

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027181.D
 Acq On : 26 Sep 2018 16:37
 Operator : MD/SY
 Sample : J5049-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-41-SEP18

Quant Time: Sep 27 02:26:51 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	92100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	153565	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	150773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72347	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	96141	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
35) Dibromofluoromethane	4.89	113	65794	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	7.57	98	250364	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	10.31	95	85195	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	

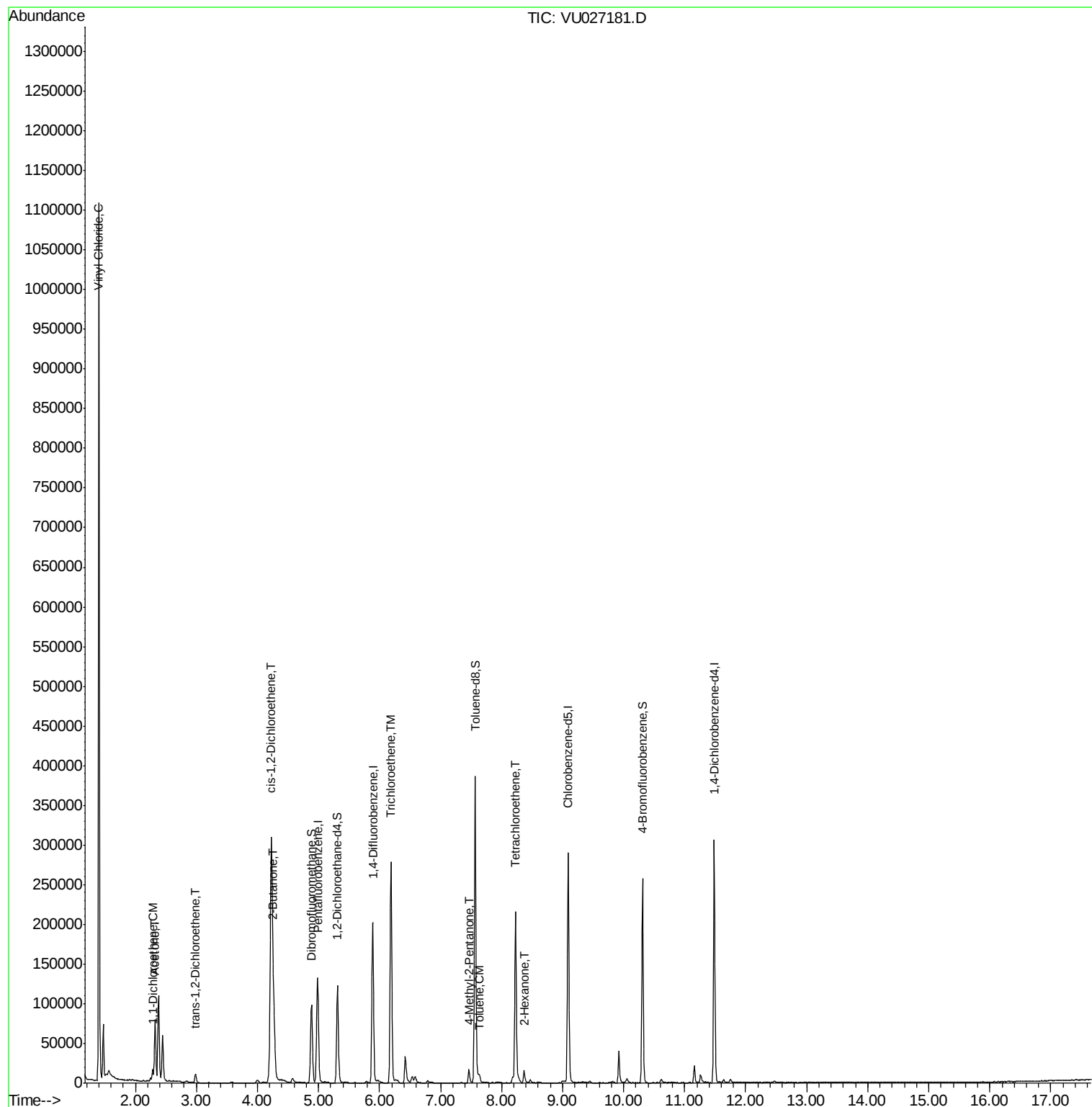
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	700347	361.890	ug/l	100
12) 1,1-Dichloroethene	2.29	96	4880	3.836	ug/l	95
16) Acetone	2.32	43	83845	73.435	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	4127	3.039	ug/l	97
25) 2-Butanone	4.27	43	153350	98.440	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	157016	102.374	ug/l	91
44) Trichloroethene	6.19	130	90686	68.370	ug/l	97
51) 4-Methyl-2-Pentanone	7.47	43	13266	4.875	ug/l	90
52) Toluene	7.64	92	1918	0.537	ug/l	89
59) 2-Hexanone	8.37	43	12453	5.846	ug/l	95
64) Tetrachloroethene	8.23	164	46464	39.993	ug/l	97

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

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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: VU027181.D

Acq: 26 Sep 2018 16:37

Instrument :

MSVOA_U

ClientSampleId :

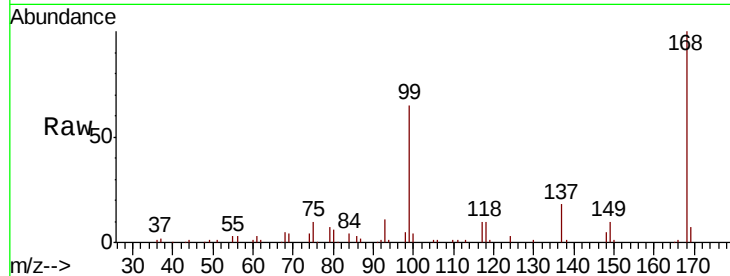
MW-41-SEP18

Tot Ion:168 Resp: 92100

Ion Ratio Lower Upper

168 100

99 64.9 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

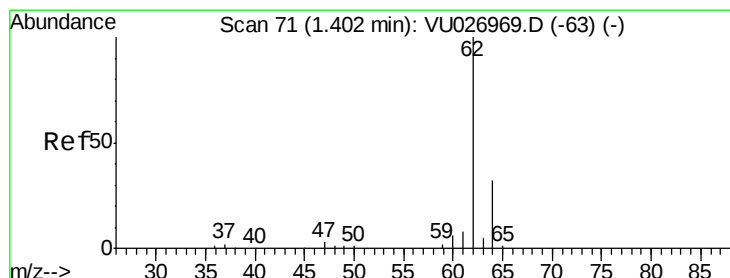
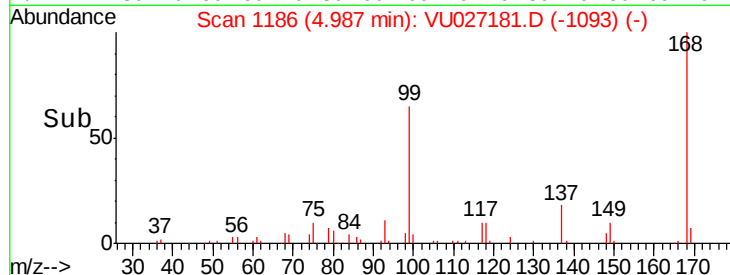
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#4

