

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027209.D
 Acq On : 27 Sep 2018 04:17
 Operator : MD/SY
 Sample : J5048-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DMW-29A-SEP18

Quant Time: Sep 27 08:13:19 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	110812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	179530	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	175474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	85440	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	103237	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
35) Dibromofluoromethane	4.88	113	74414	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
50) Toluene-d8	7.57	98	286283	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
62) 4-Bromofluorobenzene	10.31	95	98267	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

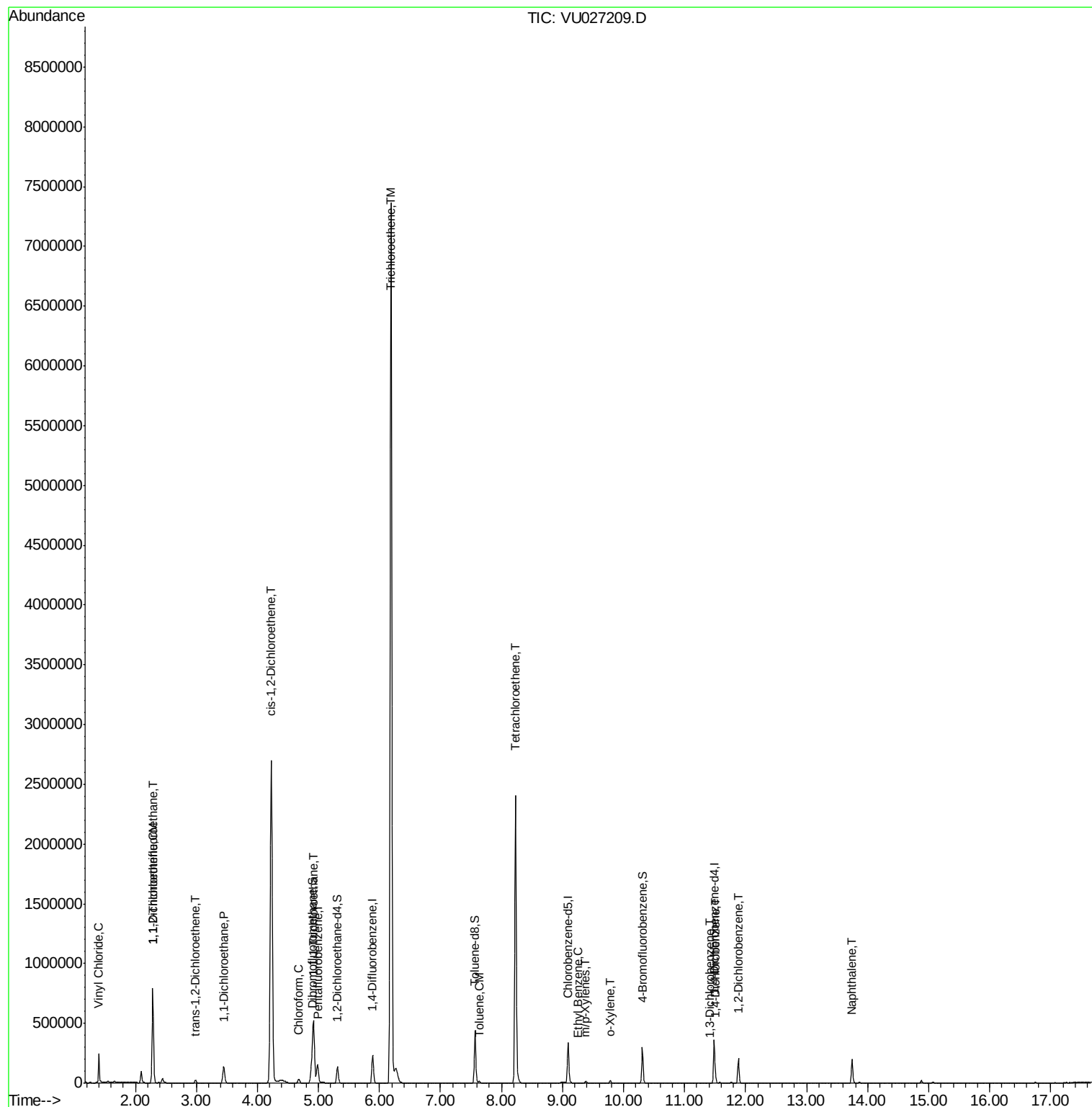
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	152401	65.452	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	138422	85.128	ug/l	99
12) 1,1-Dichloroethene	2.29	96	127319	83.189	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	8842	5.411	ug/l	94
24) 1,1-Dichloroethane	3.45	63	156976	42.927	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	1396040	756.511	ug/l	90
30) Chloroform	4.68	83	29945	8.822	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	388899	143.497	ug/l	99
44) Trichloroethene	6.19	130	2346272	1513.069	ug/l	98
52) Toluene	7.64	92	3421	0.819	ug/l	91
64) Tetrachloroethene	8.23	164	524251	387.717	ug/l	98
67) Ethyl Benzene	9.25	91	1627	0.213	ug/l	90
68) m/p-Xylenes	9.38	106	4366	2.889	ug/l	95
69) o-Xylene	9.78	106	5565	2.053	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	1296	0.439	ug/l	90
88) 1,4-Dichlorobenzene	11.51	146	11931	3.704	ug/l	92
91) 1,2-Dichlorobenzene	11.88	146	80252	25.562	ug/l	99
95) Naphthalene	13.75	128	148816	22.017	ug/l	100

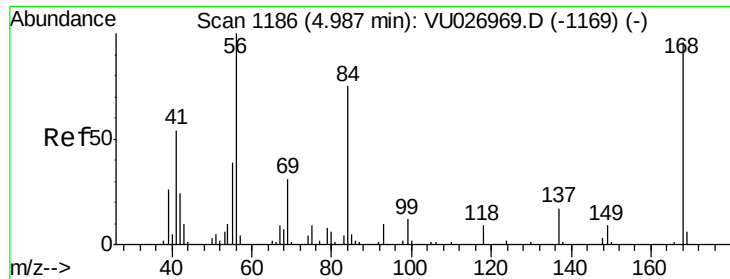
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092618\
Data File : VU027209.D
Acq On : 27 Sep 2018 04:17
Operator : MD/SY
Sample : J5048-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DMW-29A-SEP18

Quant Time: Sep 27 08:13:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
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: VU027209.D

Acq: 27 Sep 2018 04:17

Instrument :

MSVOA_U

ClientSampleId :

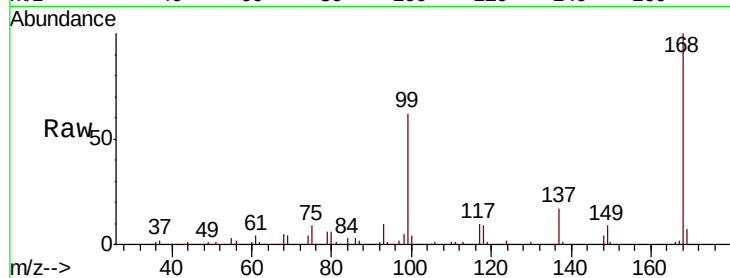
DMW-29A-SEP18

Tot Ion:168 Resp: 110812

Ion Ratio Lower Upper

168 100

99 58.9 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) (-)

120000

100000

80000

60000

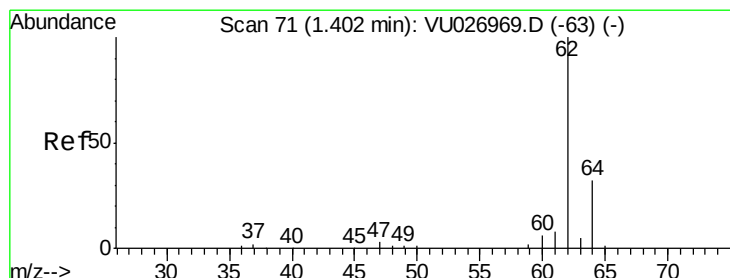
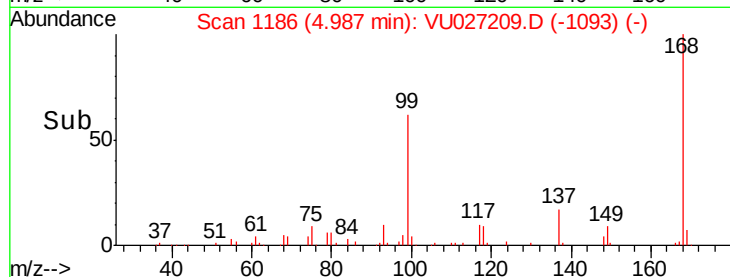
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#4

Vinyl Chloride

Concen: 65.452 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027209.D

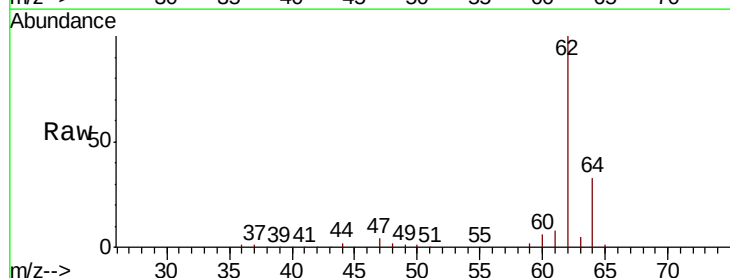
Acq: 27 Sep 2018 04:17

Tgt Ion: 62 Resp: 152401

Ion Ratio Lower Upper

62 100

64 31.9 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) (-)

