

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
 Data File : VU027196.D
 Acq On : 26 Sep 2018 23:14
 Operator : MD/SY
 Sample : J5049-04DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-125-SEP18DL

Quant Time: Sep 27 02:46:51 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	95370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	158273	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	154716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71695	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	99822	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
35) Dibromofluoromethane	4.88	113	69315	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	7.57	98	258639	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	10.31	95	82422	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	

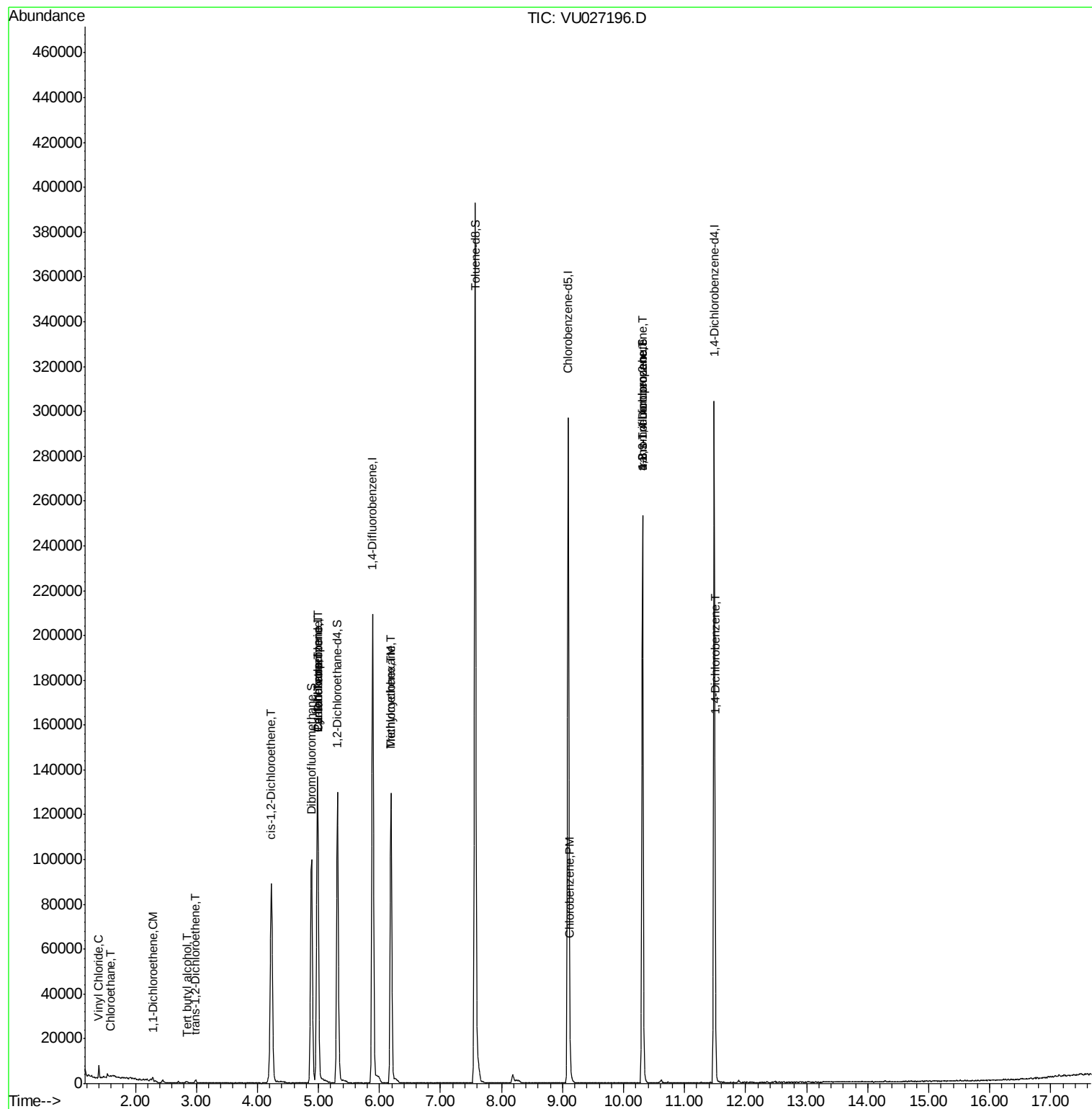
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3699	1.846	ug/l	95
6) Chloroethane	1.60	64	1017	0.794	ug/l #	43
11) Tert butyl alcohol	2.84	59	414	0.941	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	684	0.519	ug/l #	86
16) Acetone	2.32	43	879	Below Cal	#	88
21) trans-1,2-Dichloroethene	2.99	96	551	0.392	ug/l	91
27) cis-1,2-Dichloroethene	4.23	96	45936	28.923	ug/l	91
31) Cyclohexane	4.98	56	2368	0.256	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	9092	4.304	ug/l #	50
38) Carbon Tetrachloride	4.98	117	10067	5.008	ug/l #	19
39) Methylcyclohexane	6.18	83	586	0.255	ug/l #	1
44) Trichloroethene	6.19	130	42868	31.358	ug/l	99
65) Chlorobenzene	9.12	112	3476	0.847	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	45632	20.951	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	45632	67.046	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	1304	0.482	ug/l #	68

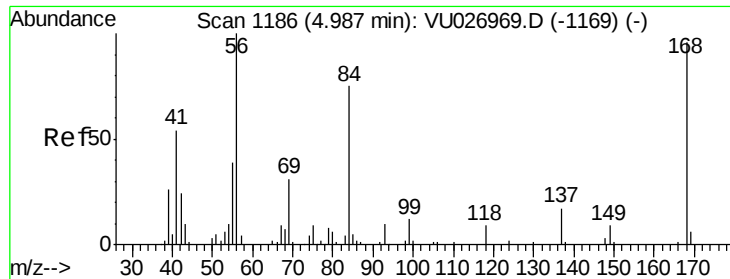
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
Data File : VU027196.D
Acq On : 26 Sep 2018 23:14
Operator : MD/SY
Sample : J5049-04DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MW-125-SEP18DL

Quant Time: Sep 27 02:46:51 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: VU027196.D

Acq: 26 Sep 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

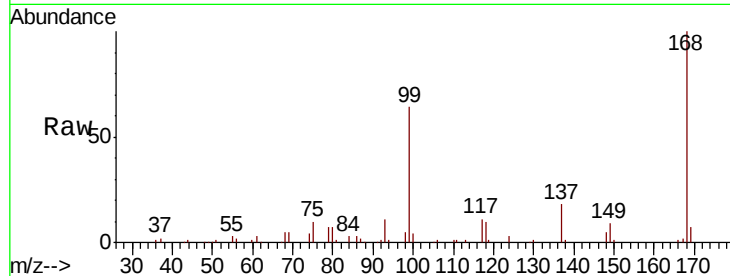
MW-125-SEP18DL

Tgt Ion:168 Resp: 95370

Ion Ratio Lower Upper

168 100

99 64.4 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

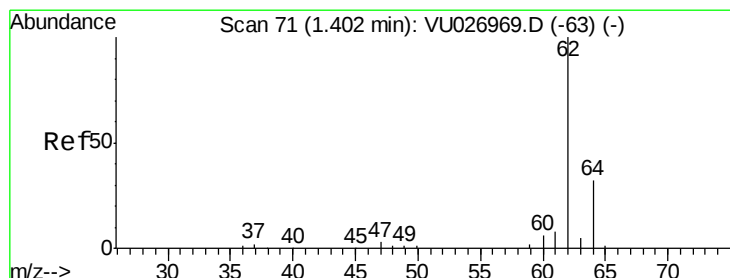
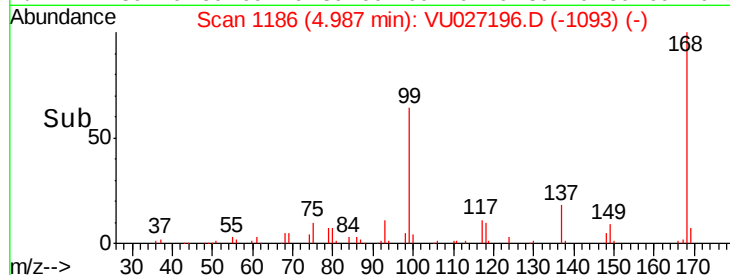
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#4