Vinyl Chloride

Concen: 361.890 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027181.D

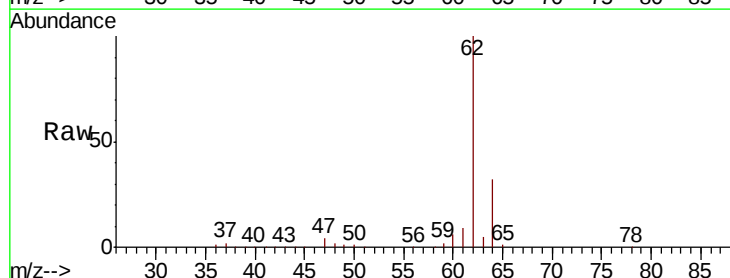
Acq: 26 Sep 2018 16:37

Tgt Ion: 62 Resp: 700347

Ion Ratio Lower Upper

62 100

64 31.7 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

800000

600000

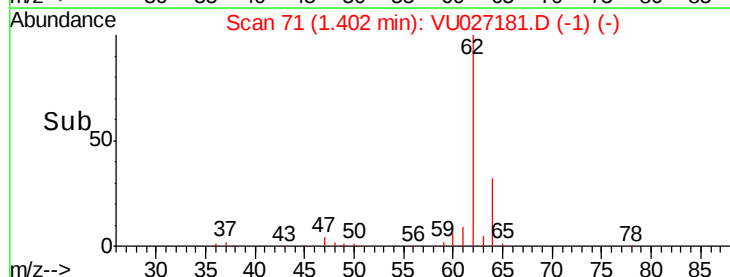
400000

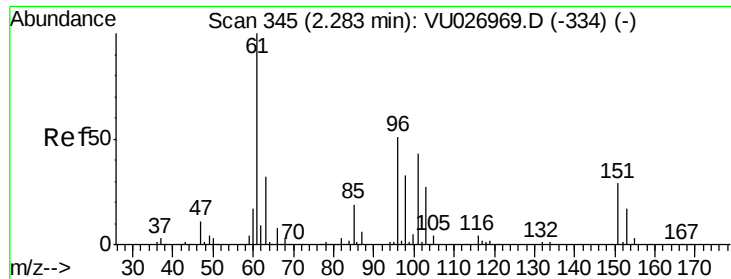
200000

0

1.35 1.40 1.45

Time-->

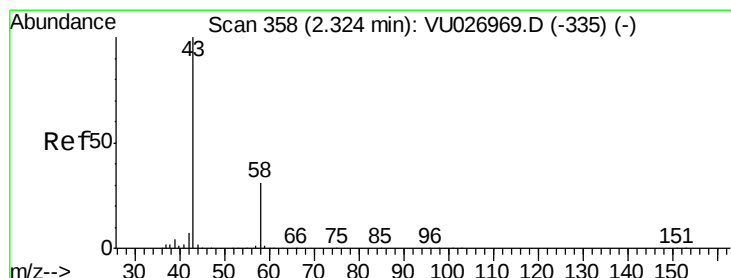
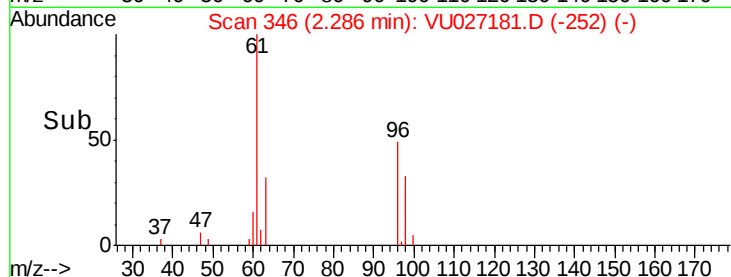
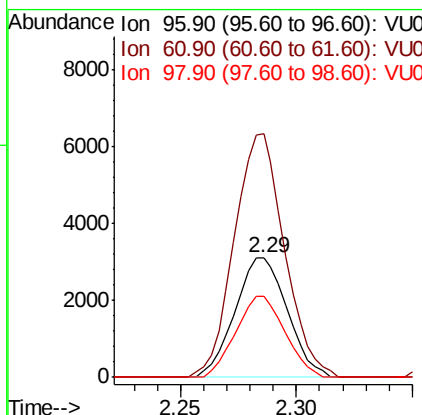
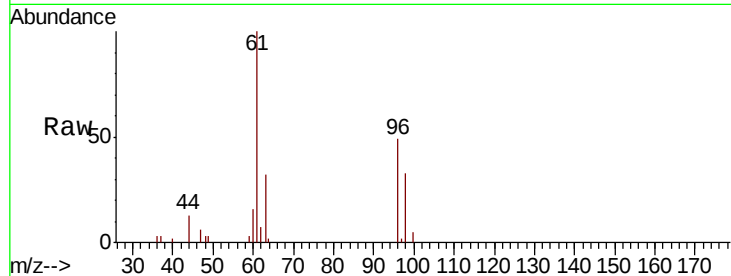




#12
 1,1-Dichloroethene
 Concen: 3.836 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027181.D
 Acq: 26 Sep 2018 16:37

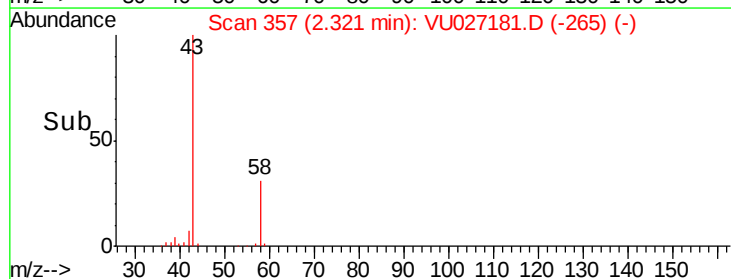
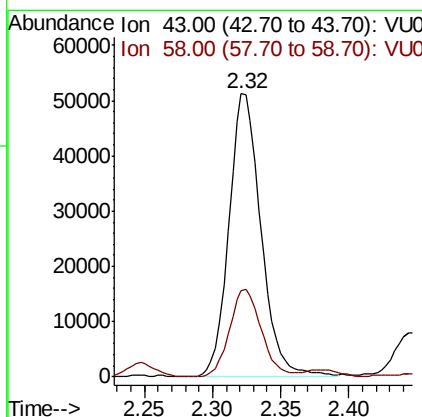
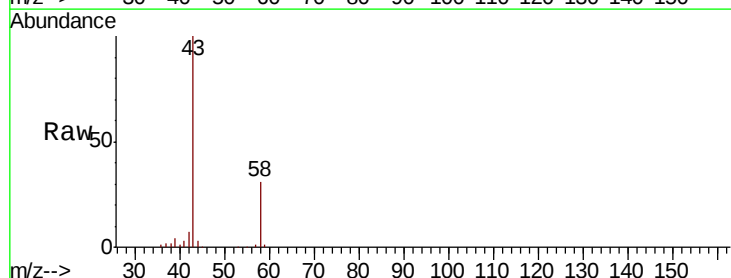
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-41-SEP18