150000

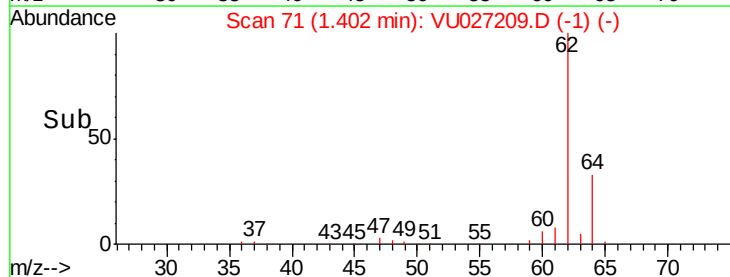
100000

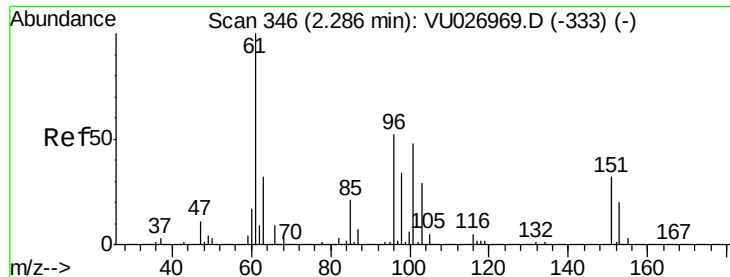
50000

0

1.35 1.40 1.45 1.50

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 85.128 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027209.D

Acq: 27 Sep 2018 04:17

Instrument :

MSVOA_U

ClientSampleId :

DMW-29A-SEP18

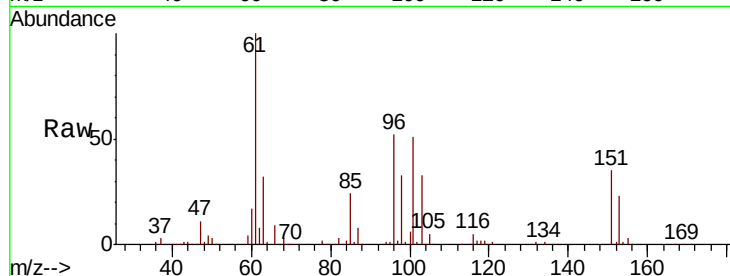
Tot Ion:101 Resp: 138422

Ion Ratio Lower Upper

101 100

85 46.5 36.2 54.2

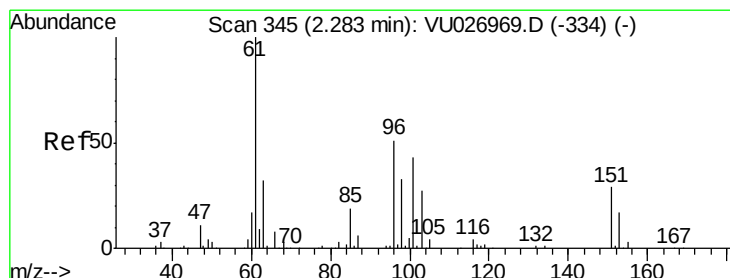
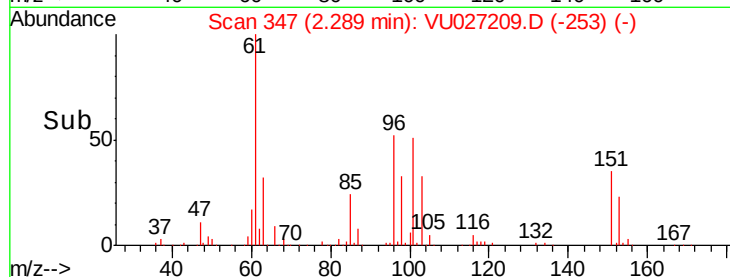
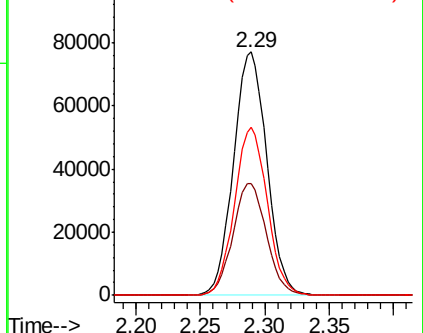
151 68.1 54.5 81.7



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: 83.189 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027209.D

Acq: 27 Sep 2018 04:17

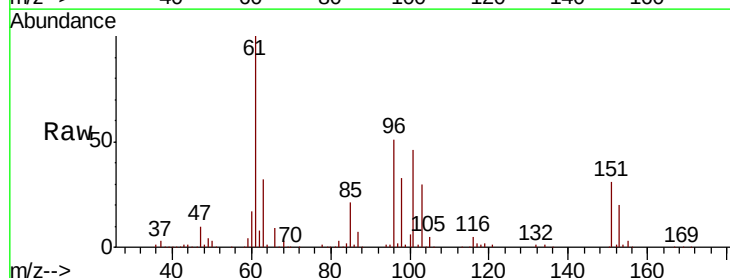
Tgt Ion: 96 Resp: 127319

Ion Ratio Lower Upper

96 100

61 195.8 156.1 234.1

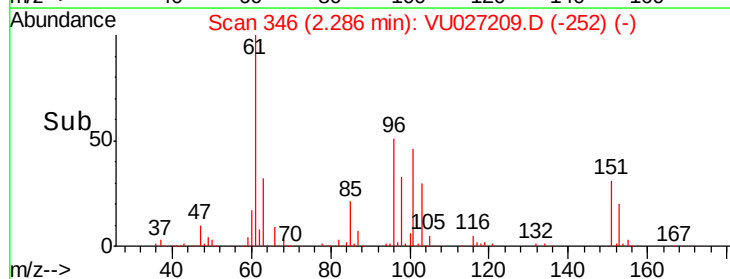
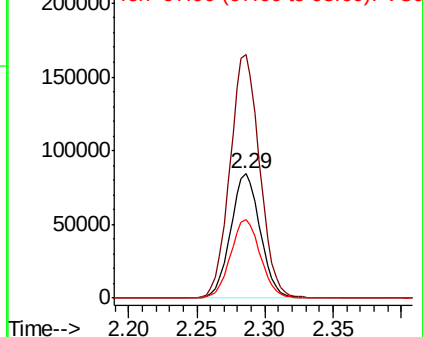
98 63.6 51.4 77.0

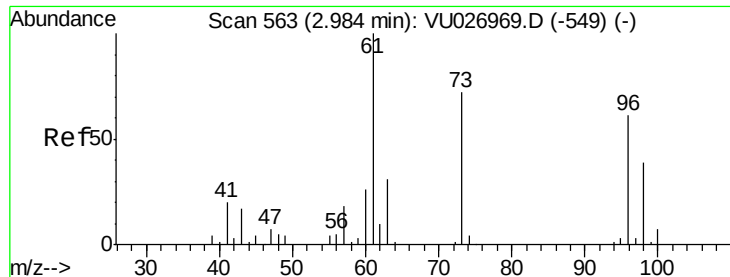


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#21

trans-1,2-Dichloroethene

Concen: 5.411 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027209.D

Acq: 27 Sep 2018 04:17

Instrument :

MSVOA_U

ClientSampleId :

DMW-29A-SEP18

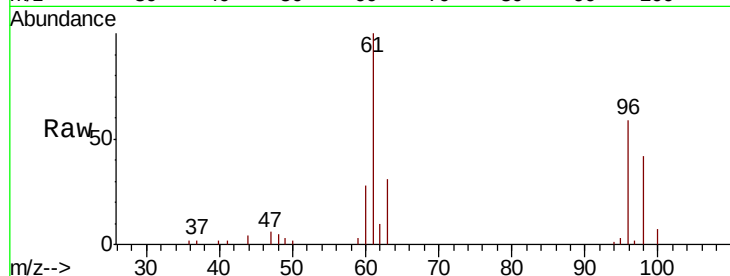
Tot Ion: 96 Resp: 8842

Ion Ratio Lower Upper

96 100

61 170.0 131.8 197.6

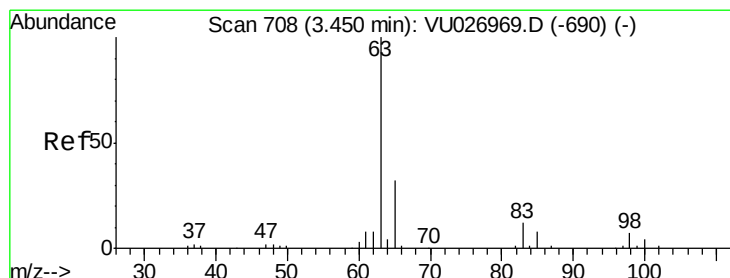
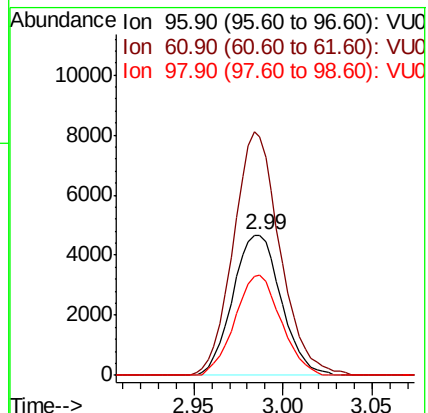
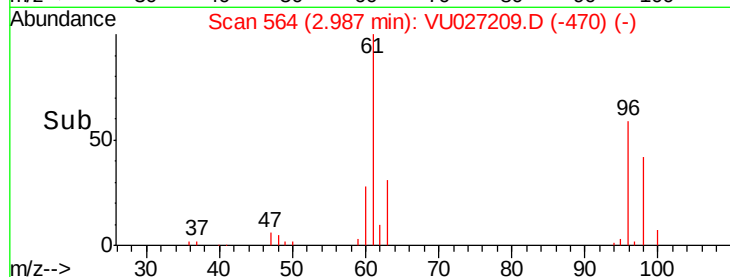
98 71.8 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VU027209.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU027209.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU027209.D (-470) (-)



