

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062518\
 Data File : VU024908.D
 Acq On : 26 Jun 2018 05:03
 Operator : MD/SY
 Sample : J3669-17ME 200X
 Misc : 5.73g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0483-180620ME

Quant Time: Jun 26 08:41:08 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

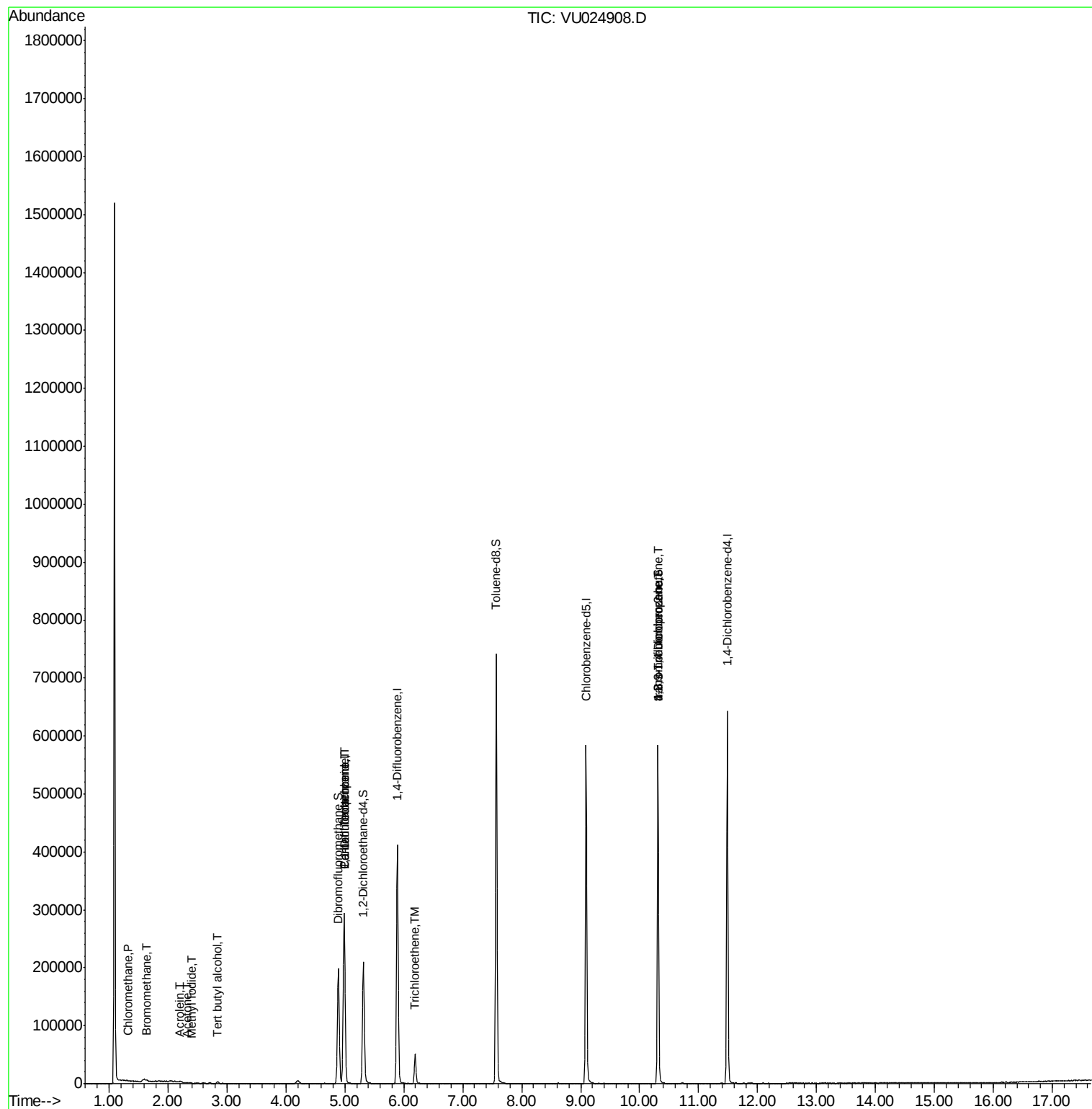
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	226908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	341631	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	317977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	170276	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	169209	45.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.36%	
35) Dibromofluoromethane	4.89	113	134220	47.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.68%	
50) Toluene-d8	7.57	98	495588	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	10.31	95	184848	45.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.04%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	652	0.225	ug/l	91
5) Bromomethane	1.64	94	438	0.303	ug/l	84
6) Chloroethane	1.73	64	132	Below Cal	#	43
10) Methyl Iodide	2.42	142	42	5.304	ug/l #	40
11) Tert butyl alcohol	2.84	59	1708	1.896	ug/l #	72
13) Acrolein	2.19	56	158	0.334	ug/l #	61
16) Acetone	2.32	43	1679	0.844	ug/l	89
31) Cyclohexane	4.98	56	4512	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16427	4.092	ug/l #	51
38) Carbon Tetrachloride	4.99	117	21802	4.939	ug/l #	16
44) Trichloroethene	6.19	130	18745	5.758	ug/l	91
76) 1,2,3-Trichloropropane	10.31	75	95550	25.488	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	95550	58.989	ug/l #	100

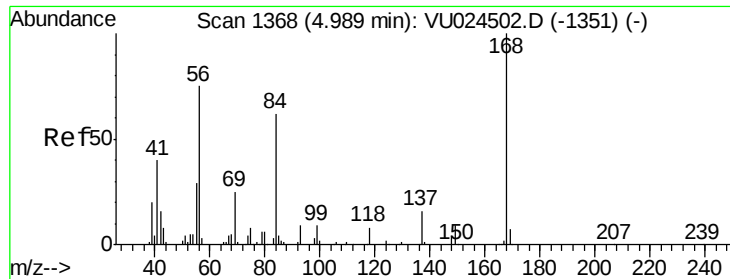
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024908.D

Acq: 26 Jun 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

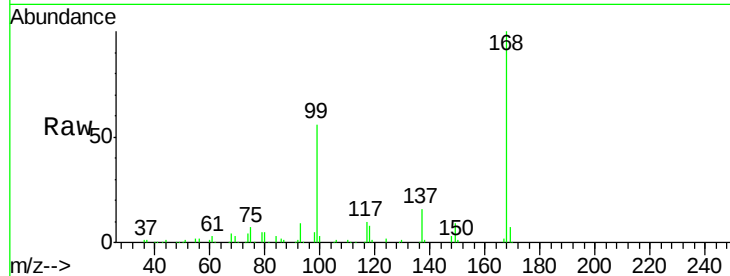
DUP-0483-180620ME

Tgt Ion:168 Resp: 226908

Ion Ratio Lower Upper

168 100

99 55.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024908.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024908.D (-1351) (-)

4.99

120000

100000

80000

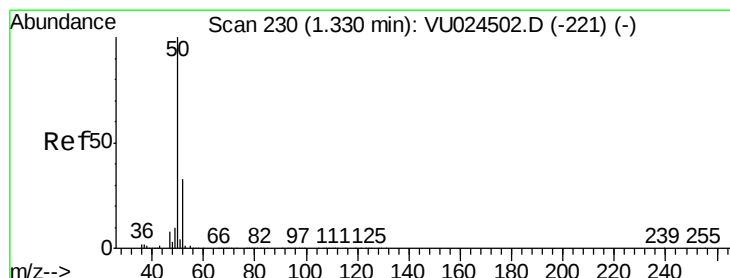
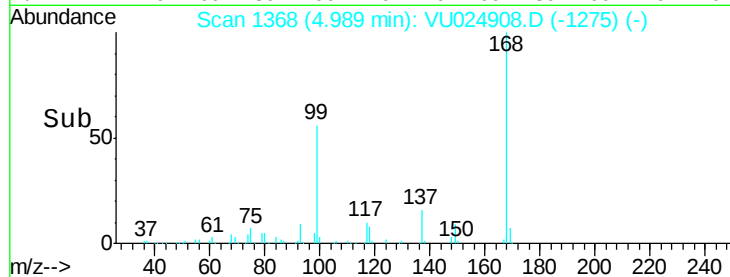
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024908.D