Vinyl Chloride

Concen: 1.846 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027196.D

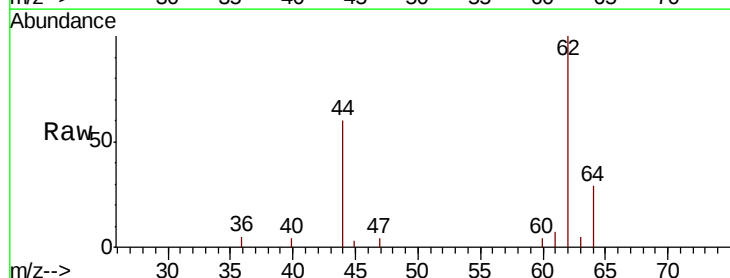
Acq: 26 Sep 2018 23:14

Tgt Ion: 62 Resp: 3699

Ion Ratio Lower Upper

62 100

64 29.0 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

4000

3000

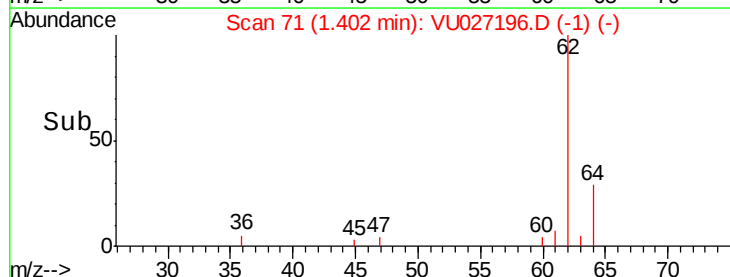
2000

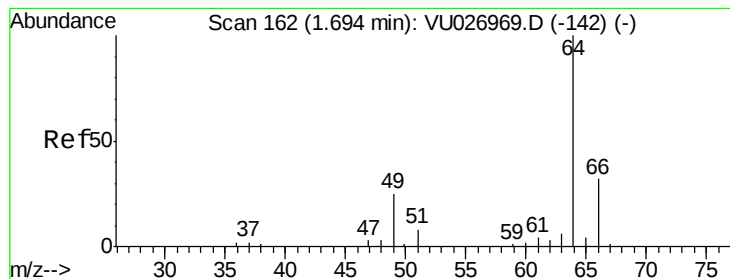
1000

0

1.36 1.38 1.40 1.42 1.44

Time-->





#6

Chloroethane

Concen: 0.794 ug/l

RT: 1.60 min Scan# 132

Delta R.T. -0.10 min

Lab File: VU027196.D

Acq: 26 Sep 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

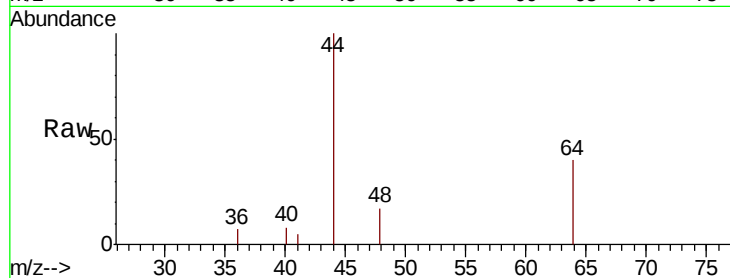
MW-125-SEP18DL

Tgt Ion: 64 Resp: 1017

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

800

600

400

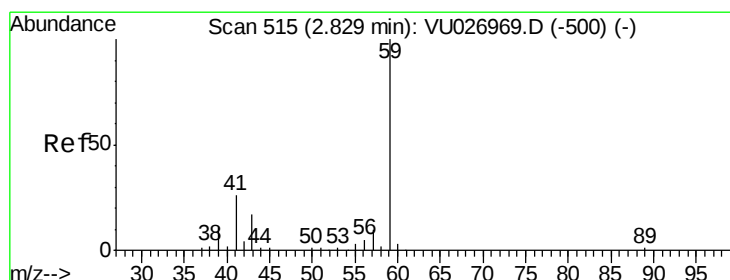
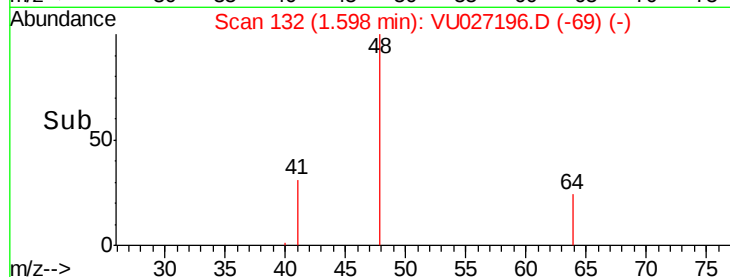
200

0

1.55

1.60

Time-->



#11

Tert butyl alcohol

Concen: 0.941 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027196.D

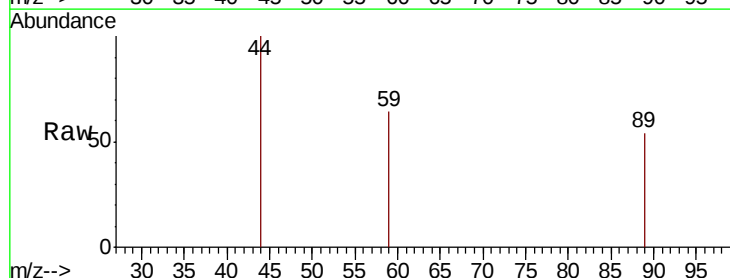
Acq: 26 Sep 2018 23:14

Tgt Ion: 59 Resp: 414

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

250

200

150

100

50

0

2.80

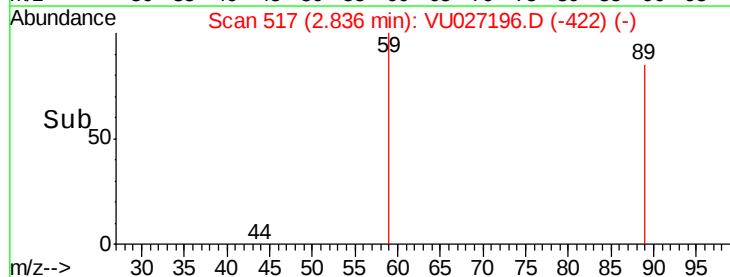
2.82

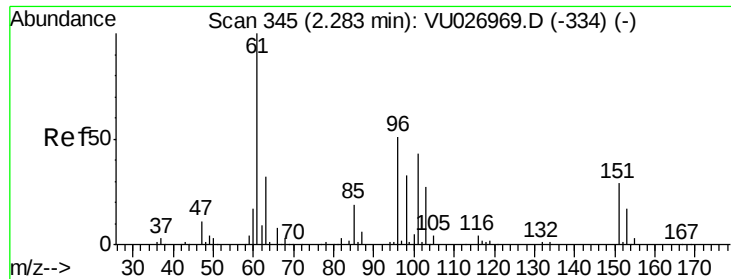
2.84

2.86

2.88

Time-->





#12

1,1-Dichloroethene

Concen: 0.519 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027196.D

Acq: 26 Sep 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

MW-125-SEP18DL

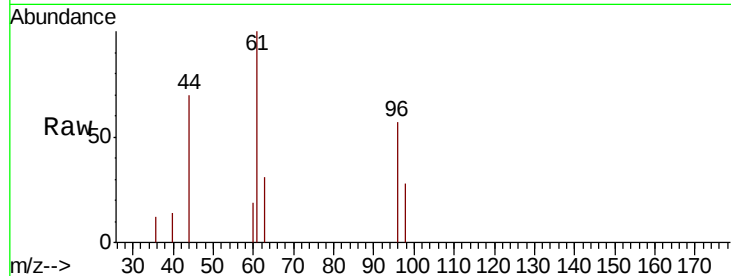
Tgt Ion: 96 Resp: 684

Ion Ratio Lower Upper

96 100

61 176.9 156.1 234.1

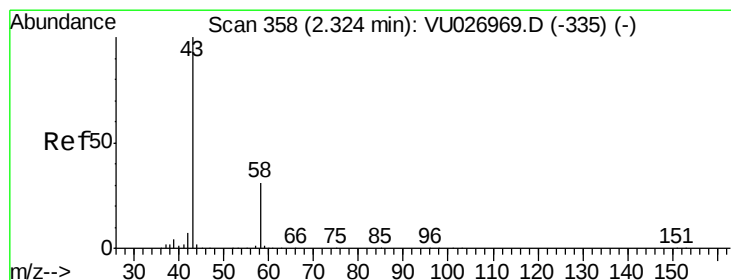
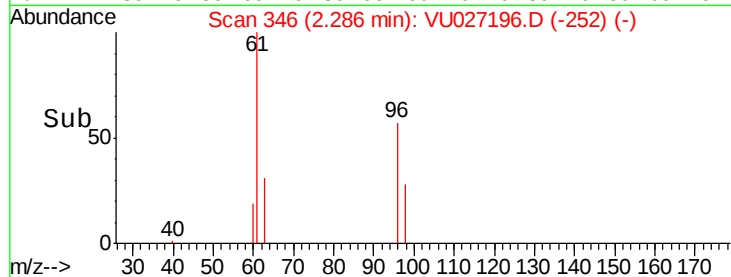
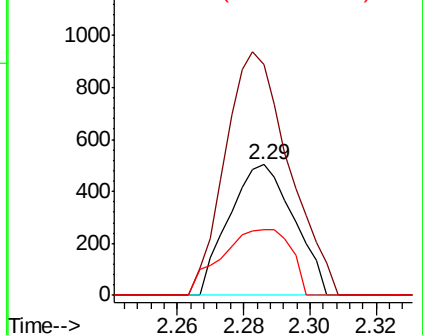
98 50.1 51.4 77.0#