#24

1,1-Dichloroethane

Concen: 42.927 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027209.D

Acq: 27 Sep 2018 04:17

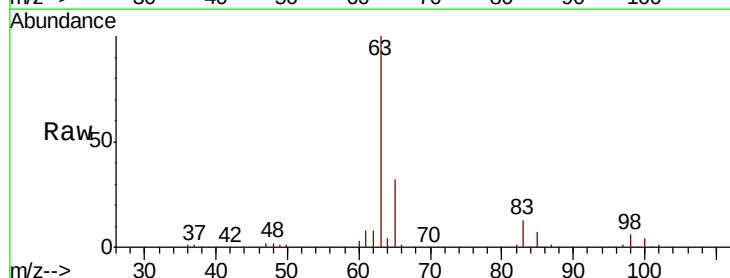
Tgt Ion: 63 Resp: 156976

Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.8

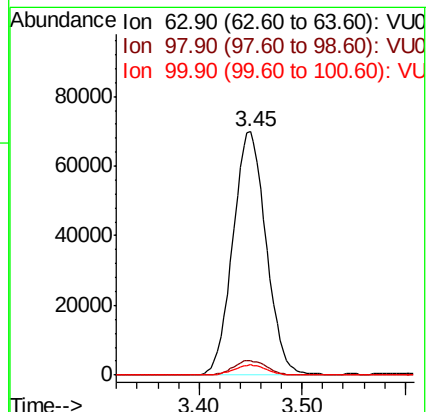
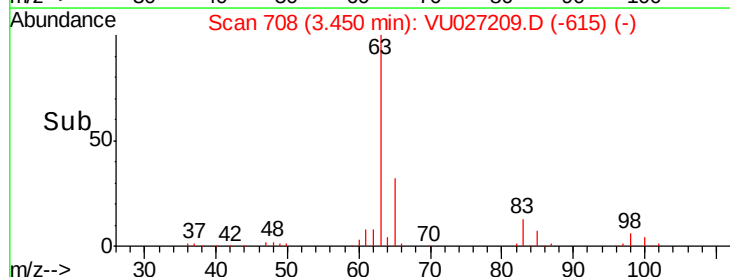
100 4.1 2.0 5.8

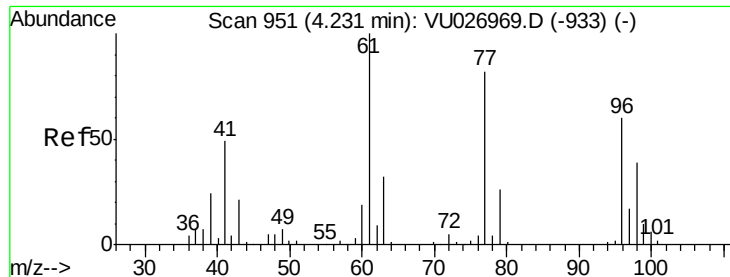


Abundance Ion 62.90 (62.60 to 63.60): VU027209.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027209.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027209.D (-615) (-)



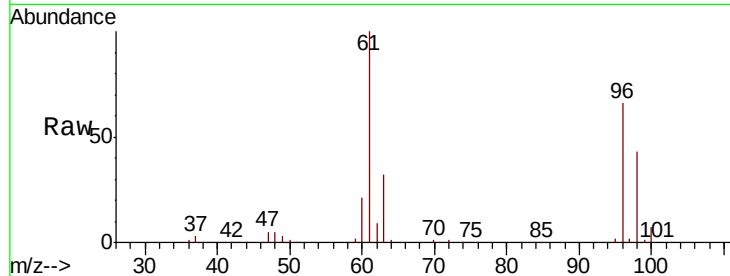


#27

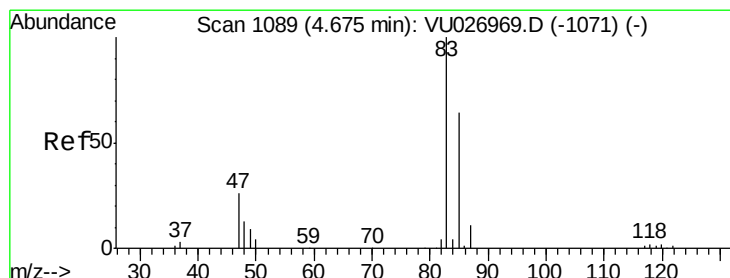
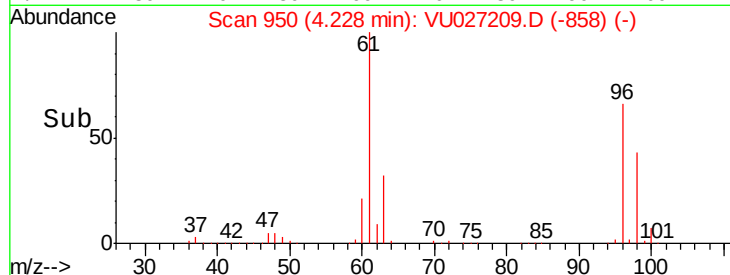
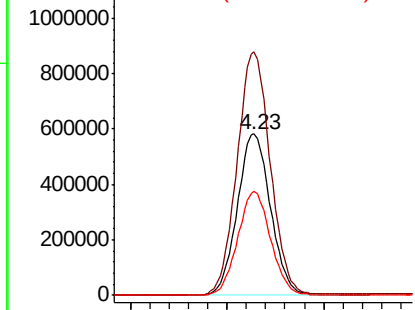
cis-1,2-Dichloroethene
 Concen: 756.511 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027209.D
 Acq: 27 Sep 2018 04:17

Instrument :
 MSVOA_U
 ClientSampleId :
 DMW-29A-SEP18

Tot Ion: 96 Resp: 1396040
 Ion Ratio Lower Upper
 96 100
 61 150.6 0.0 337.2
 98 63.9 0.0 127.6



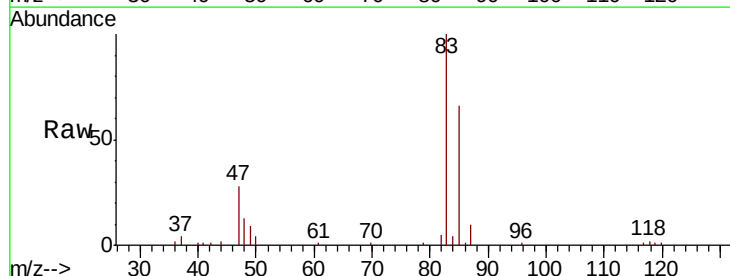
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



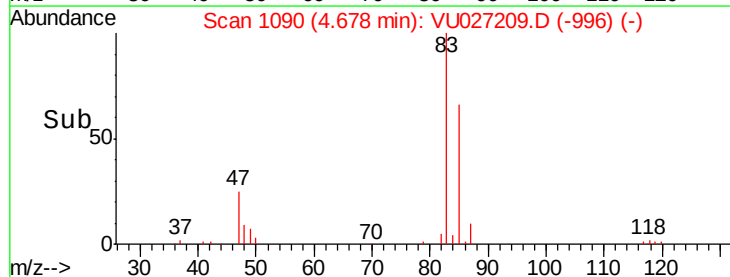
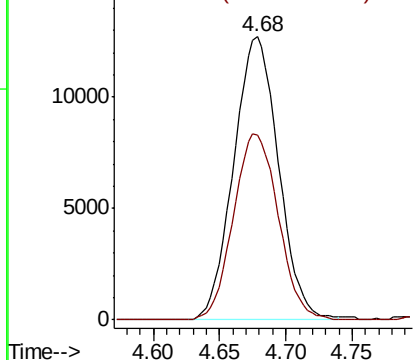
#30

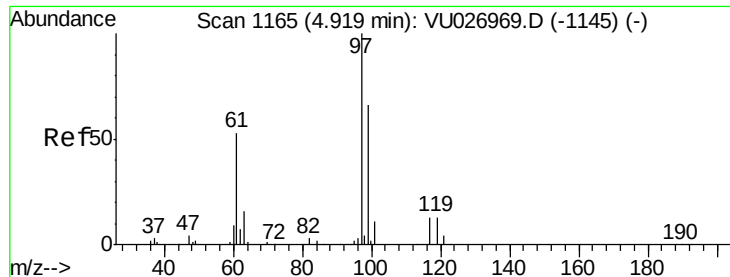
Chloroform
 Concen: 8.822 ug/l
 RT: 4.68 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VU027209.D
 Acq: 27 Sep 2018 04:17

Tgt Ion: 83 Resp: 29945
 Ion Ratio Lower Upper
 83 100
 85 65.5 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0





#32

1,1,1-Trichloroethane

Concen: 143.497 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027209.D

Acq: 27 Sep 2018 04:17

Instrument :

MSVOA_U

ClientSampleId :

