

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
 Data File : VU027174.D
 Acq On : 26 Sep 2018 13:53
 Operator : MD/SY
 Sample : J5049-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-139-SEP18

Quant Time: Sep 27 01:06:29 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	4.98	168	92804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	157531	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	148051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68362	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	97049	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
35) Dibromofluoromethane	4.88	113	66869	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	7.57	98	251050	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	10.31	95	79907	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	

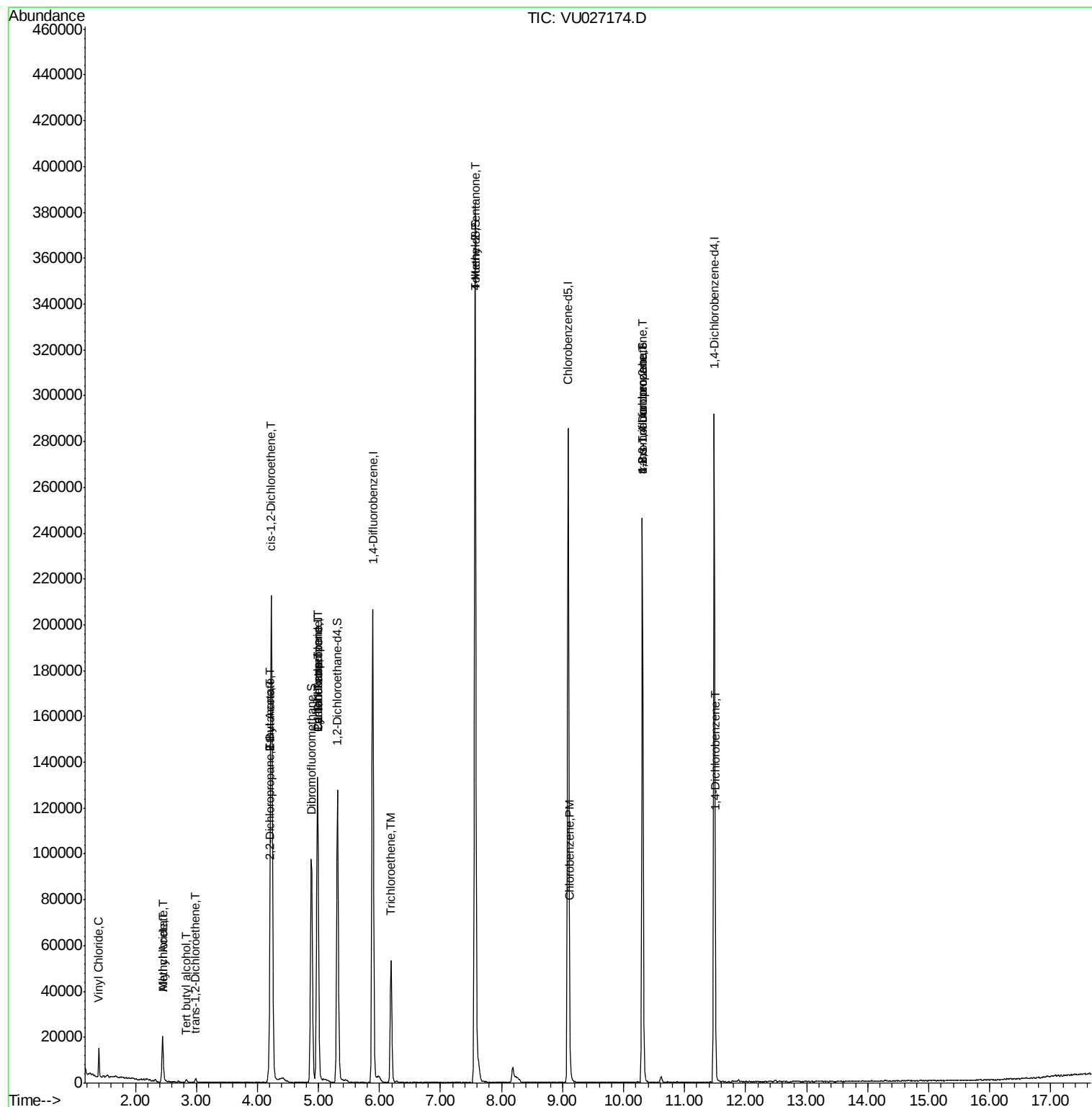
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	8366	4.290	ug/l	97
11) Tert butyl alcohol	2.83	59	892	2.084	ug/l #	72
14) Allyl chloride	2.44	41	2017	0.776	ug/l #	69
16) Acetone	2.32	43	1401	Below Cal	#	88
18) Methyl Acetate	2.45	43	5103	1.919	ug/l #	55
21) trans-1,2-Dichloroethene	2.98	96	563	0.411	ug/l	90
25) 2-Butanone	4.20	43	573	0.365	ug/l #	22
26) 2,2-Dichloropropane	4.20	77	566	0.237	ug/l #	55
27) cis-1,2-Dichloroethene	4.23	96	109521	70.866	ug/l	92
31) Cyclohexane	4.99	56	2511	0.331	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8732	4.153	ug/l #	49
37) Ethyl Acetate	4.20	43	573	0.201	ug/l #	70
38) Carbon Tetrachloride	4.98	117	9817	4.907	ug/l #	17
44) Trichloroethene	6.19	130	17554	12.901	ug/l	100
51) 4-Methyl-2-Pentanone	7.57	43	1334	0.478	ug/l #	1
65) Chlorobenzene	9.12	112	1128	0.287	ug/l	89
76) 1,2,3-Trichloropropane	10.31	75	44484	21.419	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44484	68.546	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	593	0.230	ug/l #	23

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027174.D

Acq: 26 Sep 2018 13:53

Instrument :

MSVOA_U

ClientSampleId :

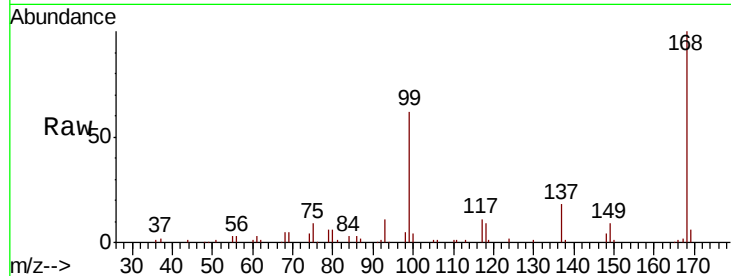
MW-139-SEP18

Tgt Ion:168 Resp: 92804

Ion Ratio Lower Upper

168 100

99 61.5 48.1 72.1



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

Ion 98.90 (98.60 to 99.60): VU027174.D (-1093) (-)

