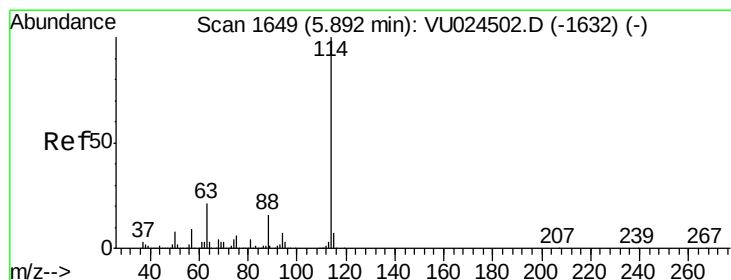
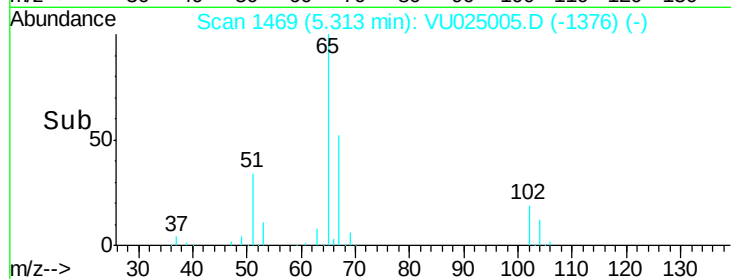
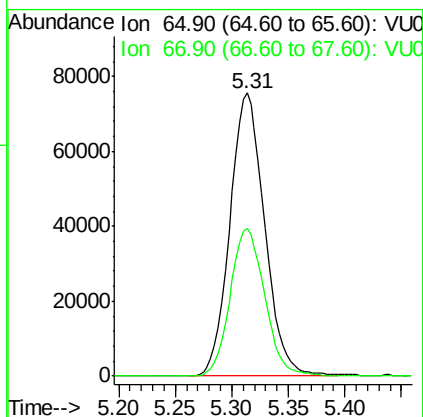
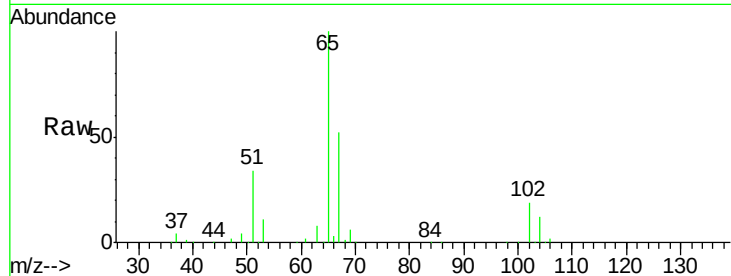




#33
 1,2-Dichloroethane-d4
 Concen: 46.514 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025005.D
 Acq: 28 Jun 2018 07:24

