

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027199.D
 Acq On : 27 Sep 2018 00:24
 Operator : MD/SY
 Sample : J5048-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-56-SEP18

Quant Time: Sep 27 04:03:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	90677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	154403	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	148142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68117	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	94618	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
35) Dibromofluoromethane	4.88	113	65607	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
50) Toluene-d8	7.57	98	249249	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	10.31	95	79565	45.46	ug/l	0.00
Spiked Amount			Recovery	=	90.92%	

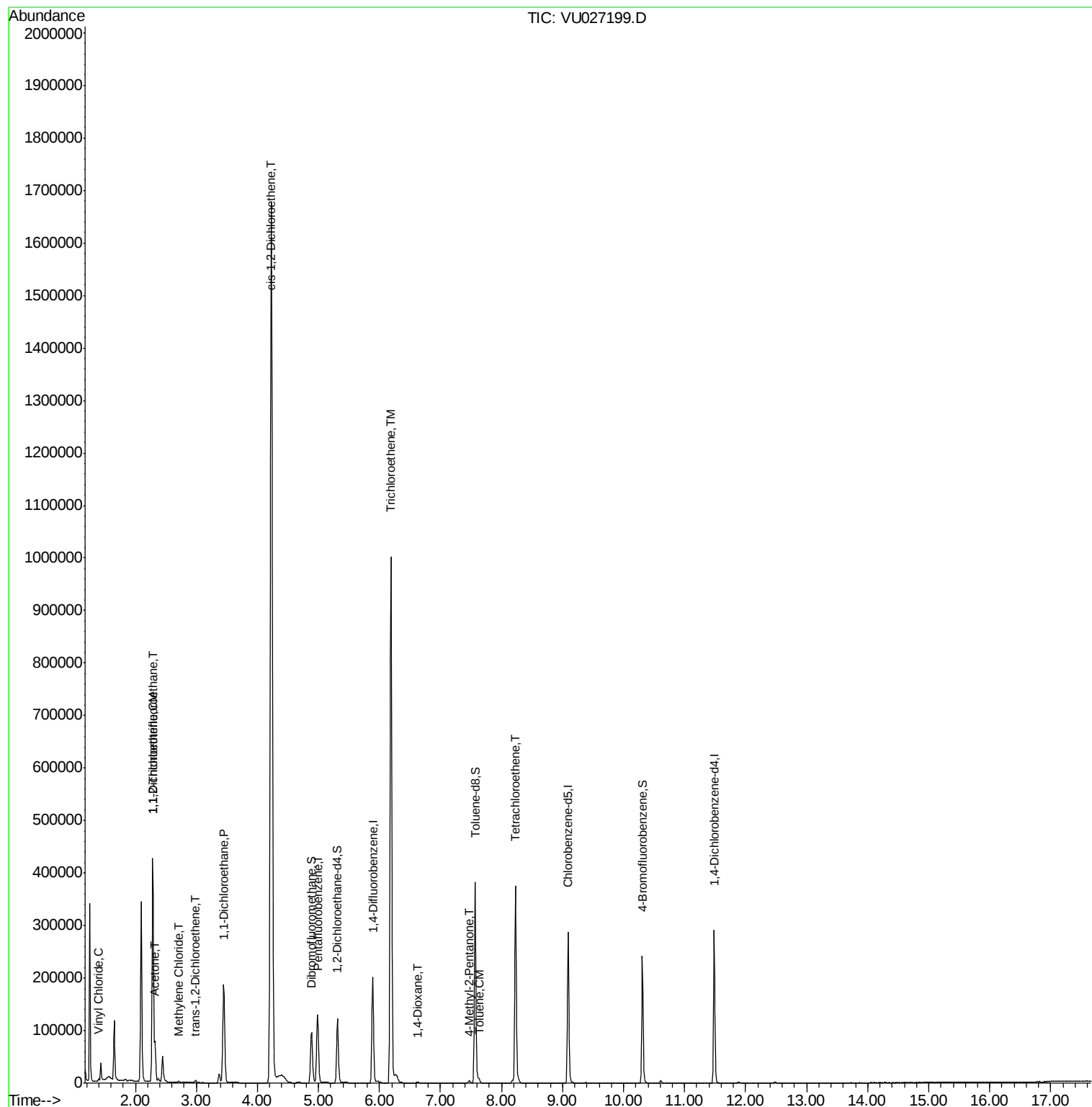
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2534	1.330	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	59680	44.852	ug/l	99
12) 1,1-Dichloroethene	2.29	96	79960	63.846	ug/l	98
16) Acetone	2.32	43	78756	69.244	ug/l	99
20) Methylene Chloride	2.70	84	1064	0.651	ug/l	86
21) trans-1,2-Dichloroethene	2.98	96	1554	1.162	ug/l	98
24) 1,1-Dichloroethane	3.45	63	208741	69.758	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	857679	567.979	ug/l	92
44) Trichloroethene	6.19	130	324964	243.667	ug/l	99
49) 1,4-Dioxane	6.62	88	1126	23.919	ug/l #	78
51) 4-Methyl-2-Pentanone	7.47	43	3796	1.387	ug/l	89
52) Toluene	7.64	92	823	0.229	ug/l	88
64) Tetrachloroethene	8.23	164	81214	71.144	ug/l	99

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

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QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

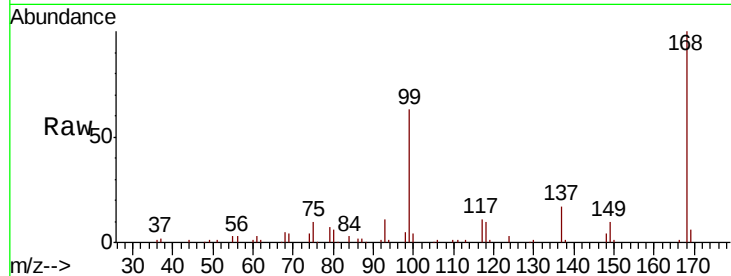
Instrument :
MSVOA_U
ClientSampleId :
MW-56-SEP18

Tot Ion:168 Resp: 90677

Ion Ratio Lower Upper

168 100

99 62.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

40000

30000

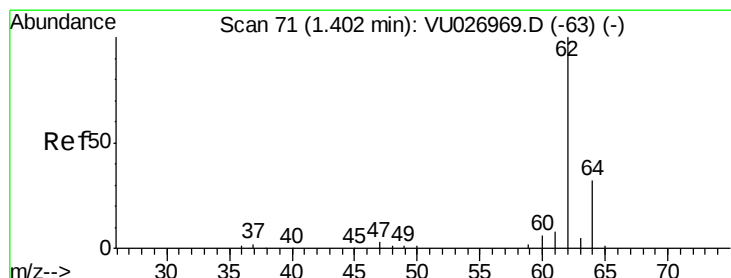
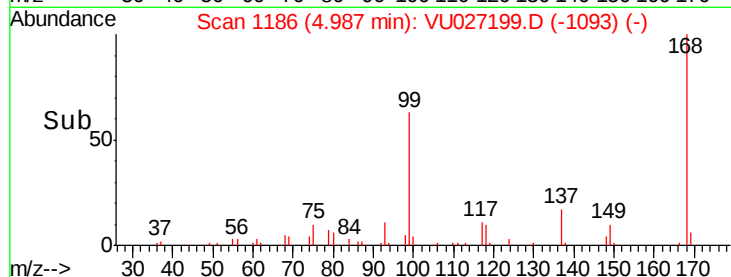
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#4