4.98

40000

30000

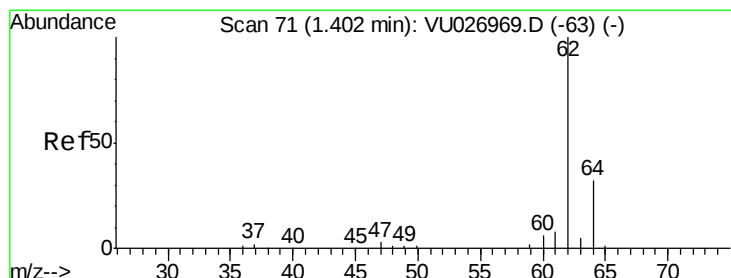
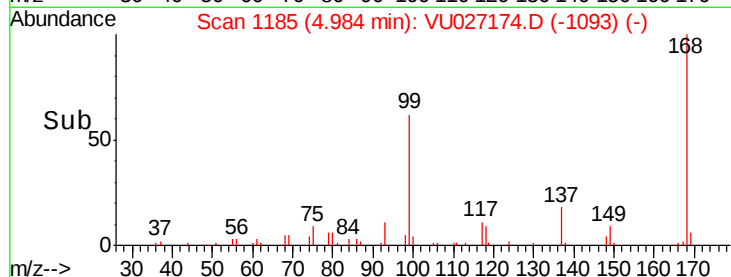
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#4

Vinyl Chloride

Concen: 4.290 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027174.D

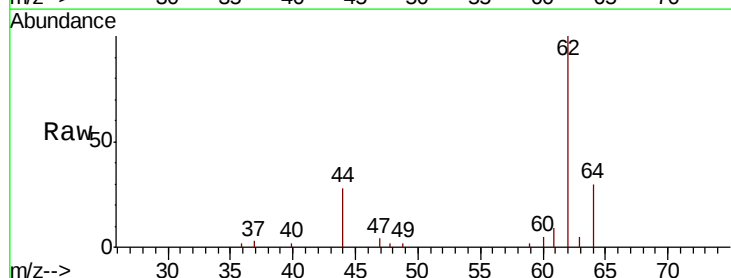
Acq: 26 Sep 2018 13:53

Tgt Ion: 62 Resp: 8366

Ion Ratio Lower Upper

62 100

64 30.2 25.5 38.3



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

Ion 63.90 (63.60 to 64.60): VU027174.D (-1) (-)

1.40

8000

6000

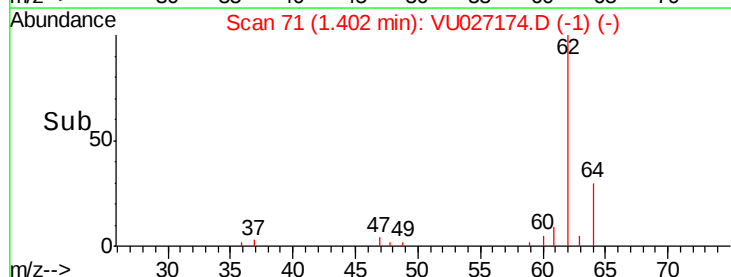
4000

2000

0

1.40 1.45

Time-->



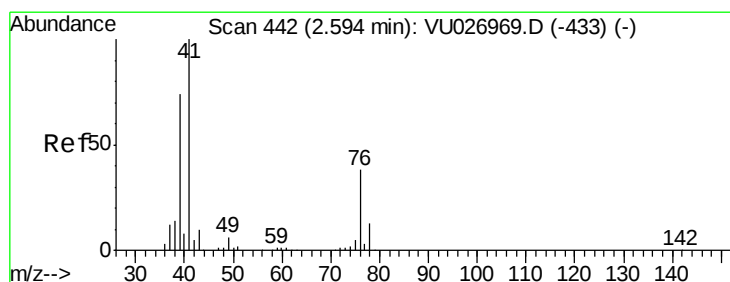
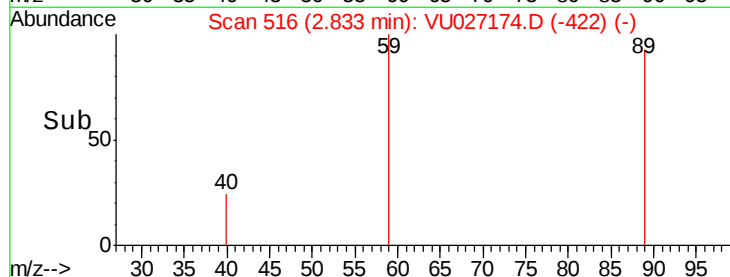
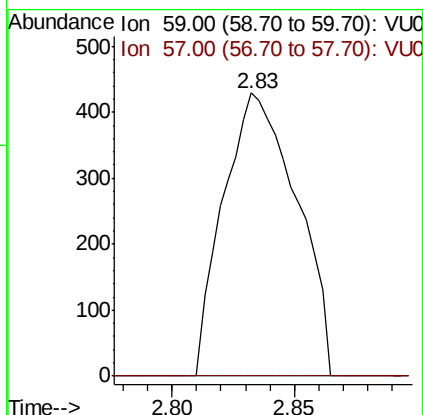
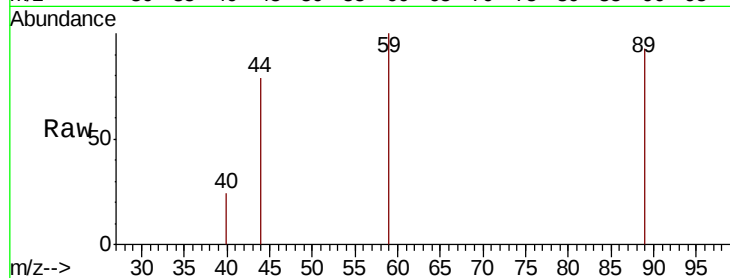


#11

Tert butyl alcohol
 Concen: 2.084 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VU027174.D
 Acq: 26 Sep 2018 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-139-SEP18

