

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
 Data File : VU027195.D
 Acq On : 26 Sep 2018 22:50
 Operator : MD/SY
 Sample : J5049-02DL 4X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-95-SEP18DL

Quant Time: Sep 27 02:46:42 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	94766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	159527	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70391	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	97625	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
35) Dibromofluoromethane	4.88	113	69461	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	7.57	98	251790	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	10.31	95	82112	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	

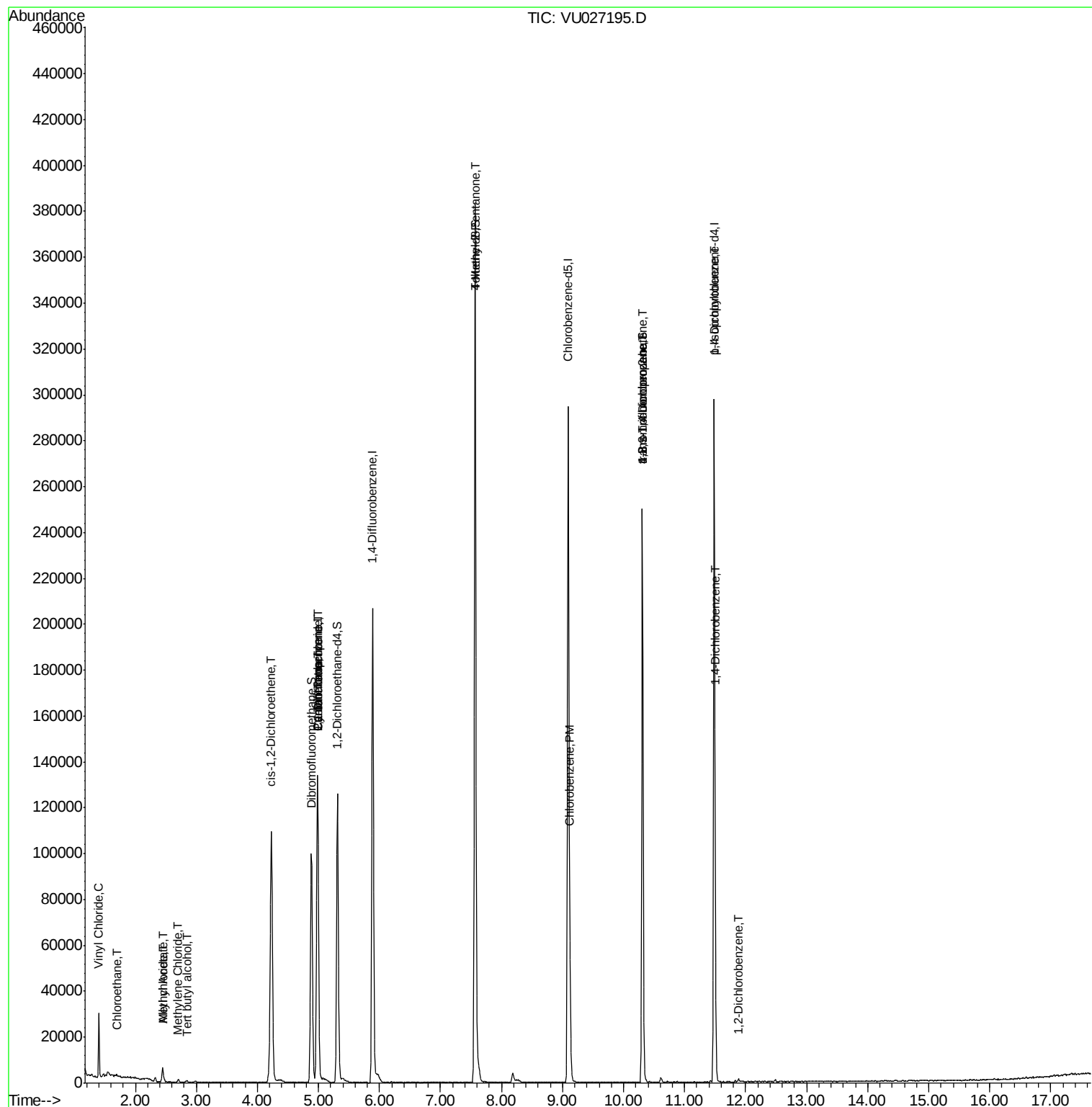
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	17617	8.847	ug/l	99
6) Chloroethane	1.70	64	728	0.572	ug/l	92
11) Tert butyl alcohol	2.84	59	396	0.906	ug/l #	72
14) Allyl chloride	2.44	41	778	0.293	ug/l #	79
16) Acetone	2.32	43	1923	Below Cal	#	81
18) Methyl Acetate	2.44	43	1599	0.589	ug/l #	55
20) Methylene Chloride	2.70	84	565	0.331	ug/l	89
27) cis-1,2-Dichloroethene	4.23	96	56200	35.611	ug/l	91
31) Cyclohexane	4.98	56	2558	0.329	ug/l #	3
36) 1,1-Dichloropropene	4.98	75	8782	4.125	ug/l #	50
38) Carbon Tetrachloride	4.99	117	9676	4.776	ug/l #	19
51) 4-Methyl-2-Pentanone	7.57	43	1322	0.468	ug/l #	1
65) Chlorobenzene	9.12	112	22803	5.682	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	44738	20.921	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44738	66.950	ug/l #	100
86) p-Isopropyltoluene	11.48	119	46	0.937	ug/l #	1
88) 1,4-Dichlorobenzene	11.51	146	5370	2.024	ug/l	83
91) 1,2-Dichlorobenzene	11.89	146	603	0.233	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027195.D

Acq: 26 Sep 2018 22:50

Instrument :

MSVOA_U

ClientSampleId :

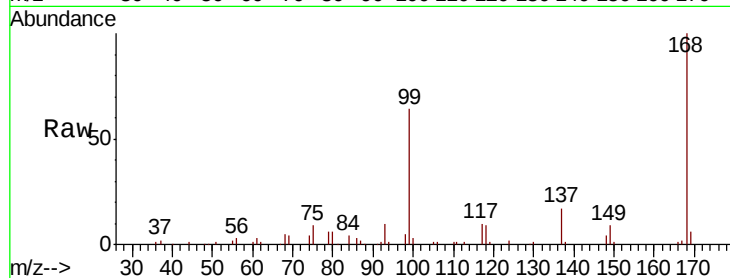
MW-95-SEP18DL

Tgt Ion:168 Resp: 94766

Ion Ratio Lower Upper

168 100

99 63.9 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

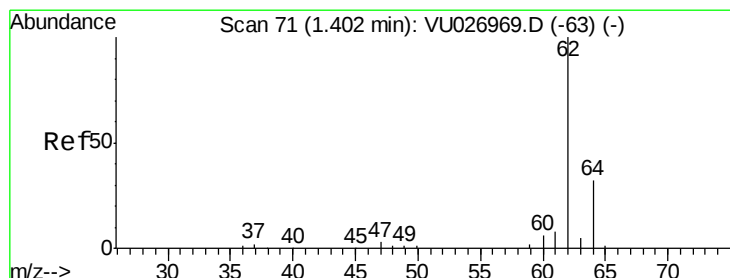
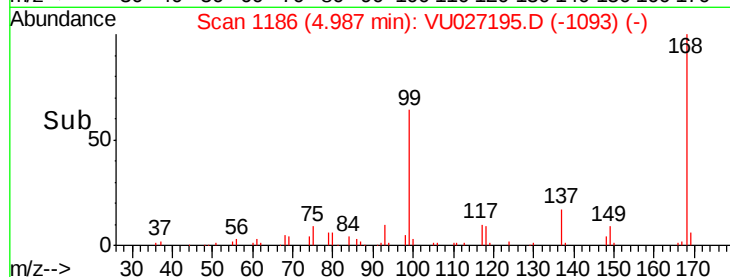
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#4

Vinyl Chloride

Concen: 8.847 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027195.D

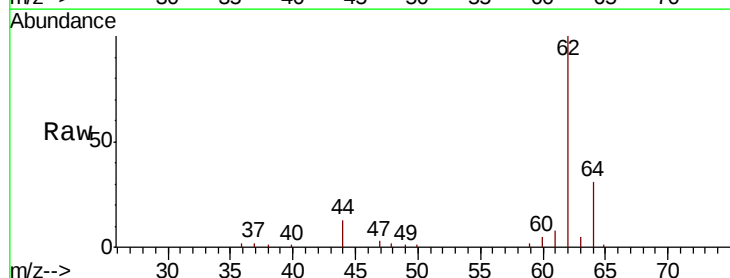
Acq: 26 Sep 2018 22:50

Tgt Ion: 62 Resp: 17617

Ion Ratio Lower Upper

62 100

64 31.4 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

20000

15000

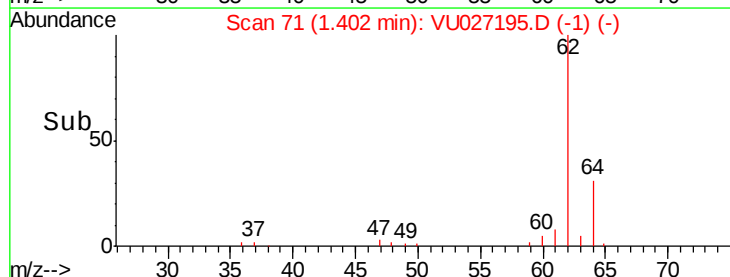
10000

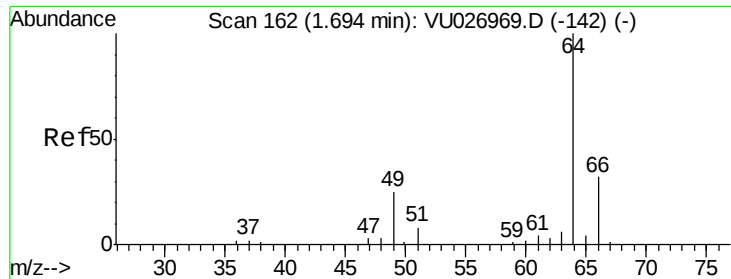
5000

0

1.35 1.40 1.45

Time-->





#6

Chloroethane

Concen: 0.572 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027195.D

Acq: 26 Sep 2018 22:50

Instrument :