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: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027196.D

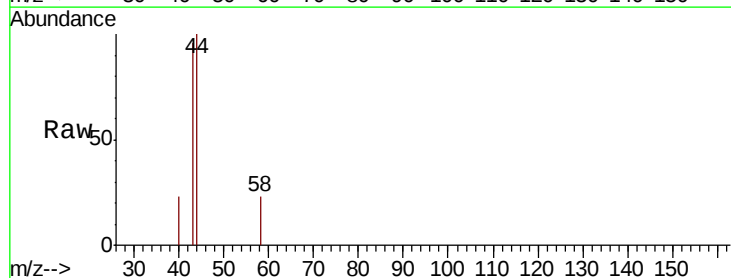
Acq: 26 Sep 2018 23:14

Tgt Ion: 43 Resp: 879

Ion Ratio Lower Upper

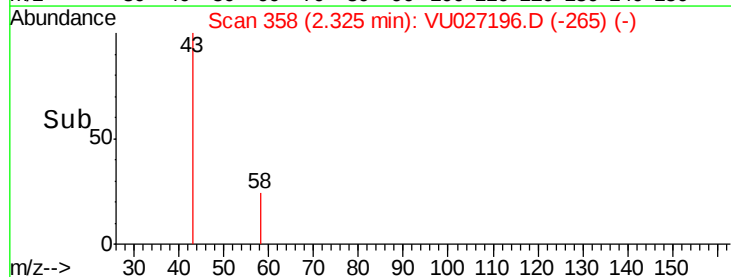
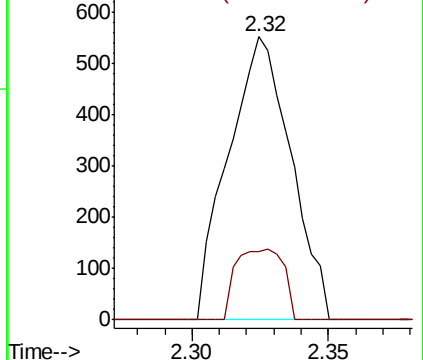
43 100

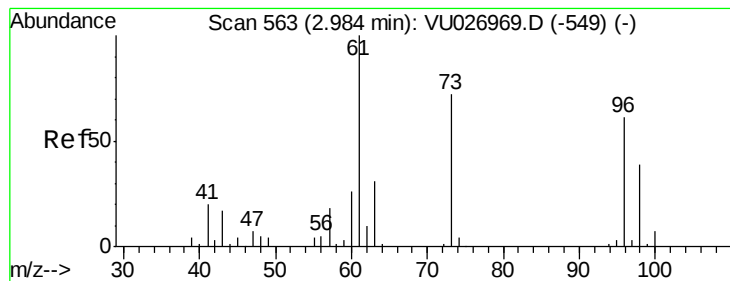
58 24.1 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#21

trans-1,2-Dichloroethene

Concen: 0.392 ug/l

RT: 2.99 min Scan# 565

Delta R.T. 0.01 min

Lab File: VU027196.D

Acq: 26 Sep 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

MW-125-SEP18DL

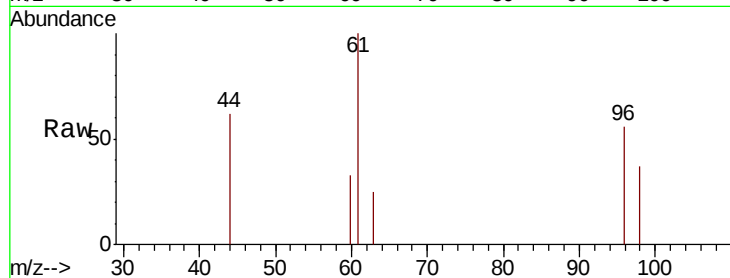
Tgt Ion: 96 Resp: 551

Ion Ratio Lower Upper

96 100

61 178.9 131.8 197.6

98 66.8 50.9 76.3

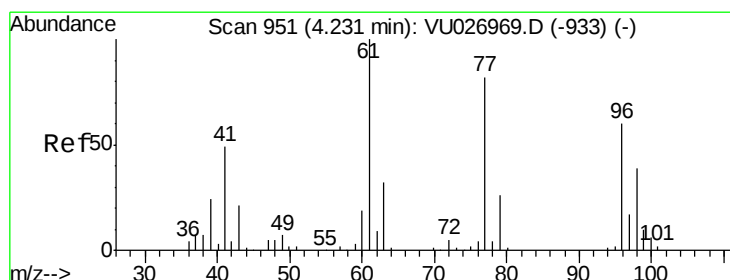
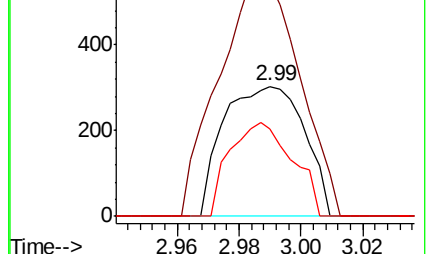
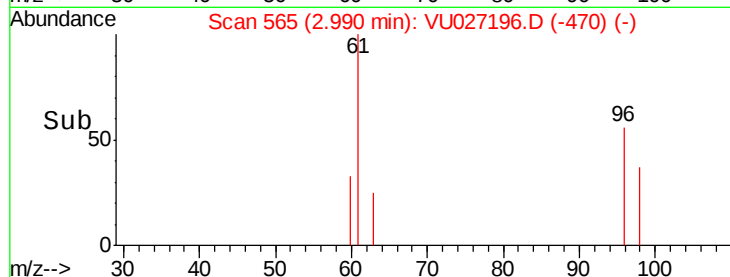


Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-549) (-)

Time-->



#27

cis-1,2-Dichloroethene

Concen: 28.923 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027196.D

Acq: 26 Sep 2018 23:14

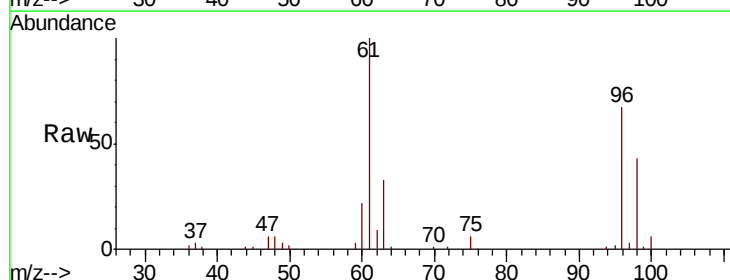
Tgt Ion: 96 Resp: 45936

Ion Ratio Lower Upper

96 100

61 152.3 0.0 337.2

98 64.7 0.0 127.6

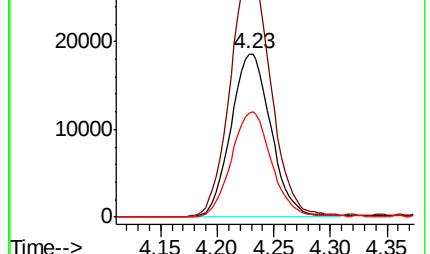
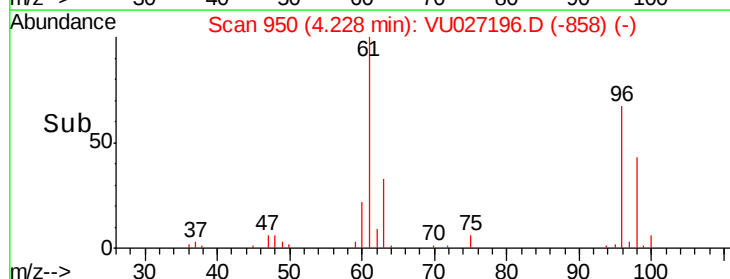