Vinyl Chloride

Concen: 1.330 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027199.D

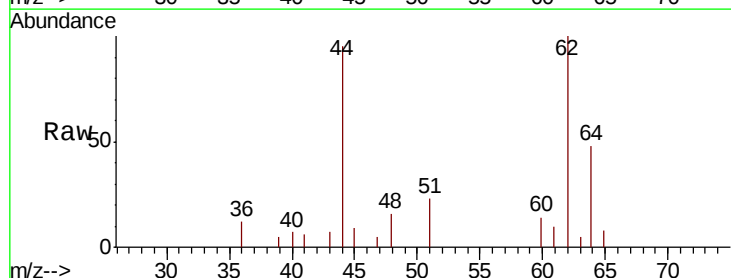
Acq: 27 Sep 2018 00:24

Tgt Ion: 62 Resp: 2534

Ion Ratio Lower Upper

62 100

64 33.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU026969.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU026969.D (-63) (-)

1.40

2500

2000

1500

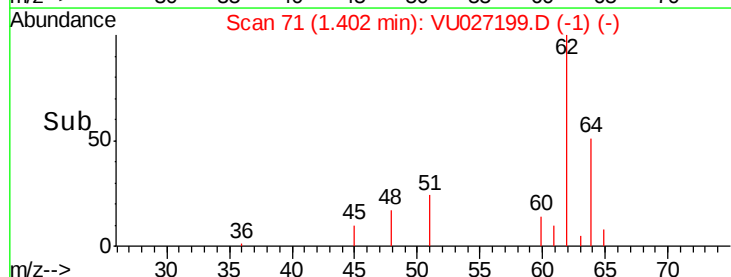
1000

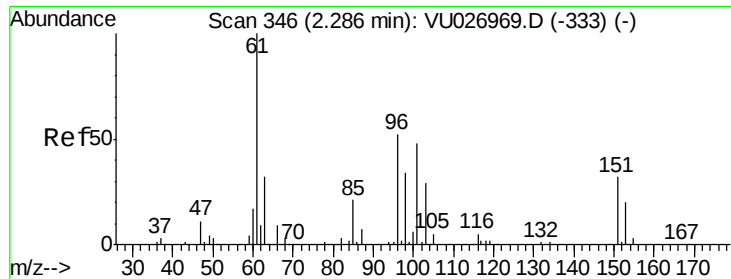
500

0

1.38 1.40 1.42

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.852 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

MW-56-SEP18

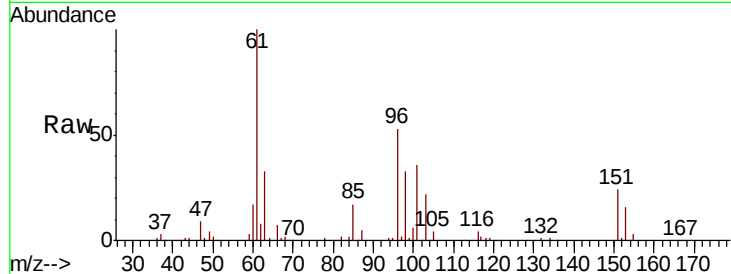
Tot Ion:101 Resp: 59680

Ion Ratio Lower Upper

101 100

85 46.4 36.2 54.2

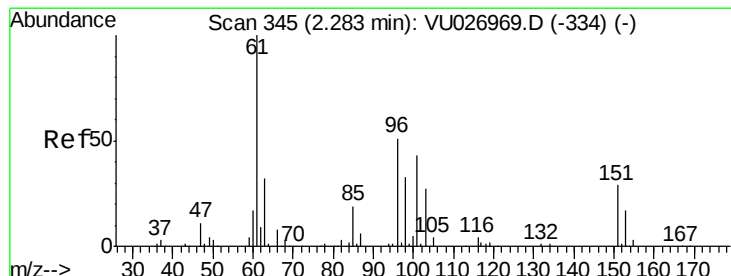
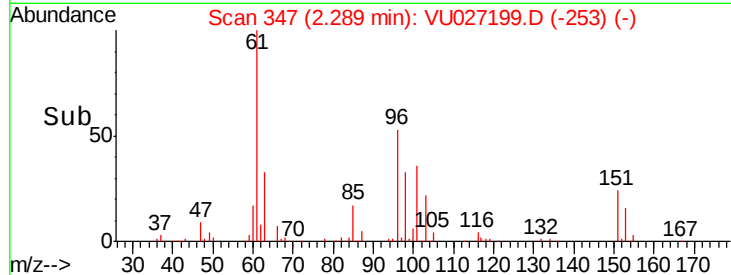
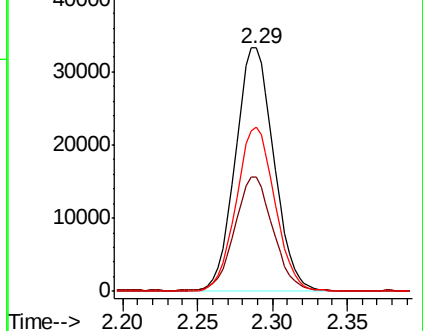
151 67.8 54.5 81.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 63.846 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

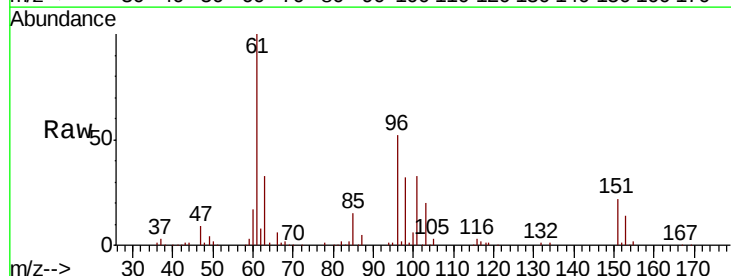
Tgt Ion: 96 Resp: 79960

Ion Ratio Lower Upper

96 100

61 192.5 156.1 234.1

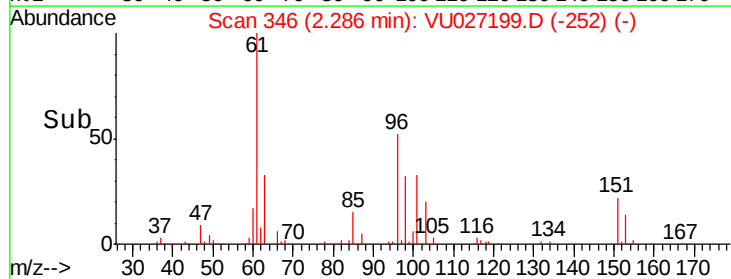
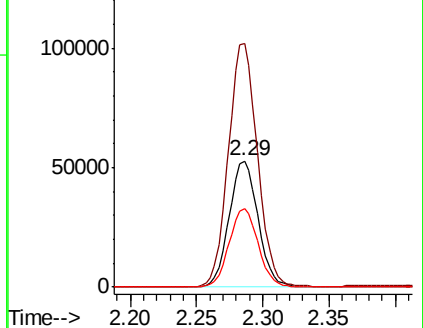
98 62.2 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#16