DMW-29A-SEP18

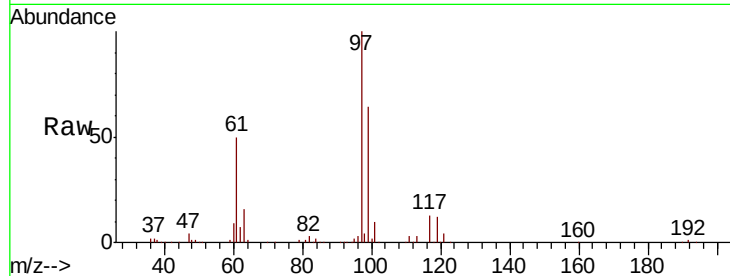
Tot Ion: 97 Resp: 388899

Ion Ratio Lower Upper

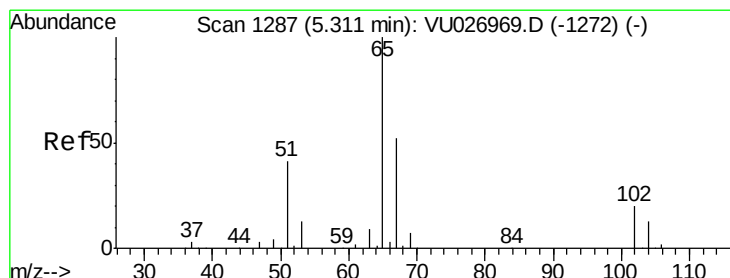
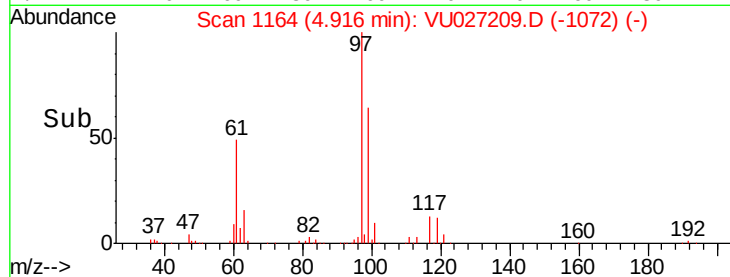
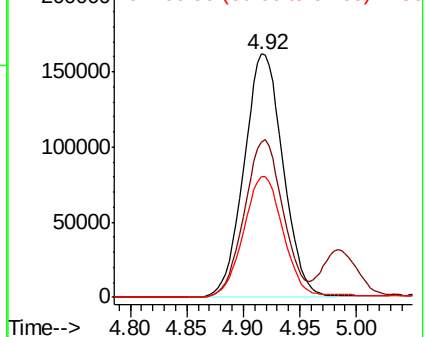
97 100

99 64.4 51.8 77.6

61 50.1 41.1 61.7



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0



#33

1,2-Dichloroethane-d4

Concen: 46.289 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027209.D

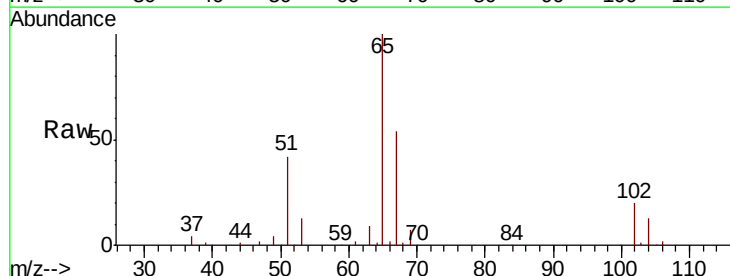
Acq: 27 Sep 2018 04:17

Tgt Ion: 65 Resp: 103237

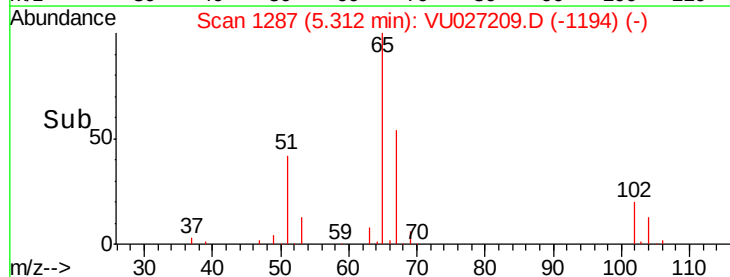
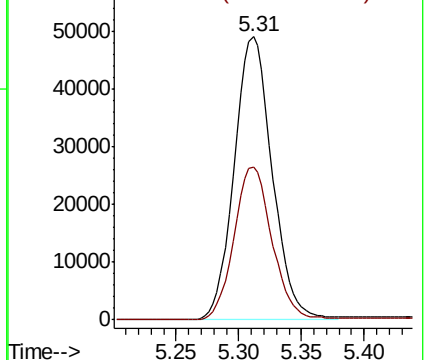
Ion Ratio Lower Upper

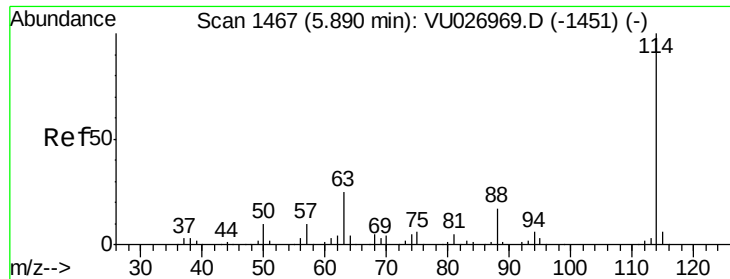
65 100

67 54.0 0.0 105.6



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

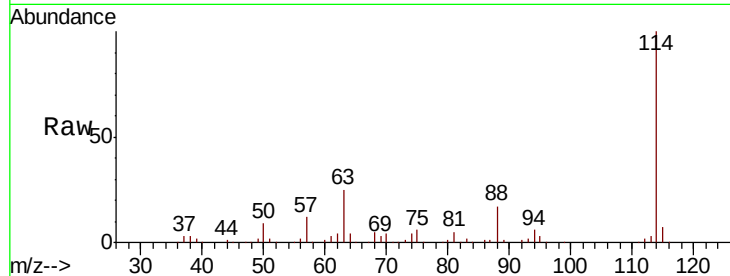




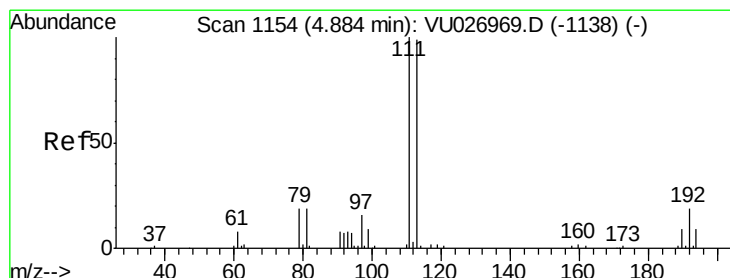
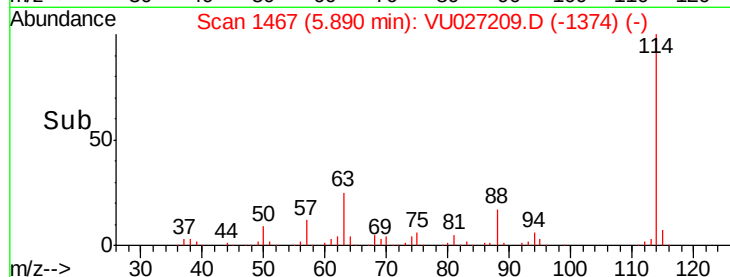
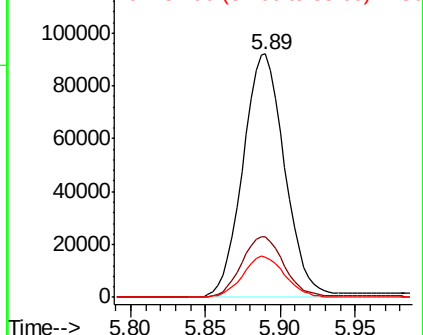
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027209.D
 Acq: 27 Sep 2018 04:17

Instrument :
 MSVOA_U
 ClientSampleId :
 DMW-29A-SEP18

Tot Ion:114 Resp: 179530
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 16.6 0.0 33.8

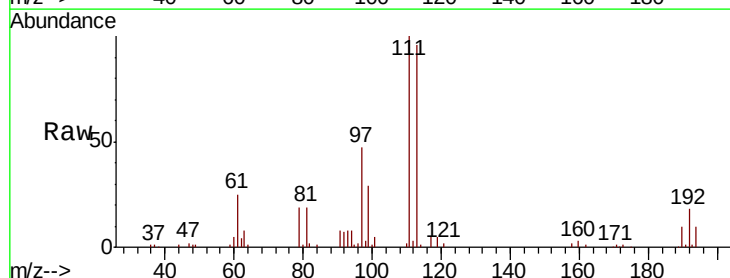


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

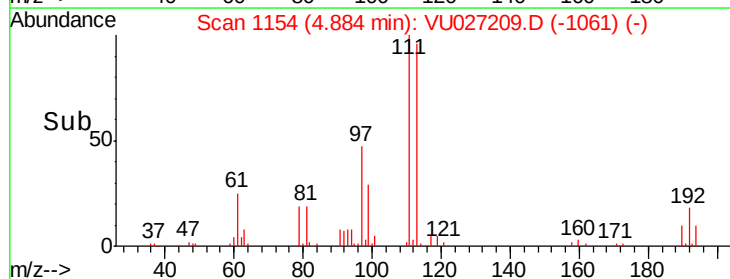
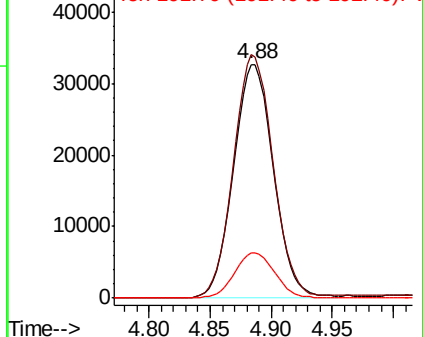