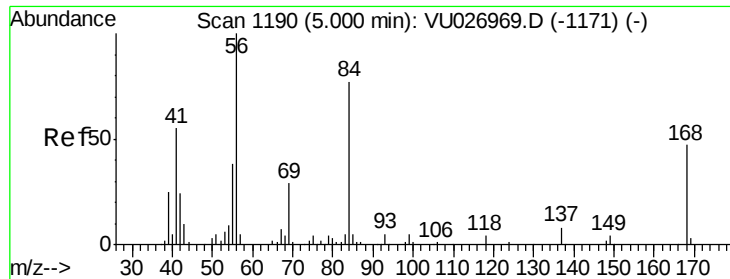
Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-933) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-933) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-933) (-)

Time-->

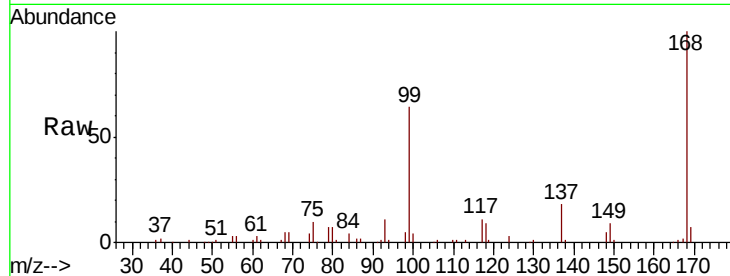




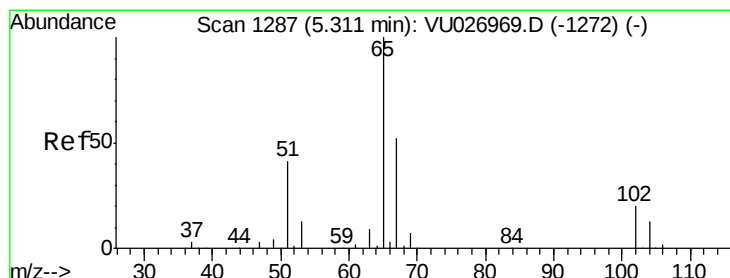
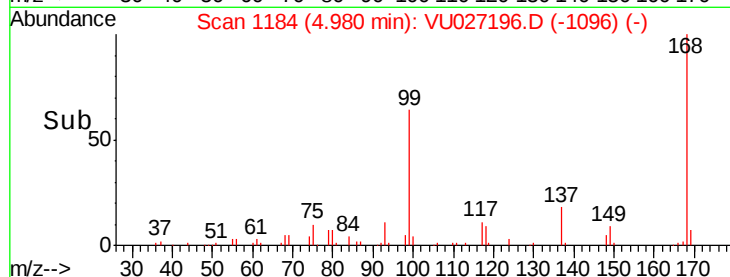
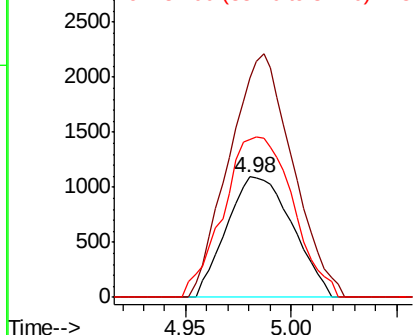
#31
Cyclohexane
Concen: 0.256 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU027196.D
Acq: 26 Sep 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
MW-125-SEP18DL

Tgt Ion: 56 Resp: 2368
Ion Ratio Lower Upper
56 100
69 182.2 23.0 34.4#
84 131.1 61.4 92.2#

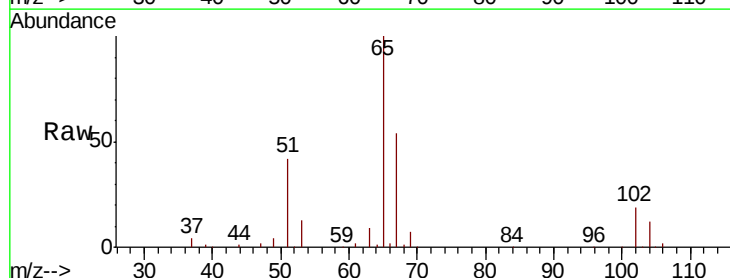


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

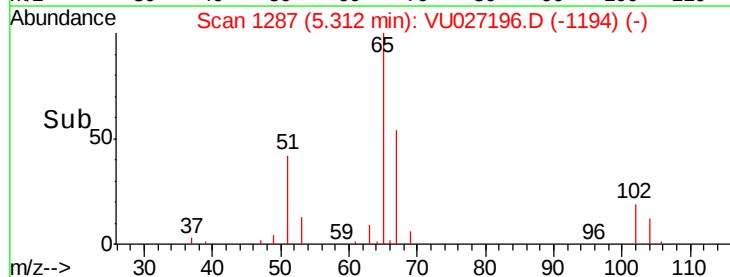
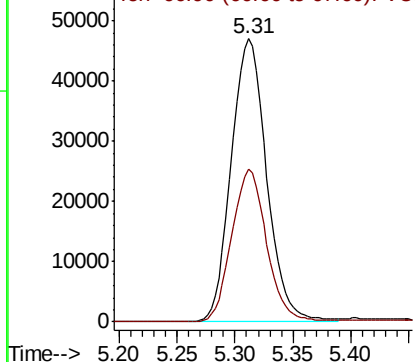


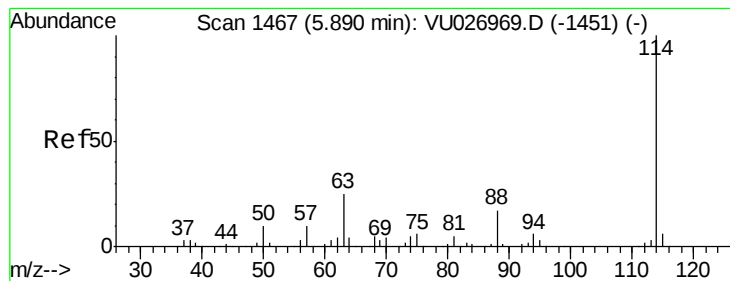
#33
1,2-Dichloroethane-d4
Concen: 52.005 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027196.D
Acq: 26 Sep 2018 23:14

Tgt Ion: 65 Resp: 99822
Ion Ratio Lower Upper
65 100
67 53.2 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: VU027196.D

Acq: 26 Sep 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

MW-125-SEP18DL

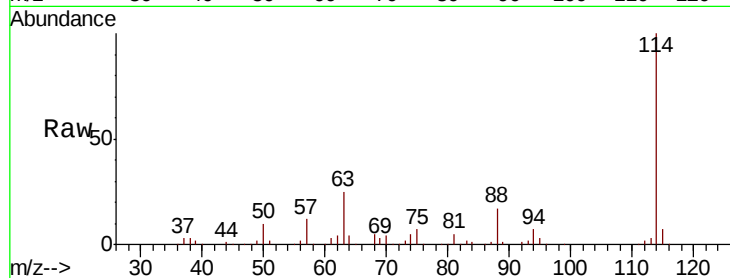
Tgt Ion:114 Resp: 158273

Ion Ratio Lower Upper

114 100

63 25.5 0.0 49.2

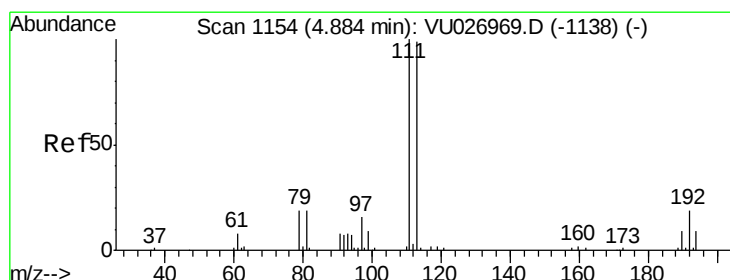
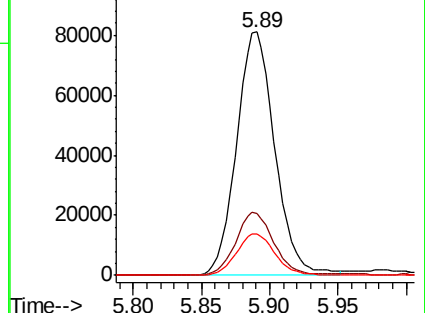
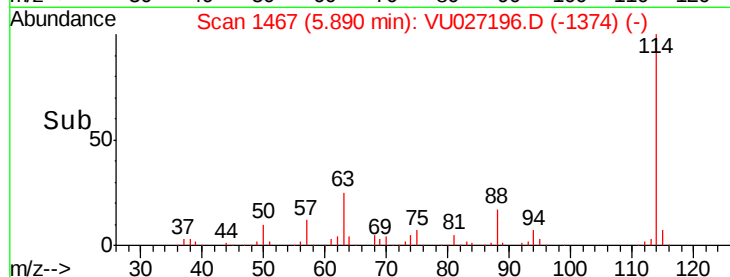
88 17.1 0.0 33.8