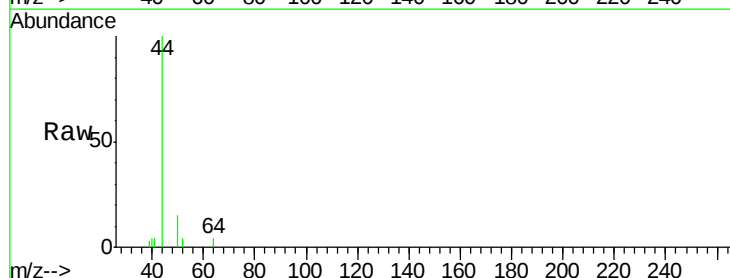
Acq: 26 Jun 2018 05:03

Tgt Ion: 50 Resp: 652

Ion Ratio Lower Upper

50 100

52 27.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024908.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024908.D (-137) (-)

1.33

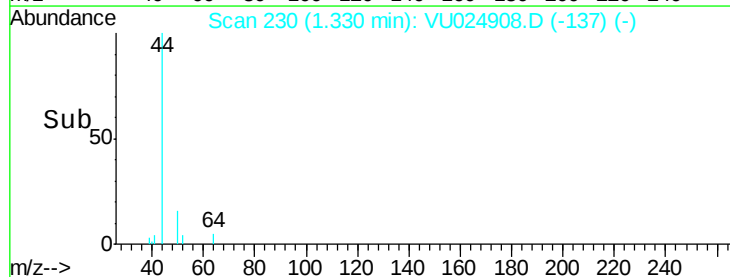
600

400

200

0

Time-->





#5

Bromomethane

Concen: 0.303 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024908.D

Acq: 26 Jun 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

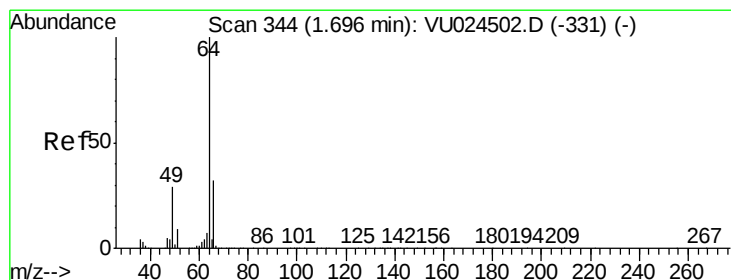
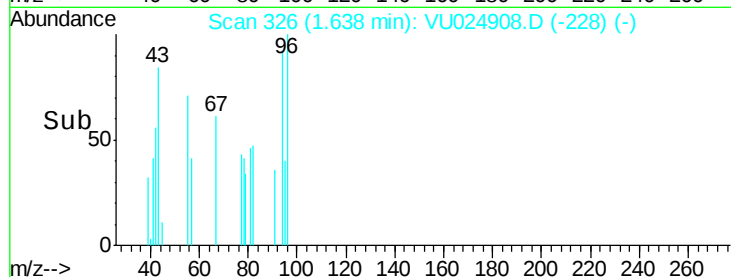
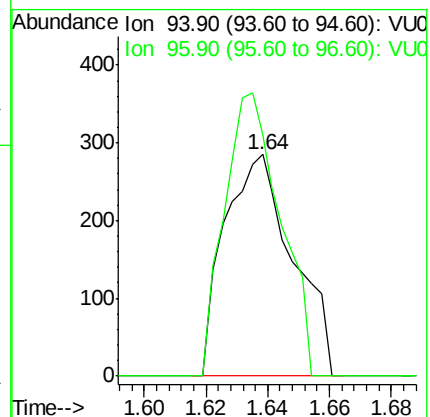
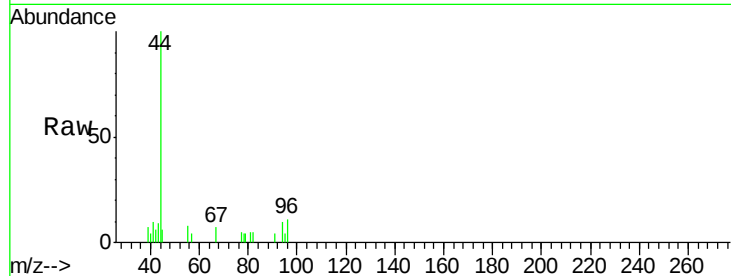
DUP-0483-180620ME

Tgt Ion: 94 Resp: 438

Ion Ratio Lower Upper

94 100

96 108.8 74.5 111.7



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 354

Delta R.T. 0.03 min

Lab File: VU024908.D

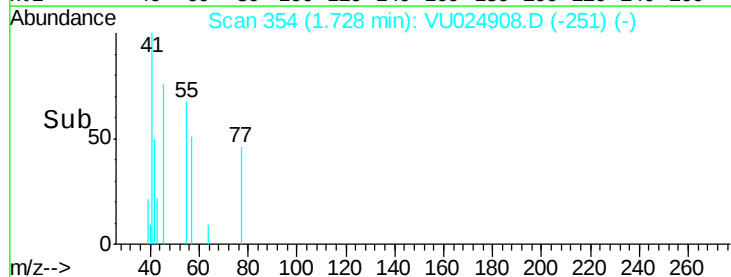
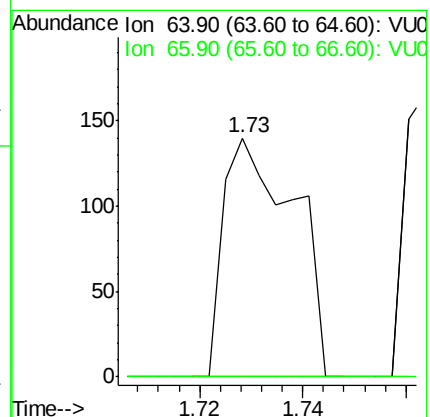
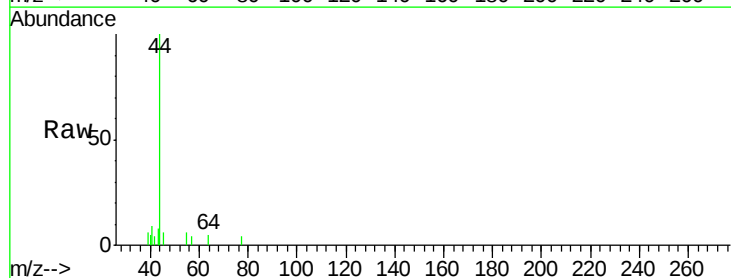
Acq: 26 Jun 2018 05:03