Acetone

Concen: 69.244 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

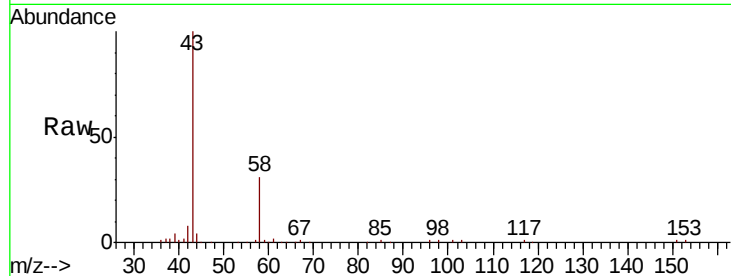
MW-56-SEP18

Tot Ion: 43 Resp: 78756

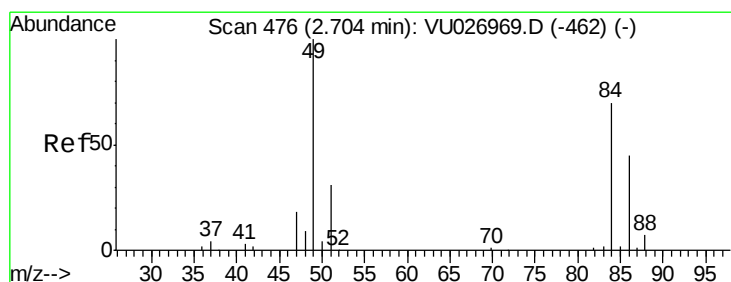
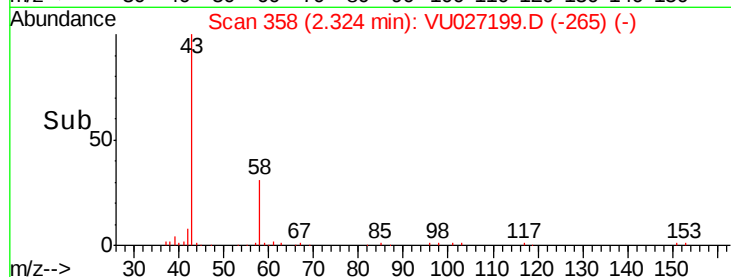
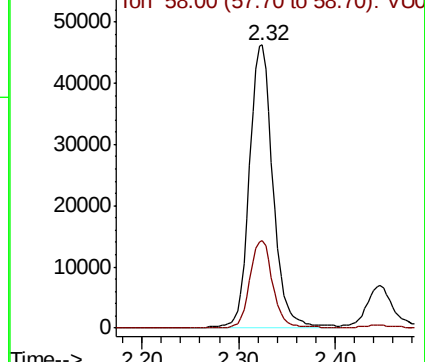
Ion Ratio Lower Upper

43 100

58 31.1 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-335) (-)



#20

Methylene Chloride

Concen: 0.651 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

Tgt Ion: 84 Resp: 1064

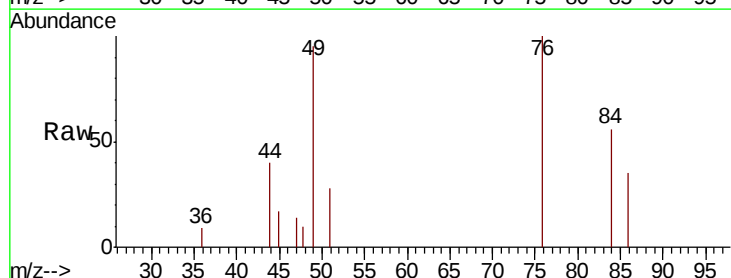
Ion Ratio Lower Upper

84 100

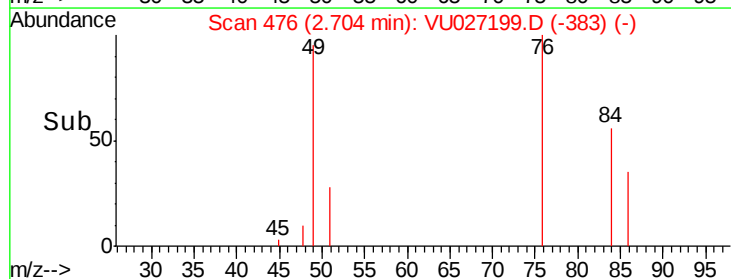
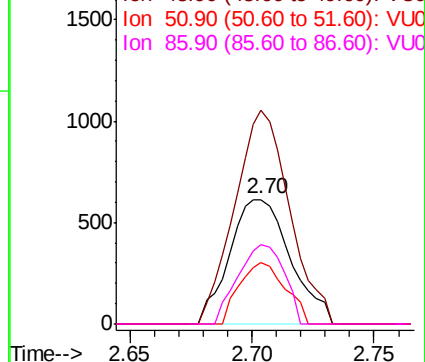
49 171.4 114.9 172.3

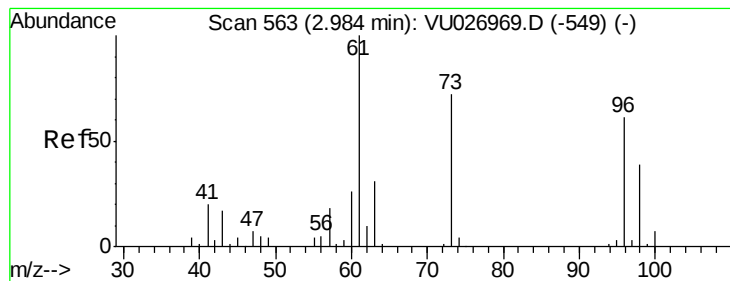
51 49.6 35.8 53.8

86 63.6 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VU026969.D (-462) (-)





#21

trans-1,2-Dichloroethene

Concen: 1.162 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

MW-56-SEP18

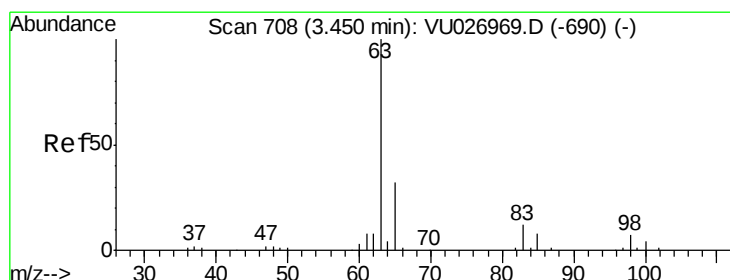
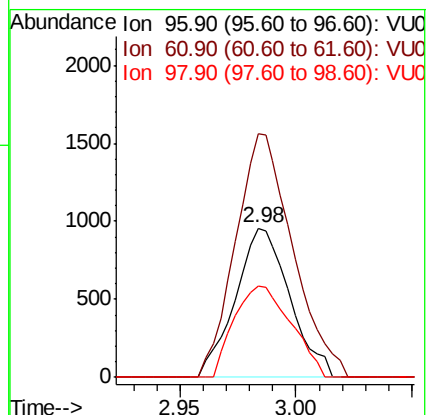
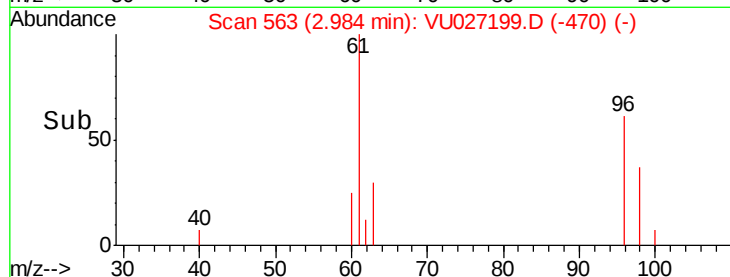
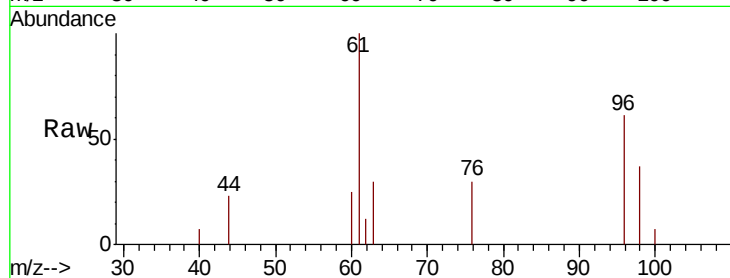
Tot Ion: 96 Resp: 1554