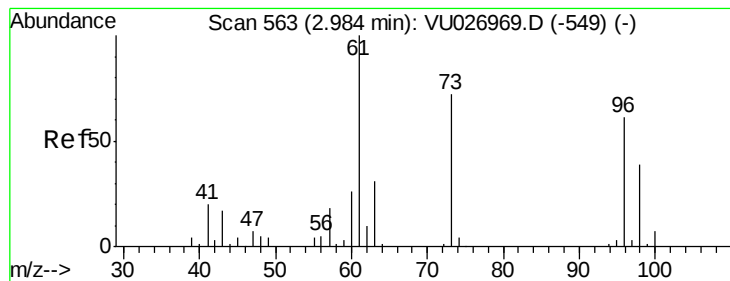
Tot Ion: 96 Resp: 4880
 Ion Ratio Lower Upper
 96 100
 61 203.0 156.1 234.1
 98 67.5 51.4 77.0



#16
 Acetone
 Concen: 73.435 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027181.D
 Acq: 26 Sep 2018 16:37

Tgt Ion: 43 Resp: 83845
 Ion Ratio Lower Upper
 43 100
 58 30.6 24.6 36.8





#21

trans-1,2-Dichloroethene

Concen: 3.039 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027181.D

Acq: 26 Sep 2018 16:37

Instrument :

MSVOA_U

ClientSampleId :

MW-41-SEP18

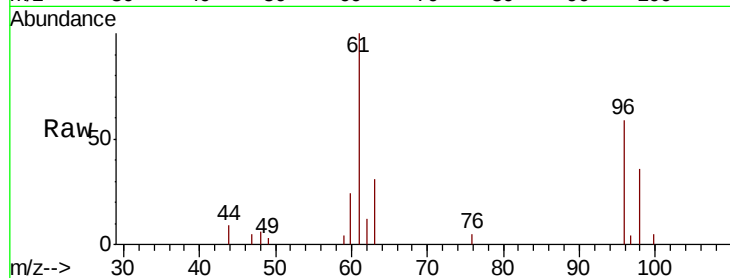
Tot Ion: 96 Resp: 4127

Ion Ratio Lower Upper

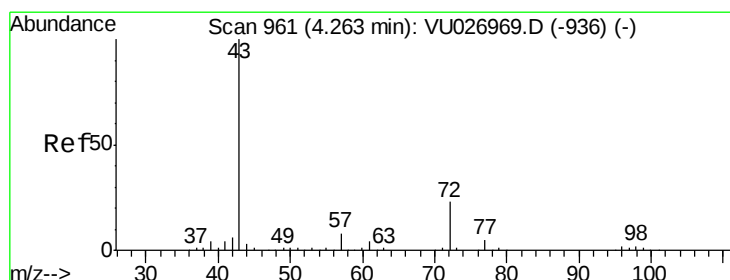
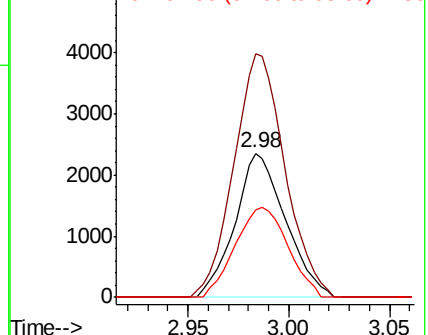
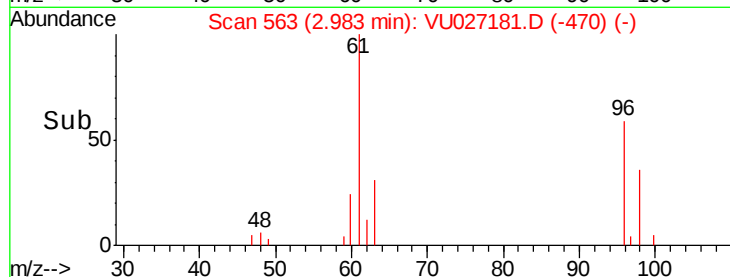
96 100

61 168.6 131.8 197.6

98 60.8 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VU027181.D (-470) (-)



#25

2-Butanone

Concen: 98.440 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027181.D

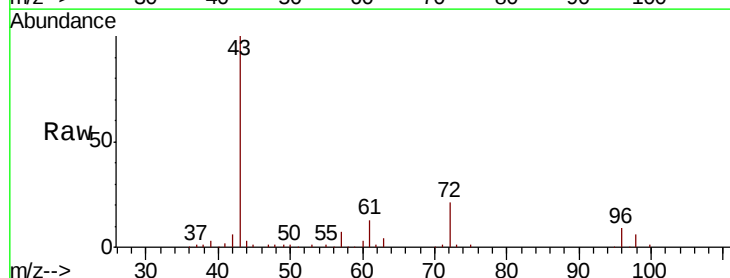
Acq: 26 Sep 2018 16:37

Tgt Ion: 43 Resp: 153350

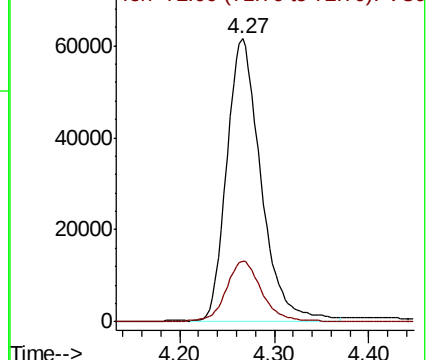
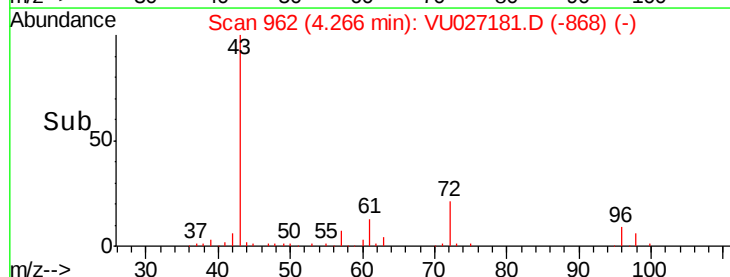
Ion Ratio Lower Upper