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: 50.524 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027196.D

Acq: 26 Sep 2018 23:14

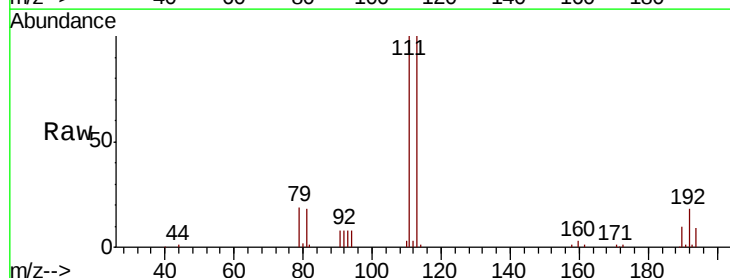
Tgt Ion:113 Resp: 69315

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

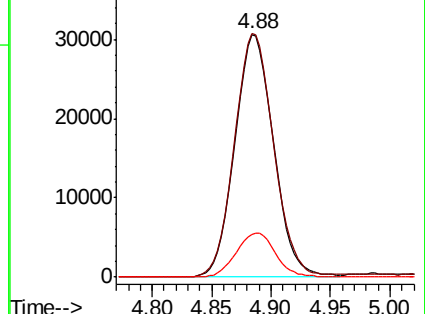
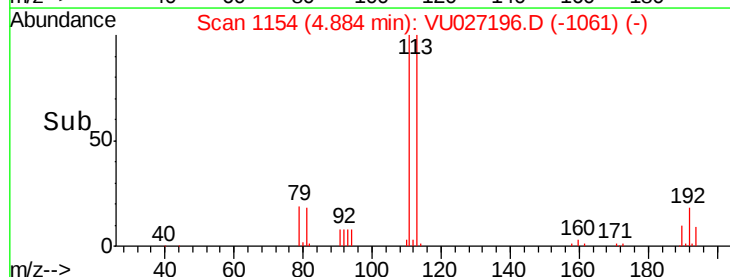
192 18.3 15.2 22.8

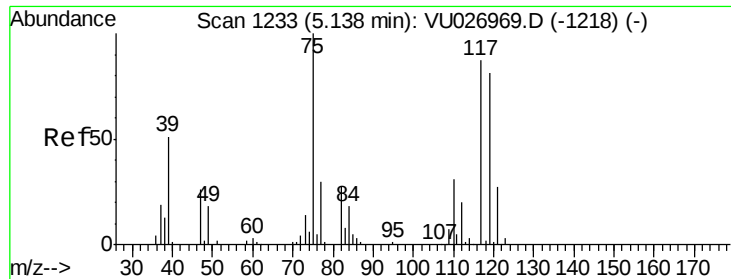


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

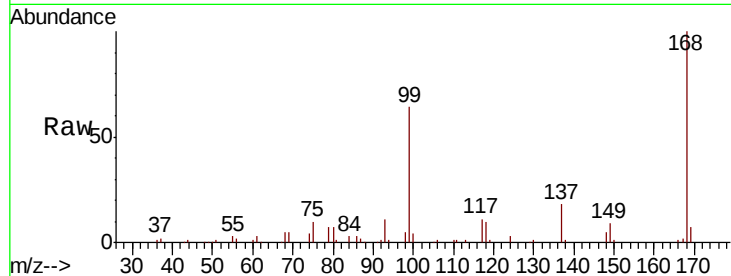




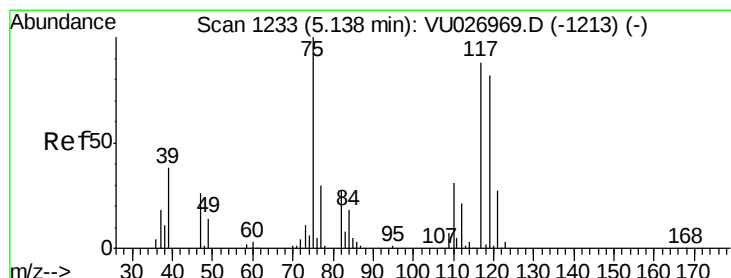
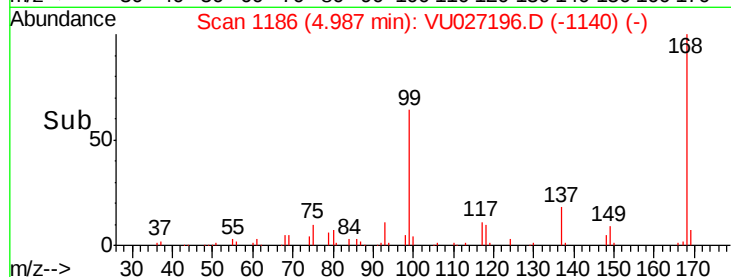
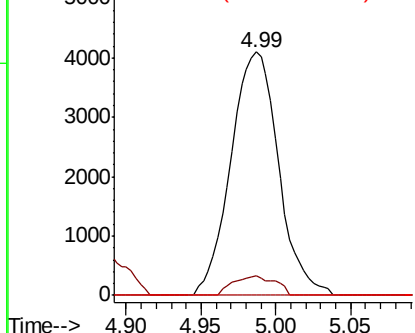
#36
 1,1-Dichloropropene
 Concen: 4.304 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027196.D
 Acq: 26 Sep 2018 23:14

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-125-SEP18DL

Tgt Ion: 75 Resp: 9092
 Ion Ratio Lower Upper
 75 100
 110 7.0 16.1 48.2#
 77 0.0 24.6 36.8#

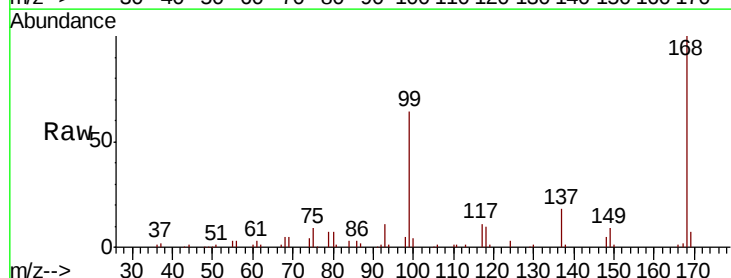


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

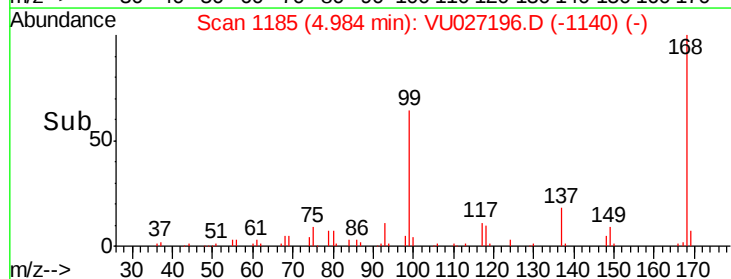
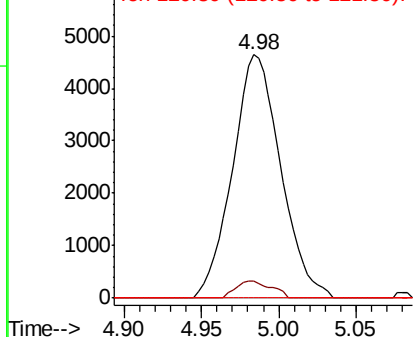


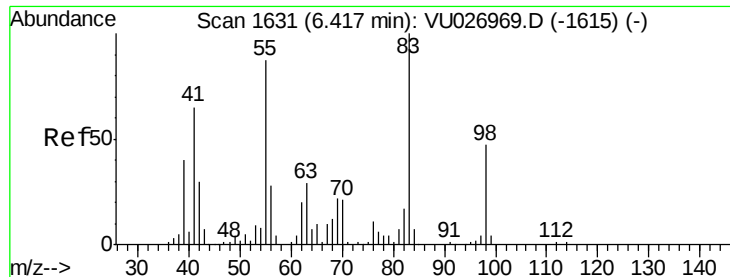
#38
 Carbon Tetrachloride
 Concen: 5.008 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027196.D
 Acq: 26 Sep 2018 23:14

Tgt Ion: 117 Resp: 10067
 Ion Ratio Lower Upper
 117 100
 119 6.9 74.4 111.6#
 121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 0.255 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.23 min