Ion Ratio Lower Upper

96 100

61 163.5 131.8 197.6

98 61.3 50.9 76.3



#24

1,1-Dichloroethane

Concen: 69.758 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

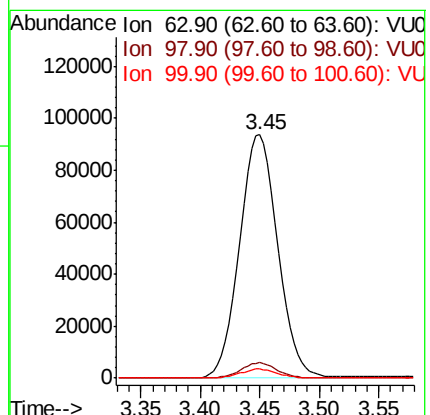
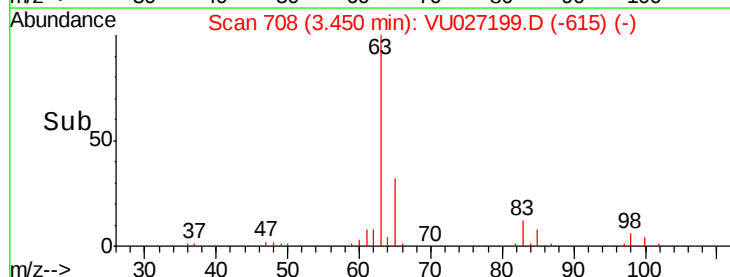
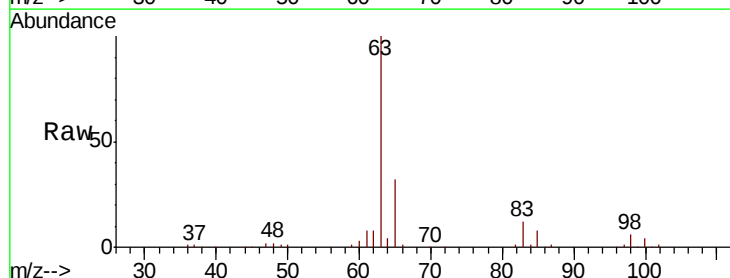
Tgt Ion: 63 Resp: 208741

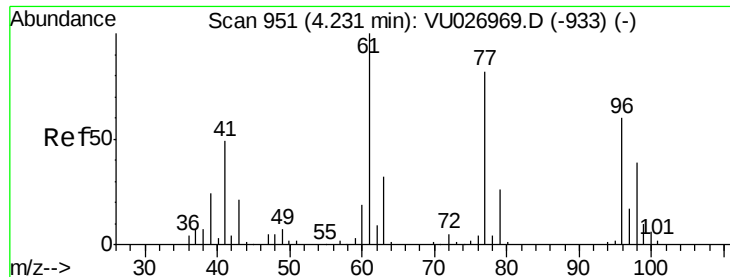
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 3.9 2.0 5.8



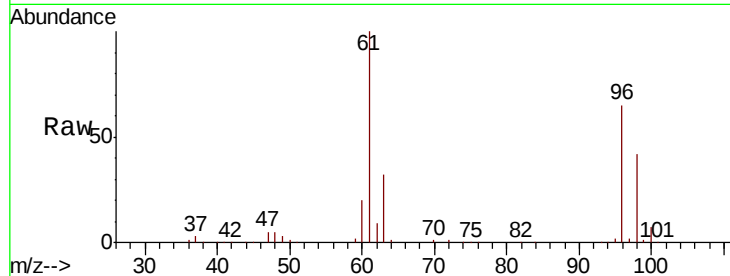


#27

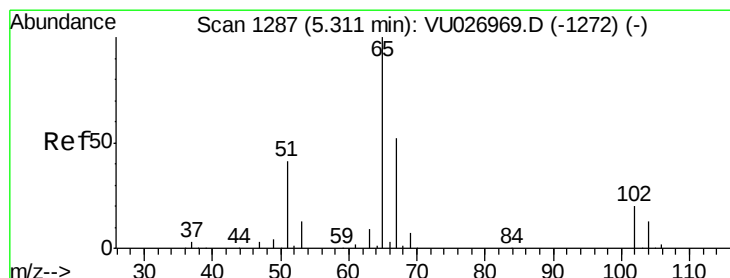
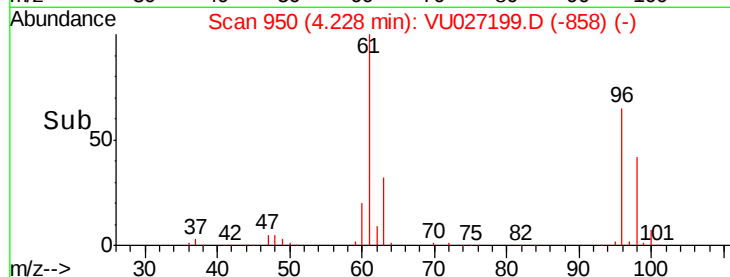
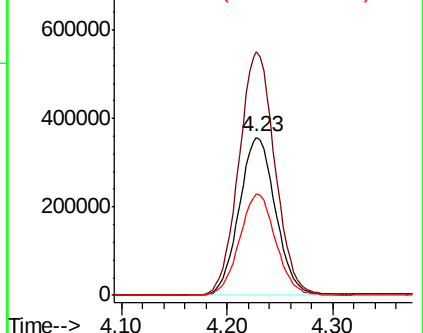
cis-1,2-Dichloroethene
 Concen: 567.979 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027199.D
 Acq: 27 Sep 2018 00:24

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-56-SEP18

Tot Ion	96	Resp	857679
Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	337.2
98	63.8	0.0	127.6



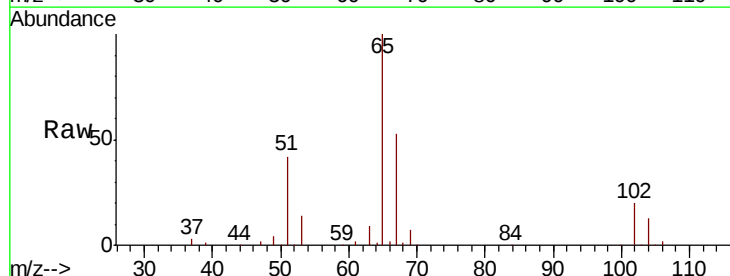
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