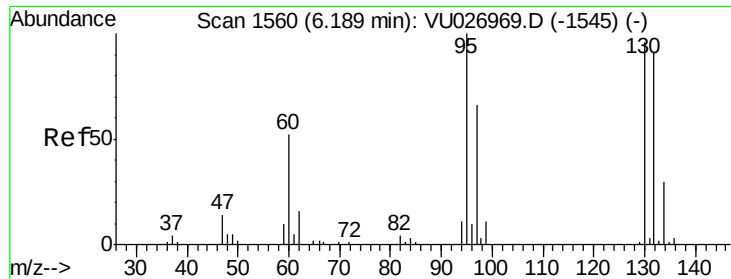
#35
 Dibromofluoromethane
 Concen: 47.819 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027209.D
 Acq: 27 Sep 2018 04:17

Tgt Ion:113 Resp: 74414
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.2 123.4
 192 19.4 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: 1513.069 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027209.D

Acq: 27 Sep 2018 04:17

Instrument :

MSVOA_U

ClientSampleId :

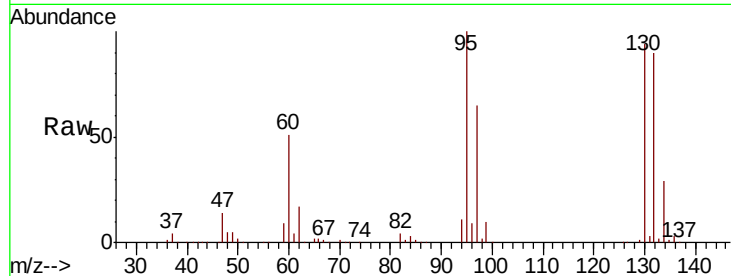
DMW-29A-SEP18

Tot Ion:130 Resp: 2346272

Ion Ratio Lower Upper

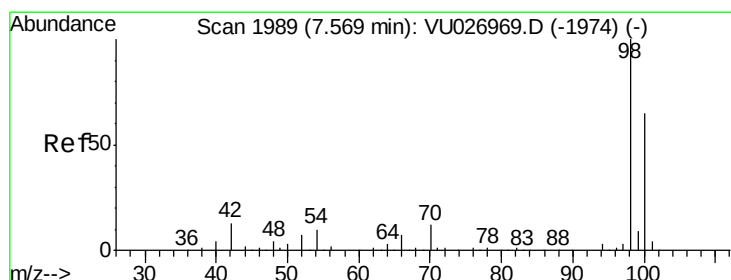
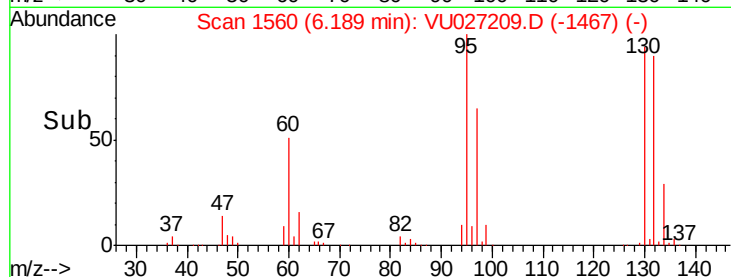
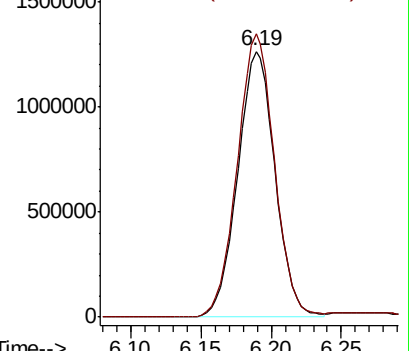
130 100

95 106.5 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 48.272 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027209.D

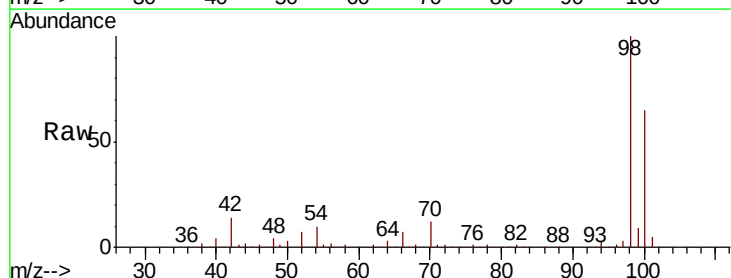
Acq: 27 Sep 2018 04:17

Tgt Ion: 98 Resp: 286283

Ion Ratio Lower Upper

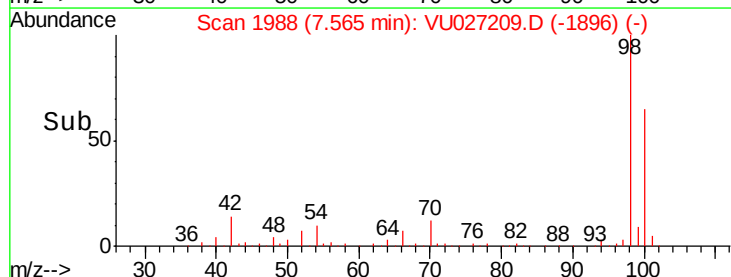
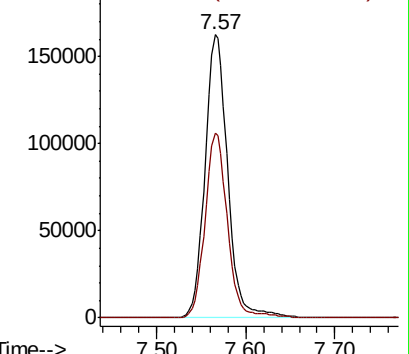
98 100

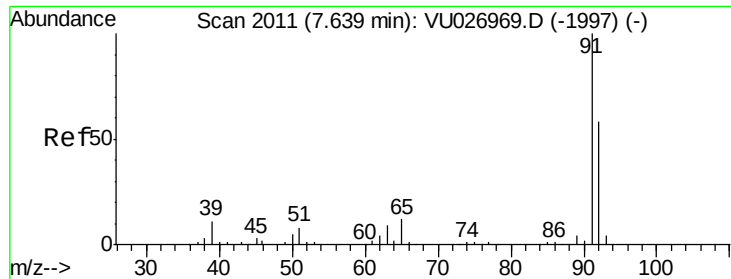
100 64.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#52

Toluene

Concen: 0.819 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027209.D

Acq: 27 Sep 2018 04:17

Instrument :

MSVOA_U

ClientSampleId :

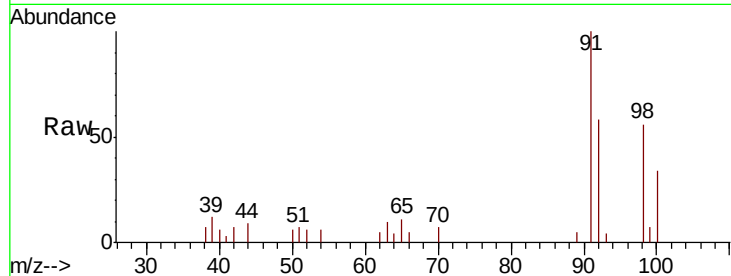
DMW-29A-SEP18

Tot Ion: 92 Resp: 3421

Ion Ratio Lower Upper

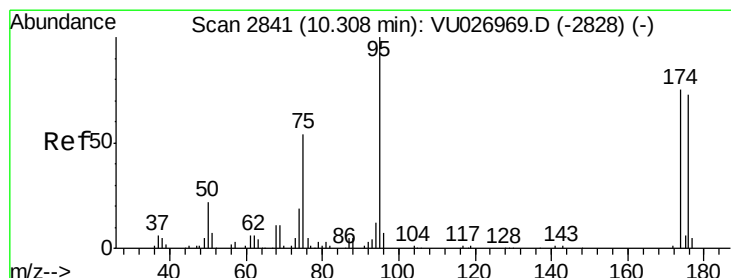
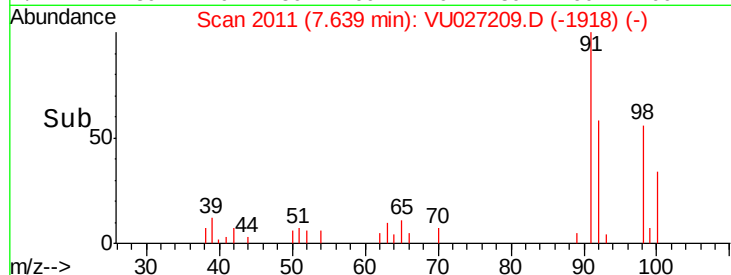
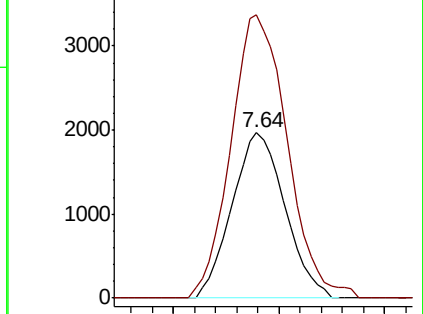
92 100