Lab File: VU027196.D

Acq: 26 Sep 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

MW-125-SEP18DL

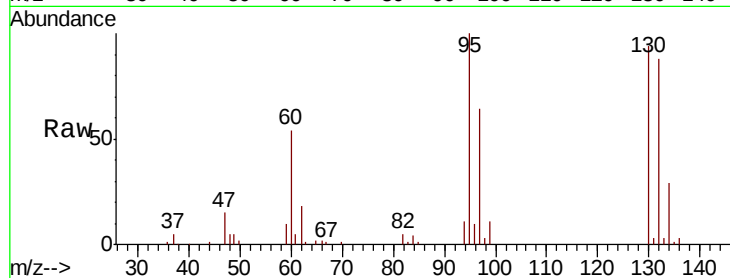
Tgt Ion: 83 Resp: 586

Ion Ratio Lower Upper

83 100

55 0.0 69.9 104.9#

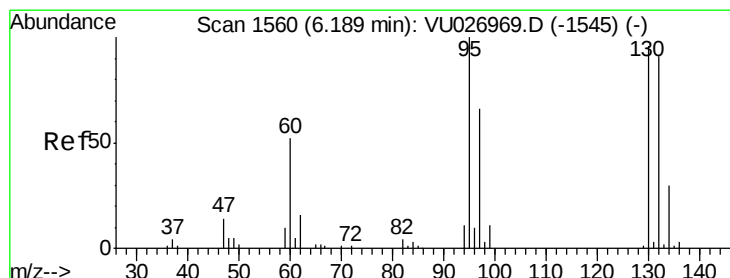
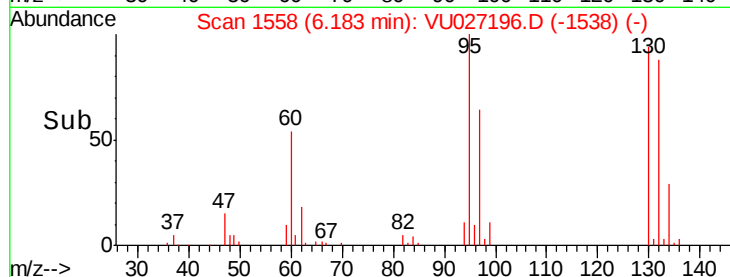
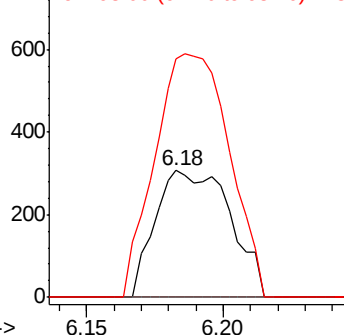
98 188.3 37.5 56.3#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#44

Trichloroethene

Concen: 31.358 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027196.D

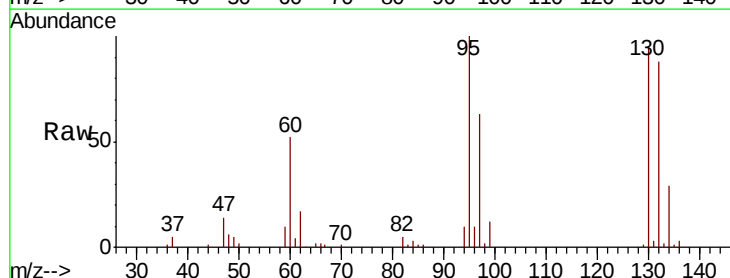
Acq: 26 Sep 2018 23:14

Tgt Ion: 130 Resp: 42868

Ion Ratio Lower Upper

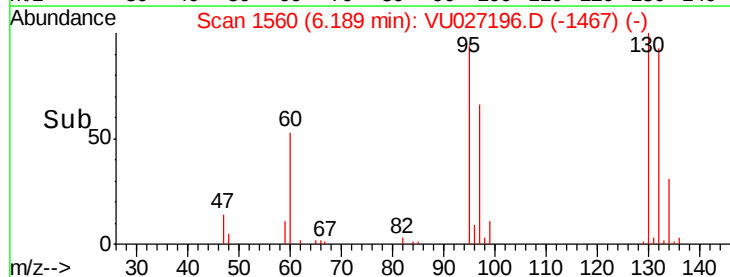
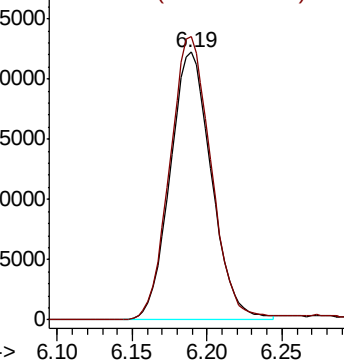
130 100

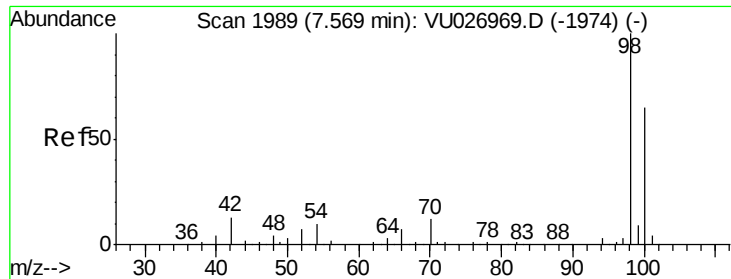
95 105.6 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

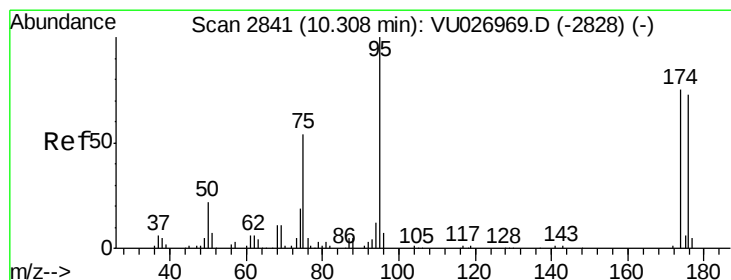
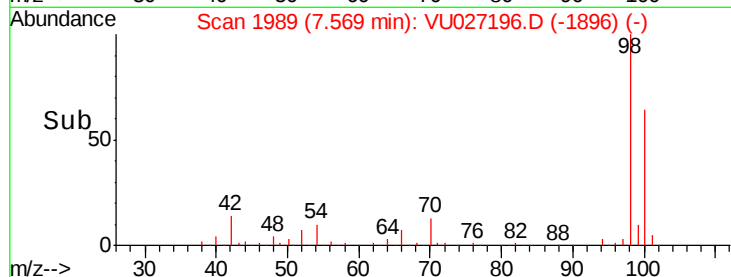
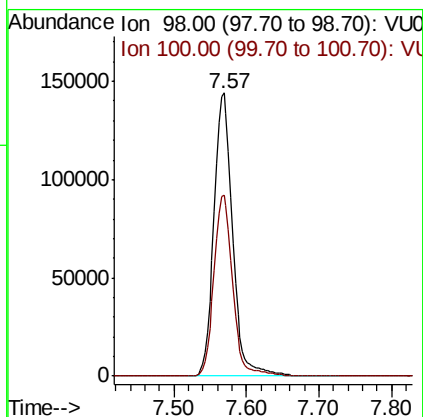
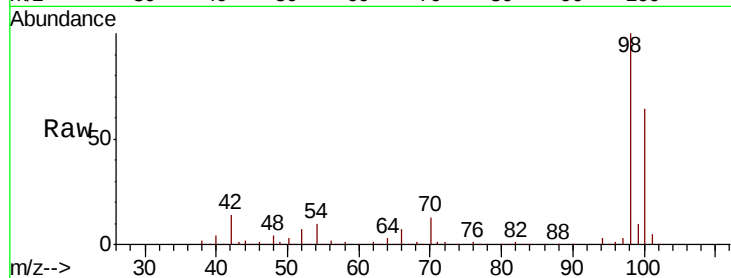




#50
Toluene-d8
Concen: 49.468 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027196.D
Acq: 26 Sep 2018 23:14