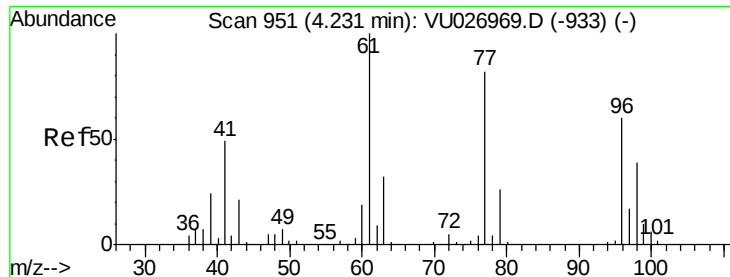
43 100

72 21.2 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.30): VU027181.D (-868) (-)

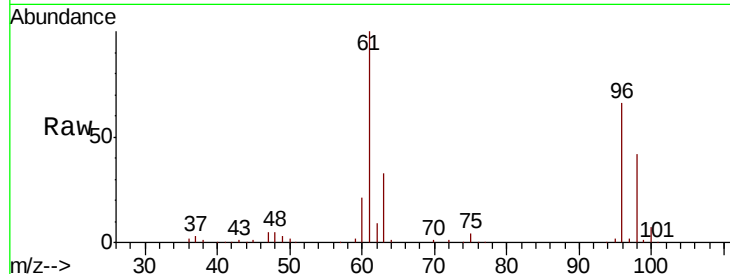




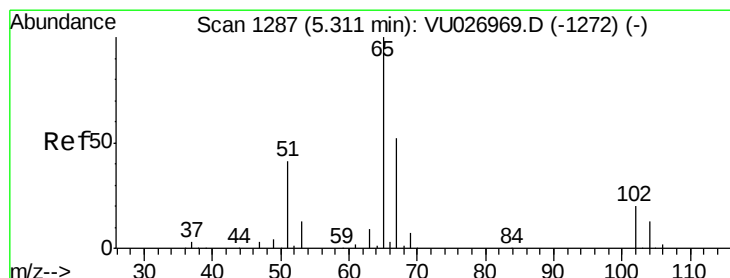
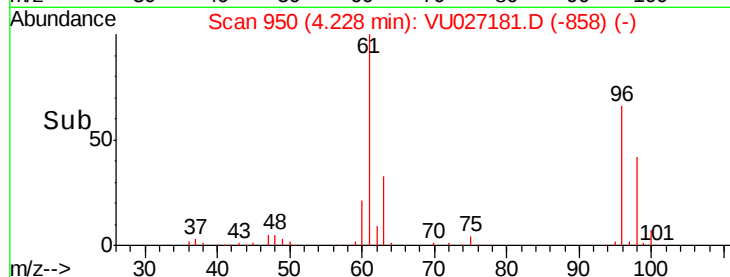
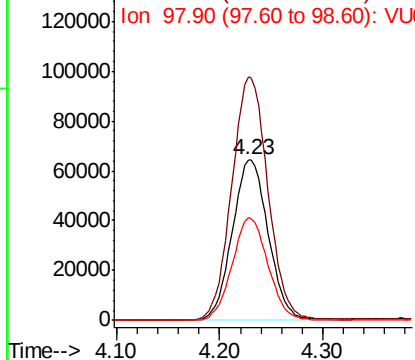
#27
 cis-1,2-Dichloroethene
 Concen: 102.374 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027181.D
 Acq: 26 Sep 2018 16:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-41-SEP18

Tot Ion: 96 Resp: 157016
 Ion Ratio Lower Upper
 96 100
 61 152.6 0.0 337.2
 98 63.5 0.0 127.6

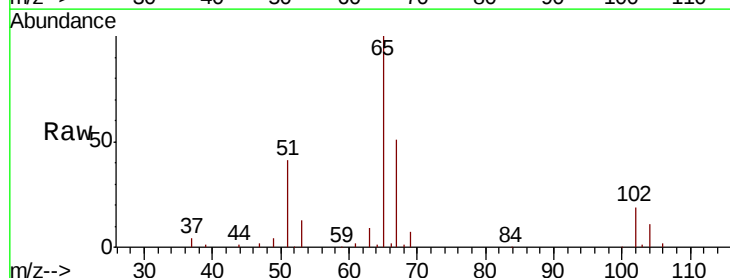


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

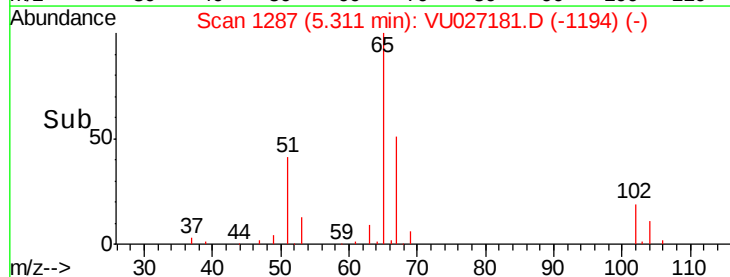
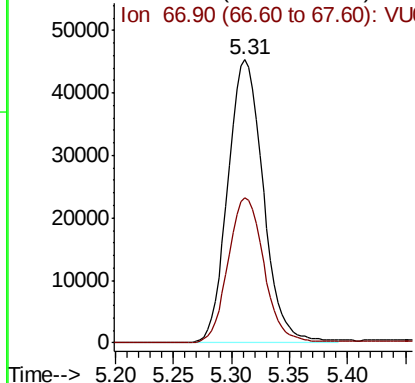


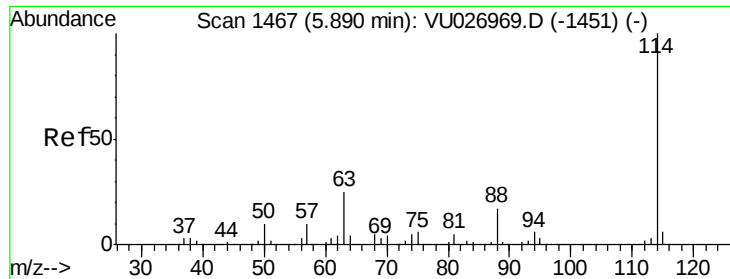
#33
 1,2-Dichloroethane-d4
 Concen: 51.865 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027181.D
 Acq: 26 Sep 2018 16:37

Tgt Ion: 65 Resp: 96141
 Ion Ratio Lower Upper
 65 100
 67 51.8 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: VU027181.D

Acq: 26 Sep 2018 16:37

Instrument :

MSVOA_U

ClientSampleId :