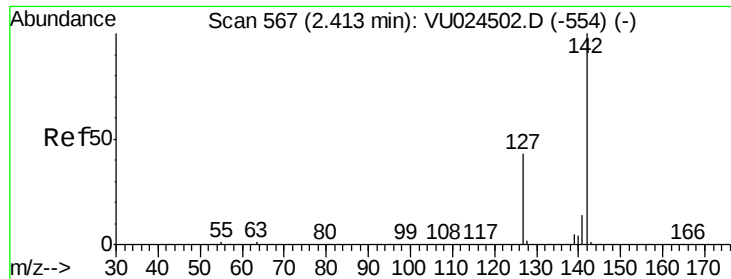
Tgt Ion: 64 Resp: 132

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

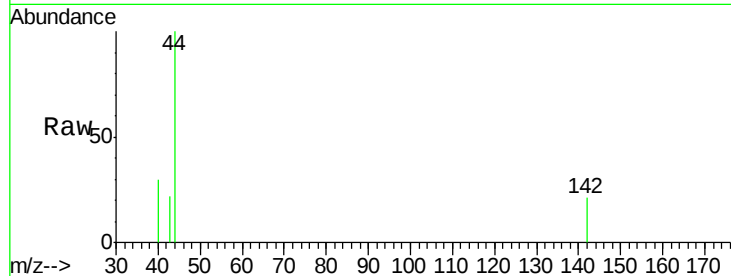




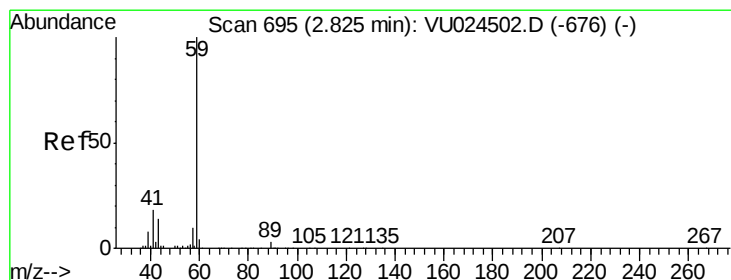
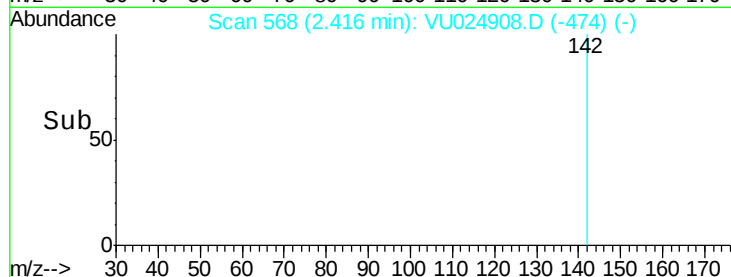
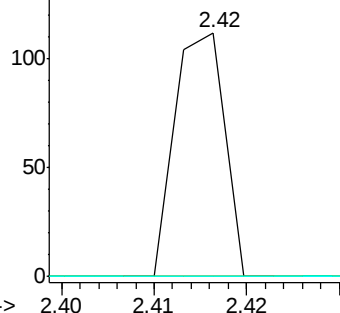
#10
Methyl Iodide
Concen: 5.304 ug/l
RT: 2.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU024908.D
Acq: 26 Jun 2018 05:03

Instrument :
MSVOA_U
ClientSampleId :
DUP-0483-180620ME

Tgt Ion: 142 Resp: 42
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#

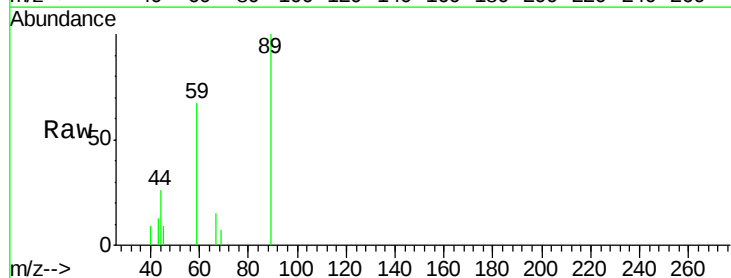


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

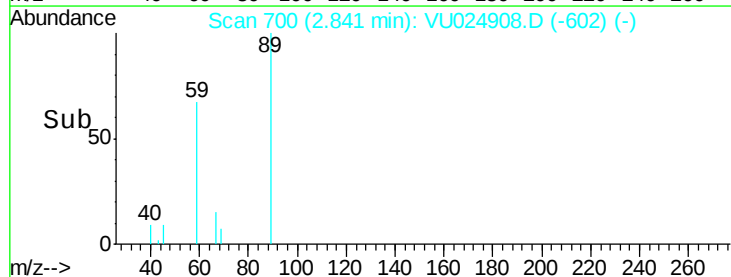
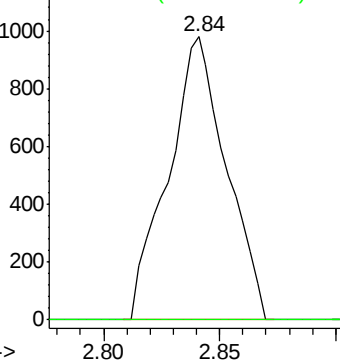


#11
Tert butyl alcohol
Concen: 1.896 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU024908.D
Acq: 26 Jun 2018 05:03

Tgt Ion: 59 Resp: 1708
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: 0.334 ug/l

RT: 2.19 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU024908.D

Acq: 26 Jun 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

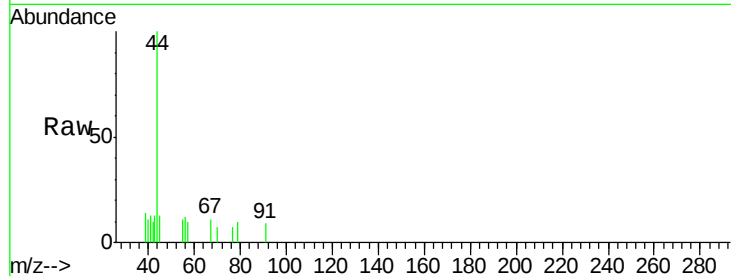
DUP-0483-180620ME

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

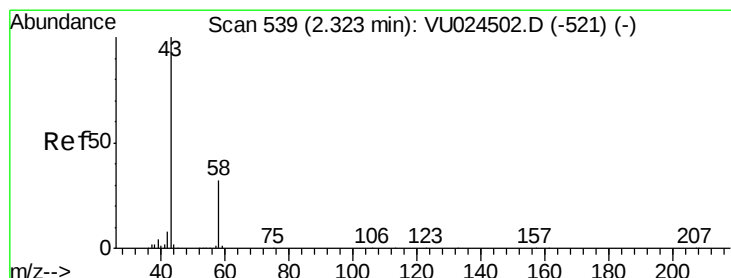
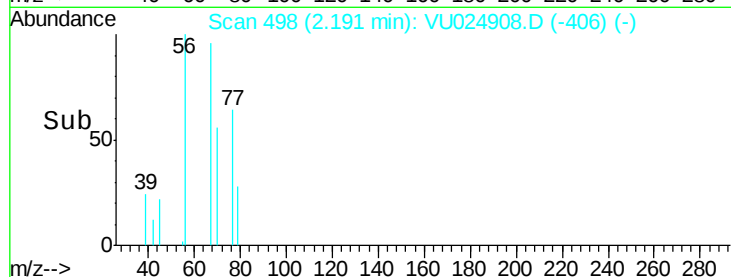
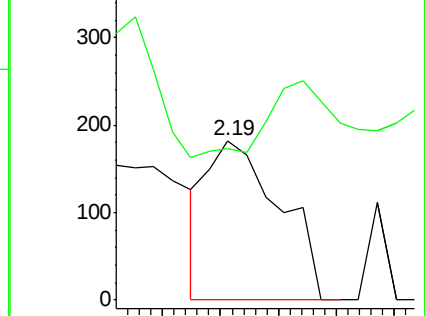
56 100