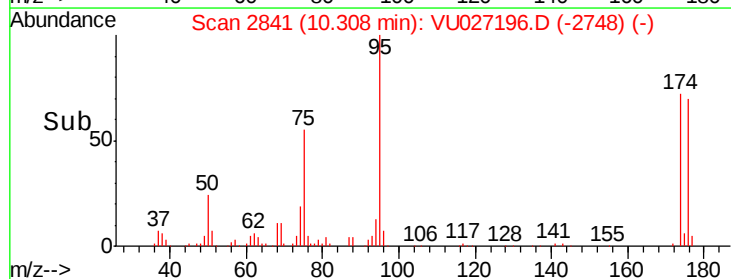
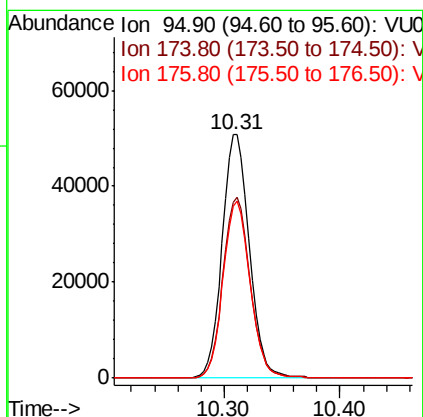
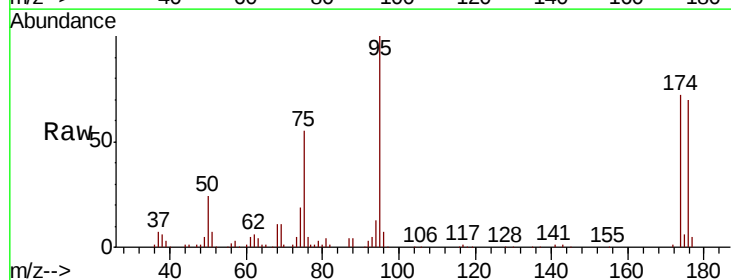
Instrument :
MSVOA_U
ClientSampleId :
MW-125-SEP18DL

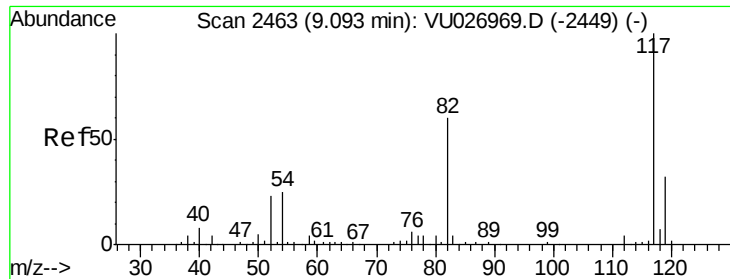
Tgt Ion: 98 Resp: 258639
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.942 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027196.D
Acq: 26 Sep 2018 23:14

Tgt Ion: 95 Resp: 82422
Ion Ratio Lower Upper
95 100
174 74.4 0.0 150.2
176 72.2 0.0 145.2

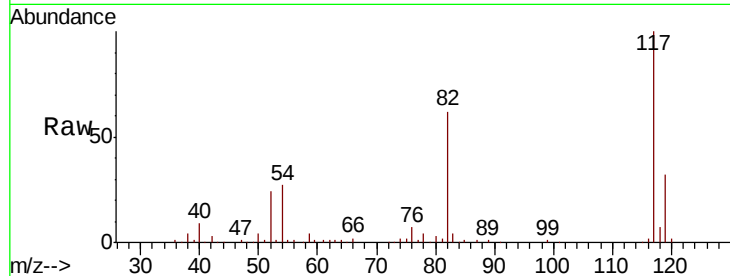




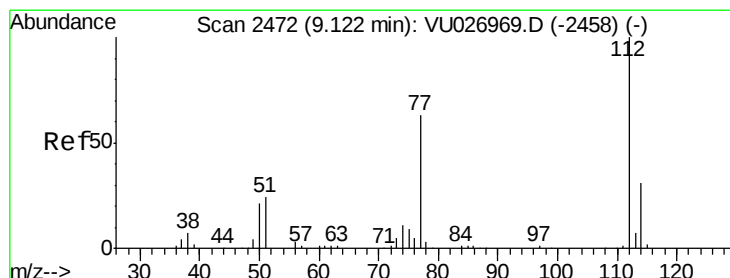
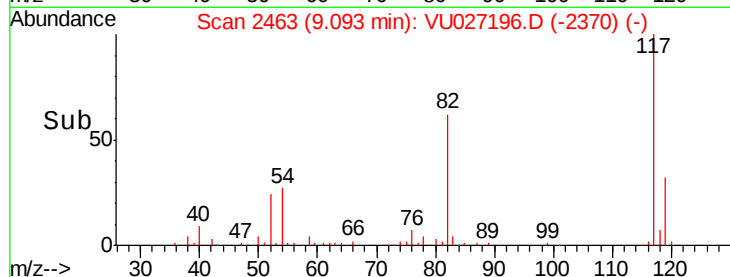
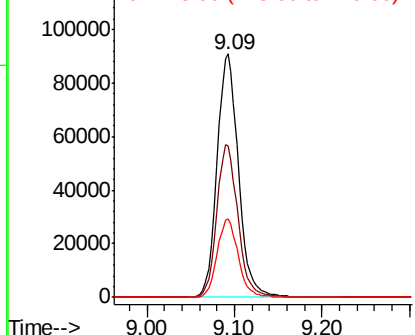
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027196.D
Acq: 26 Sep 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
MW-125-SEP18DL

Tgt Ion:117 Resp: 154716
Ion Ratio Lower Upper
117 100
82 62.3 48.0 72.0
119 32.2 25.8 38.8

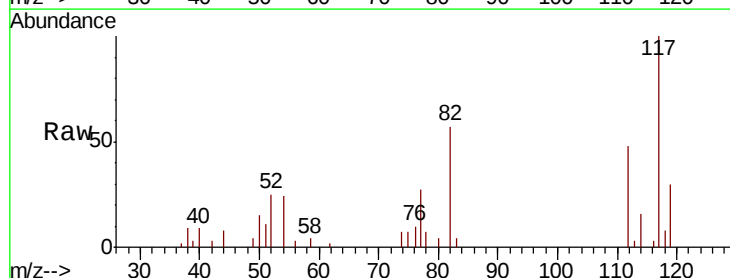


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

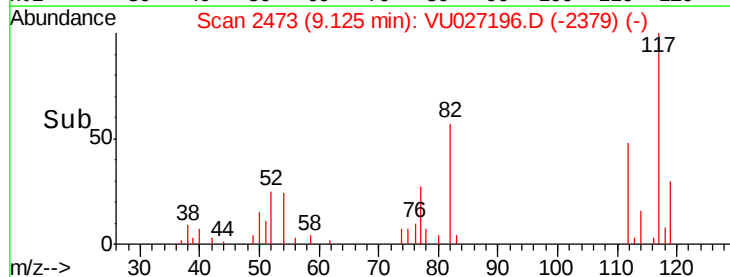
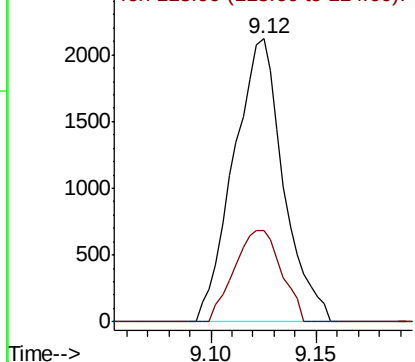


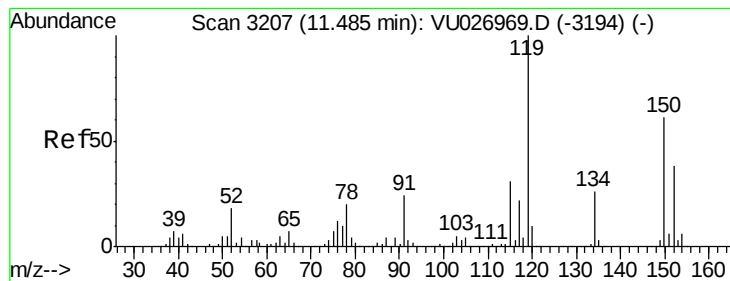
#65
Chlorobenzene
Concen: 0.847 ug/l
RT: 9.12 min Scan# 2473
Delta R.T. 0.00 min
Lab File: VU027196.D
Acq: 26 Sep 2018 23:14

Tgt Ion:112 Resp: 3476
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VU027196.D