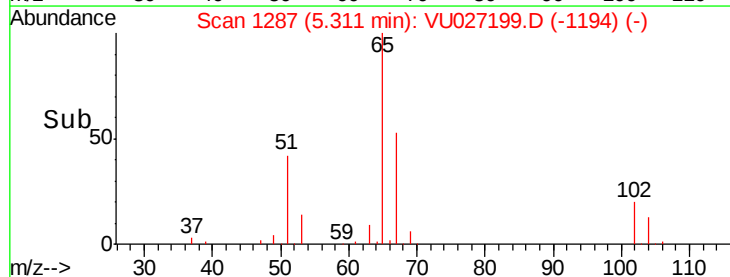
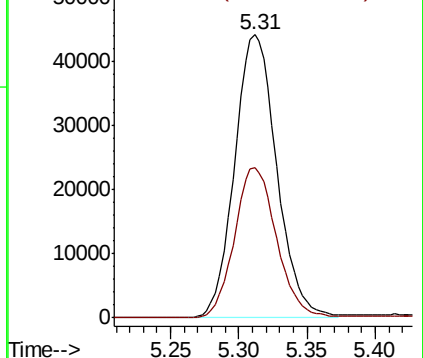
#33

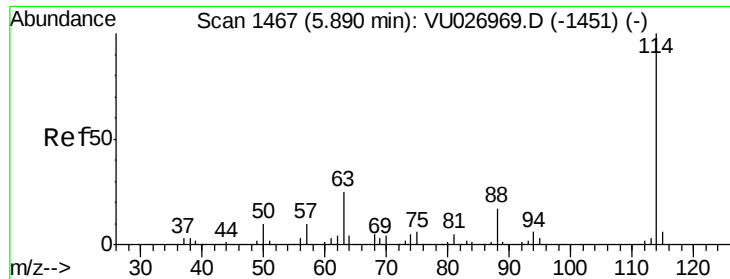
1,2-Dichloroethane-d4
 Concen: 51.845 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027199.D
 Acq: 27 Sep 2018 00:24

Tgt Ion	65	Resp	94618
Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
 Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

MW-56-SEP18

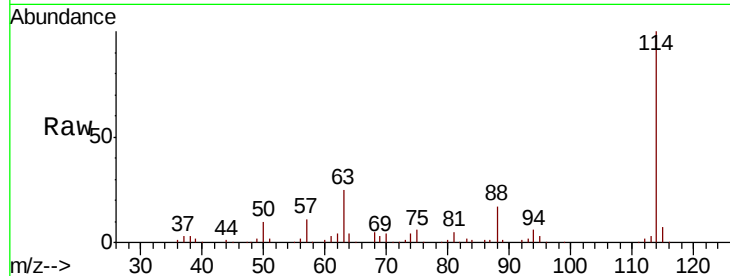
Tot Ion:114 Resp: 154403

Ion Ratio Lower Upper

114 100

63 25.2 0.0 49.2

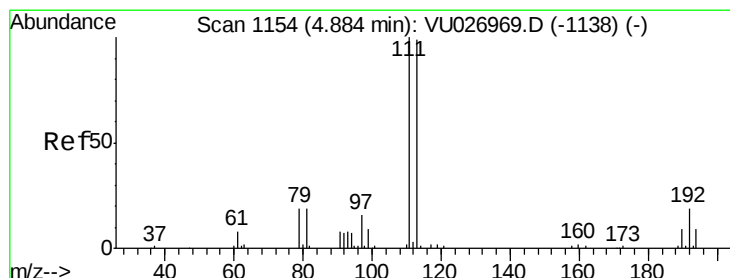
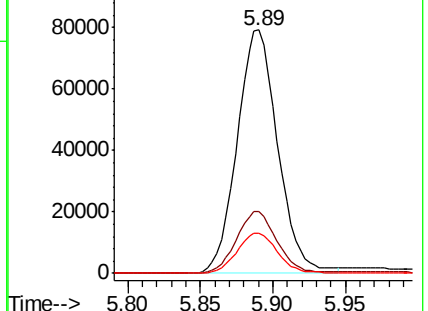
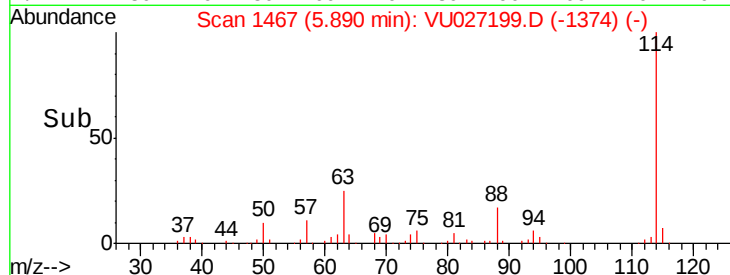
88 16.6 0.0 33.8



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: 49.020 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

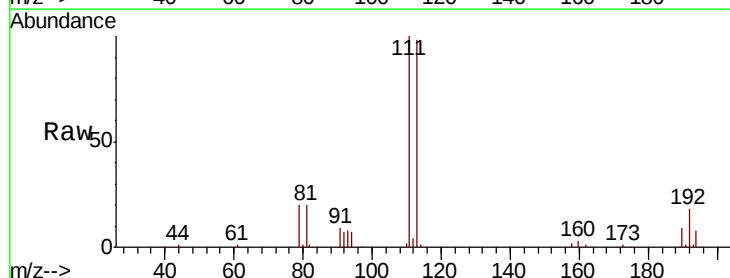
Tgt Ion:113 Resp: 65607

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

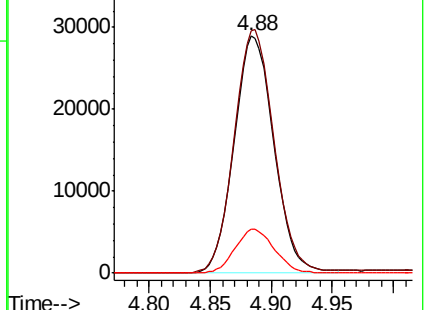
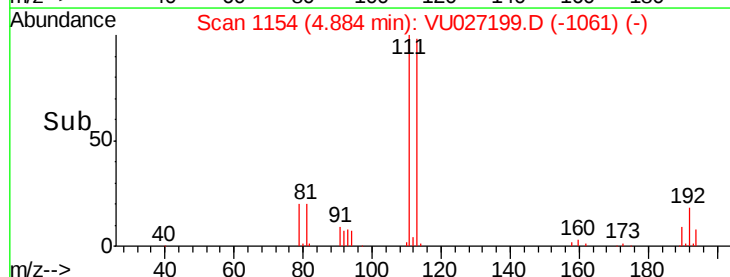
192 18.2 15.2 22.8

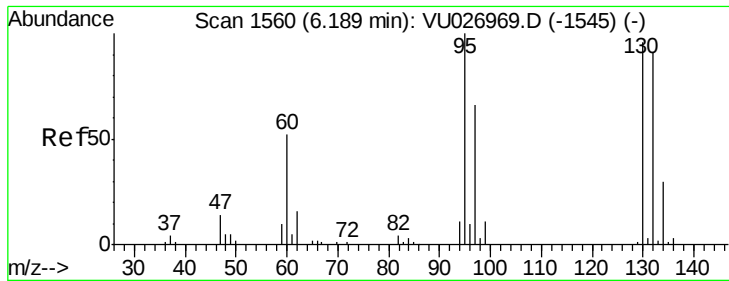


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 243.667 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