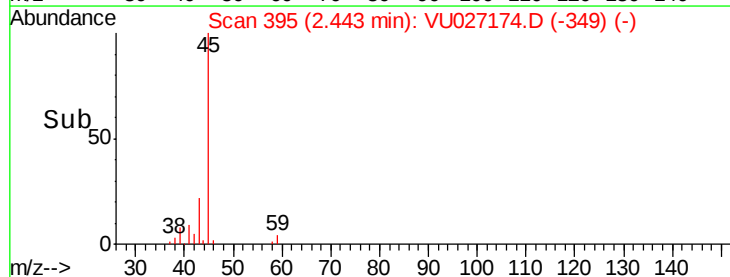
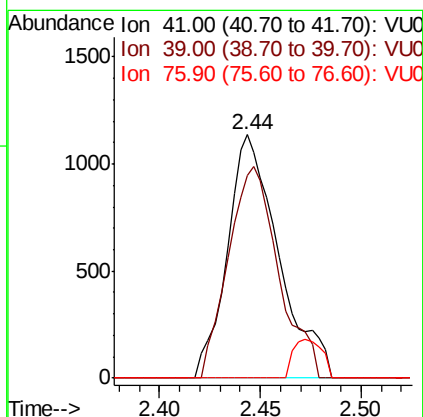
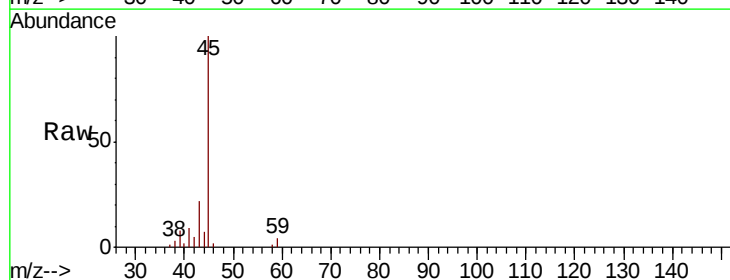
Tgt Ion: 59 Resp: 892
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



#14

Allyl chloride
 Concen: 0.776 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027174.D
 Acq: 26 Sep 2018 13:53

Tgt Ion: 41 Resp: 2017
 Ion Ratio Lower Upper
 41 100
 39 84.8 55.7 83.5#
 76 0.0 26.5 39.7#





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027174.D

Acq: 26 Sep 2018 13:53

Instrument :

MSVOA_U

ClientSampleId :

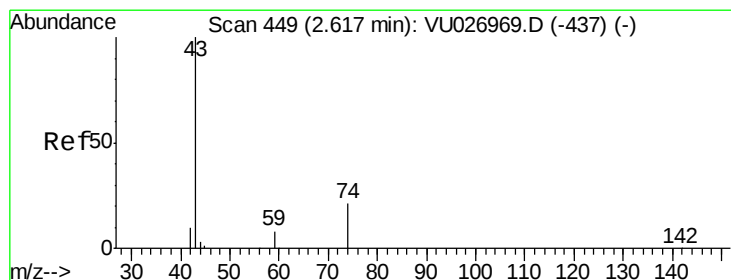
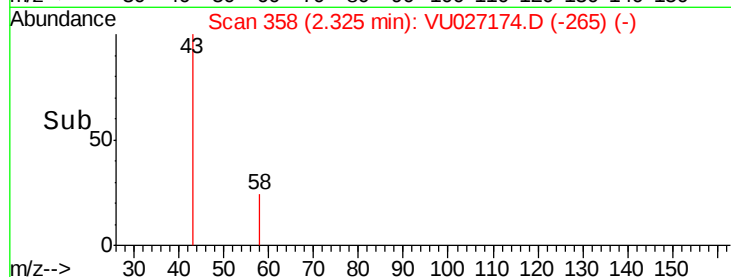
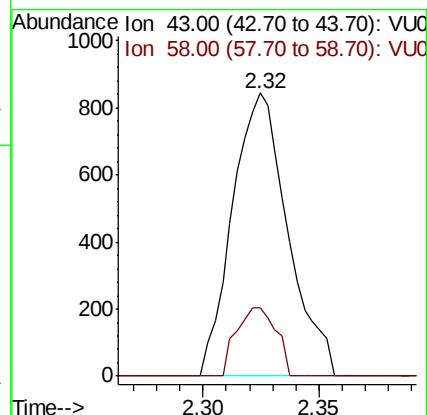
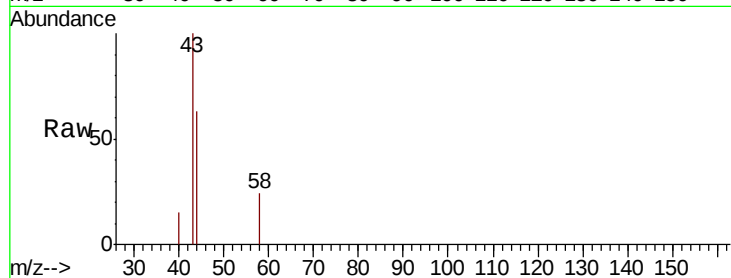
MW-139-SEP18

Tgt Ion: 43 Resp: 1401

Ion Ratio Lower Upper

43 100

58 24.0 24.6 36.8#



#18

Methyl Acetate

Concen: 1.919 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.17 min

Lab File: VU027174.D

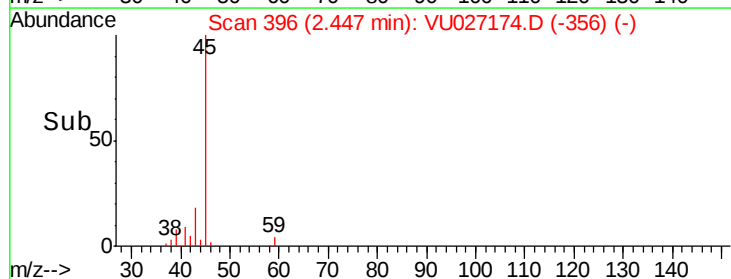
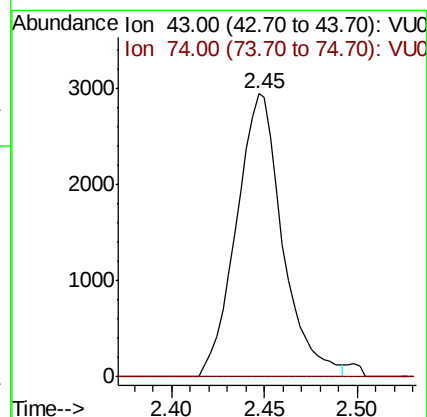
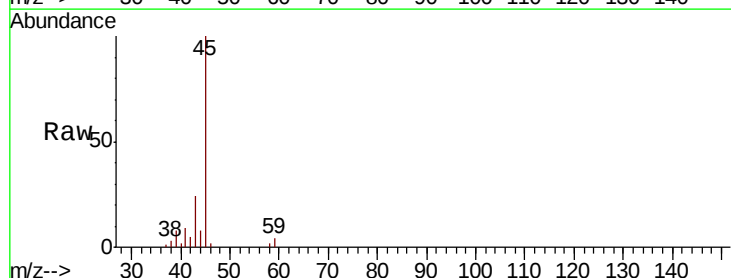
Acq: 26 Sep 2018 13:53