MSVOA_U

ClientSampleId :

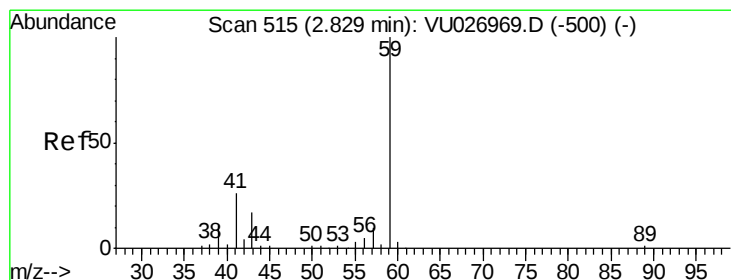
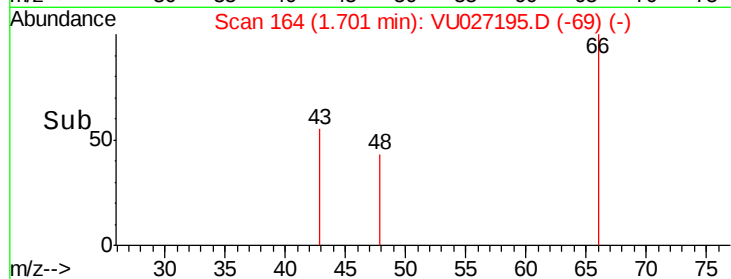
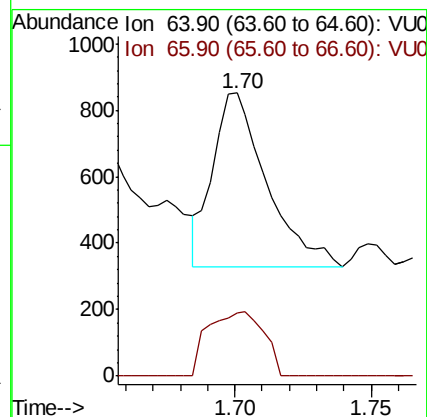
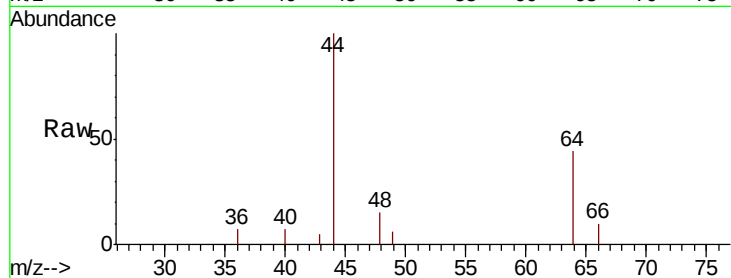
MW-95-SEP18DL

Tgt Ion: 64 Resp: 728

Ion Ratio Lower Upper

64 100

66 35.8 25.3 37.9



#11

Tert butyl alcohol

Concen: 0.906 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027195.D

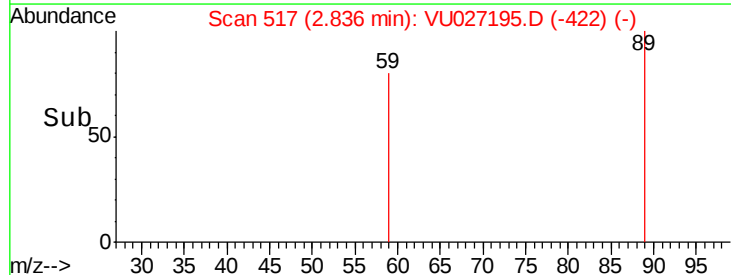
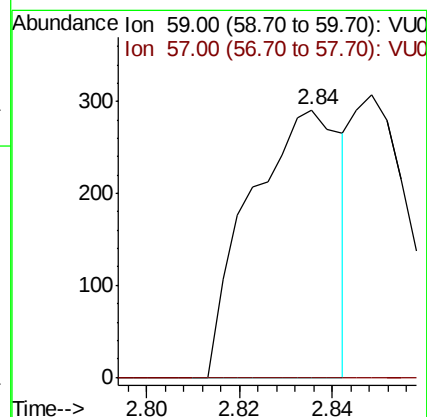
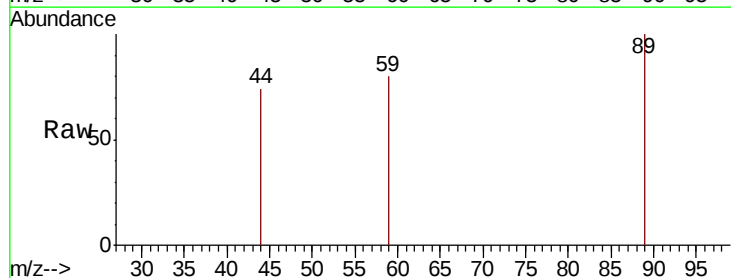
Acq: 26 Sep 2018 22:50

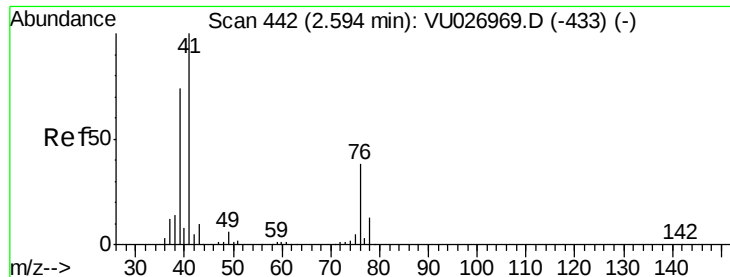
Tgt Ion: 59 Resp: 396

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#14

Allyl chloride

Concen: 0.293 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU027195.D

Acq: 26 Sep 2018 22:50

Instrument :

MSVOA_U

ClientSampleId :

MW-95-SEP18DL

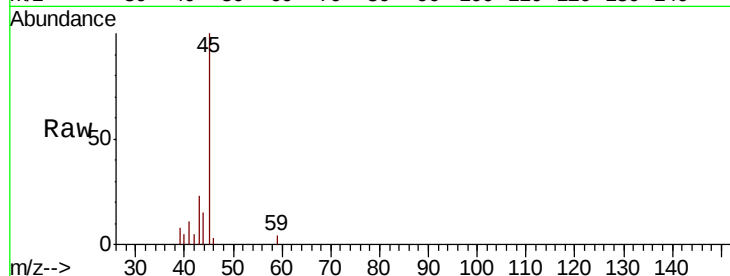
Tgt Ion: 41 Resp: 778

Ion Ratio Lower Upper

41 100

39 72.8 55.7 83.5

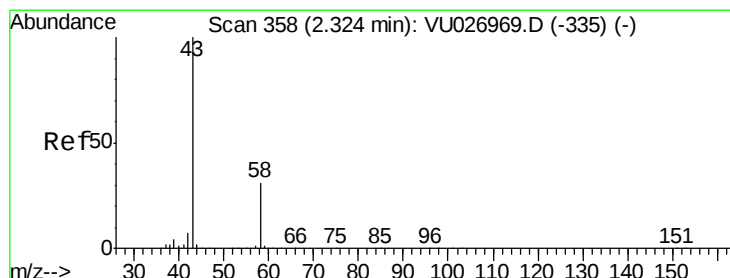
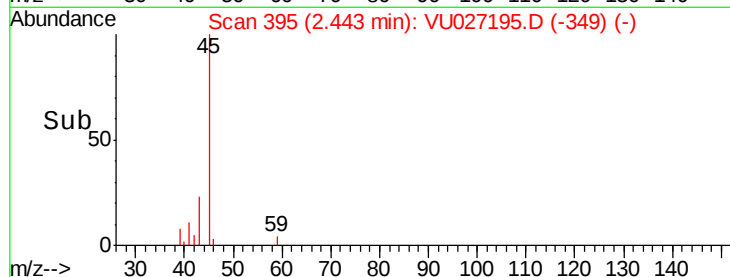
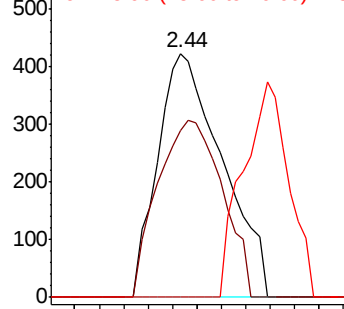
76 0.0 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027195.D