55 39.9 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 0.844 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024908.D

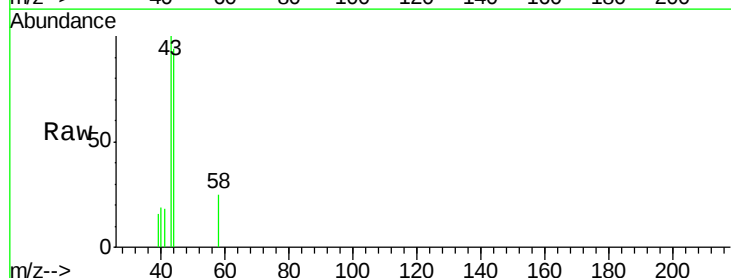
Acq: 26 Jun 2018 05:03

Tgt Ion: 43 Resp: 1679

Ion Ratio Lower Upper

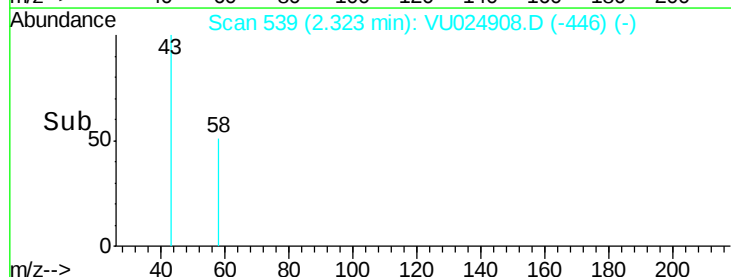
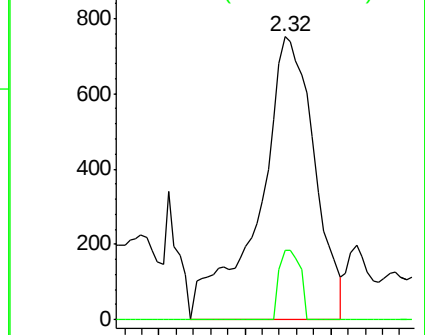
43 100

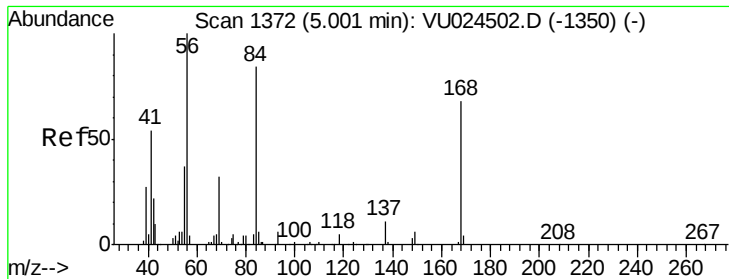
58 24.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

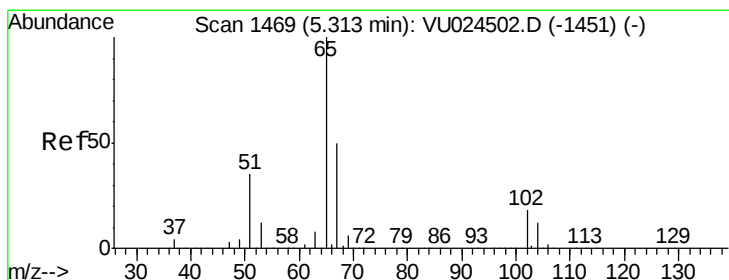
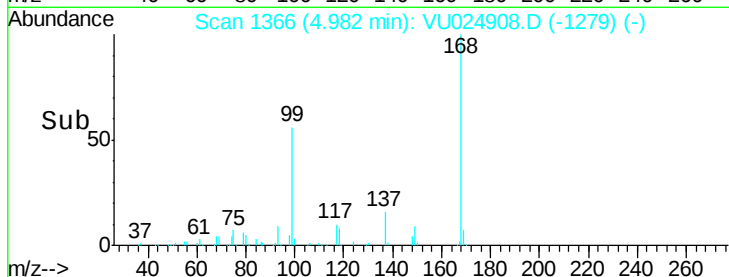
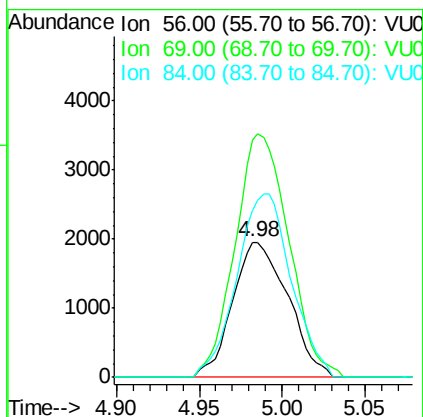
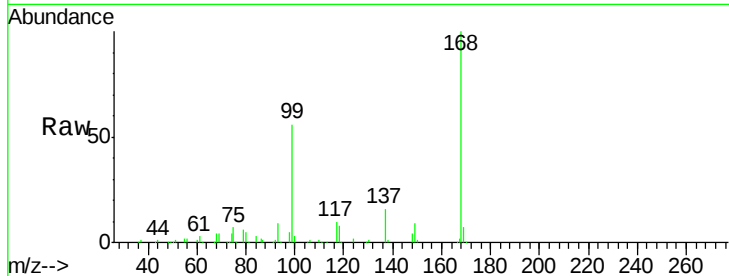




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU024908.D
Acq: 26 Jun 2018 05:03

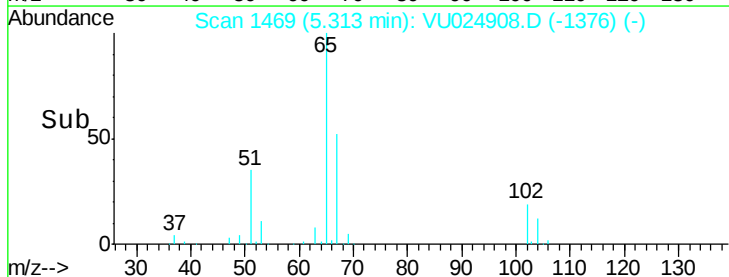
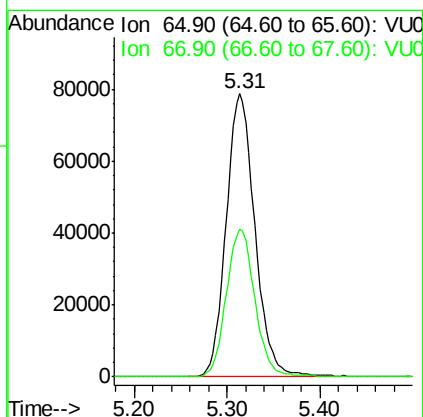
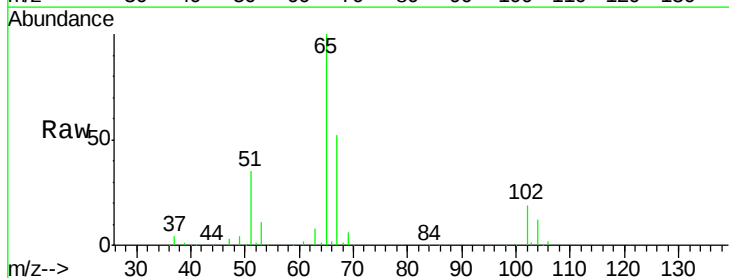
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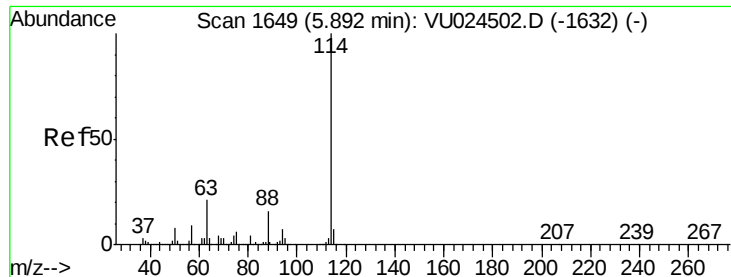
Tgt Ion: 56 Resp: 4512
Ion Ratio Lower Upper
56 100
69 176.0 24.8 37.2#
84 123.8 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 45.679 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024908.D
Acq: 26 Jun 2018 05:03