MW-41-SEP18

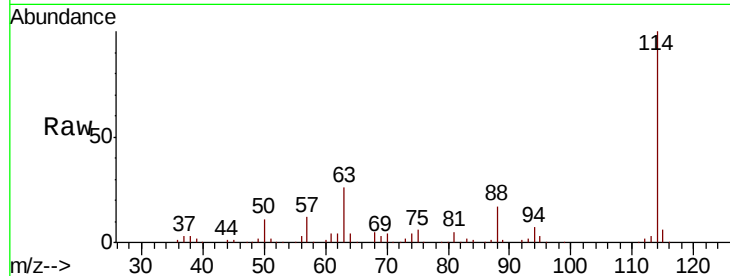
Tot Ion:114 Resp: 153565

Ion Ratio Lower Upper

114 100

63 26.1 0.0 49.2

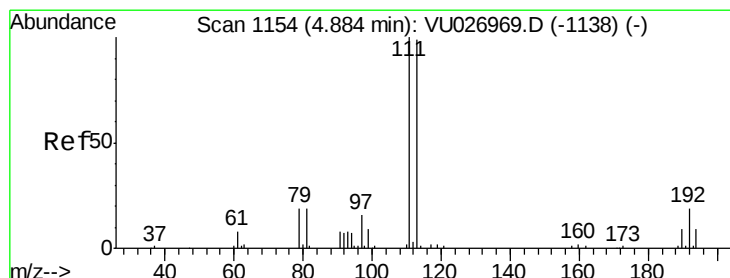
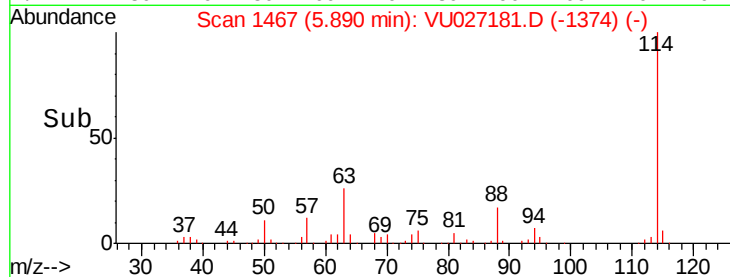
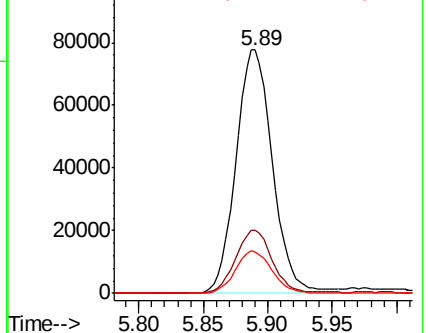
88 17.2 0.0 33.8



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: 49.428 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027181.D

Acq: 26 Sep 2018 16:37

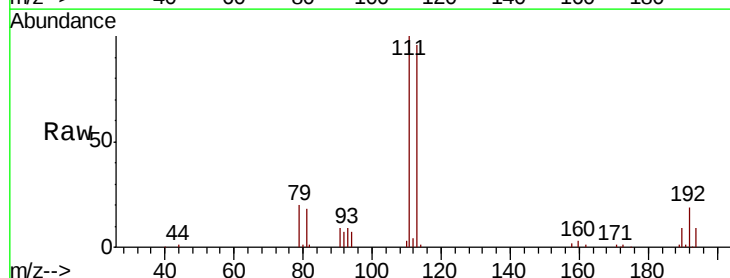
Tgt Ion:113 Resp: 65794

Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

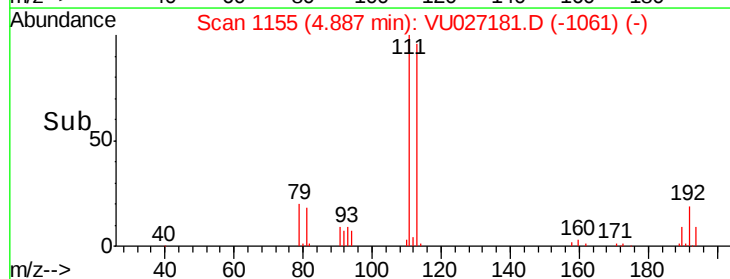
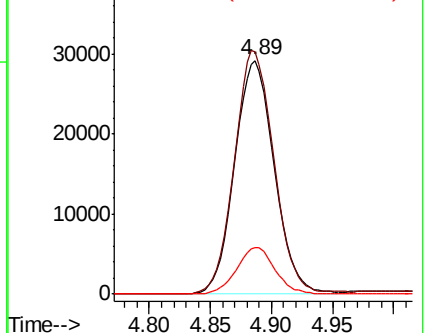
192 18.9 15.2 22.8

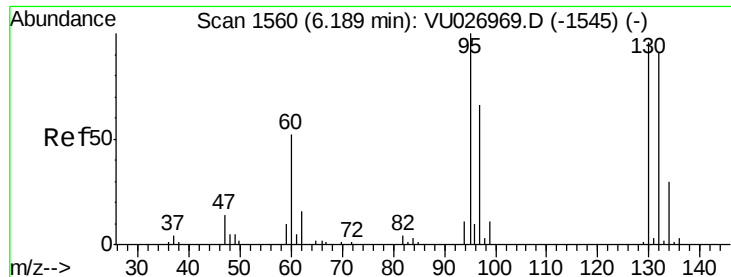


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 68.370 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU027181.D

Acq: 26 Sep 2018 16:37

Instrument :

MSVOA_U

ClientSampleId :

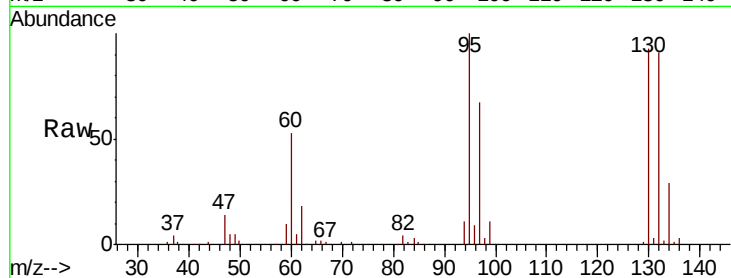
MW-41-SEP18

Tot Ion:130 Resp: 90686

Ion Ratio Lower Upper

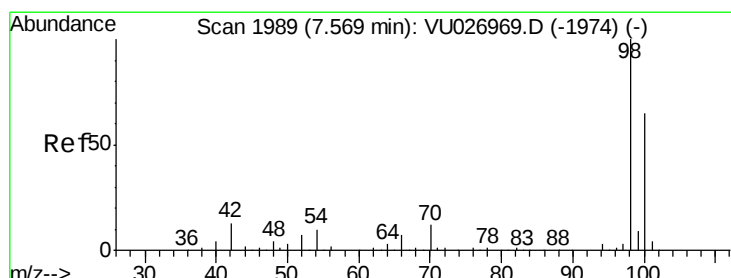
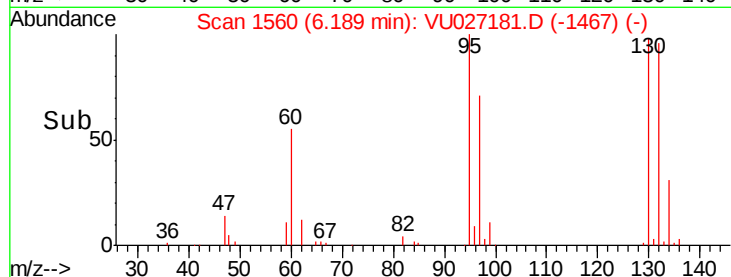
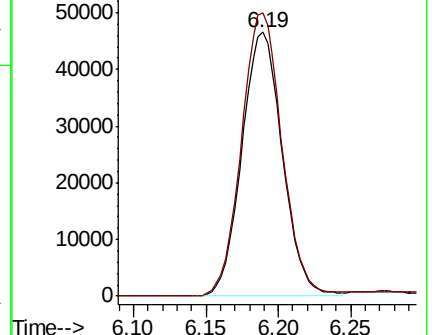
130 100