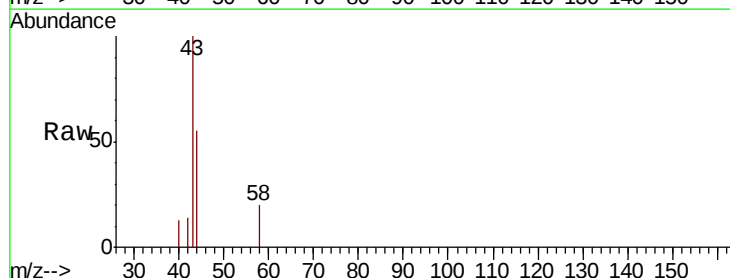
Acq: 26 Sep 2018 22:50

Tgt Ion: 43 Resp: 1923

Ion Ratio Lower Upper

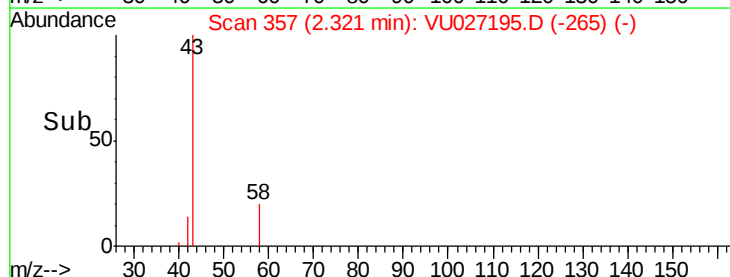
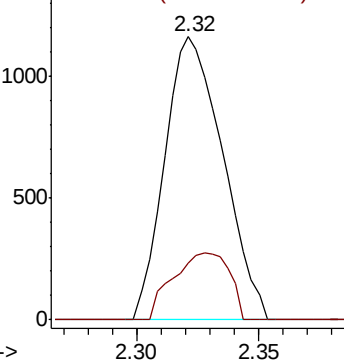
43 100

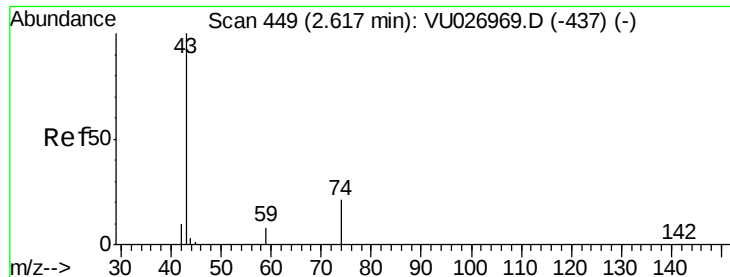
58 20.1 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

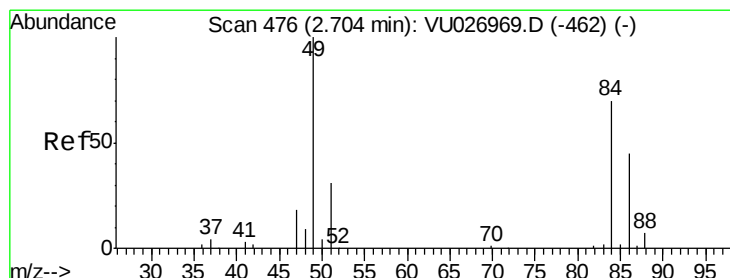
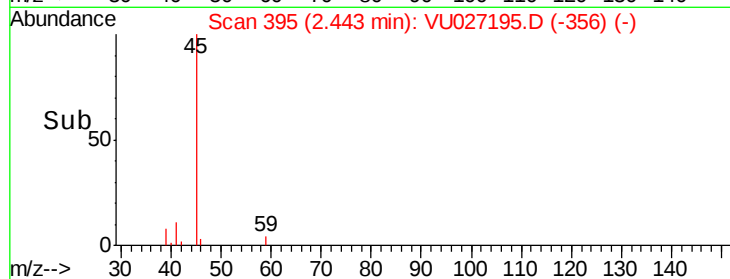
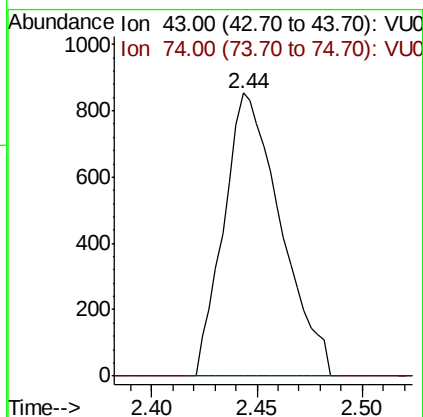
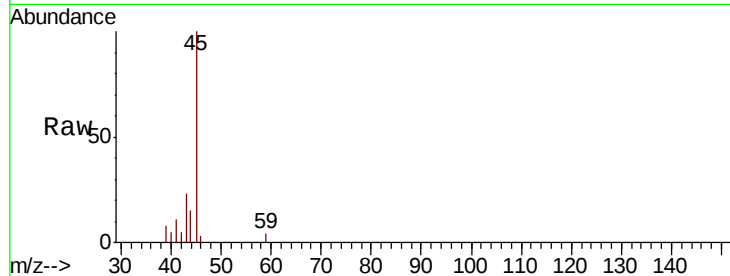




#18
Methyl Acetate
Concen: 0.589 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027195.D
Acq: 26 Sep 2018 22:50

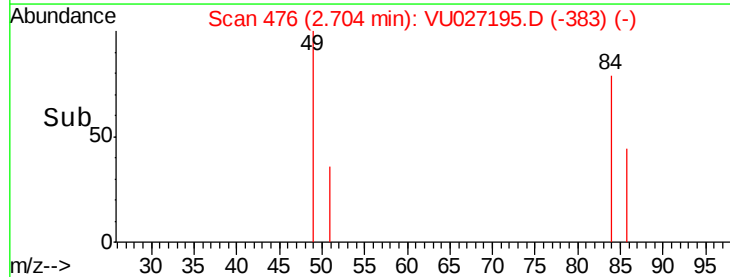
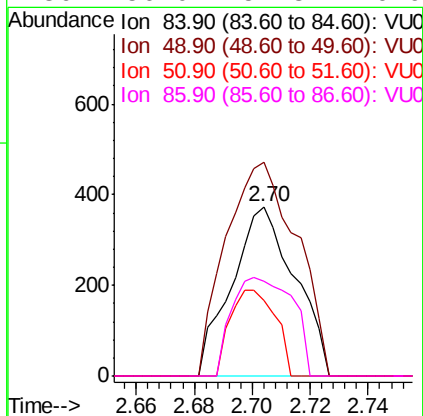
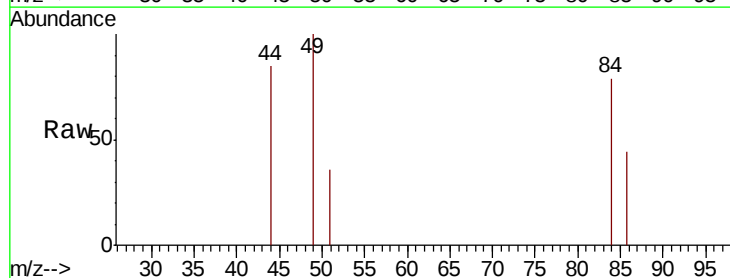
Instrument :
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ClientSampleId :
MW-95-SEP18DL

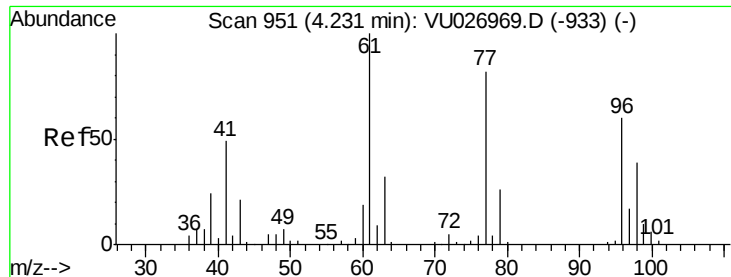
Tgt Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 0.331 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027195.D
Acq: 26 Sep 2018 22:50

Tgt Ion: 84 Resp: 565
Ion Ratio Lower Upper
84 100
49 126.3 114.9 172.3
51 45.0 35.8 53.8
86 56.0 51.3 76.9



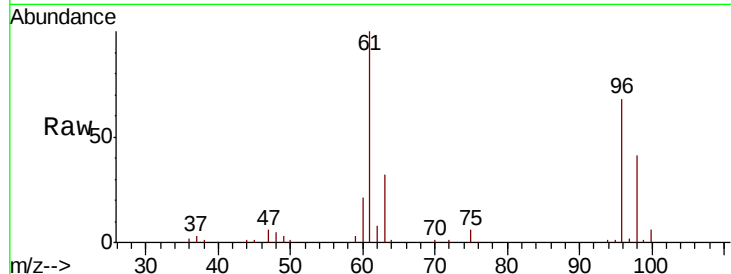


#27

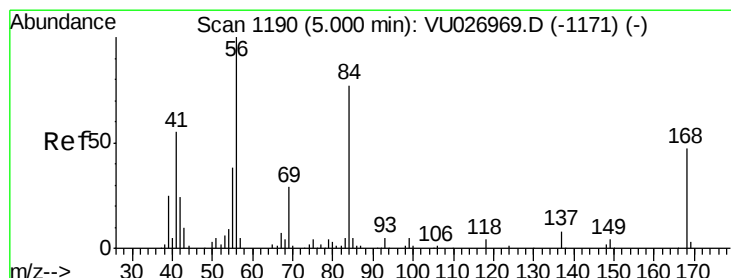
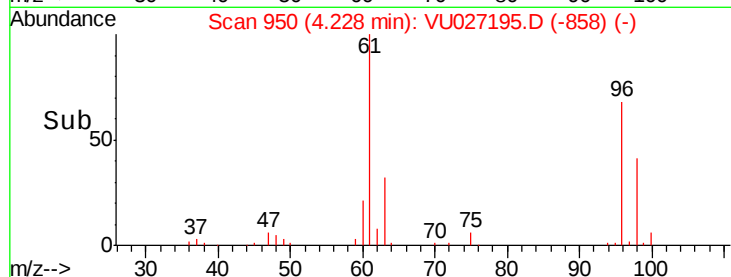
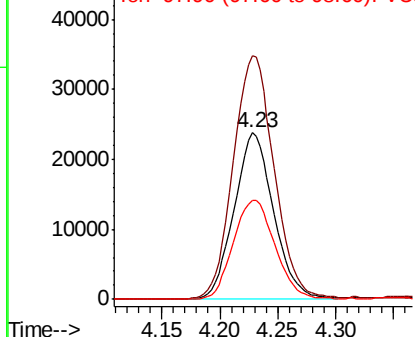
cis-1,2-Dichloroethene
 Concen: 35.611 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027195.D
 Acq: 26 Sep 2018 22:50