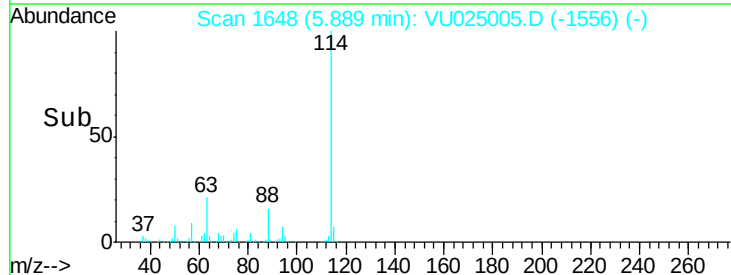
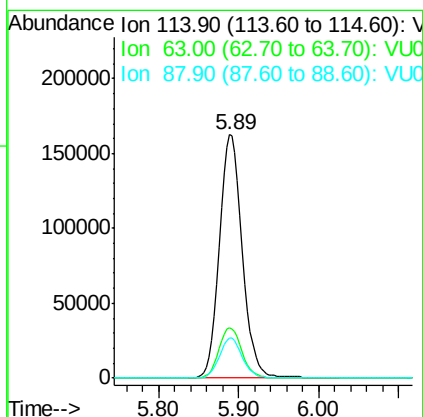
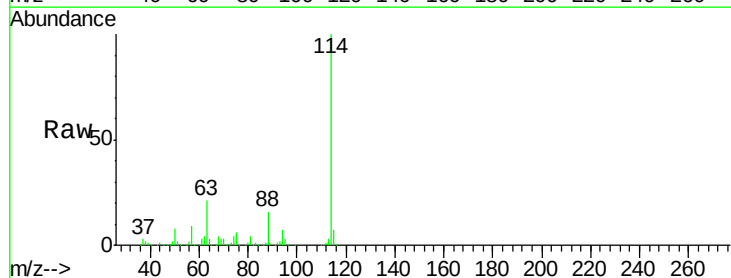
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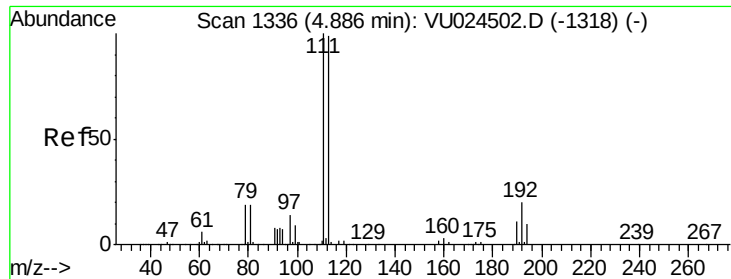
Tgt Ion: 65 Resp: 161441
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025005.D
 Acq: 28 Jun 2018 07:24

Tgt Ion: 114 Resp: 322020
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.4
 88 16.4 0.0 31.0

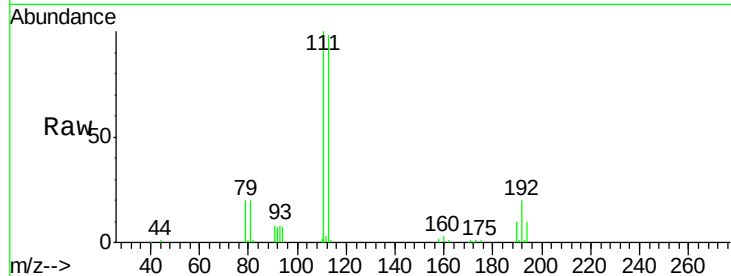




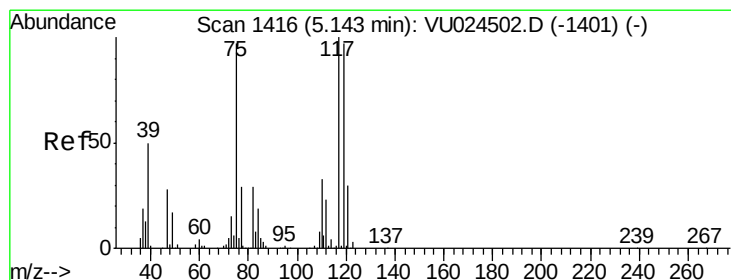
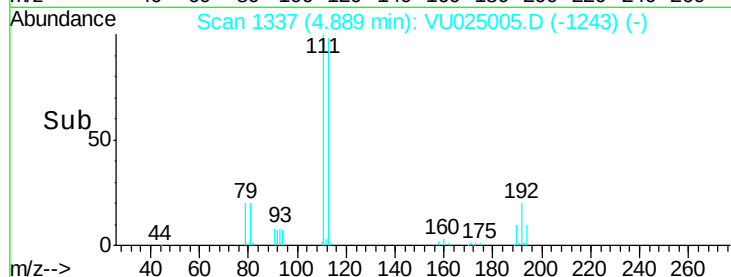
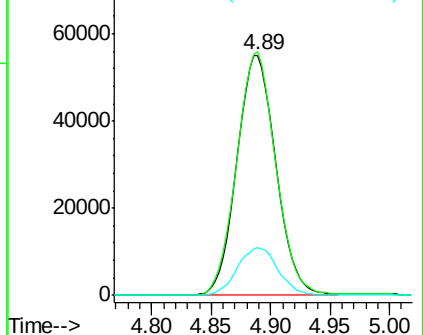
#35
 Dibromofluoromethane
 Concen: 46.852 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025005.D
 Acq: 28 Jun 2018 07:24