95 107.2 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU026969.D (-1545) (-)



#50

Toluene-d8

Concen: 49.353 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VU027181.D

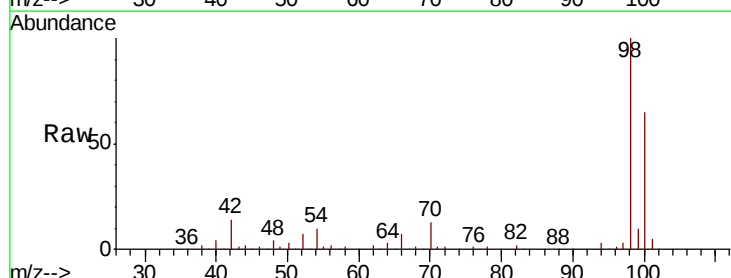
Acq: 26 Sep 2018 16:37

Tgt Ion: 98 Resp: 250364

Ion Ratio Lower Upper

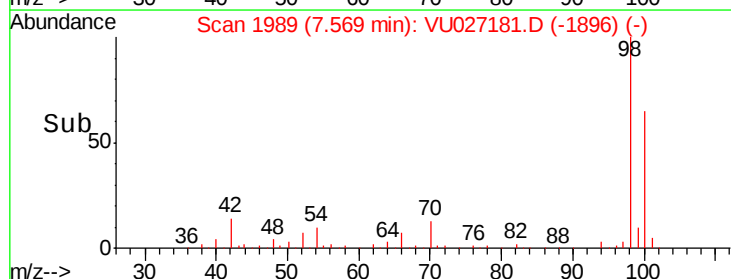
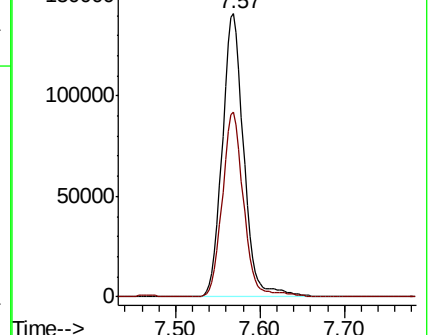
98 100

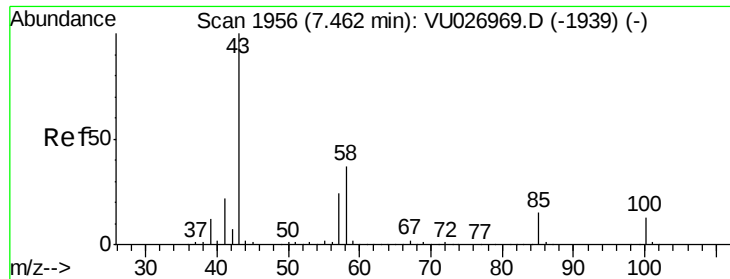
100 64.9 52.1 78.1



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

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)





#51

4-Methyl-2-Pentanone

Concen: 4.875 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU027181.D

Acq: 26 Sep 2018 16:37

Instrument :

MSVOA_U

ClientSampleId :

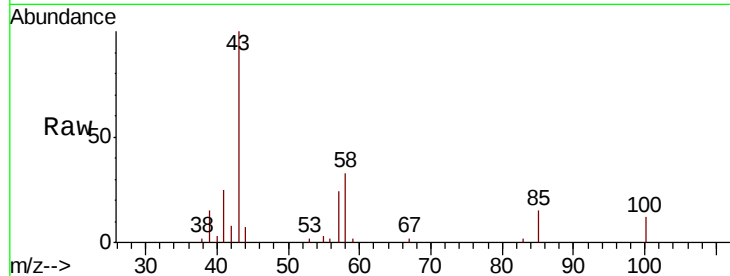
MW-41-SEP18

Tot Ion: 43 Resp: 13266

Ion Ratio Lower Upper

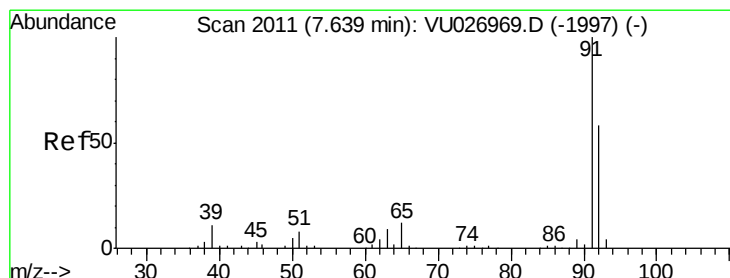
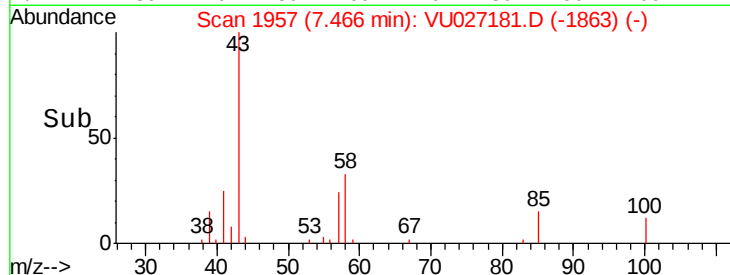
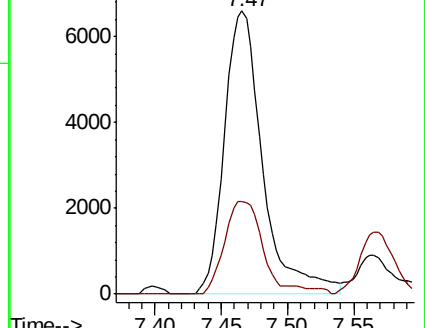
43 100

58 31.3 29.8 44.6



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

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)