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-95-SEP18DL

Tgt Ion: 96 Resp: 56200
 Ion Ratio Lower Upper
 96 100
 61 151.9 0.0 337.2
 98 63.2 0.0 127.6



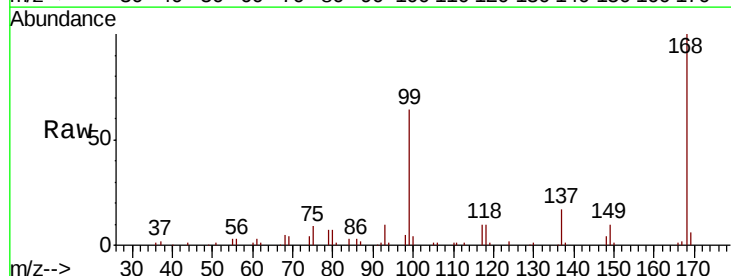
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



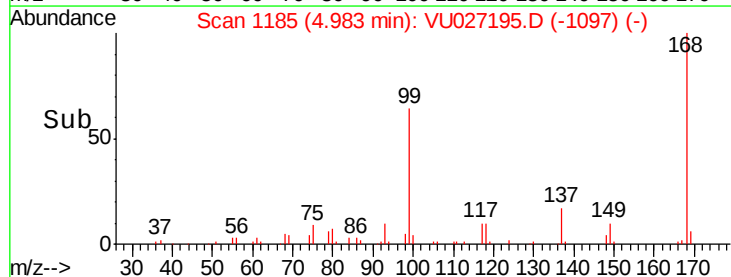
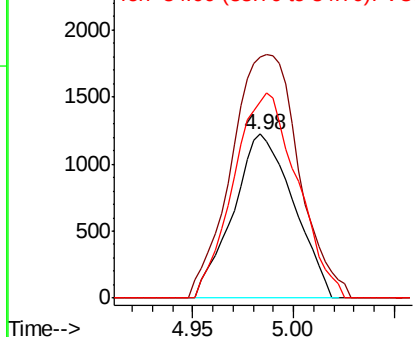
#31

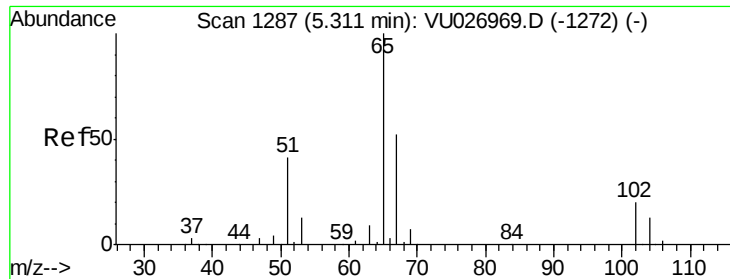
Cyclohexane
 Concen: 0.329 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: VU027195.D
 Acq: 26 Sep 2018 22:50

Tgt Ion: 56 Resp: 2558
 Ion Ratio Lower Upper
 56 100
 69 146.9 23.0 34.4#
 84 119.7 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

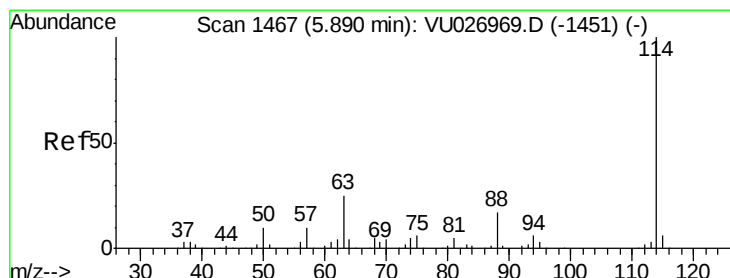
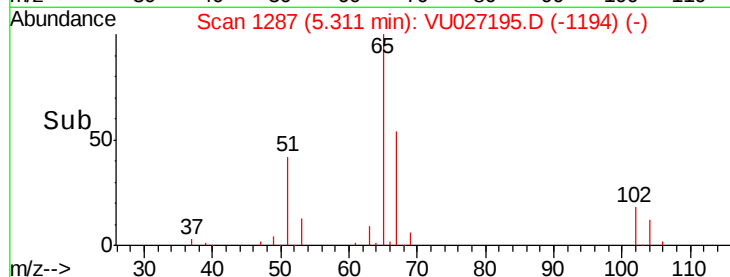
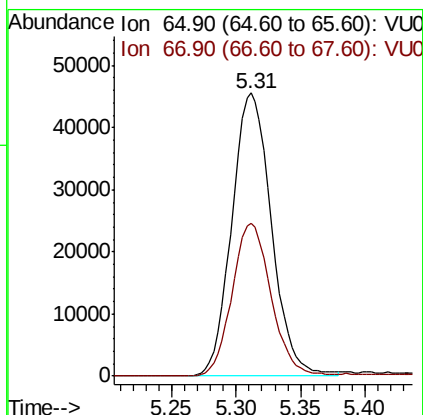
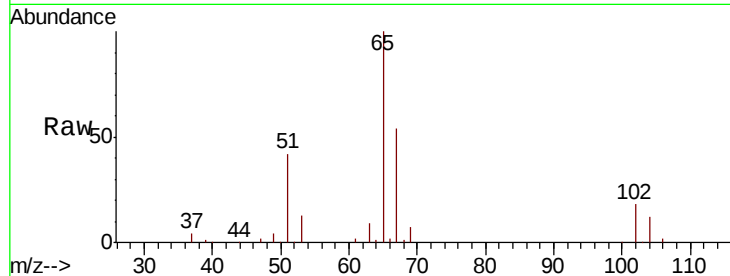




#33
 1,2-Dichloroethane-d4
 Concen: 51.184 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027195.D
 Acq: 26 Sep 2018 22:50

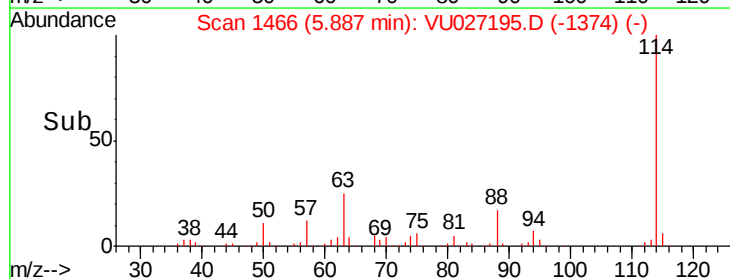
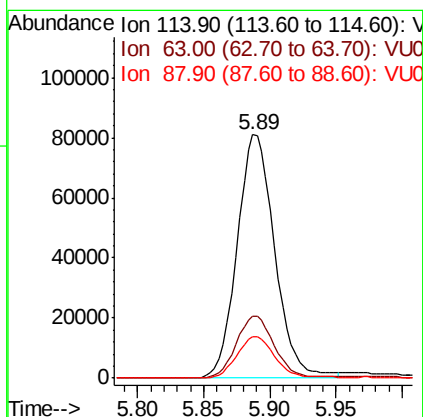
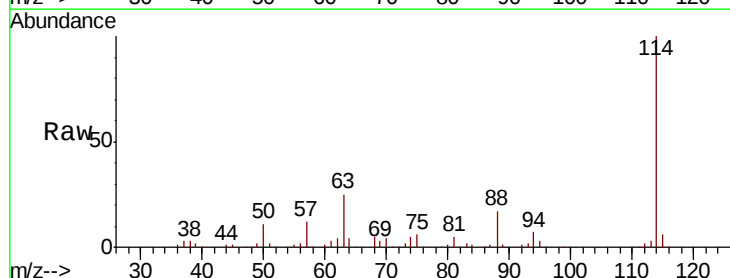
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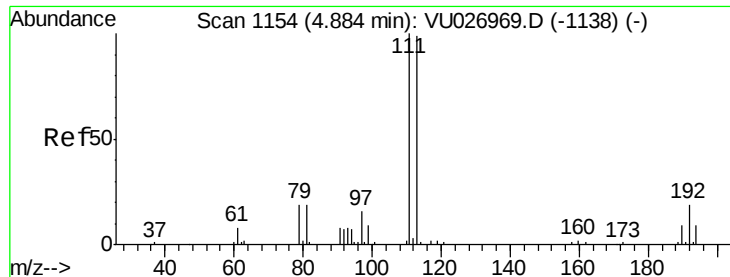
Tgt Ion: 65 Resp: 97625
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027195.D
 Acq: 26 Sep 2018 22:50