91 182.9 136.4 204.6



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

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



#62

4-Bromofluorobenzene

Concen: 48.289 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027209.D

Acq: 27 Sep 2018 04:17

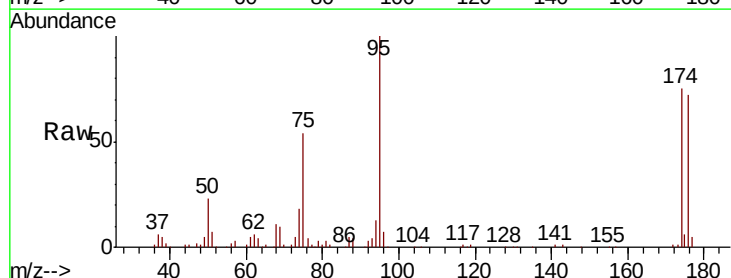
Tgt Ion: 95 Resp: 98267

Ion Ratio Lower Upper

95 100

174 74.4 0.0 150.2

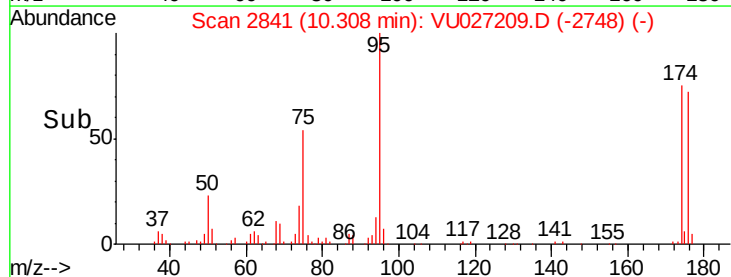
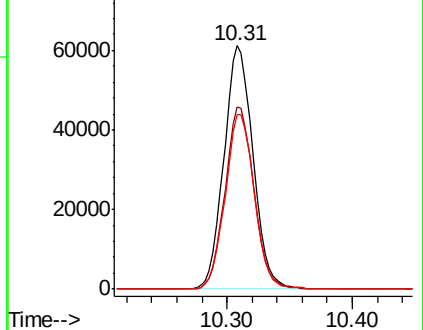
176 71.6 0.0 145.2

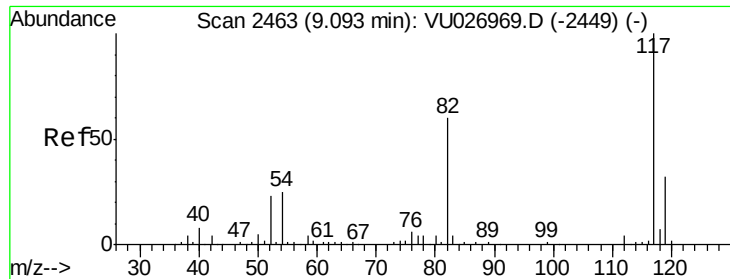


Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)

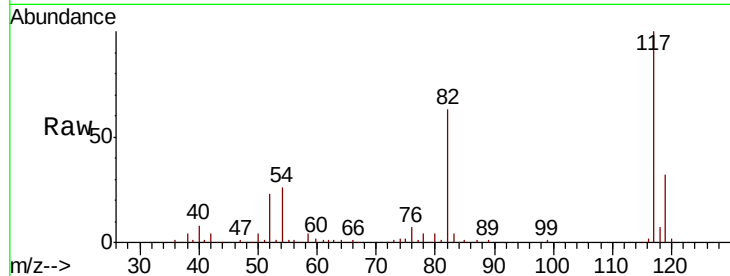




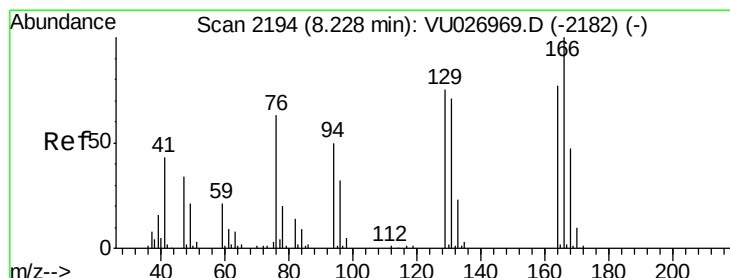
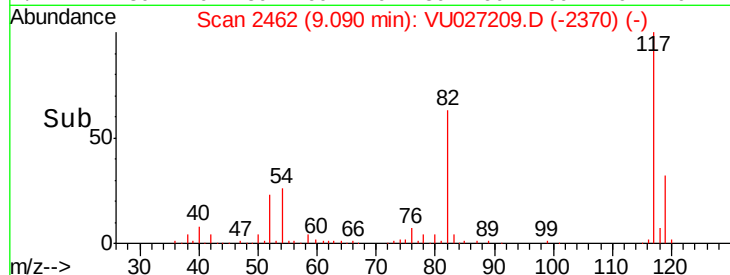
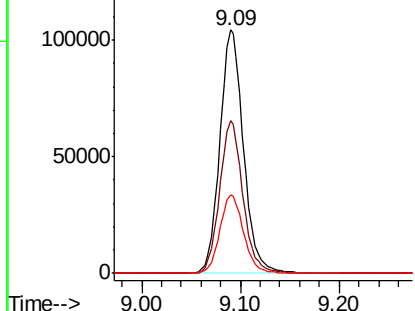
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027209.D
Acq: 27 Sep 2018 04:17

Instrument :
MSVOA_U
ClientSampleId :
DMW-29A-SEP18

Tot Ion:117 Resp: 175474
Ion Ratio Lower Upper
117 100
82 62.5 48.0 72.0
119 32.2 25.8 38.8



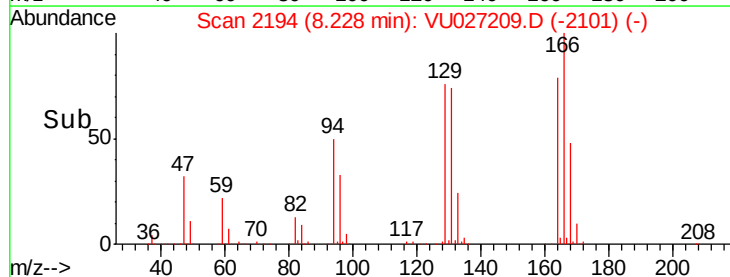
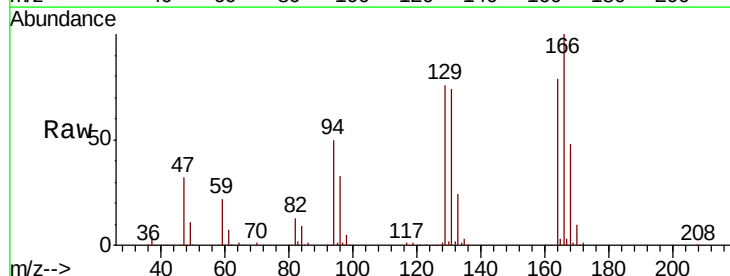
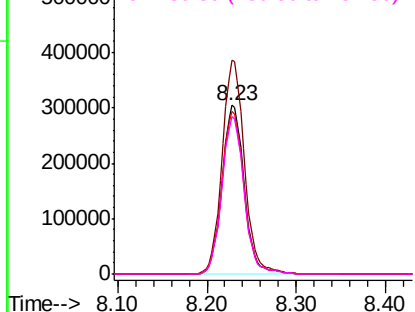
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU027209.D (-2370) (-)
Ion 118.90 (118.60 to 119.60): V

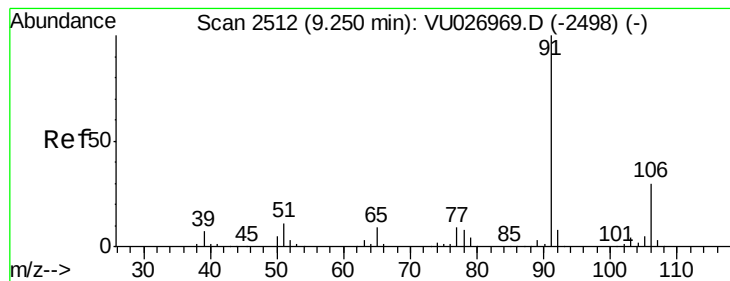


#64
Tetrachloroethene
Concen: 387.717 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027209.D
Acq: 27 Sep 2018 04:17

Tgt Ion:164 Resp: 524251
Ion Ratio Lower Upper
164 100
166 126.5 104.4 156.6
129 96.5 78.7 118.1
131 93.1 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





#67

Ethyl Benzene

Concen: 0.213 ug/l

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027209.D

Acq: 27 Sep 2018 04:17

Instrument :

MSVOA_U

ClientSampleId :

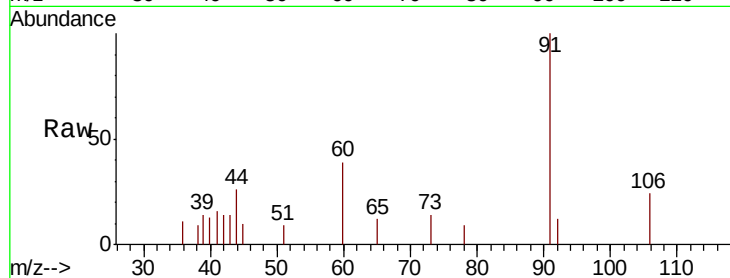
DMW-29A-SEP18

Tot Ion: 91 Resp: 1627

Ion Ratio Lower Upper

91 100

106 24.1 23.8 35.8



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2498) (-)