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0478-180621ME

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	20.6	16.2	24.4

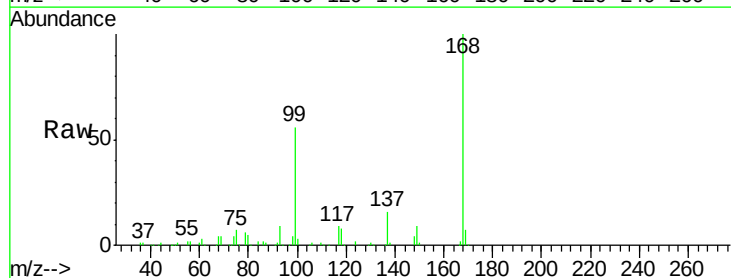


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

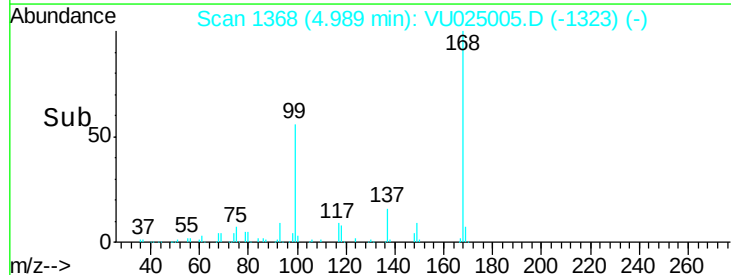
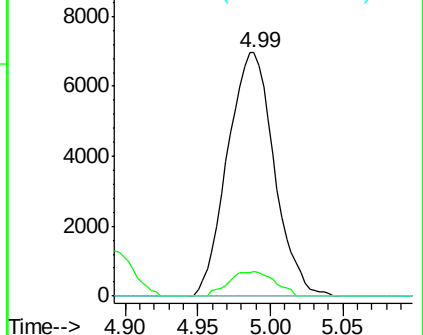


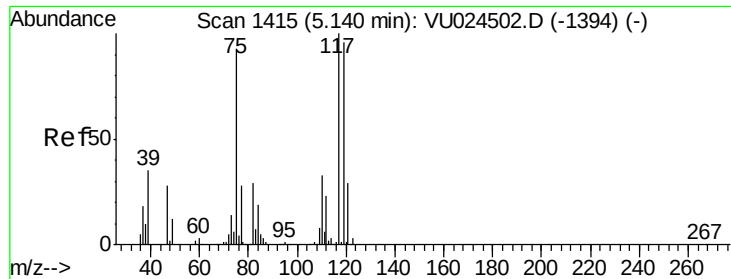
#36
 1,1-Dichloropropene
 Concen: 4.117 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025005.D
 Acq: 28 Jun 2018 07:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	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: 4.796 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025005.D

Acq: 28 Jun 2018 07:24

Instrument :

MSVOA_U

ClientSampleId :