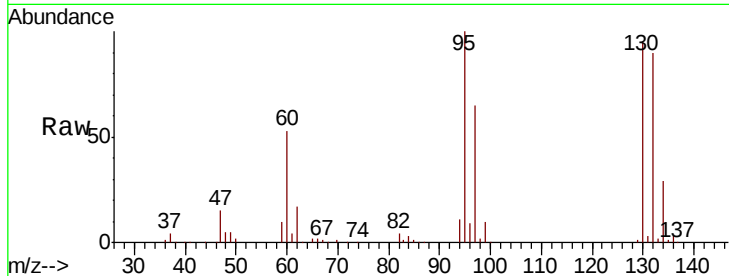
MW-56-SEP18

Tot Ion:130 Resp: 324964

Ion Ratio Lower Upper

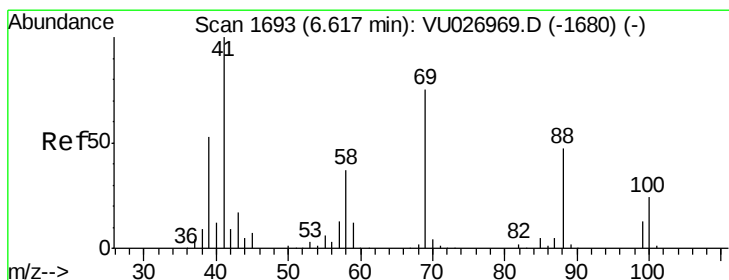
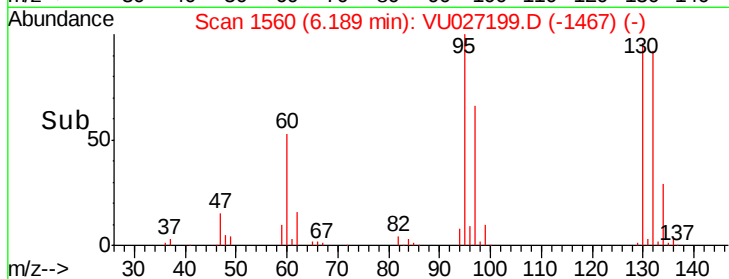
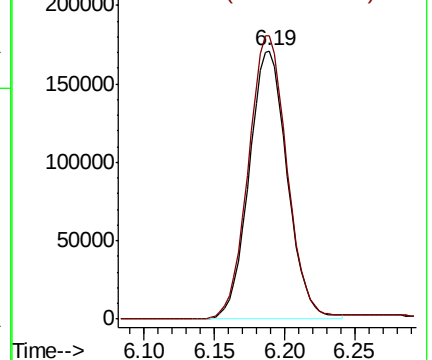
130 100

95 105.6 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#49

1,4-Dioxane

Concen: 23.919 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

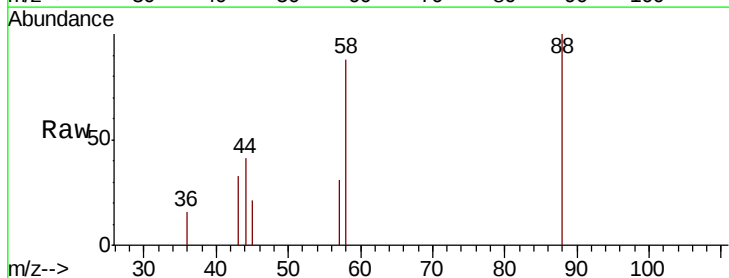
Tgt Ion: 88 Resp: 1126

Ion Ratio Lower Upper

88 100

43 20.9 29.8 44.8#

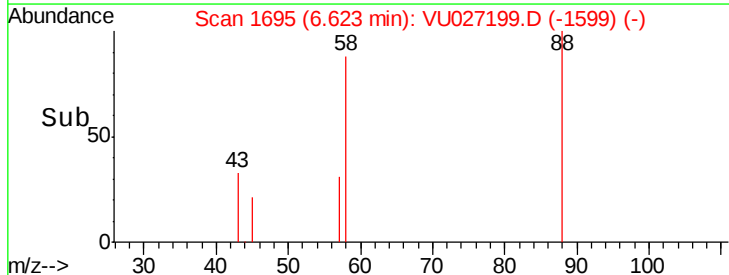
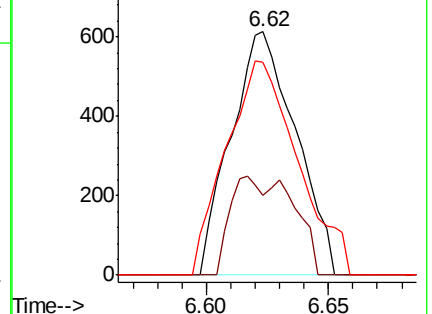
58 97.5 63.9 95.9#

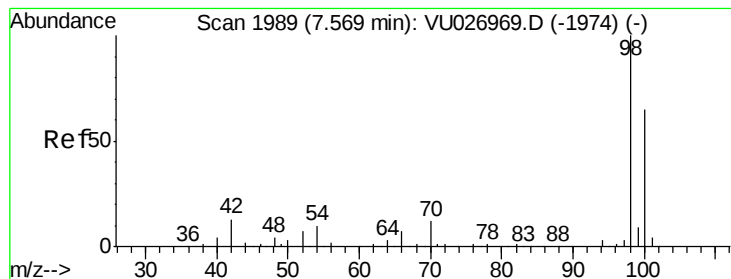


Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#50

Toluene-d8

Concen: 48.867 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

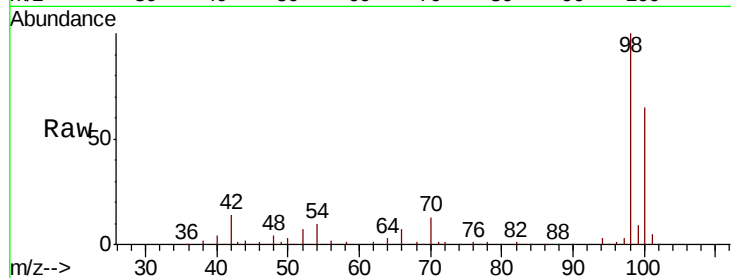
MW-56-SEP18

Tot Ion: 98 Resp: 249249

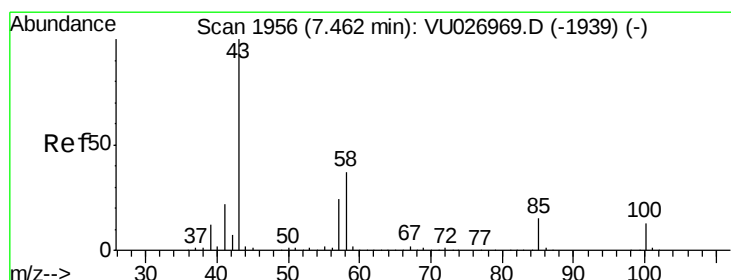
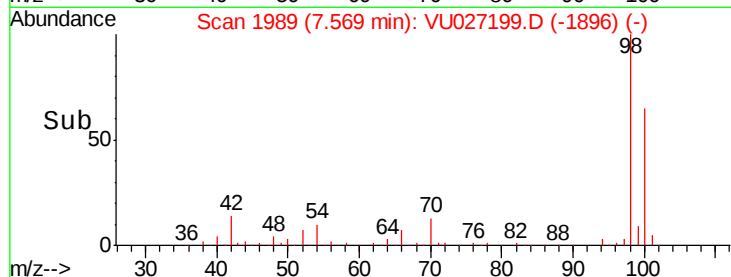
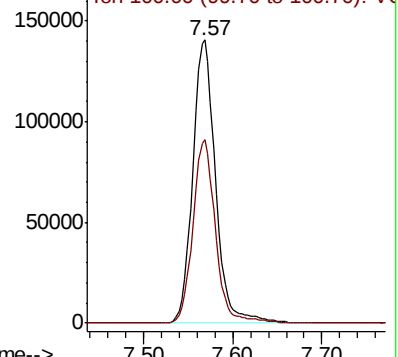
Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.387 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU027199.D