Tgt Ion: 65 Resp: 169209
Ion Ratio Lower Upper
65 100
67 52.2 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: VU024908.D

Acq: 26 Jun 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

DUP-0483-180620ME

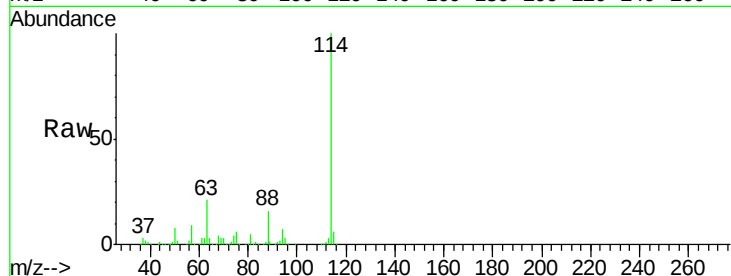
Tgt Ion:114 Resp: 341631

Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.4

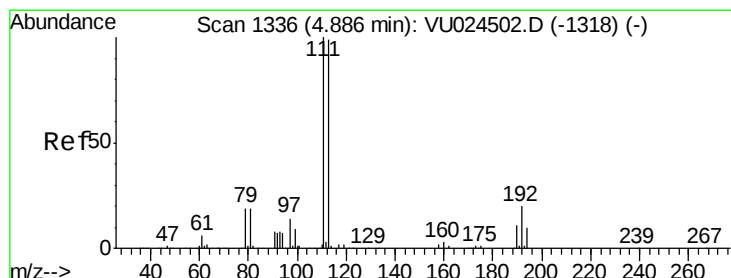
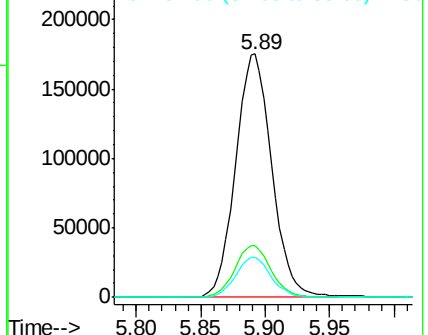
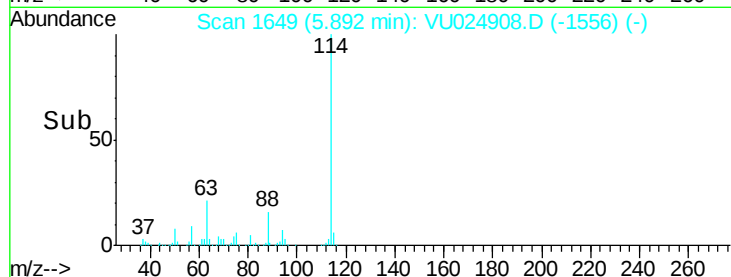
88 16.3 0.0 31.0



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



#35

Dibromofluoromethane

Concen: 47.339 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024908.D

Acq: 26 Jun 2018 05:03

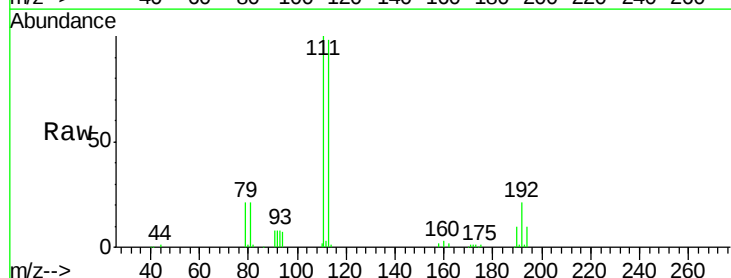
Tgt Ion:113 Resp: 134220

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

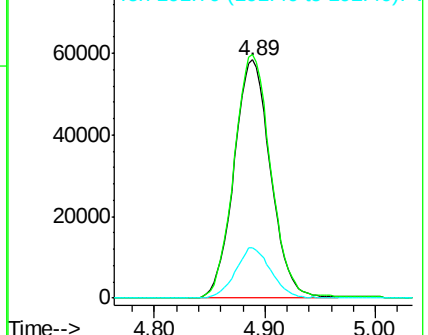
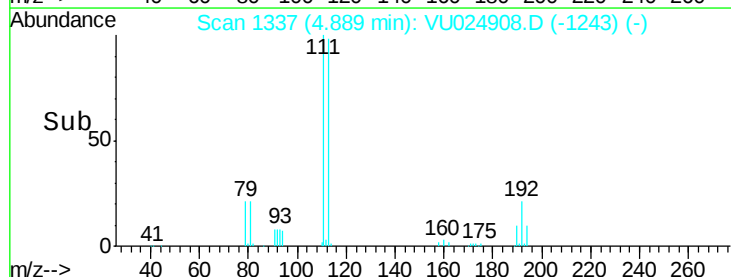
192 20.4 16.2 24.4