DUP-0478-180621ME

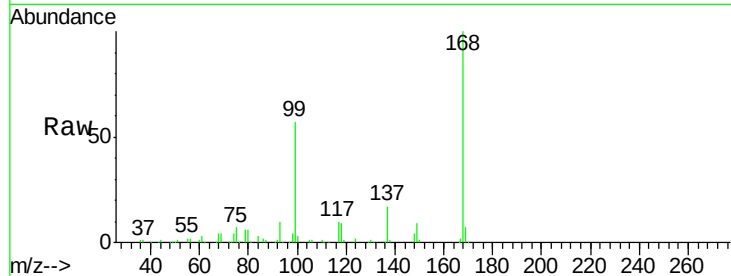
Tgt Ion:117 Resp: 19955

Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

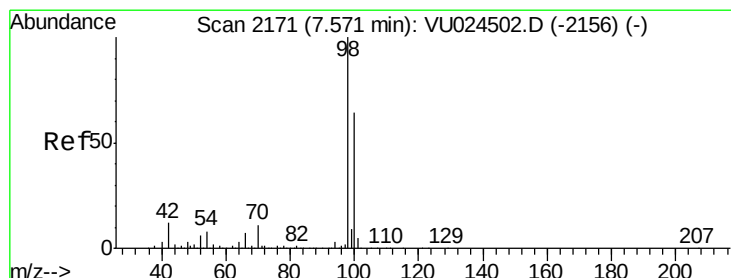
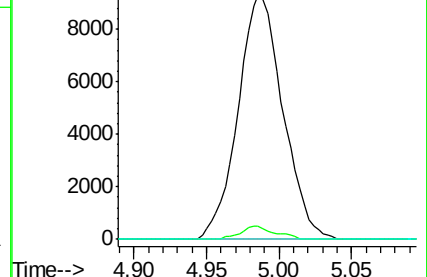
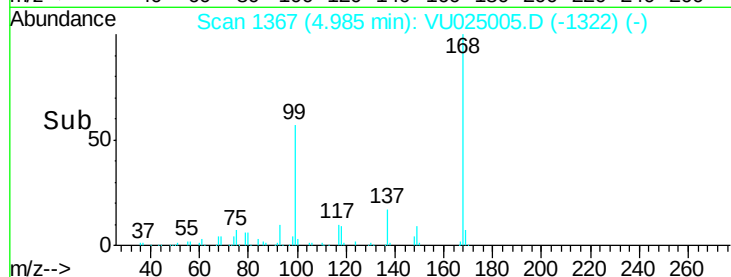
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.191 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025005.D

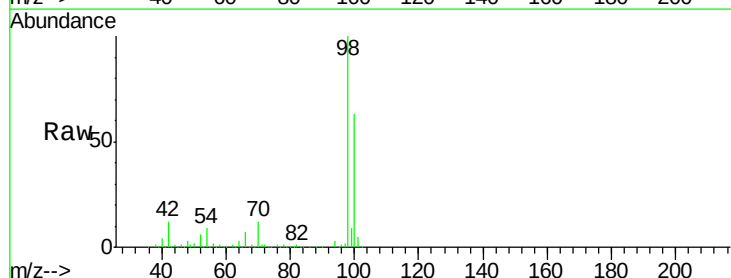
Acq: 28 Jun 2018 07:24

Tgt Ion: 98 Resp: 469780

Ion Ratio Lower Upper

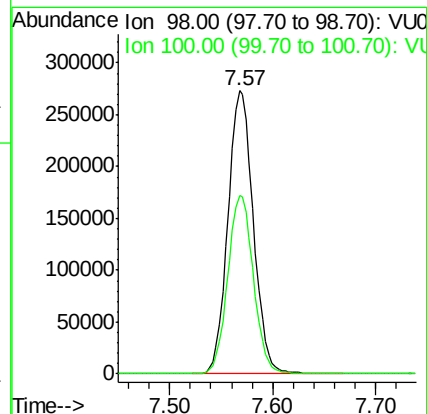
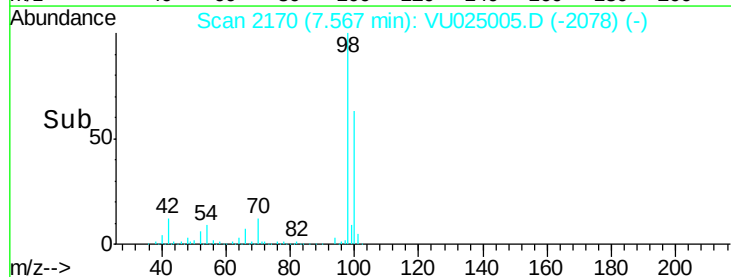
98 100