Tgt Ion: 114 Resp: 159527
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 49.2
 88 16.9 0.0 33.8

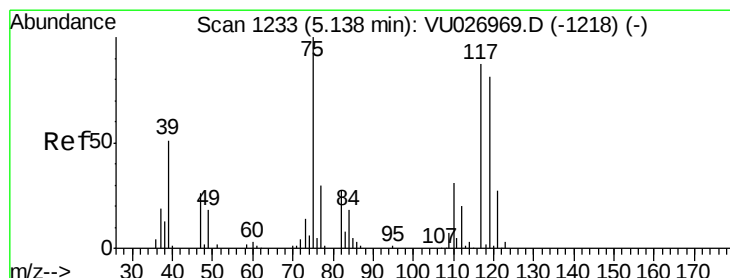
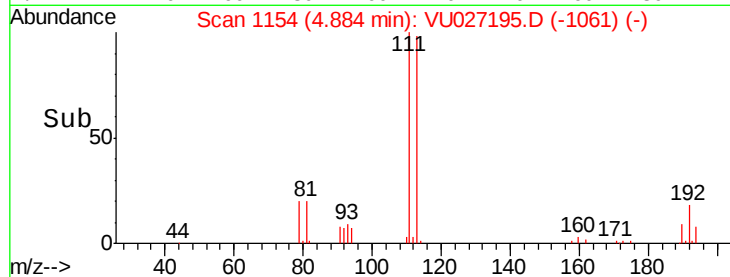
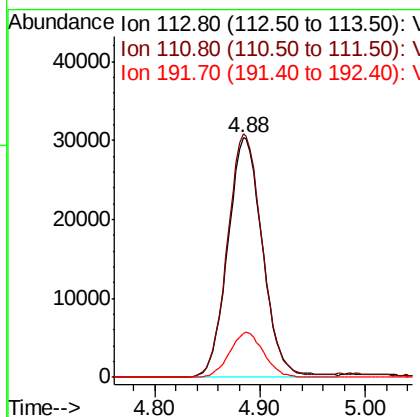
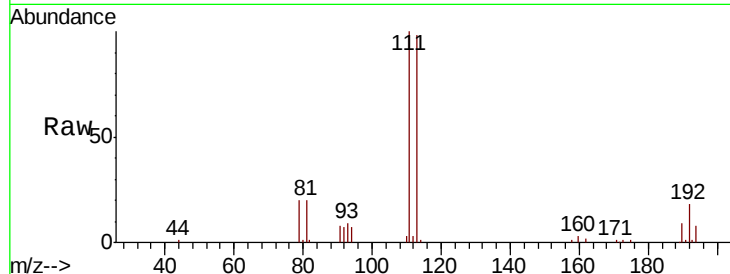




#35
 Dibromofluoromethane
 Concen: 50.233 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027195.D
 Acq: 26 Sep 2018 22:50

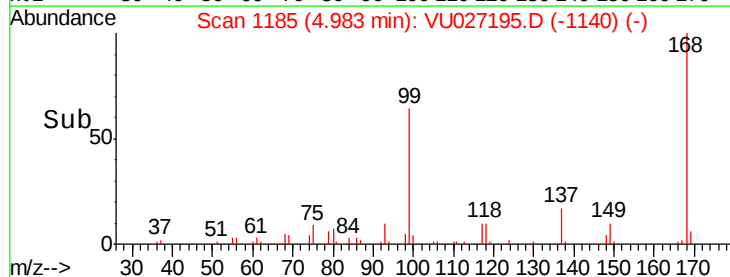
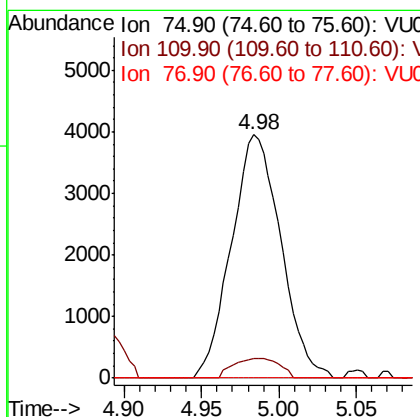
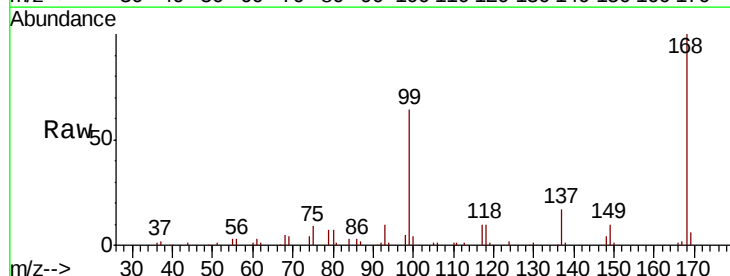
Instrument :
 MSVOA_U
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 MW-95-SEP18DL

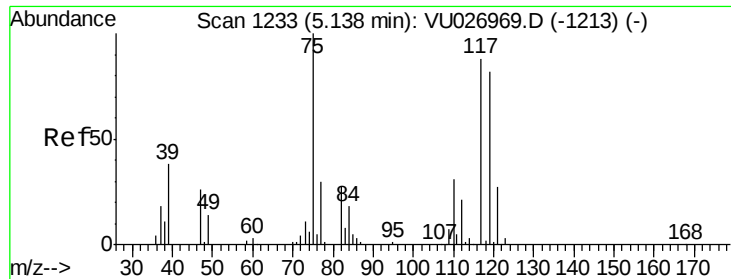
Tgt Ion:113 Resp: 69461
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.2 123.4
 192 18.5 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.125 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027195.D
 Acq: 26 Sep 2018 22:50

Tgt Ion: 75 Resp: 8782
 Ion Ratio Lower Upper
 75 100
 110 7.6 16.1 48.2#
 77 0.0 24.6 36.8#

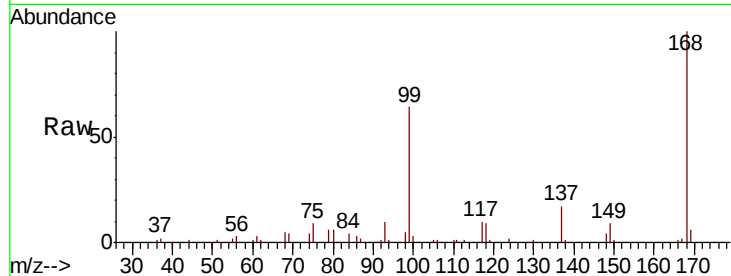




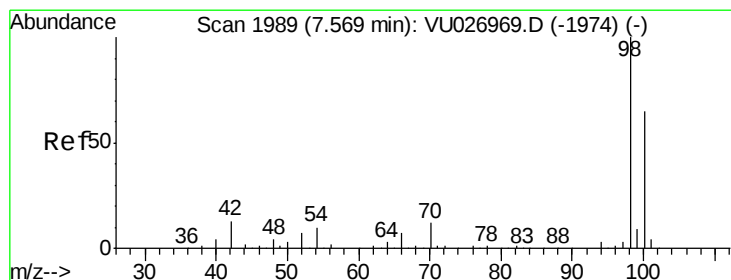
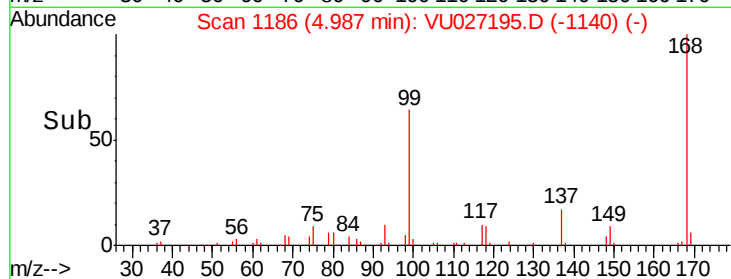
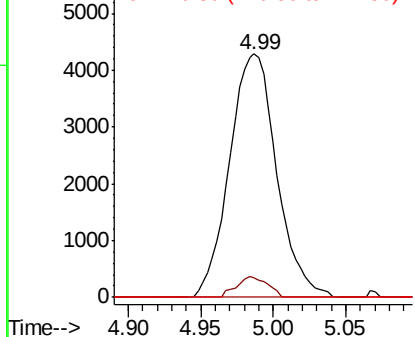
#38
Carbon Tetrachloride
Concen: 4.776 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027195.D
Acq: 26 Sep 2018 22:50

Instrument :
MSVOA_U
ClientSampleId :
MW-95-SEP18DL

Tgt Ion:117 Resp: 9676
Ion Ratio Lower Upper
117 100
119 7.9 74.4 111.6#
121 0.0 24.2 36.4#