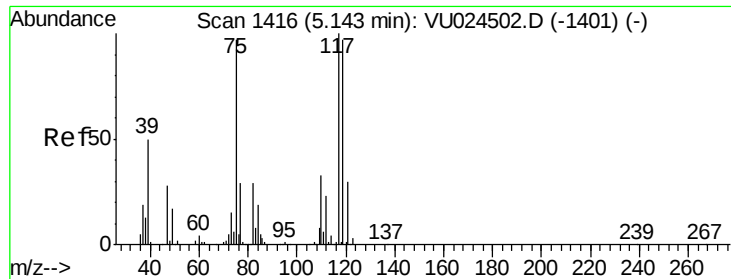


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

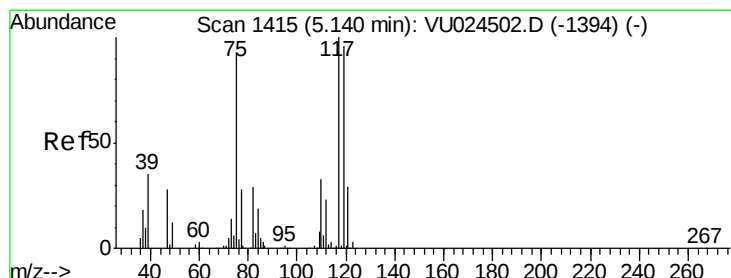
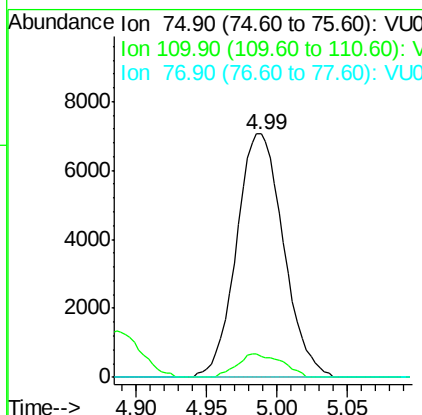
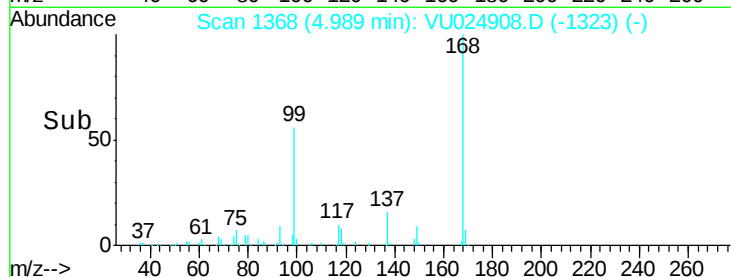
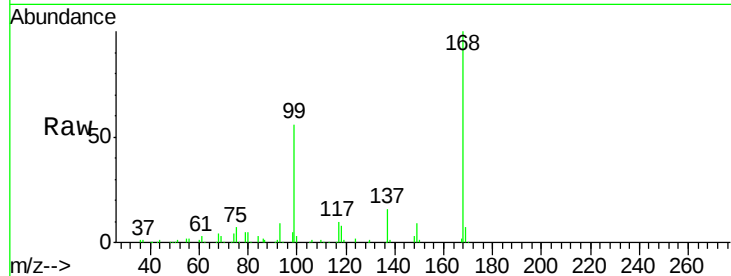




#36
 1,1-Dichloropropene
 Concen: 4.092 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024908.D
 Acq: 26 Jun 2018 05:03

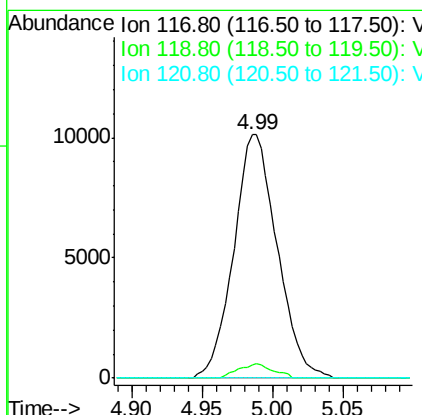
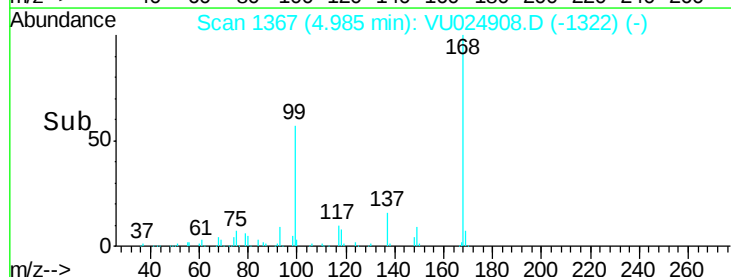
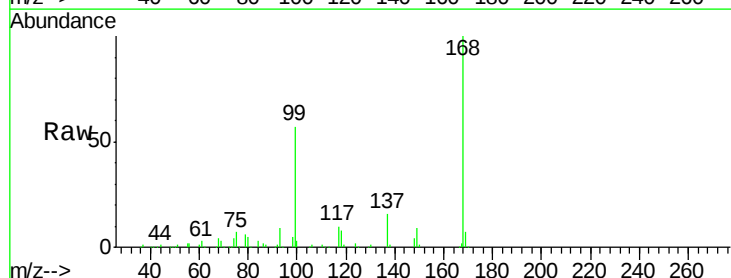
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0483-180620ME

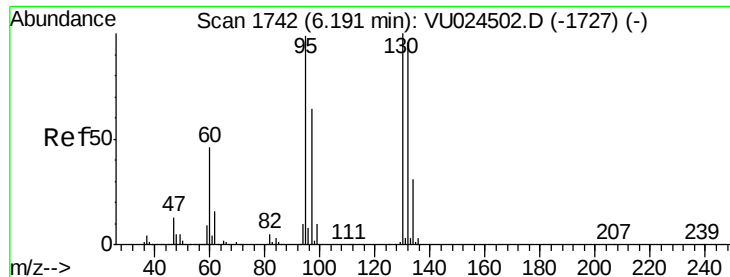
Tgt Ion: 75 Resp: 16427
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.0 50.9#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 4.939 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU024908.D
 Acq: 26 Jun 2018 05:03

Tgt Ion: 117 Resp: 21802
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.1 114.1#
 121 0.0 23.7 35.5#





#44

Trichloroethene

Concen: 5.758 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024908.D

Acq: 26 Jun 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

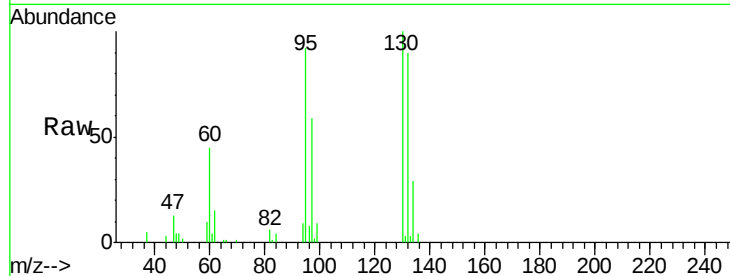
DUP-0483-180620ME

Tgt Ion:130 Resp: 18745

Ion Ratio Lower Upper

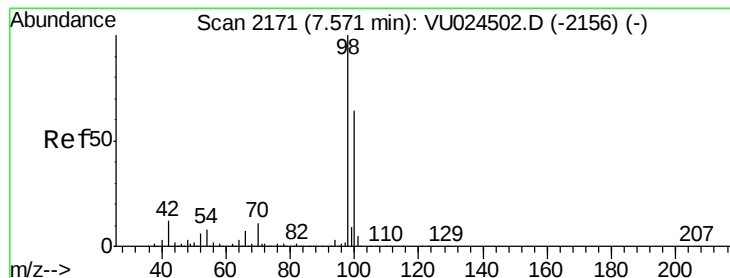
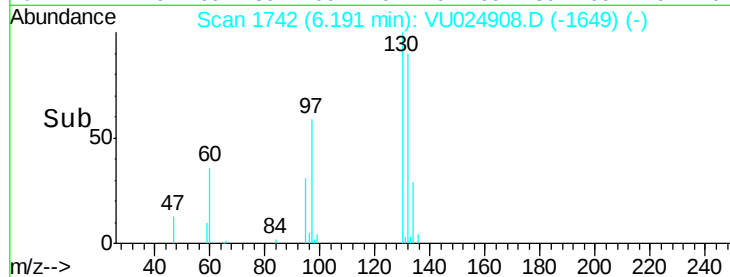
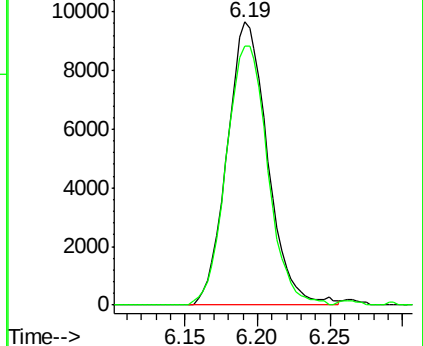
130 100

95 91.7 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: 47.920 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024908.D