Ion 106.00 (105.70 to 106.70): VU026969.D (-2498) (-)

9.25

1200

1000

800

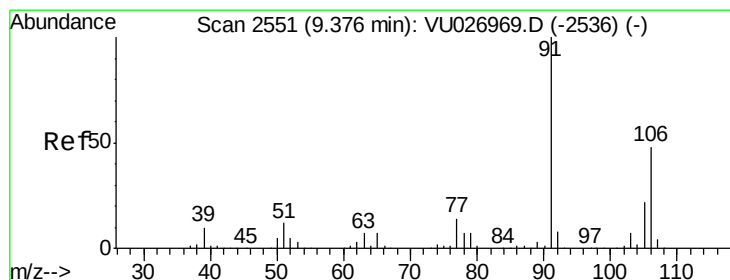
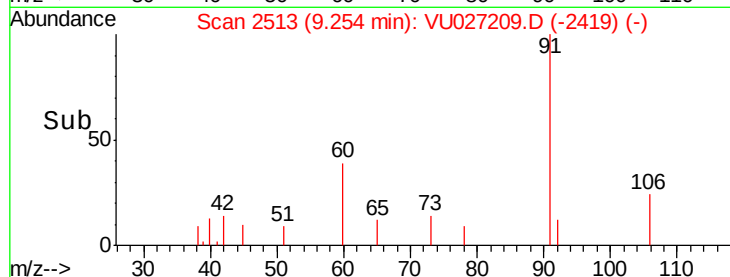
600

400

200

0

Time-->



#68

m/p-Xylenes

Concen: 2.889 ug/l

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027209.D

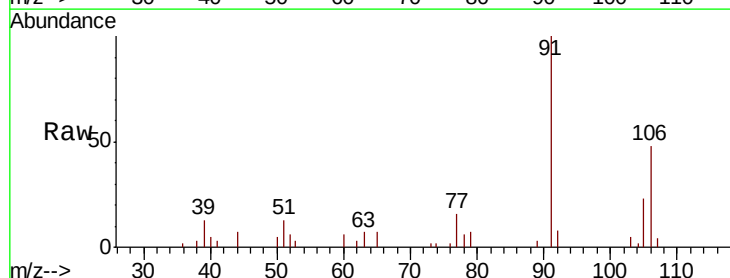
Acq: 27 Sep 2018 04:17

Tgt Ion: 106 Resp: 4366

Ion Ratio Lower Upper

106 100

91 215.6 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): VU026969.D (-2536) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-2536) (-)

9.38

6000

5000

4000

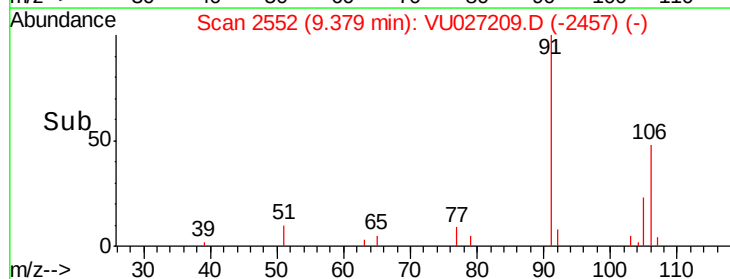
3000

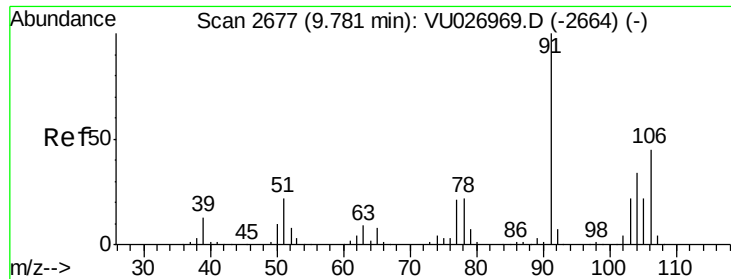
2000

1000

0

Time-->

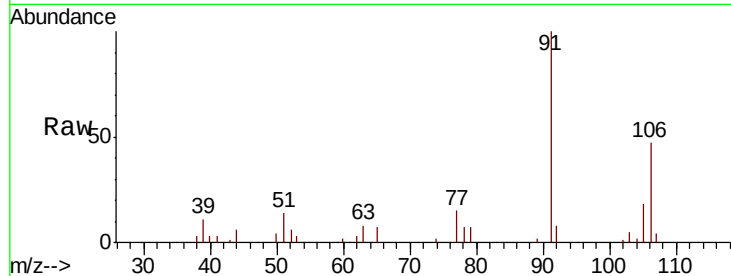




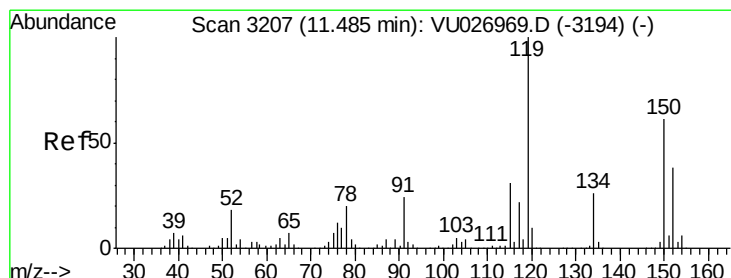
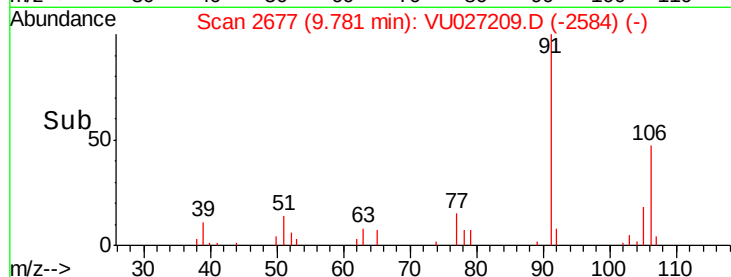
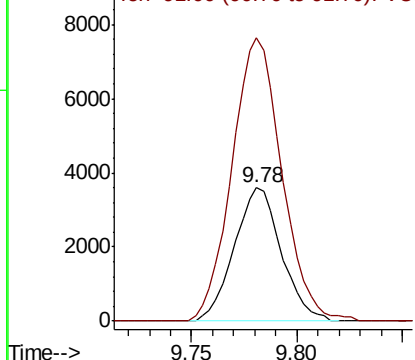
#69
o-Xylene
Concen: 2.053 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027209.D
Acq: 27 Sep 2018 04:17

Instrument :
MSVOA_U
ClientSampleId :
DMW-29A-SEP18

Tot Ion:106 Resp: 5565
Ion Ratio Lower Upper
106 100
91 225.2 110.2 330.6

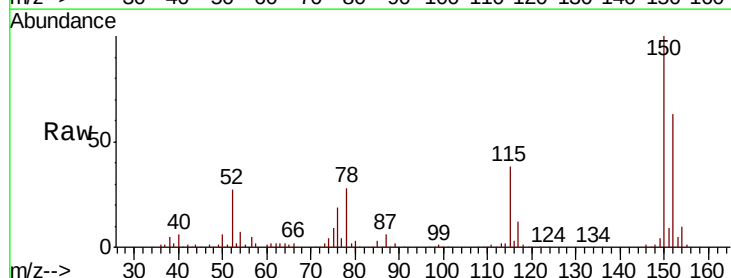


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

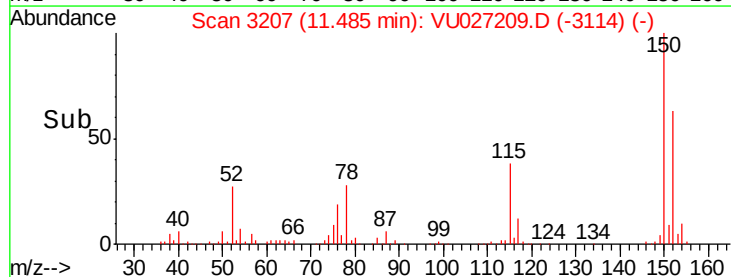
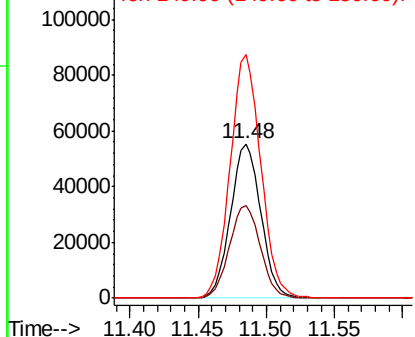


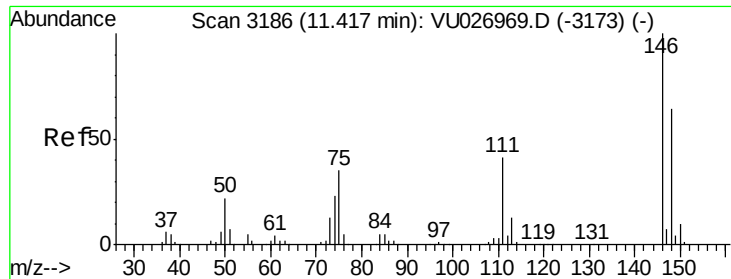
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027209.D
Acq: 27 Sep 2018 04:17

Tgt Ion:152 Resp: 85440
Ion Ratio Lower Upper
152 100
115 61.5 44.9 134.5
150 159.9 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