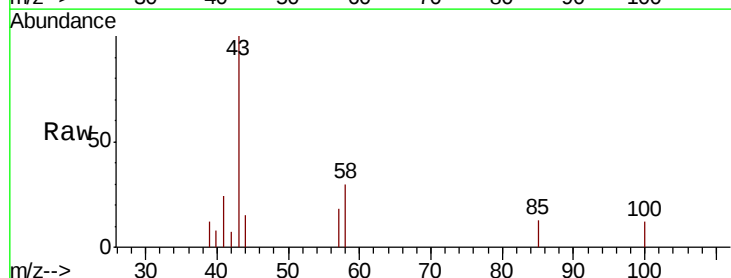
Acq: 27 Sep 2018 00:24

Tgt Ion: 43 Resp: 3796

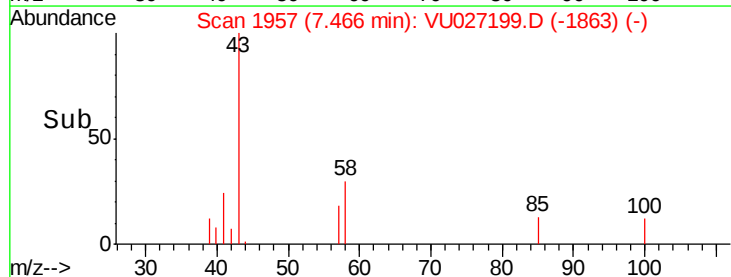
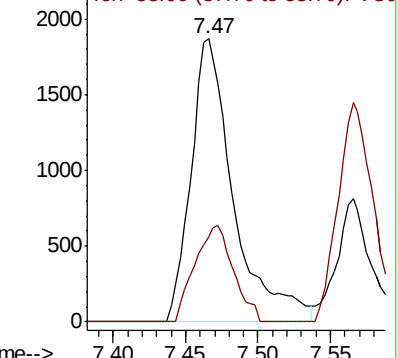
Ion Ratio Lower Upper

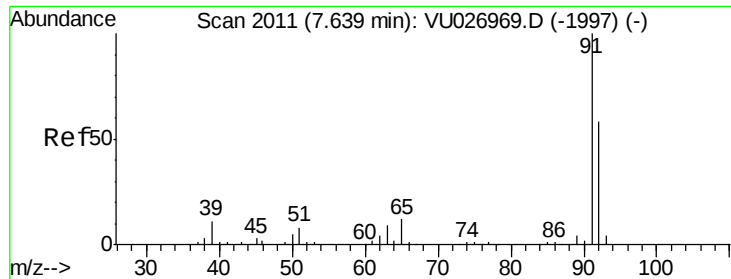
43 100

58 30.7 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)





#52

Toluene

Concen: 0.229 ug/l

RT: 7.64 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

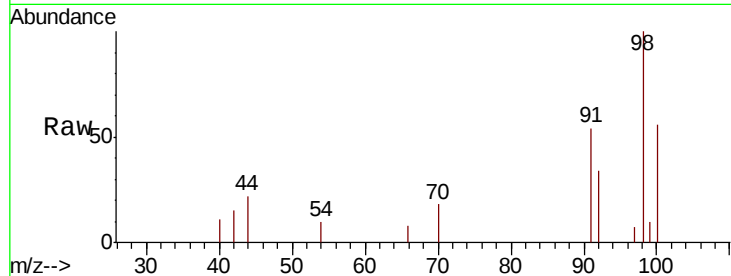
MW-56-SEP18

Tot Ion: 92 Resp: 823

Ion Ratio Lower Upper

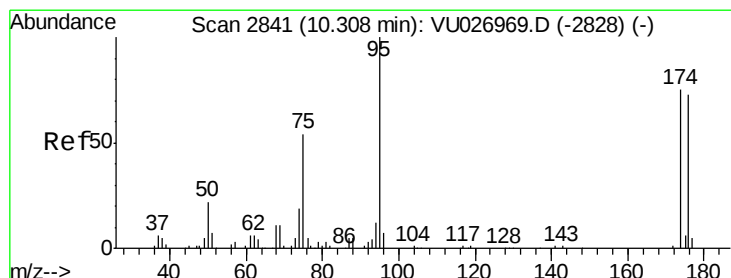
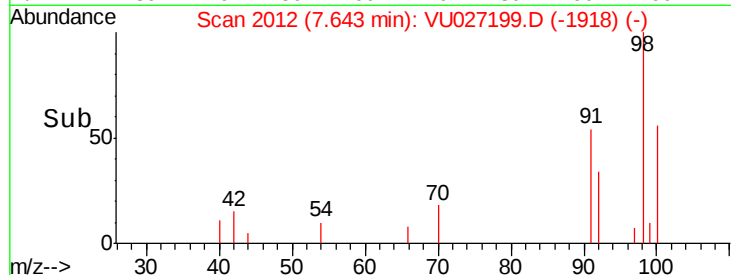
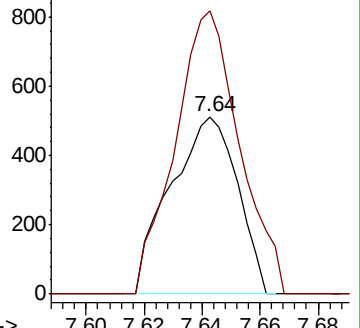
92 100

91 153.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 45.461 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

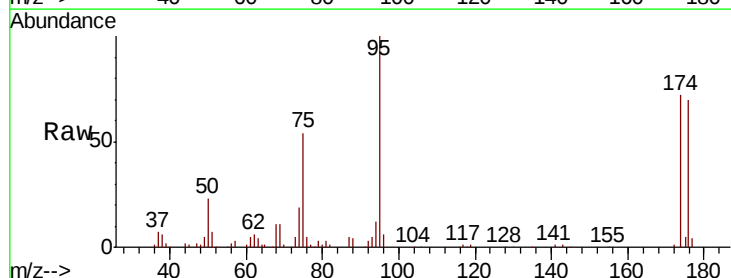
Tgt Ion: 95 Resp: 79565

Ion Ratio Lower Upper

95 100

174 73.6 0.0 150.2

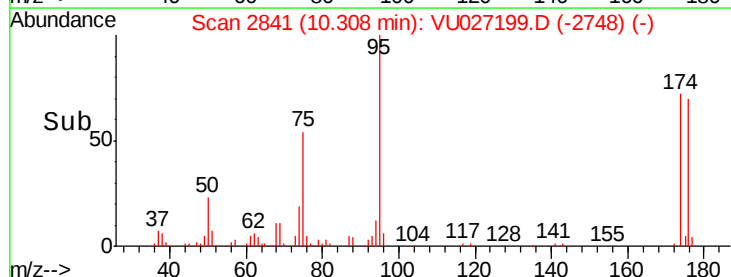
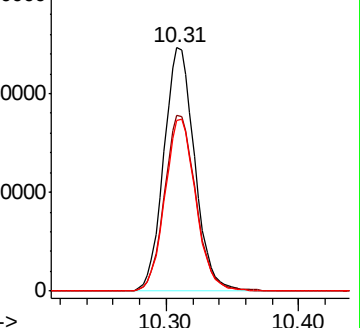
176 71.0 0.0 145.2