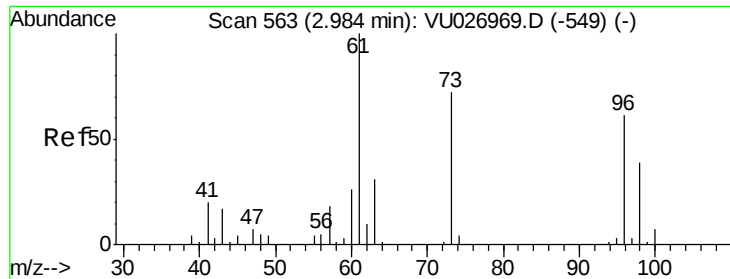
Tgt Ion: 43 Resp: 5103

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#





#21

trans-1,2-Dichloroethene

Concen: 0.411 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027174.D

Acq: 26 Sep 2018 13:53

Instrument :

MSVOA_U

ClientSampleId :

MW-139-SEP18

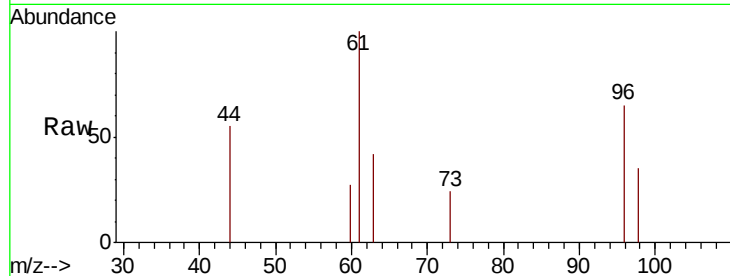
Tgt Ion: 96 Resp: 563

Ion Ratio Lower Upper

96 100

61 153.4 131.8 197.6

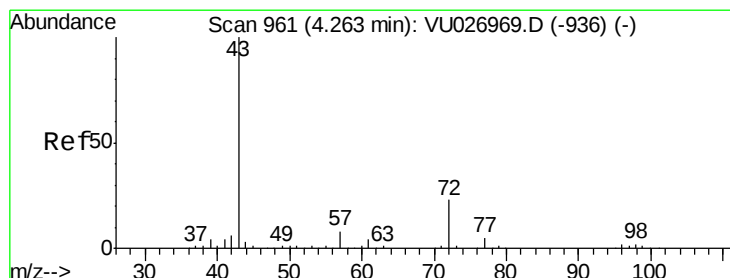
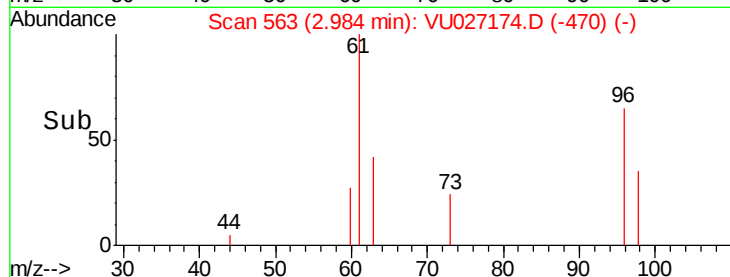
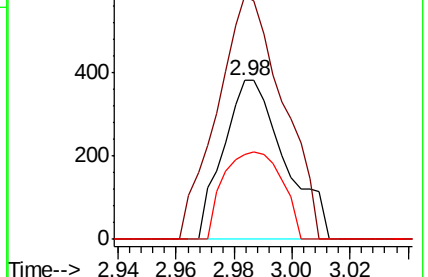
98 53.4 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VU027174.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU027174.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU027174.D (-470) (-)



#25

2-Butanone

Concen: 0.365 ug/l

RT: 4.20 min Scan# 942

Delta R.T. -0.06 min

Lab File: VU027174.D

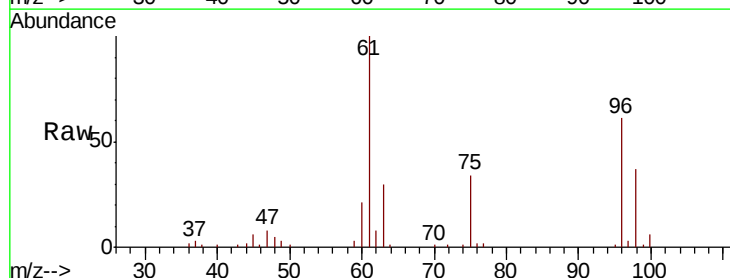
Acq: 26 Sep 2018 13:53

Tgt Ion: 43 Resp: 573

Ion Ratio Lower Upper

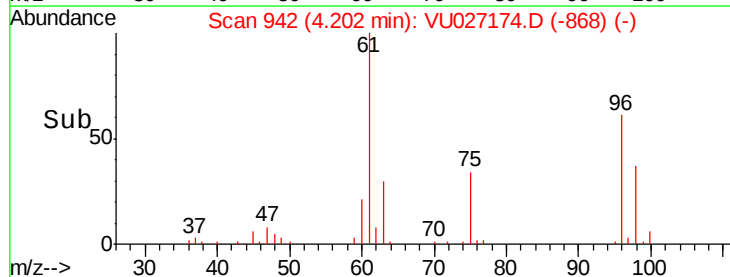
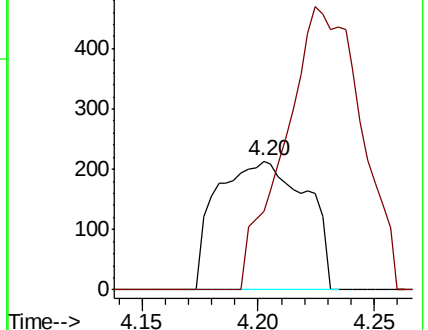
43 100

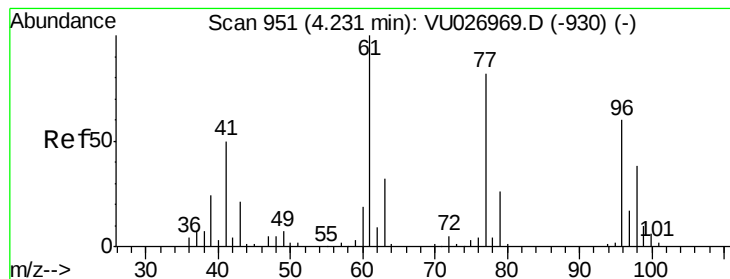
72 61.0 18.4 27.6#



Abundance Ion 43.00 (42.70 to 43.70): VU027174.D (-868) (-)