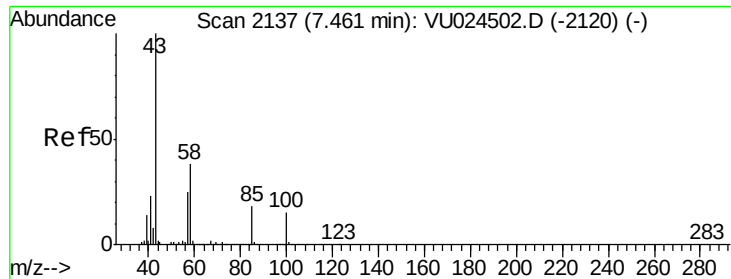
100 63.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

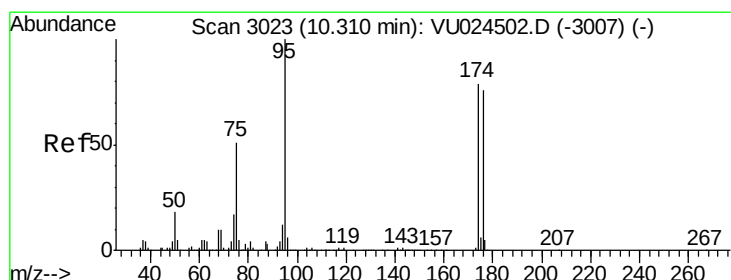
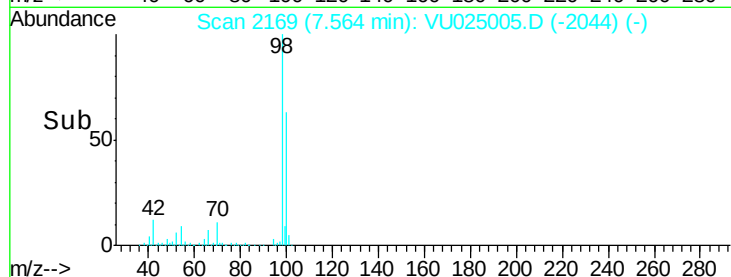
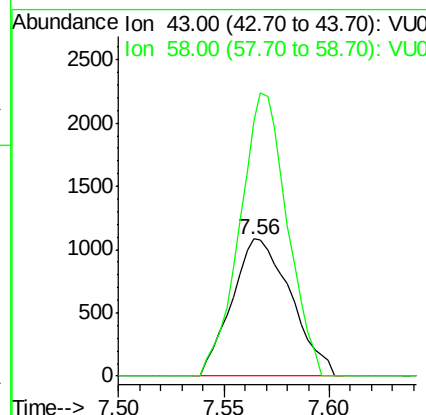
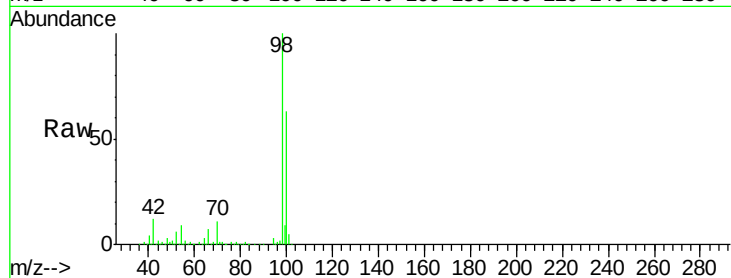




#51
 4-Methyl-2-Pentanone
 Concen: 0.472 ug/l
 RT: 7.56 min Scan# 2169
 Delta R.T. 0.10 min
 Lab File: VU025005.D
 Acq: 28 Jun 2018 07:24