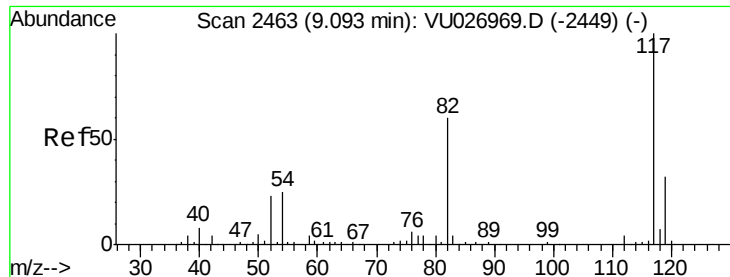


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

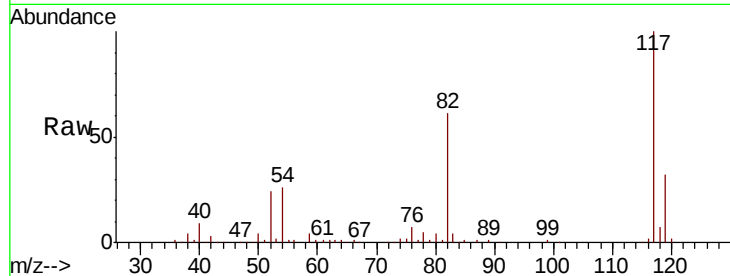




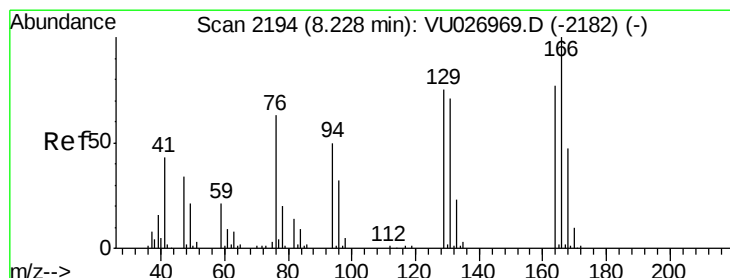
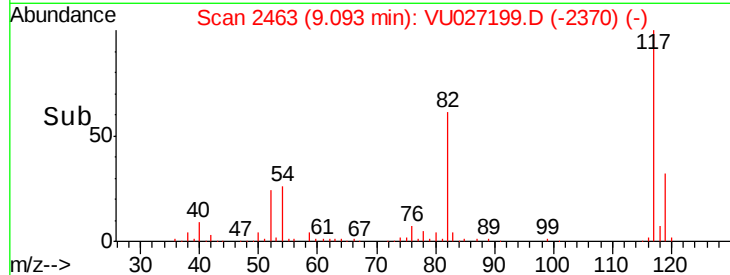
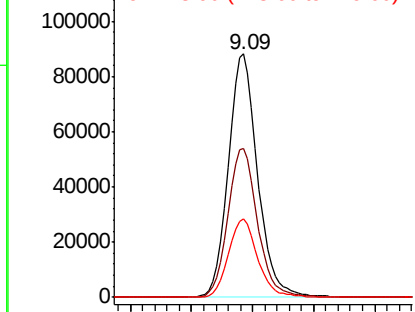
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027199.D
Acq: 27 Sep 2018 00:24

Instrument :
MSVOA_U
ClientSampleId :
MW-56-SEP18

Tot Ion:117 Resp: 148142
Ion Ratio Lower Upper
117 100
82 61.4 48.0 72.0
119 32.2 25.8 38.8

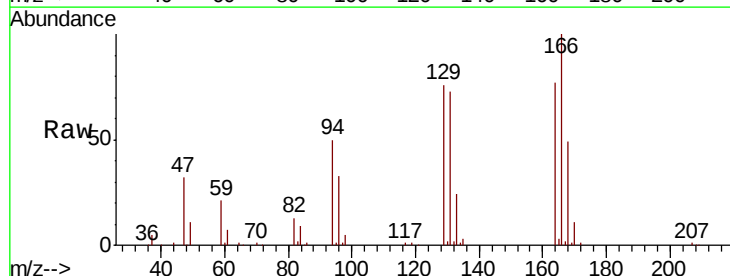


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

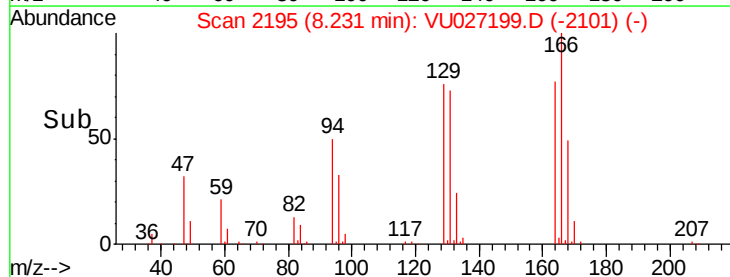
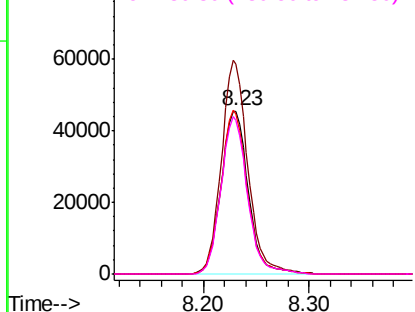


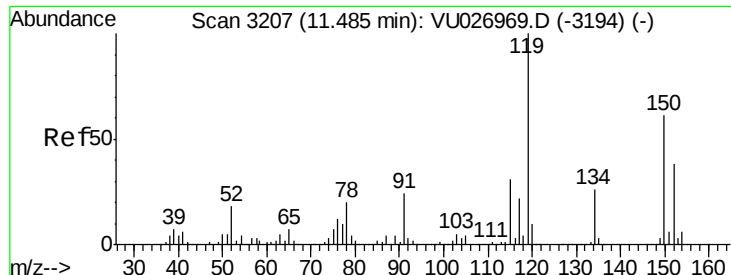
#64
Tetrachloroethene
Concen: 71.144 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027199.D
Acq: 27 Sep 2018 00:24

Tgt Ion:164 Resp: 81214
Ion Ratio Lower Upper
164 100
166 129.3 104.4 156.6
129 98.6 78.7 118.1
131 94.3 73.9 110.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027199.D

Acq: 27 Sep 2018 00:24

Instrument :

MSVOA_U

ClientSampleId :

MW-56-SEP18

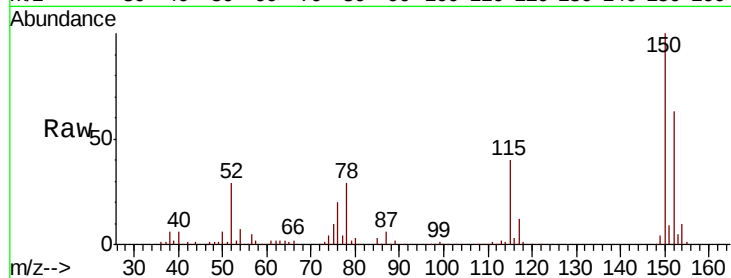
Tot Ion:152 Resp: 68117

Ion Ratio Lower Upper

152 100

115 62.2 44.9 134.5

150 160.0 0.0 355.8



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