Ion 72.00 (71.70 to 72.70): VU027174.D (-868) (-)





#26

2,2-Dichloropropane

Concen: 0.237 ug/l

RT: 4.20 min Scan# 940

Delta R.T. -0.04 min

Lab File: VU027174.D

Acq: 26 Sep 2018 13:53

Instrument :

MSVOA_U

ClientSampleId :

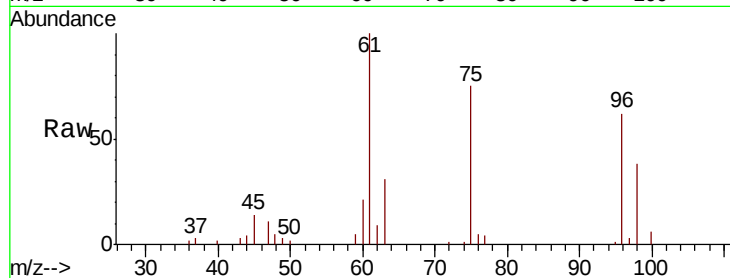
MW-139-SEP18

Tgt Ion: 77 Resp: 566

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.5#



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

2000

1500

1000

500

0

4.15

4.20

4.25

4.30

4.35

4.40

4.45

4.50

4.55

4.60

4.65

4.70

4.75

4.80

4.85

4.90

4.95

5.00

5.05

5.10

5.15

5.20

5.25

5.30

5.35

5.40

5.45

5.50

5.55

5.60

5.65

5.70

5.75

5.80

5.85

5.90

5.95

6.00

6.05

6.10

6.15

6.20

6.25

6.30

6.35

6.40

6.45

6.50

6.55

6.60

6.65

6.70

6.75

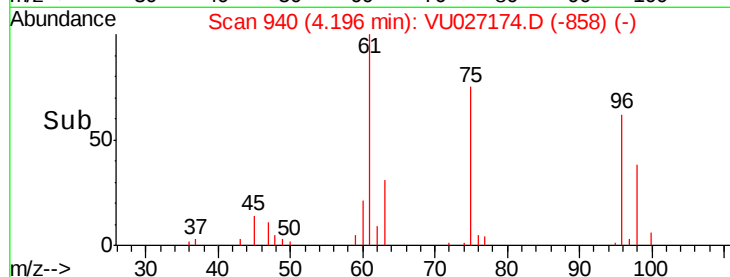
6.80

6.85

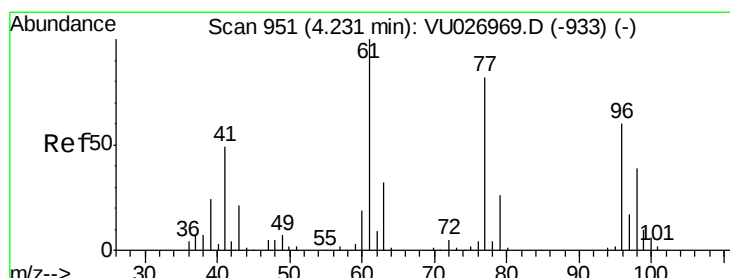
6.90

6.95

7.00



Time-->



#27

cis-1,2-Dichloroethene

Concen: 70.866 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027174.D

Acq: 26 Sep 2018 13:53

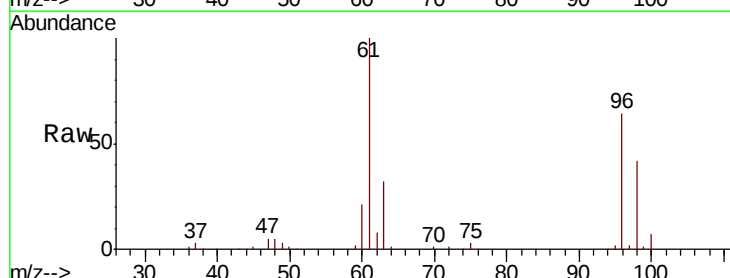
Tgt Ion: 96 Resp: 109521

Ion Ratio Lower Upper

96 100

61 153.6 0.0 337.2