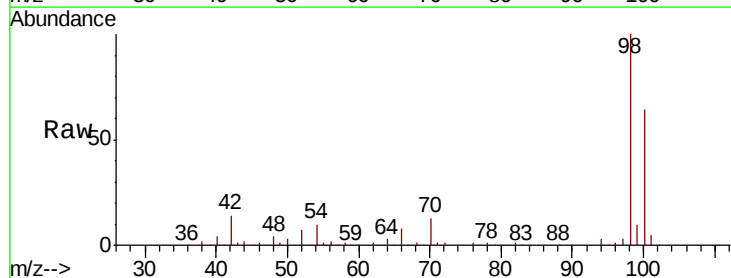


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

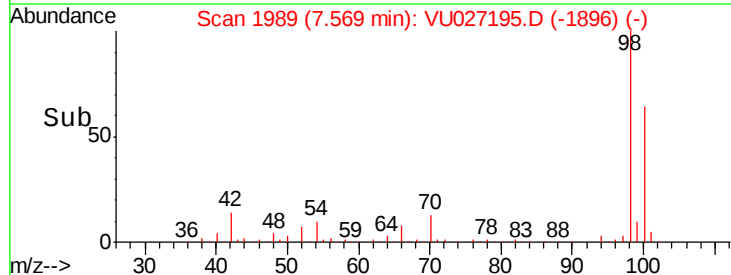
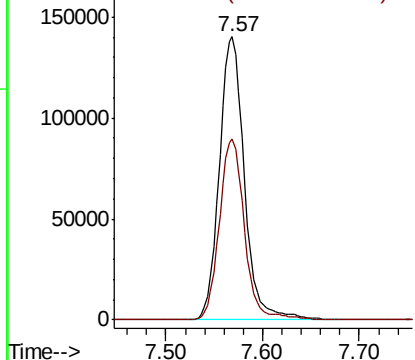


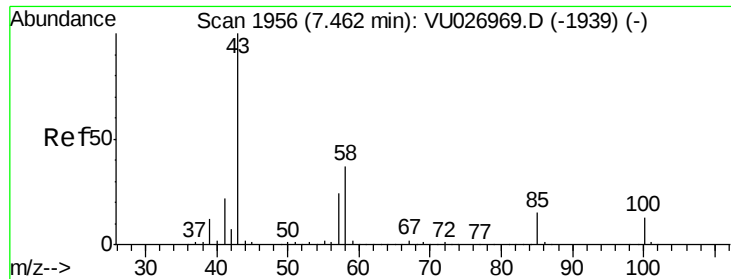
#50
Toluene-d8
Concen: 47.779 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027195.D
Acq: 26 Sep 2018 22:50

Tgt Ion: 98 Resp: 251790
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

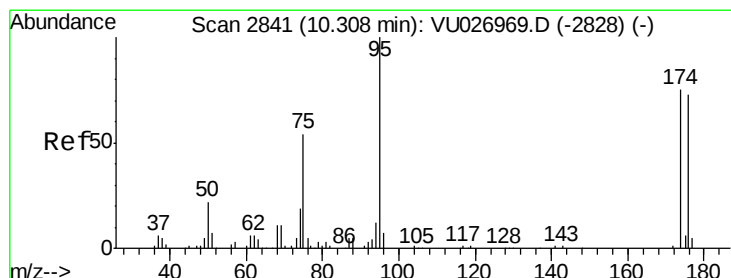
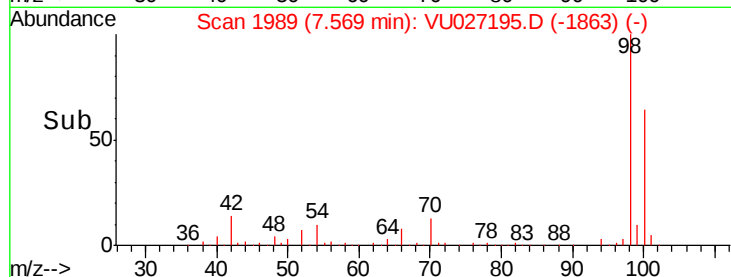
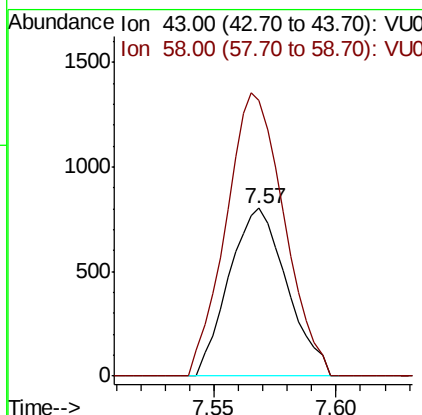
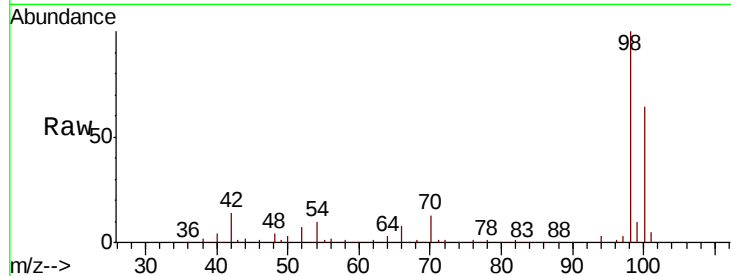




#51
 4-Methyl-2-Pentanone
 Concen: 0.468 ug/l
 RT: 7.57 min Scan# 1989
 Delta R.T. 0.11 min
 Lab File: VU027195.D
 Acq: 26 Sep 2018 22:50

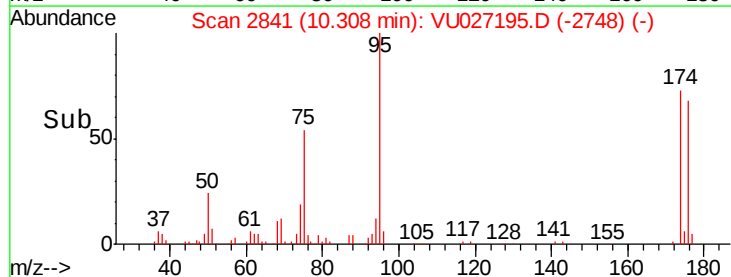
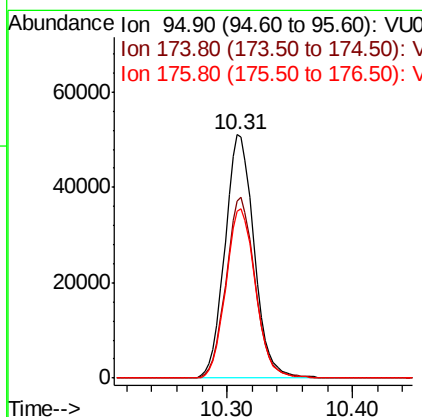
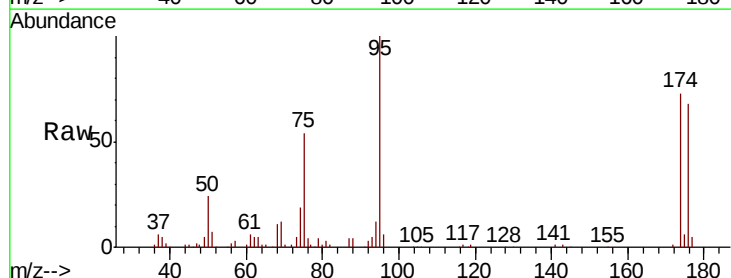
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-95-SEP18DL

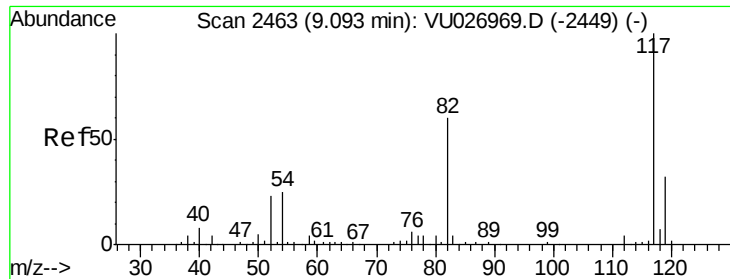
Tgt Ion: 43 Resp: 1322
 Ion Ratio Lower Upper
 43 100
 58 168.9 29.8 44.6#



#62
 4-Bromofluorobenzene
 Concen: 45.410 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027195.D
 Acq: 26 Sep 2018 22:50

Tgt Ion: 95 Resp: 82112
 Ion Ratio Lower Upper
 95 100
 174 74.2 0.0 150.2
 176 70.9 0.0 145.2

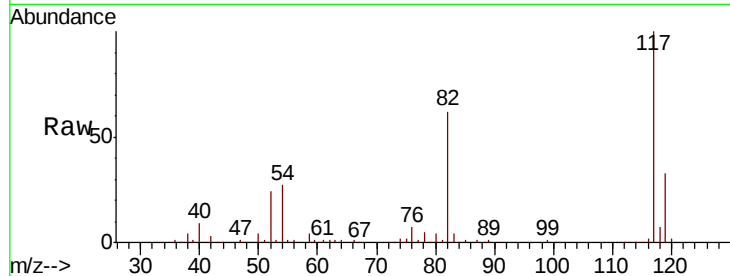




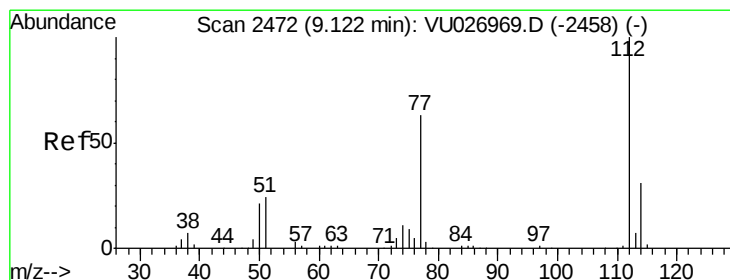
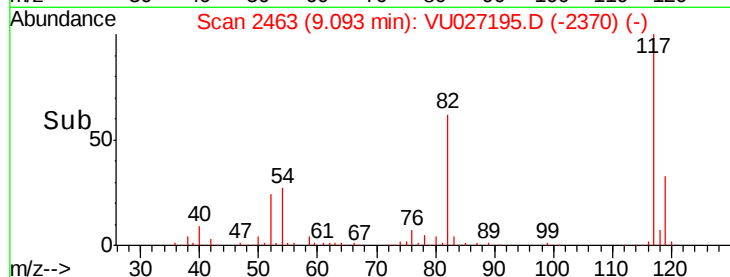
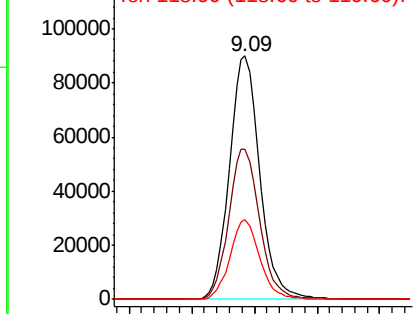
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027195.D
Acq: 26 Sep 2018 22:50