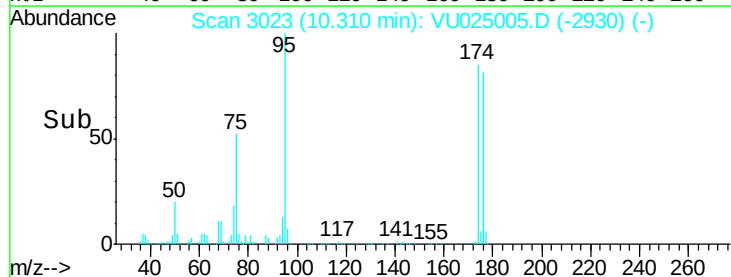
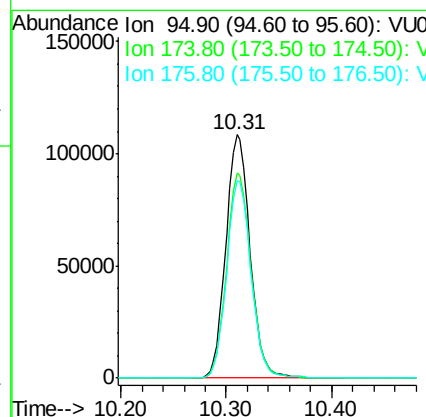
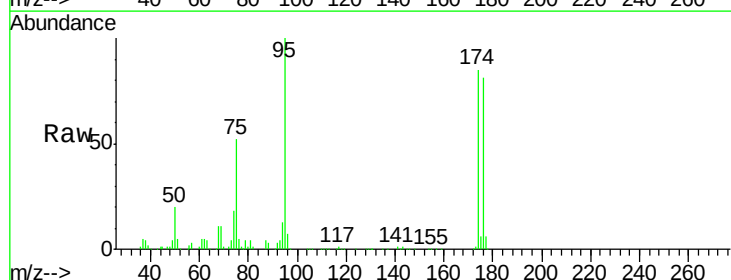
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0478-180621ME

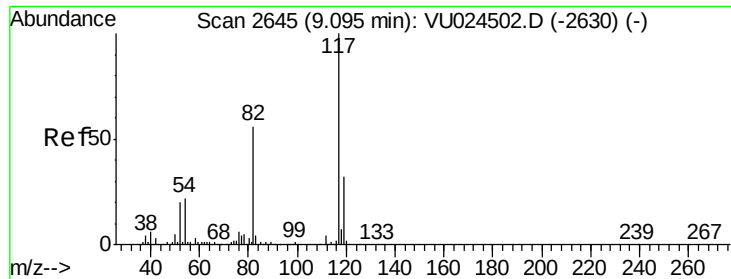
Tgt Ion: 43 Resp: 2112
 Ion Ratio Lower Upper
 43 100
 58 165.6 30.0 45.0#



#62
 4-Bromofluorobenzene
 Concen: 44.614 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025005.D
 Acq: 28 Jun 2018 07:24

Tgt Ion: 95 Resp: 172678
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 165.8
 176 81.7 0.0 159.4