#52

Toluene

Concen: 0.537 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027181.D

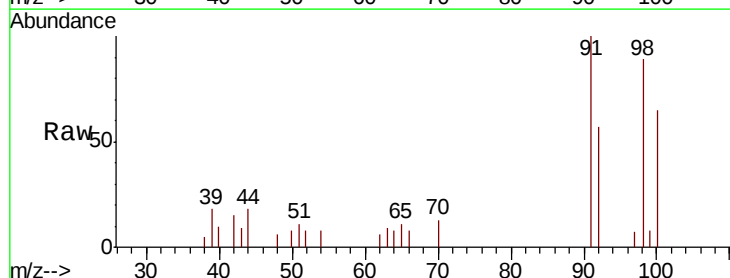
Acq: 26 Sep 2018 16:37

Tgt Ion: 92 Resp: 1918

Ion Ratio Lower Upper

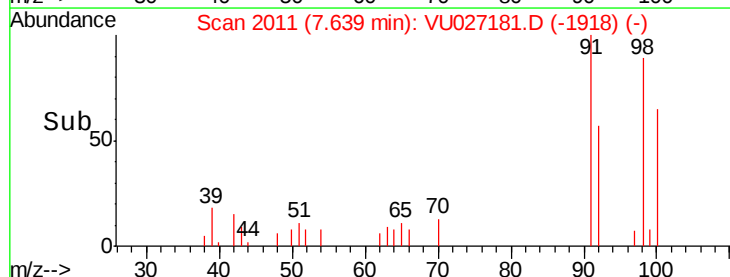
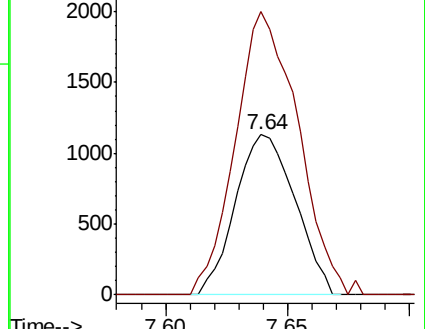
92 100

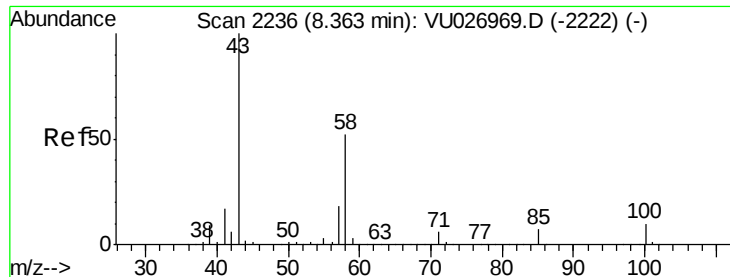
91 186.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

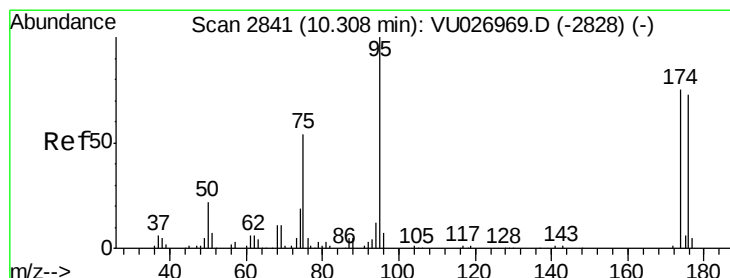
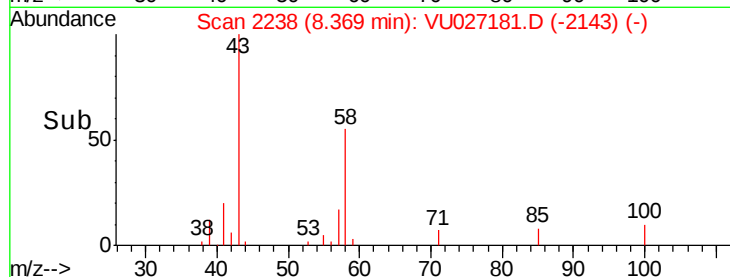
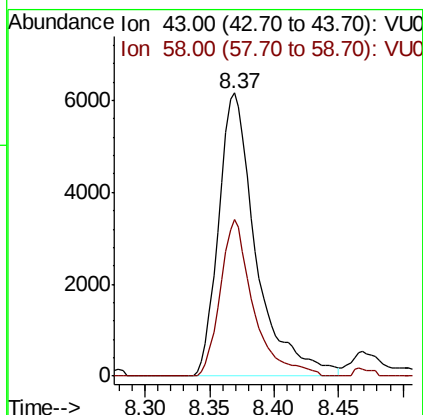
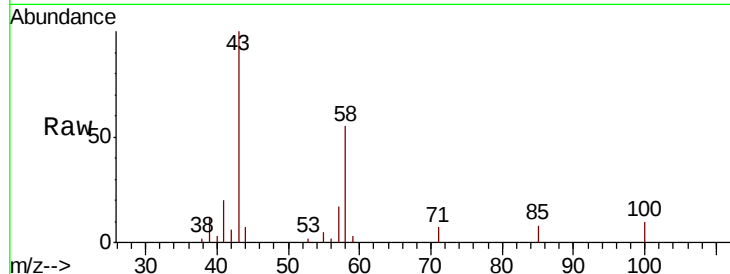




#59
2-Hexanone
Concen: 5.846 ug/l
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU027181.D
Acq: 26 Sep 2018 16:37

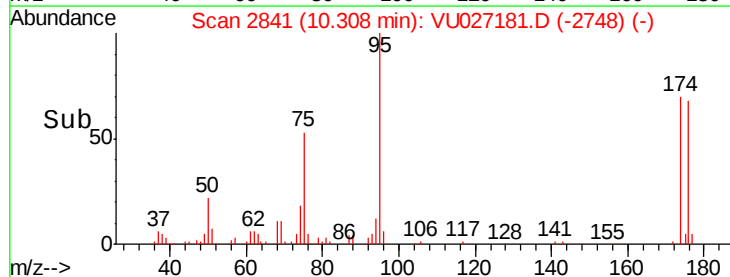
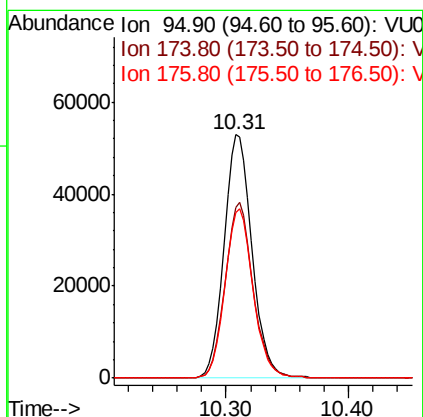
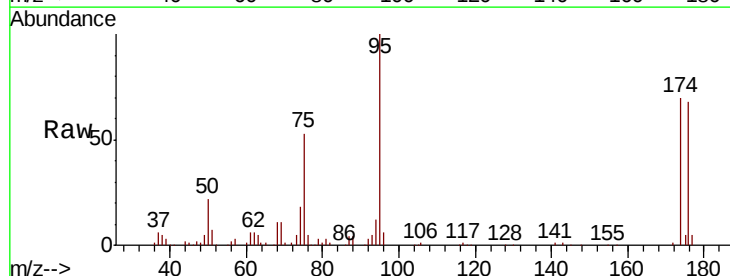
Instrument :
MSVOA_U
ClientSampleId :
MW-41-SEP18