Instrument :
MSVOA_U
ClientSampleId :
MW-95-SEP18DL

Tgt Ion:117 Resp: 151345
Ion Ratio Lower Upper
117 100
82 61.6 48.0 72.0
119 32.6 25.8 38.8

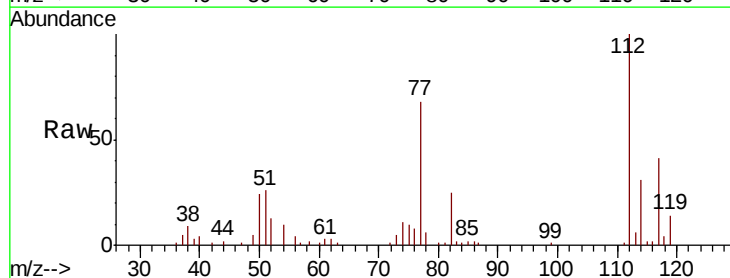


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

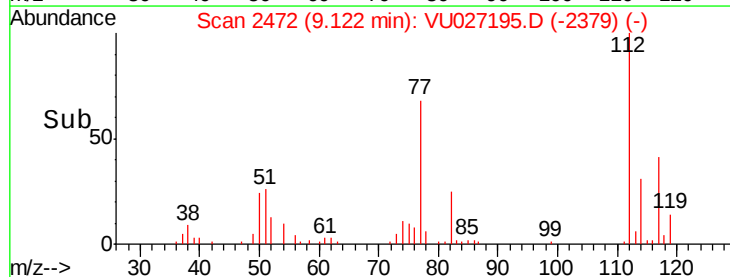
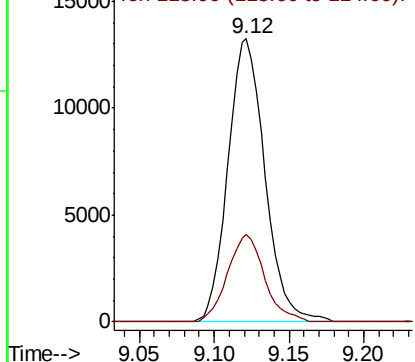


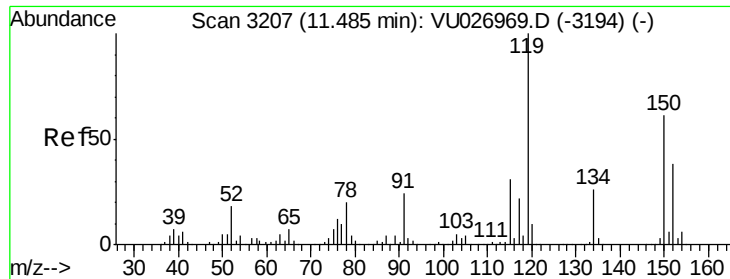
#65
Chlorobenzene
Concen: 5.682 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027195.D
Acq: 26 Sep 2018 22:50

Tgt Ion:112 Resp: 22803
Ion Ratio Lower Upper
112 100
114 30.8 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: VU027195.D

Acq: 26 Sep 2018 22:50

Instrument :

MSVOA_U

ClientSampleId :

MW-95-SEP18DL

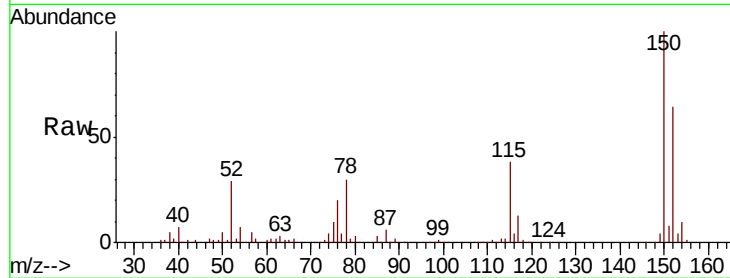
Tgt Ion: 152 Resp: 70391

Ion Ratio Lower Upper

152 100

115 60.7 44.9 134.5

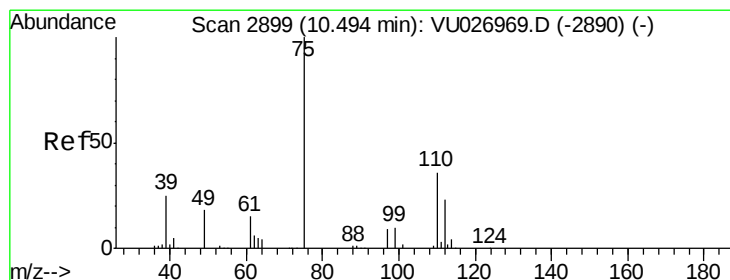
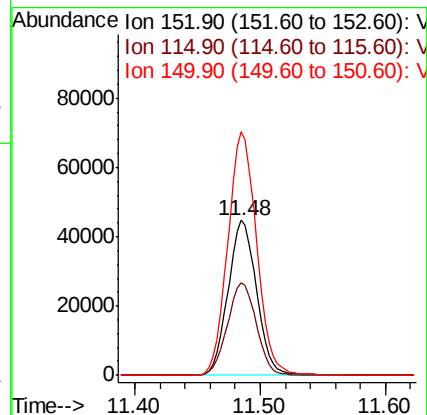
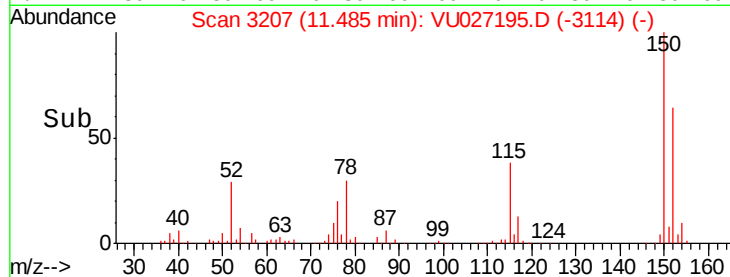
150 158.6 0.0 355.8



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: 20.921 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027195.D

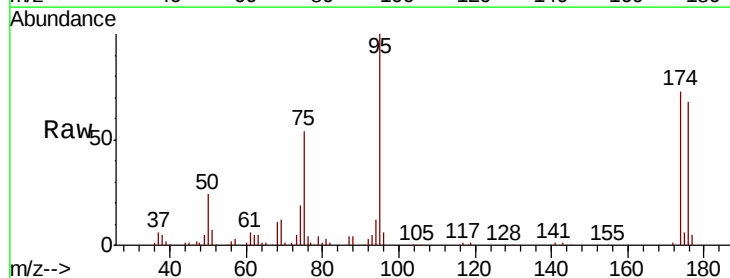
Acq: 26 Sep 2018 22:50

Tgt Ion: 75 Resp: 44738

Ion Ratio Lower Upper

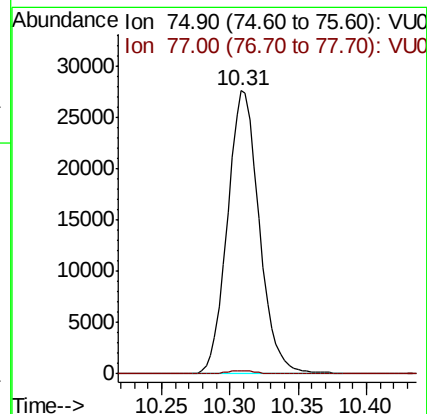
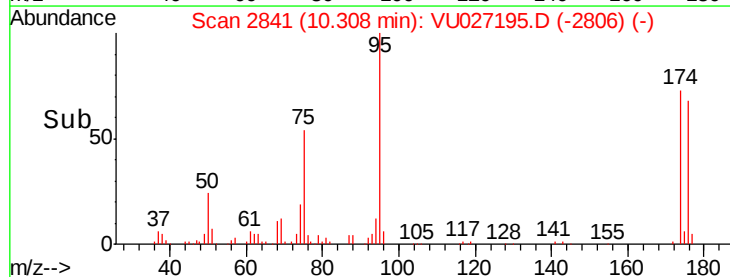
75 100

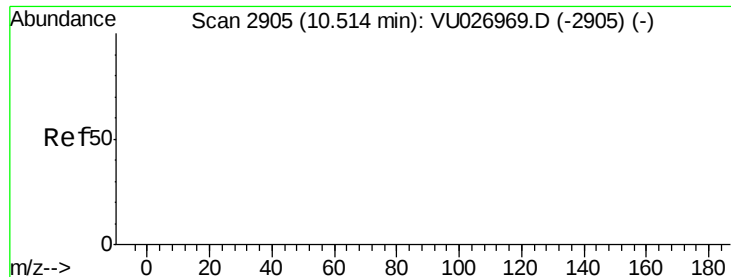
77 1.1 20.9 62.8#



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: 66.950 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027195.D