98 63.7 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

80000

60000

40000

20000

0

4.10

4.20

4.30

4.40

4.50

4.60

4.70

4.80

4.90

5.00

5.10

5.20

5.30

5.40

5.50

5.60

5.70

5.80

5.90

6.00

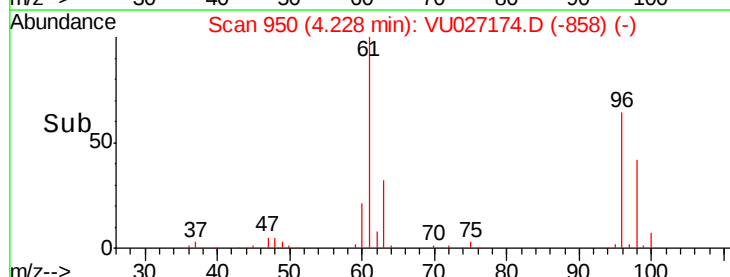
6.10

6.20

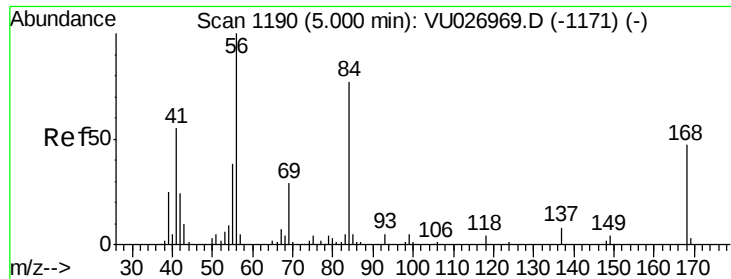
6.30

6.40

6.50



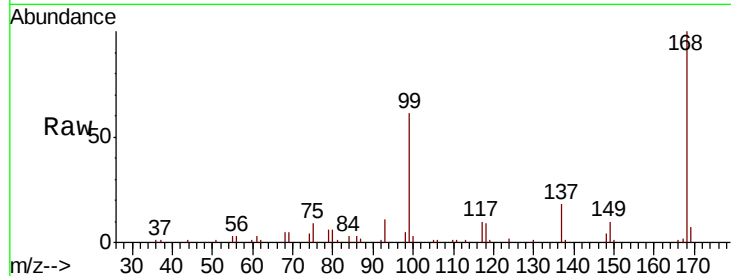
Time-->



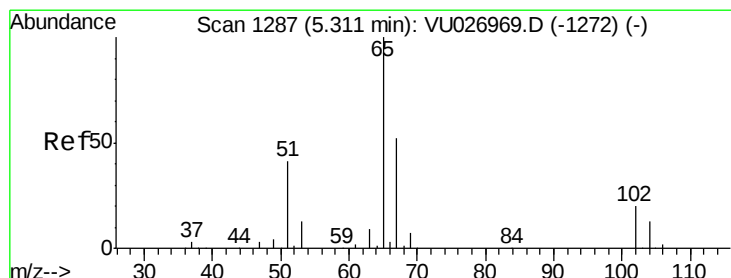
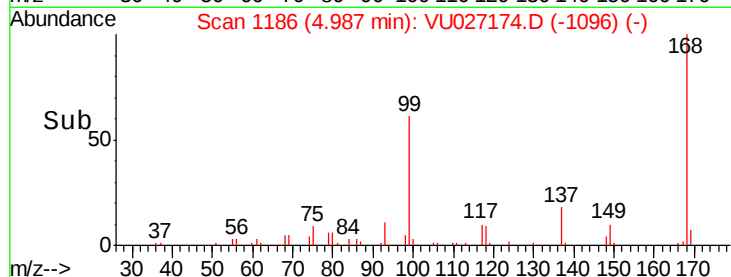
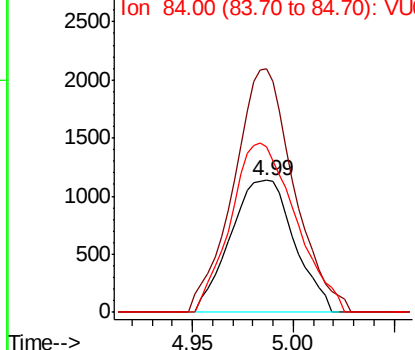
#31
Cyclohexane
Concen: 0.331 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027174.D
Acq: 26 Sep 2018 13:53

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MSVOA_U
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MW-139-SEP18

Tgt Ion: 56 Resp: 2511
Ion Ratio Lower Upper
56 100
69 184.5 23.0 34.4#
84 125.5 61.4 92.2#

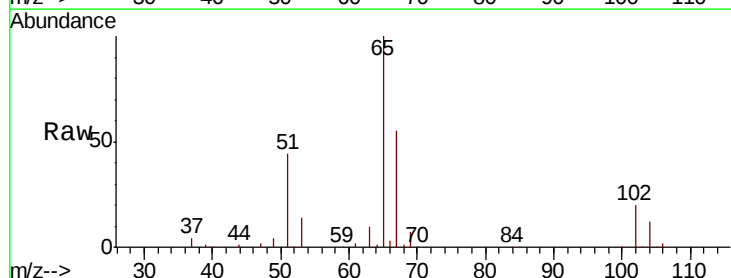


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

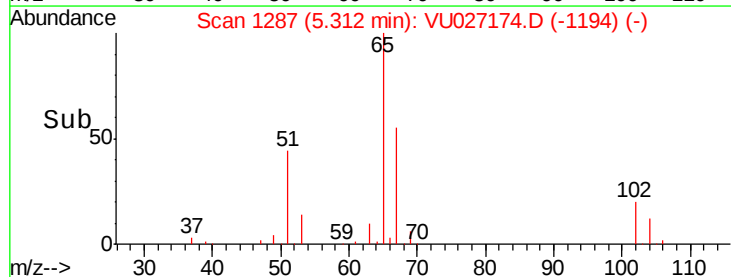
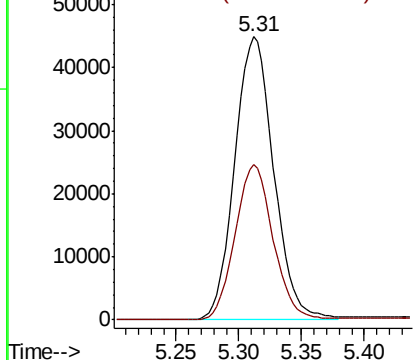


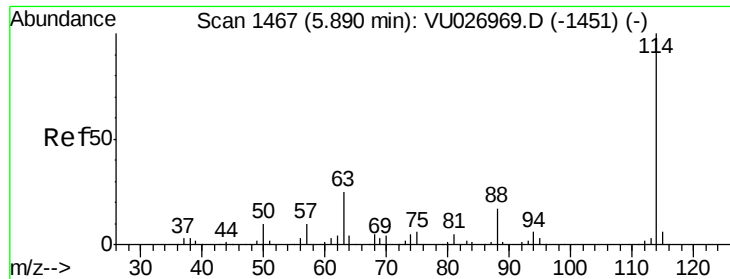
#33
1,2-Dichloroethane-d4
Concen: 51.958 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027174.D
Acq: 26 Sep 2018 13:53