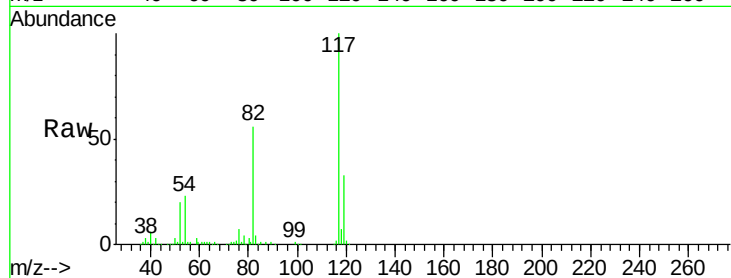




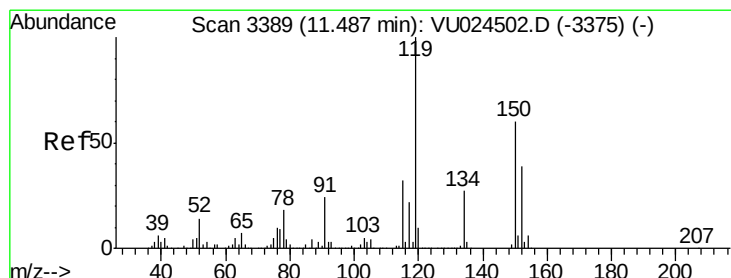
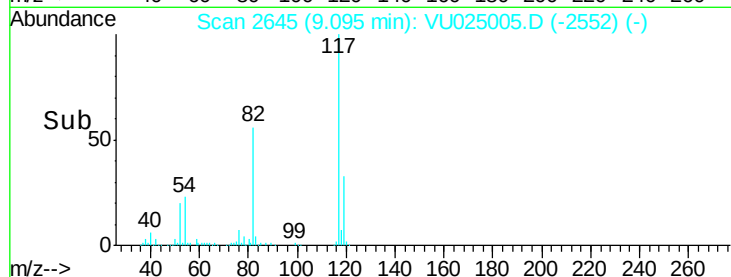
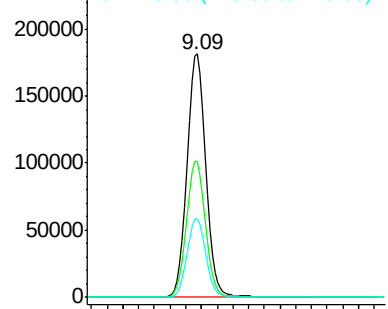
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025005.D
Acq: 28 Jun 2018 07:24

Instrument :
MSVOA_U
ClientSampleId :
DUP-0478-180621ME

Tgt Ion:117 Resp: 298173
Ion Ratio Lower Upper
117 100
82 55.7 44.3 66.5
119 32.5 25.4 38.2

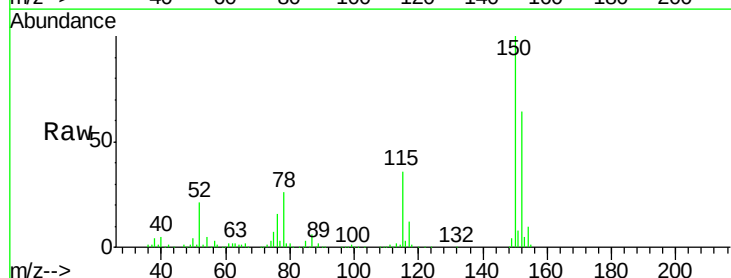


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

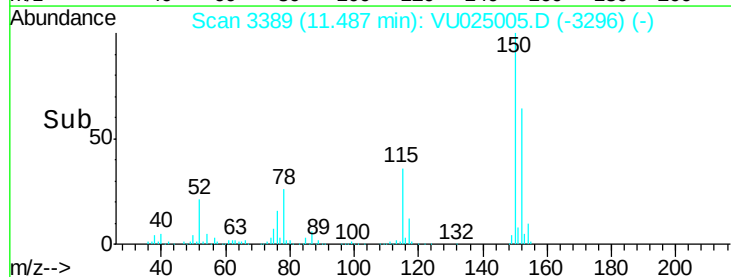
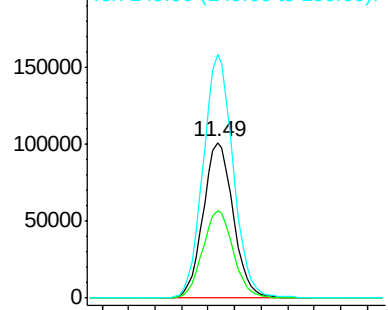