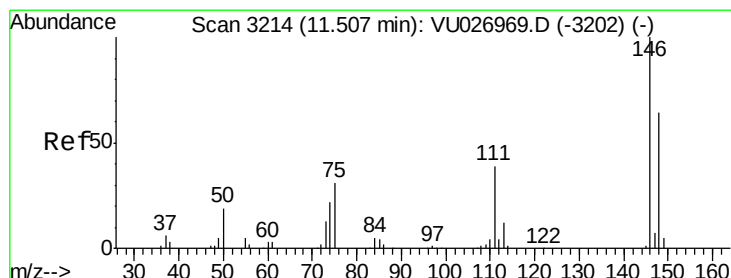
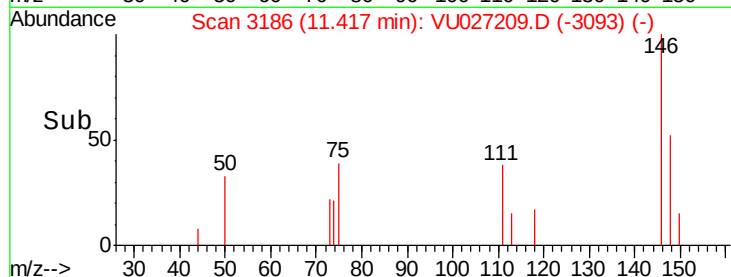
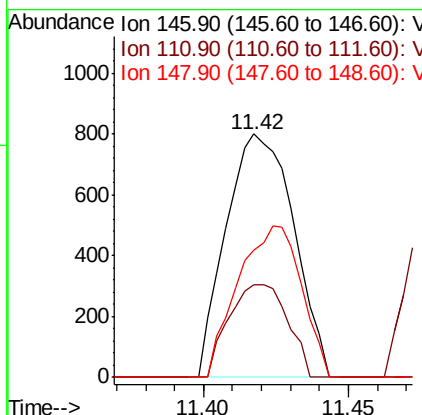
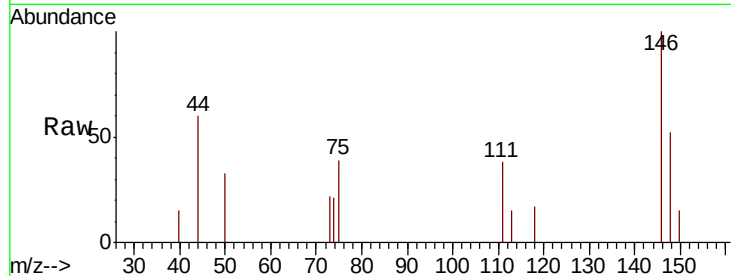




#87
 1,3-Dichlorobenzene
 Concen: 0.439 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027209.D
 Acq: 27 Sep 2018 04:17

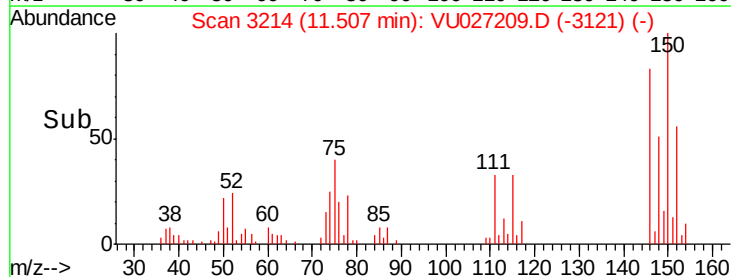
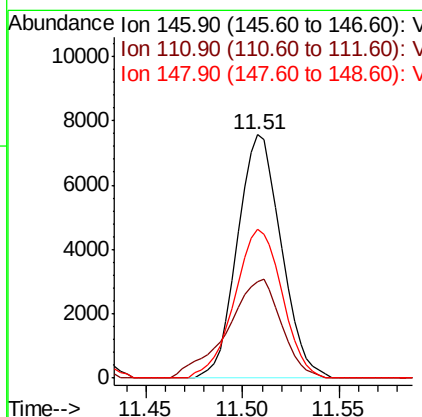
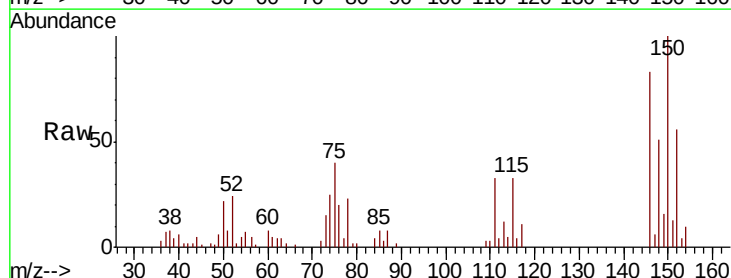
Instrument :
 MSVOA_U
 ClientSampleId :
 DMW-29A-SEP18

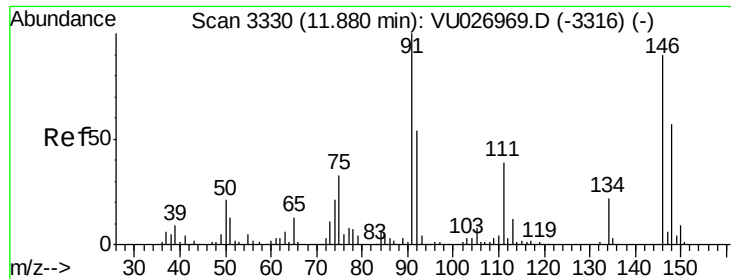
Tot Ion:146 Resp: 1296
 Ion Ratio Lower Upper
 146 100
 111 32.9 20.8 62.2
 148 58.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 3.704 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027209.D
 Acq: 27 Sep 2018 04:17

Tgt Ion:146 Resp: 11931
 Ion Ratio Lower Upper
 146 100
 111 50.0 20.3 60.9
 148 66.5 31.9 95.9





#91

1,2-Dichlorobenzene

Concen: 25.562 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027209.D

Acq: 27 Sep 2018 04:17

Instrument :

MSVOA_U

ClientSampleId :

DMW-29A-SEP18

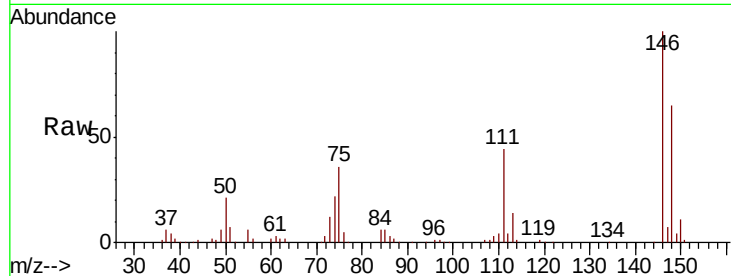
Tot Ion:146 Resp: 80252

Ion Ratio Lower Upper

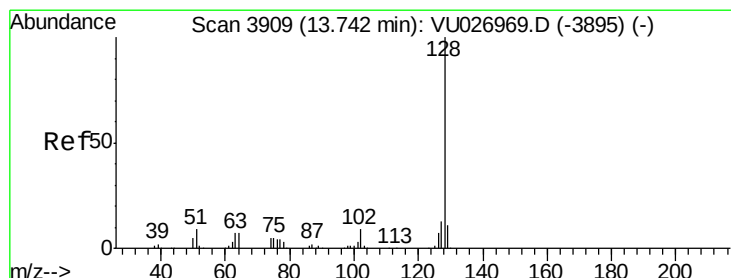
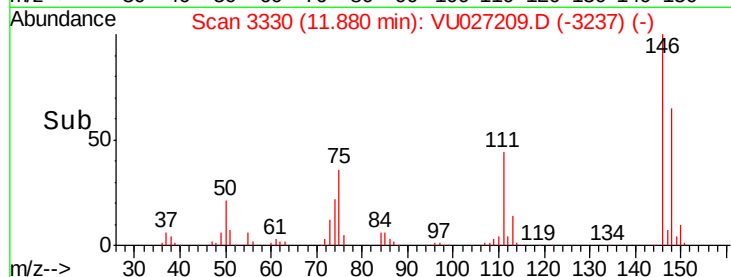
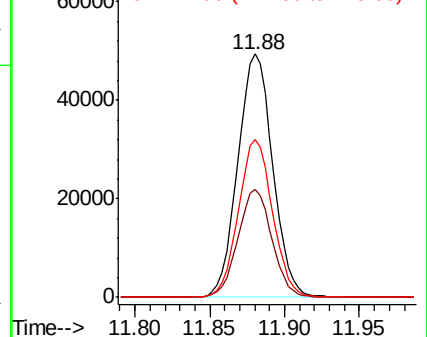
146 100

111 43.1 21.8 65.3

148 63.4 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 22.017 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027209.D

Acq: 27 Sep 2018 04:17

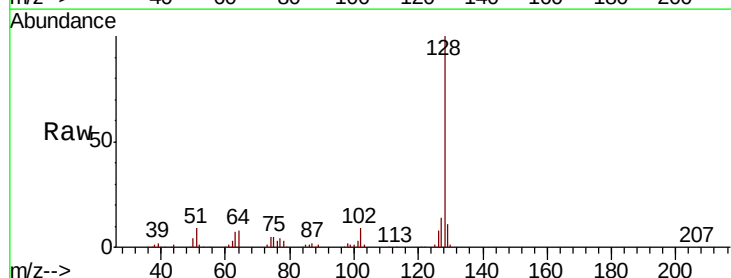
Tgt Ion:128 Resp: 148816

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