Tgt Ion: 65 Resp: 97049
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.6



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

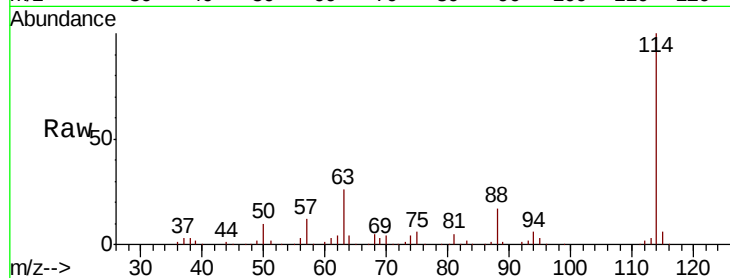




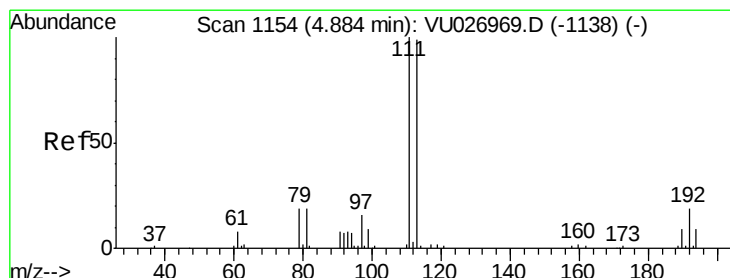
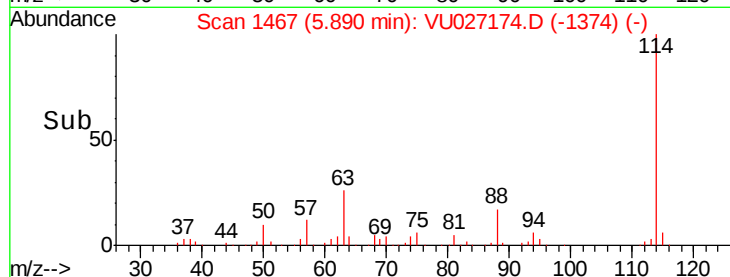
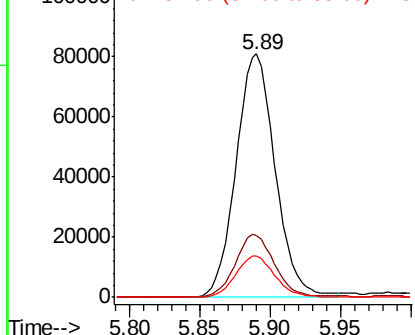
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027174.D
 Acq: 26 Sep 2018 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-139-SEP18

Tgt Ion:114 Resp: 157531
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 49.2
 88 16.9 0.0 33.8

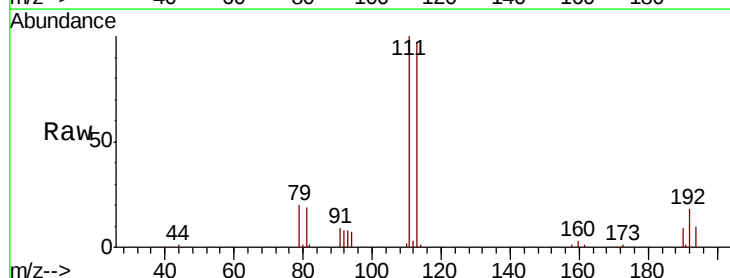


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

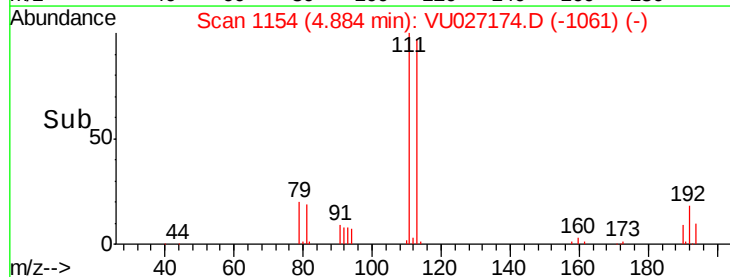
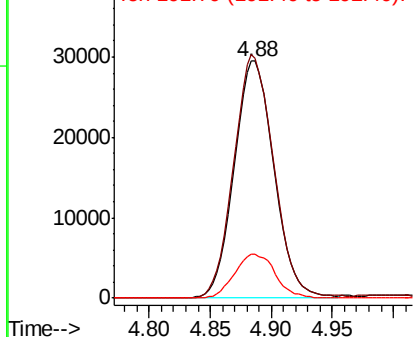


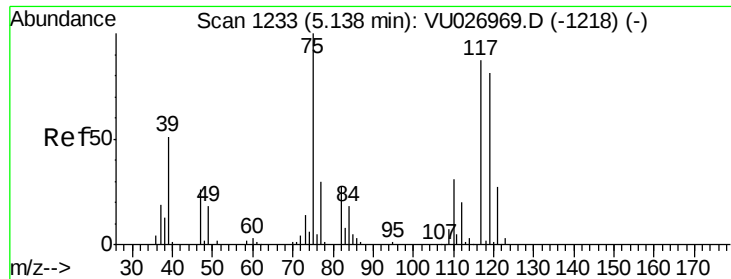
#35
 Dibromofluoromethane
 Concen: 48.971 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027174.D
 Acq: 26 Sep 2018 13:53

Tgt Ion:113 Resp: 66869
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.4
 192 18.8 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

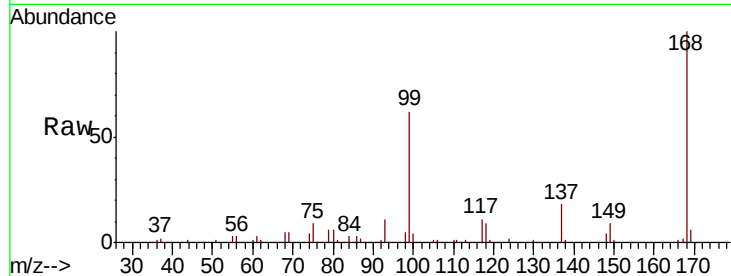




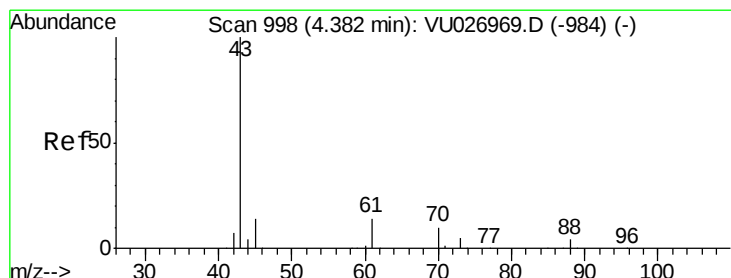
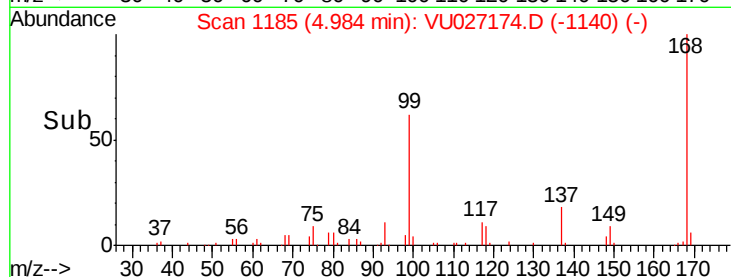
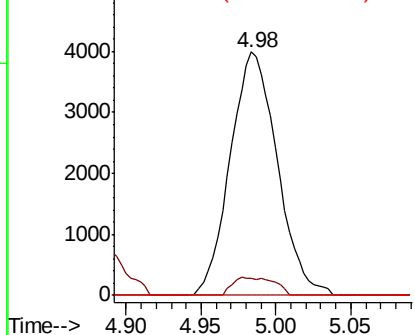
#36
 1,1-Dichloropropene
 Concen: 4.153 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027174.D
 Acq: 26 Sep 2018 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-139-SEP18