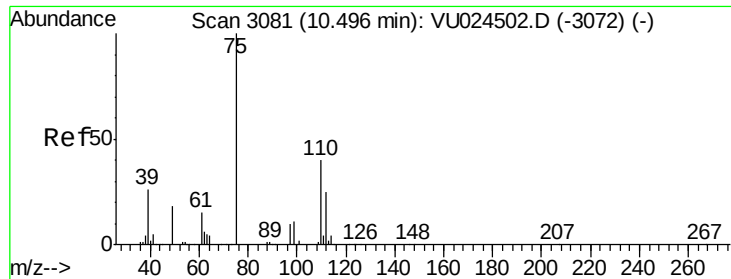
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025005.D
Acq: 28 Jun 2018 07:24

Tgt Ion:152 Resp: 159358
Ion Ratio Lower Upper
152 100
115 57.5 43.0 129.0
150 157.0 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

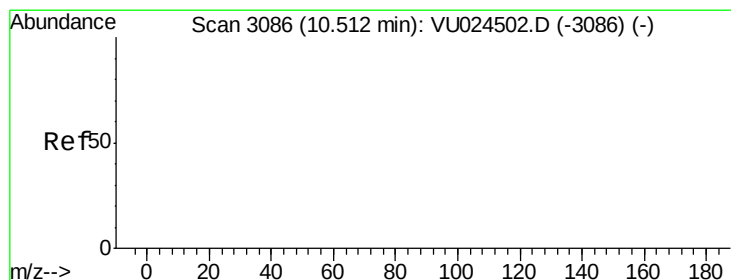
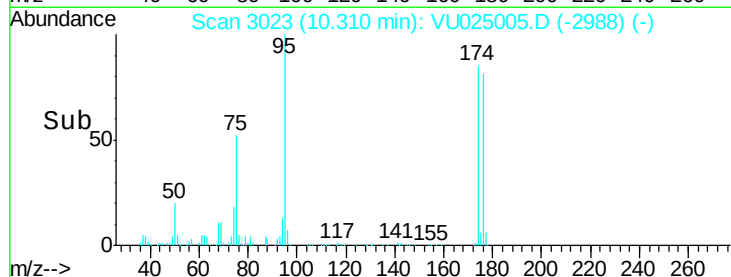
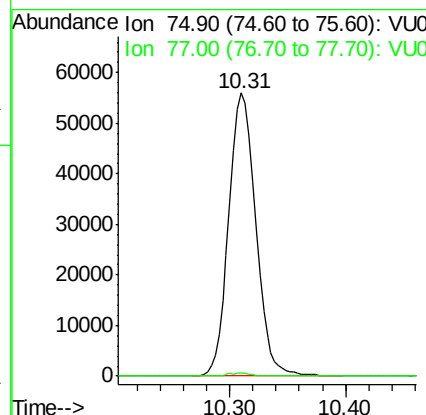
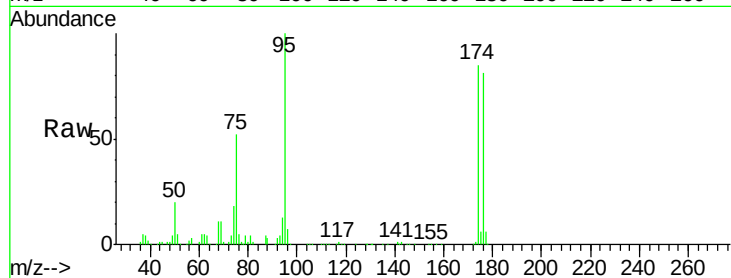




#76
 1,2,3-Trichloropropane
 Concen: 25.801 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025005.D
 Acq: 28 Jun 2018 07:24

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0478-180621ME

Tgt Ion: 75 Resp: 90521
 Ion Ratio Lower Upper
 75 100
 77 0.4 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.713 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025005.D
 Acq: 28 Jun 2018 07:24

Tgt Ion: 75 Resp: 90521
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