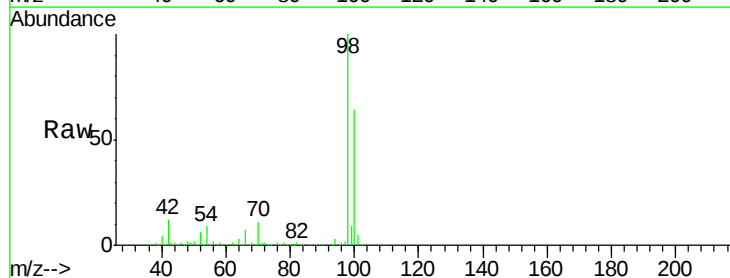
Acq: 26 Jun 2018 05:03

Tgt Ion: 98 Resp: 495588

Ion Ratio Lower Upper

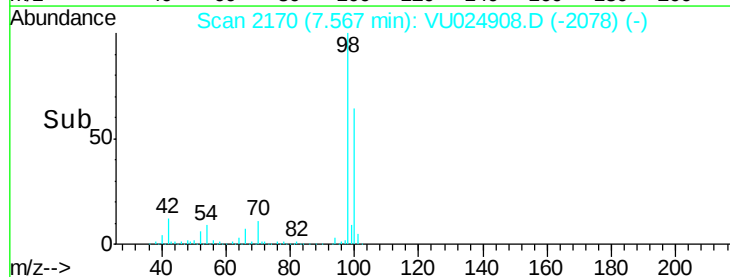
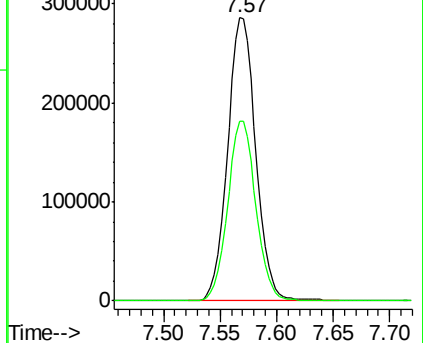
98 100

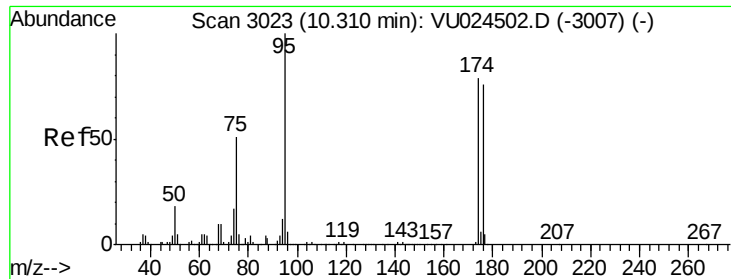
100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#62

4-Bromofluorobenzene

Concen: 45.017 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024908.D

Acq: 26 Jun 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

DUP-0483-180620ME

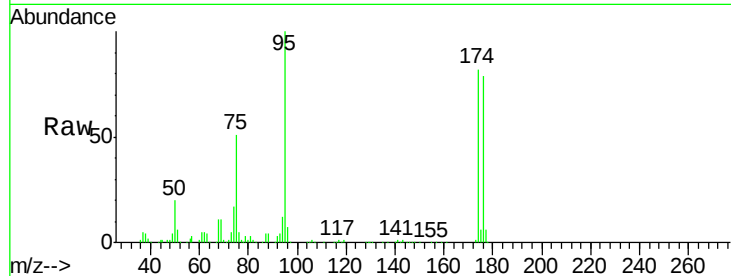
Tgt Ion: 95 Resp: 184848

Ion Ratio Lower Upper

95 100

174 83.8 0.0 165.8

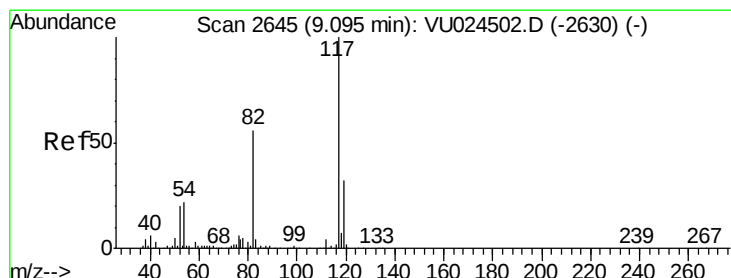
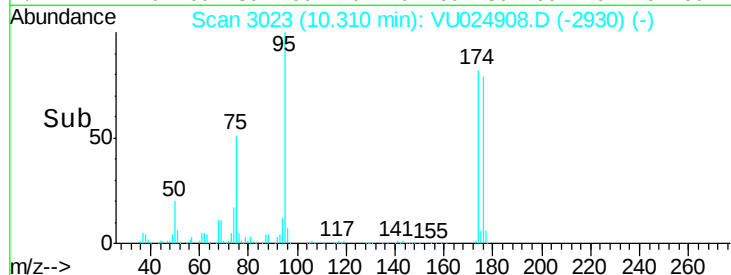
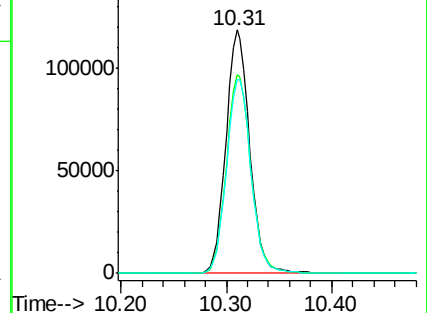
176 82.0 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024908.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024908.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024908.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024908.D

Acq: 26 Jun 2018 05:03

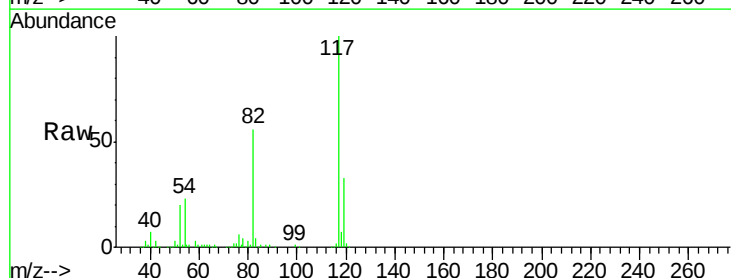
Tgt Ion: 117 Resp: 317977

Ion Ratio Lower Upper

117 100

82 56.4 44.3 66.5

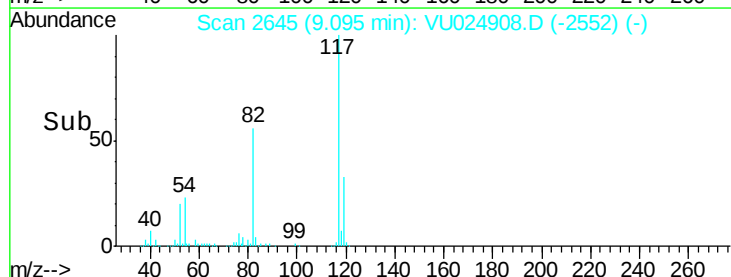
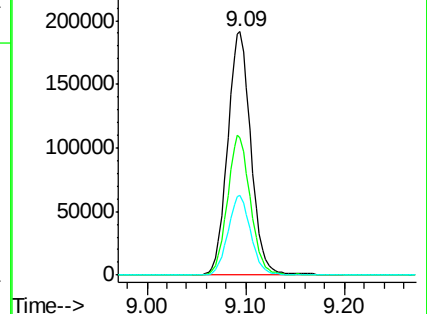
119 32.7 25.4 38.2