Acq: 26 Sep 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

MW-125-SEP18DL

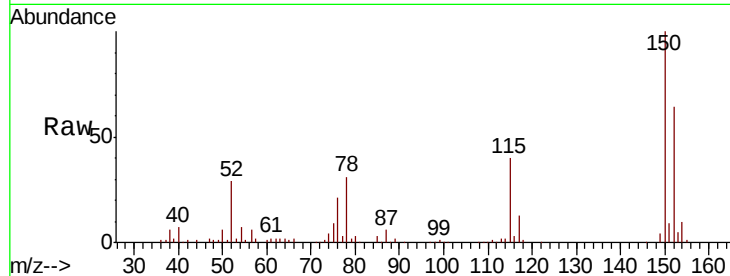
Tgt Ion:152 Resp: 71695

Ion Ratio Lower Upper

152 100

115 61.9 44.9 134.5

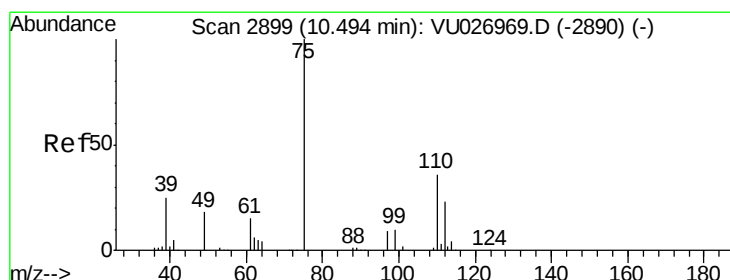
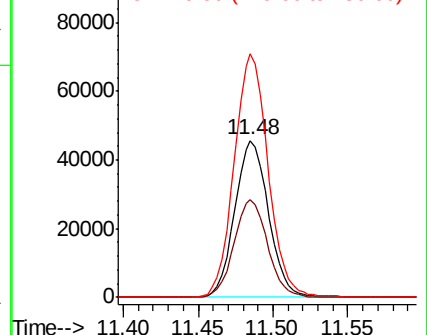
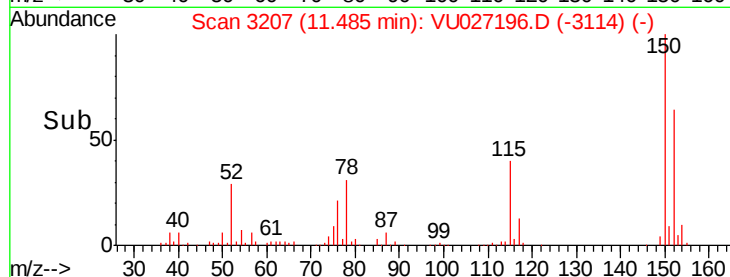
150 156.2 0.0 355.8



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



#76

1,2,3-Trichloropropane

Concen: 20.951 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.18 min

Lab File: VU027196.D

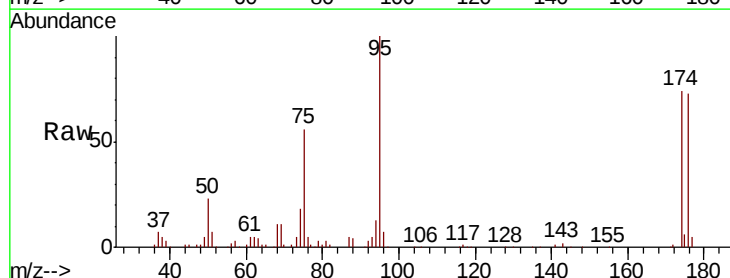
Acq: 26 Sep 2018 23:14

Tgt Ion: 75 Resp: 45632

Ion Ratio Lower Upper

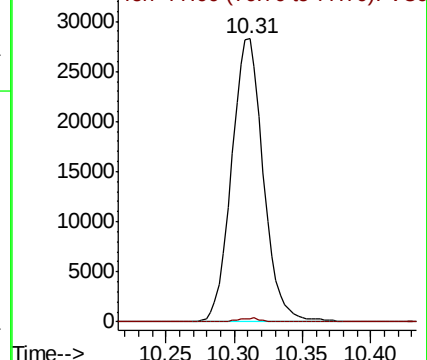
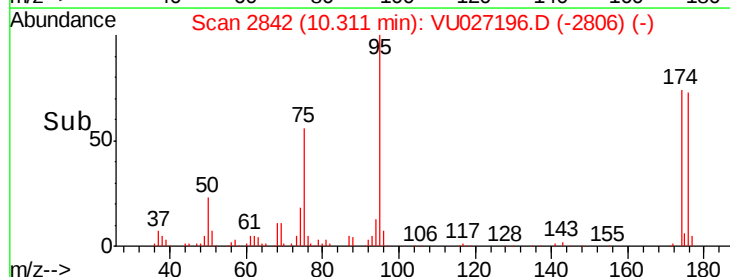
75 100

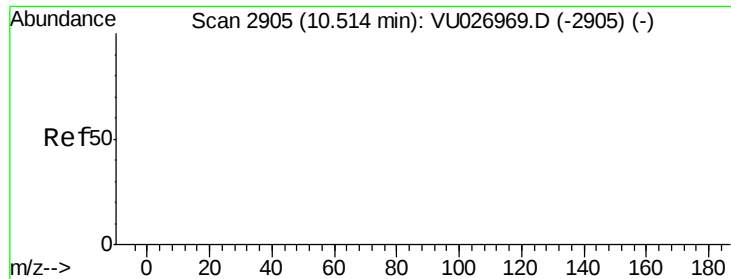
77 0.9 20.9 62.8#



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: 67.046 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.20 min

Lab File: VU027196.D

Acq: 26 Sep 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

MW-125-SEP18DL

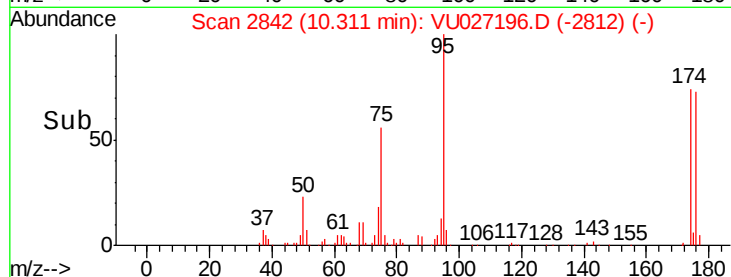
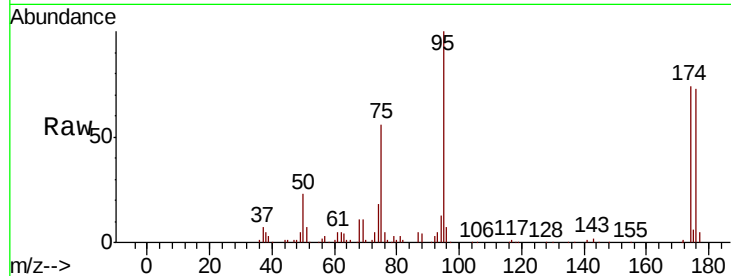
Tgt Ion: 75 Resp: 45632

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

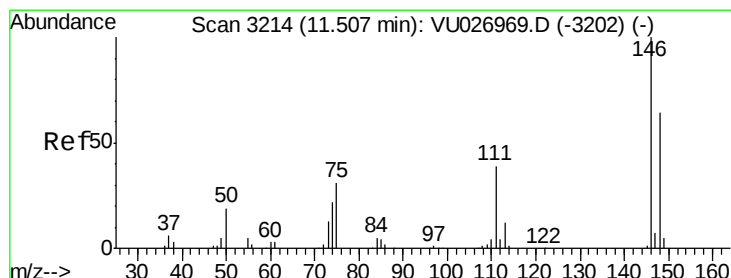
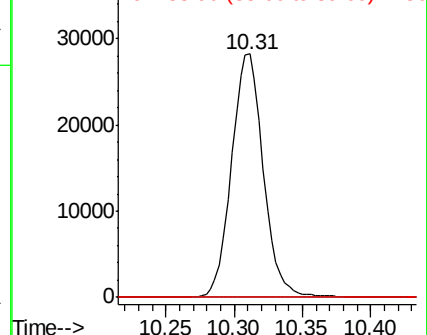
89 0.0 0.0 0.0



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



#88

1,4-Dichlorobenzene

Concen: 0.482 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027196.D

Acq: 26 Sep 2018 23:14

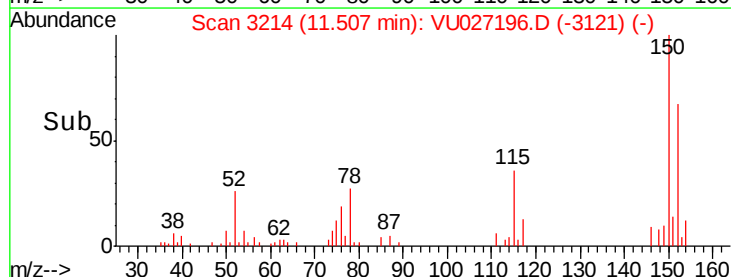
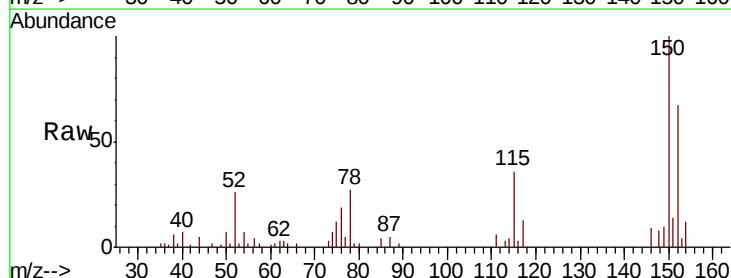
Tgt Ion: 146 Resp: 1304

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.9#

148 72.9 31.9 95.9



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