Acq: 26 Sep 2018 22:50

Instrument :

MSVOA_U

ClientSampleId :

MW-95-SEP18DL

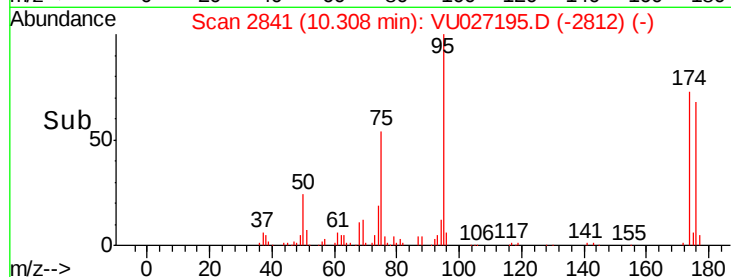
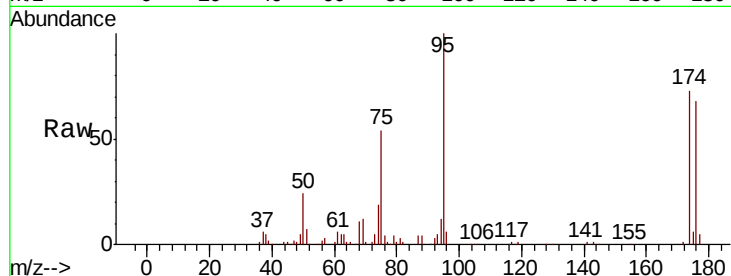
Tgt Ion: 75 Resp: 44738

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

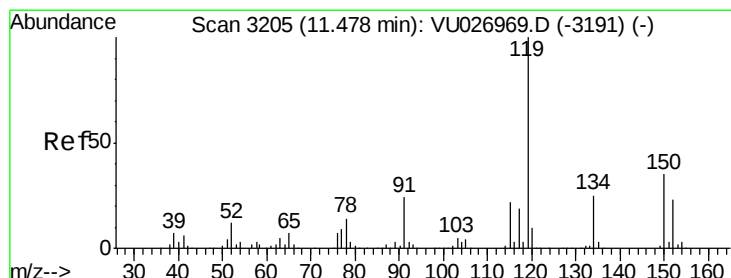
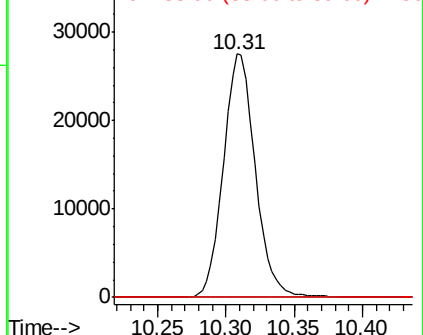
89 0.0 0.0 0.0



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



#86

p-Isopropyltoluene

Concen: 0.937 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU027195.D

Acq: 26 Sep 2018 22:50

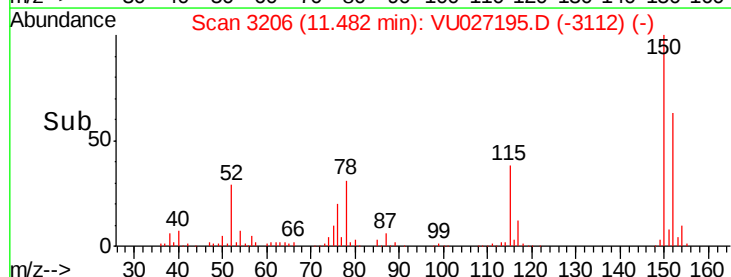
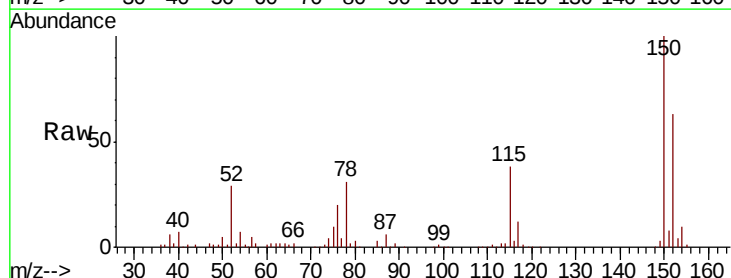
Tgt Ion: 119 Resp: 46

Ion Ratio Lower Upper

119 100

134 0.0 12.8 38.3#

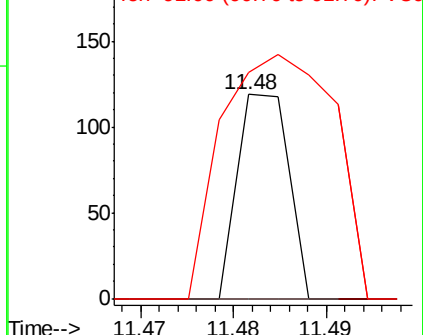
91 260.9 12.3 36.8#

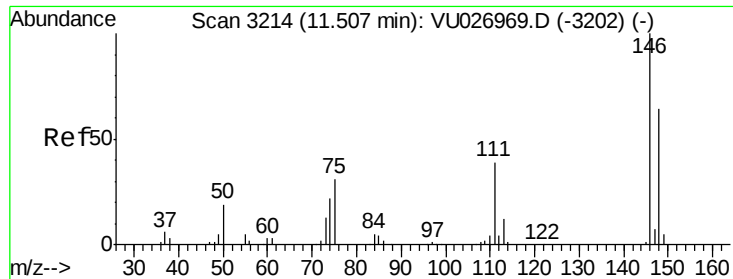


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#88

1,4-Dichlorobenzene

Concen: 2.024 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027195.D

Acq: 26 Sep 2018 22:50

Instrument :

MSVOA_U

ClientSampleId :

MW-95-SEP18DL

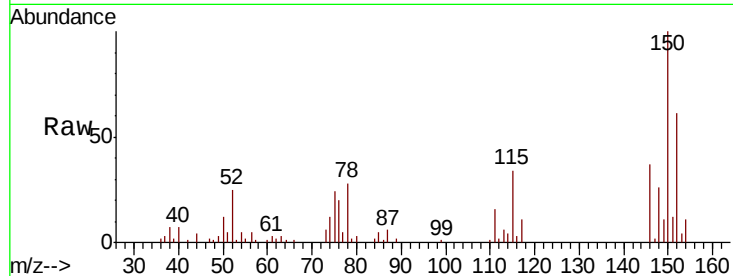
Tgt Ion:146 Resp: 5370

Ion Ratio Lower Upper

146 100

111 58.5 20.3 60.9

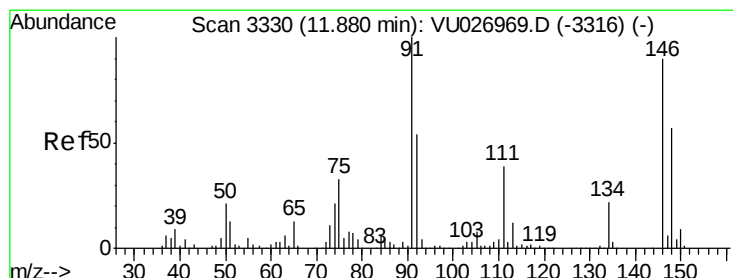
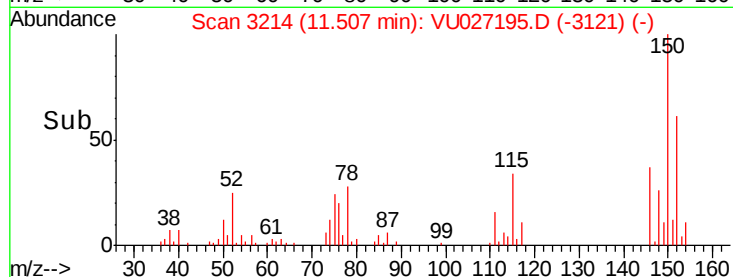
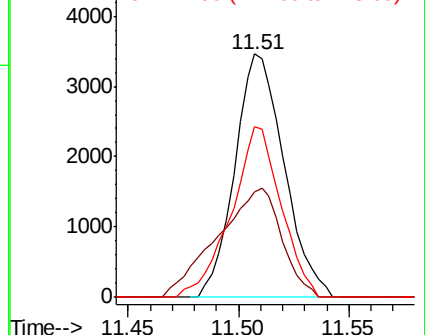
148 70.8 31.9 95.9



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



#91

1,2-Dichlorobenzene

Concen: 0.233 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.01 min

Lab File: VU027195.D

Acq: 26 Sep 2018 22:50

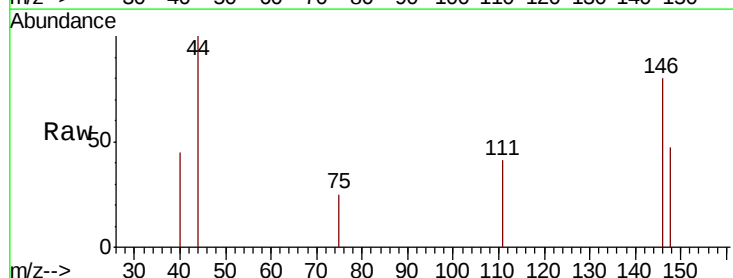
Tgt Ion:146 Resp: 603

Ion Ratio Lower Upper

146 100

111 42.5 21.8 65.3

148 60.5 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