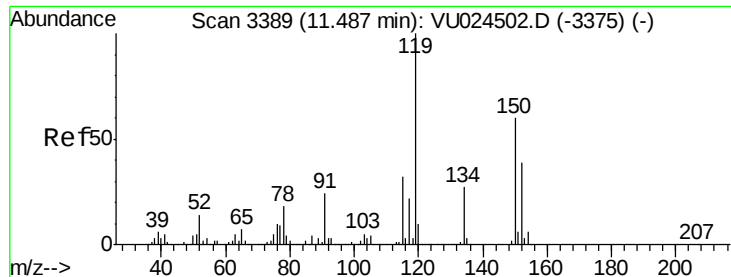


Abundance Ion 116.90 (116.60 to 117.60): VU024908.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024908.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024908.D (-2552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024908.D

Acq: 26 Jun 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

DUP-0483-180620ME

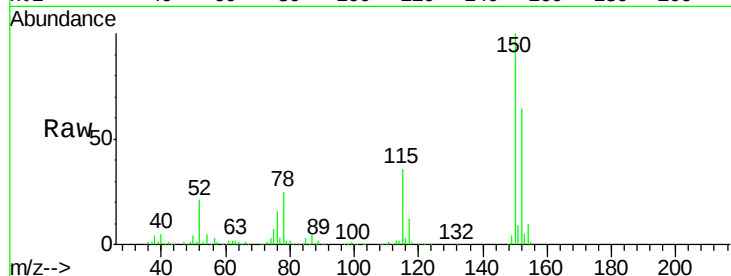
Tgt Ion:152 Resp: 170276

Ion Ratio Lower Upper

152 100

115 56.8 43.0 129.0

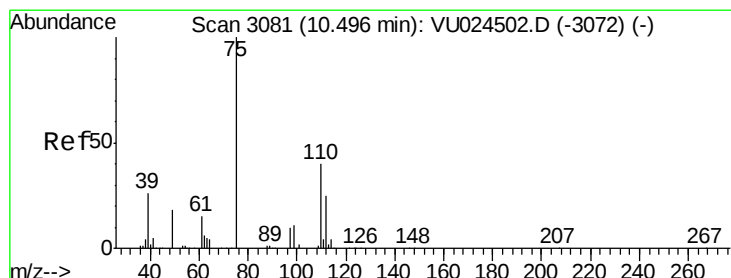
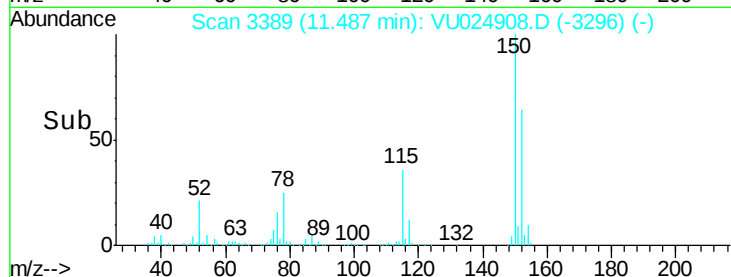
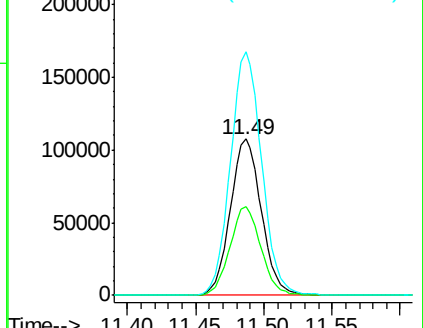
150 157.0 0.0 354.0



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: 25.488 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024908.D

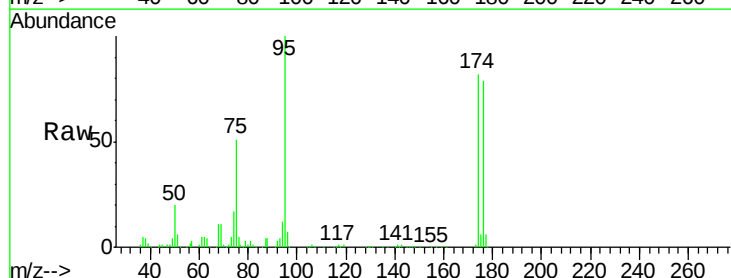
Acq: 26 Jun 2018 05:03

Tgt Ion: 75 Resp: 95550

Ion Ratio Lower Upper

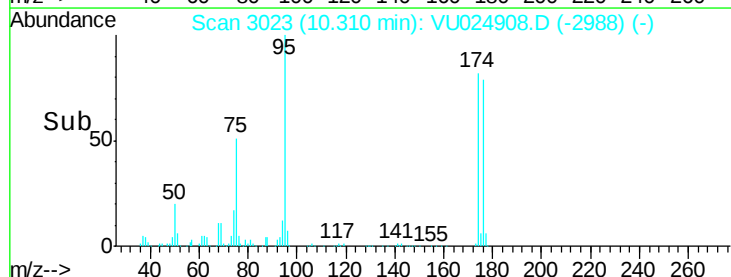
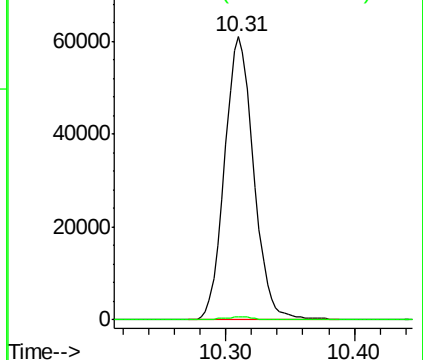
75 100

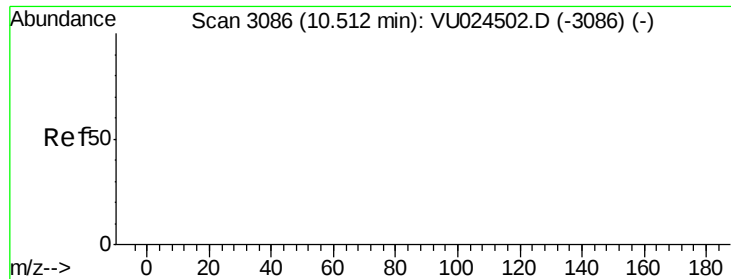
77 1.1 20.9 62.7#



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: 58.989 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024908.D

Acq: 26 Jun 2018 05:03

Instrument :

MSVOA_U

ClientSampleId :

DUP-0483-180620ME

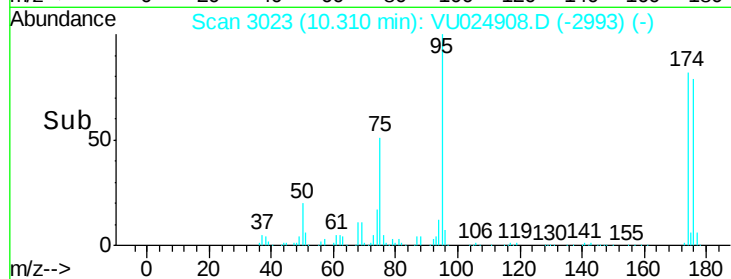
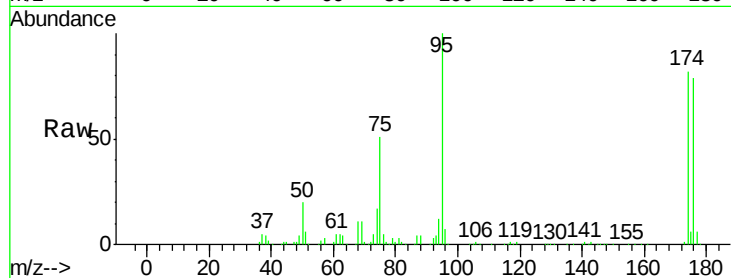
Tgt Ion: 75 Resp: 95550

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