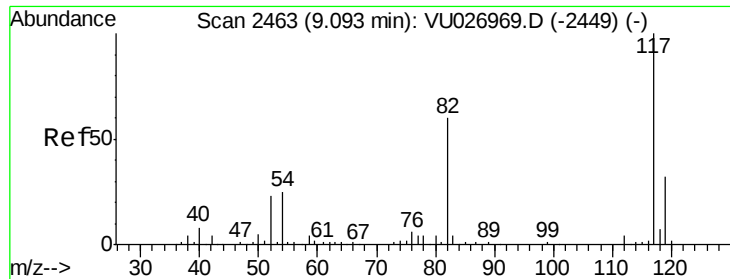
Tot Ion: 43 Resp: 12453
Ion Ratio Lower Upper
43 100
58 48.6 26.1 78.2



#62
4-Bromofluorobenzene
Concen: 48.944 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027181.D
Acq: 26 Sep 2018 16:37

Tgt Ion: 95 Resp: 85195
Ion Ratio Lower Upper
95 100
174 71.9 0.0 150.2
176 69.8 0.0 145.2

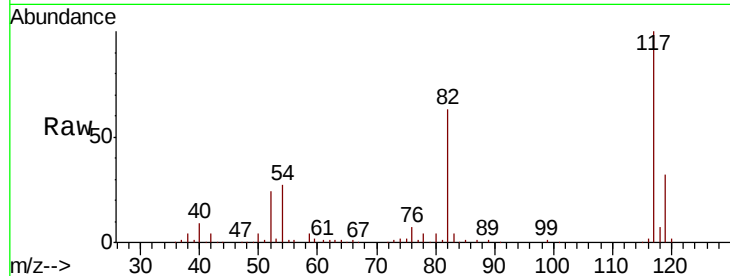




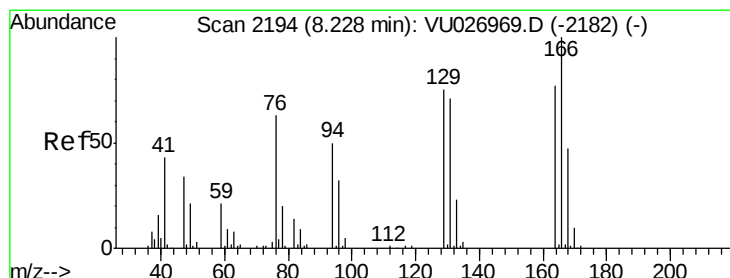
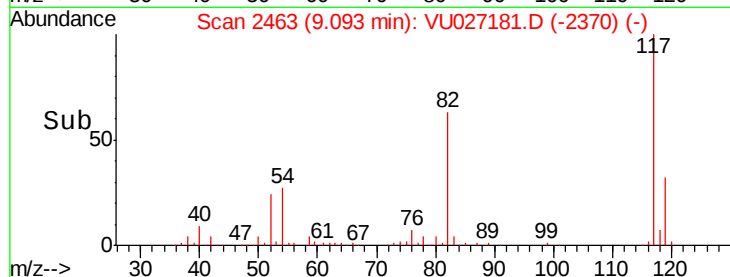
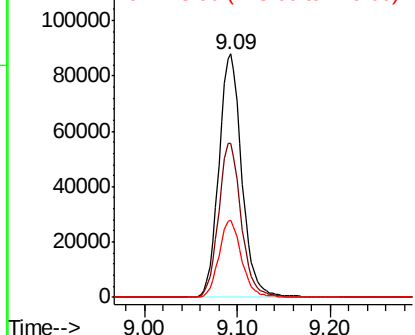
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027181.D
Acq: 26 Sep 2018 16:37

Instrument :
MSVOA_U
ClientSampleId :
MW-41-SEP18

Tot Ion:117 Resp: 150773
Ion Ratio Lower Upper
117 100
82 63.5 48.0 72.0
119 31.8 25.8 38.8



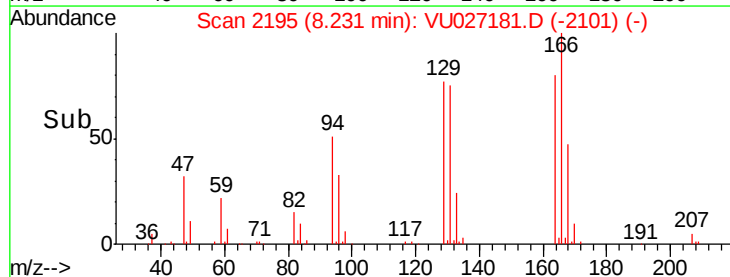
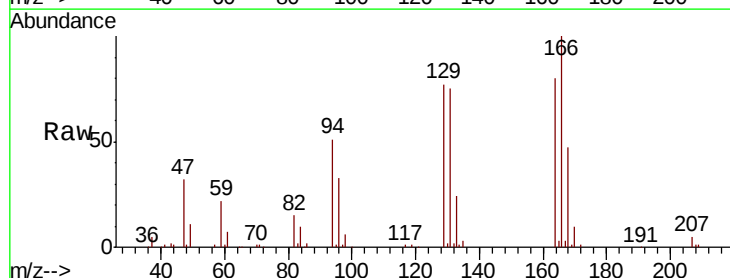
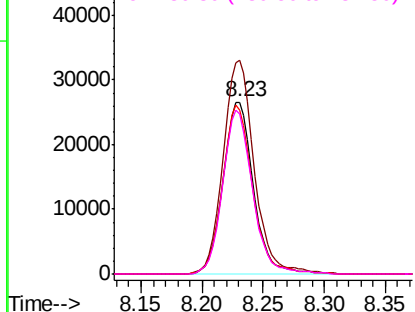
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU027181.D (-2370) (-)
Ion 118.90 (118.60 to 119.60): V

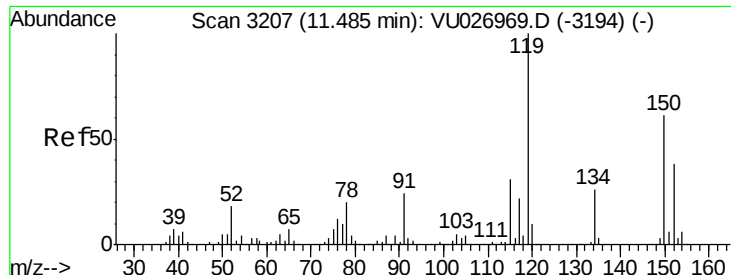


#64
Tetrachloroethene
Concen: 39.993 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027181.D
Acq: 26 Sep 2018 16:37

Tgt Ion:164 Resp: 46464
Ion Ratio Lower Upper
164 100
166 124.4 104.4 156.6
129 95.7 78.7 118.1
131 92.9 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: VU027181.D
 Acq: 26 Sep 2018 16:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-41-SEP18

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.0	44.9	134.5
150	157.3	0.0	355.8