Tgt Ion: 75 Resp: 8732
 Ion Ratio Lower Upper
 75 100
 110 6.5 16.1 48.2#
 77 0.0 24.6 36.8#

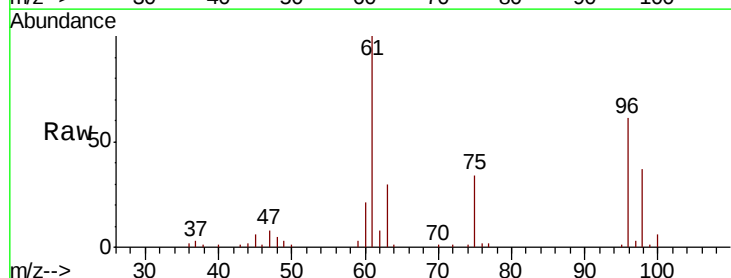


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

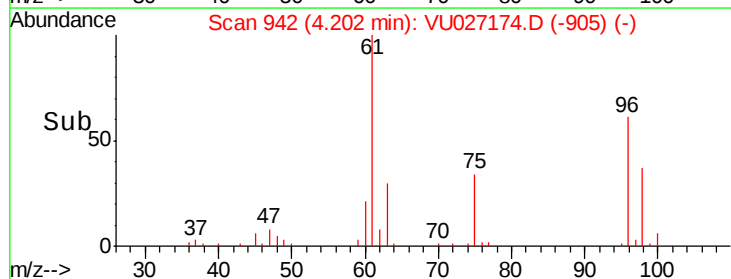
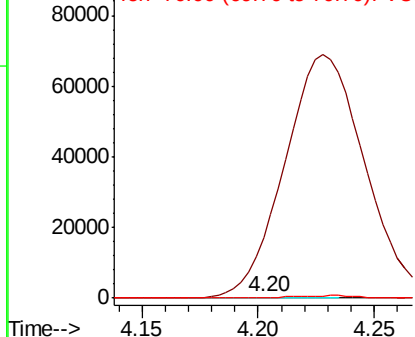


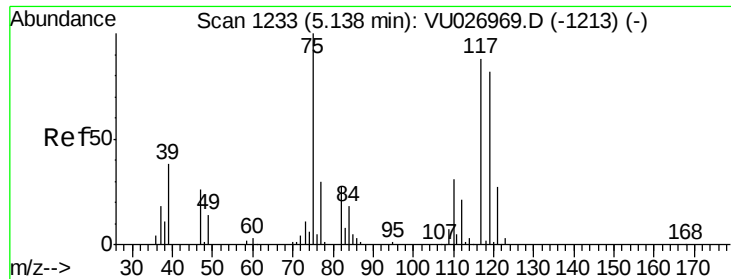
#37
 Ethyl Acetate
 Concen: 0.201 ug/l
 RT: 4.20 min Scan# 942
 Delta R.T. -0.18 min
 Lab File: VU027174.D
 Acq: 26 Sep 2018 13:53

Tgt Ion: 43 Resp: 573
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

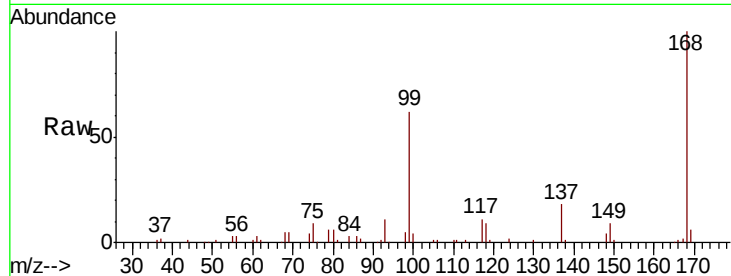




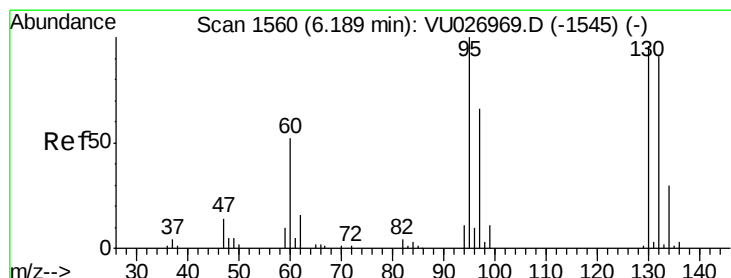
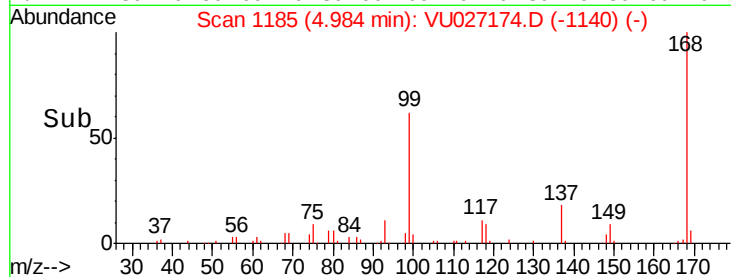
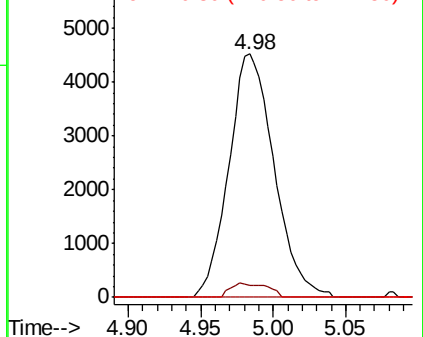
#38
 Carbon Tetrachloride
 Concen: 4.907 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027174.D
 Acq: 26 Sep 2018 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-139-SEP18

Tgt Ion:117 Resp: 9817
 Ion Ratio Lower Upper
 117 100
 119 5.1 74.4 111.6#
 121 0.0 24.2 36.4#

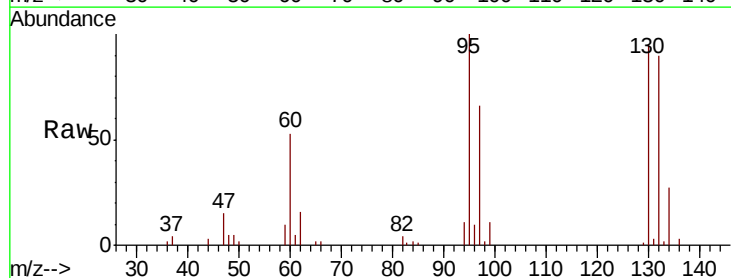


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

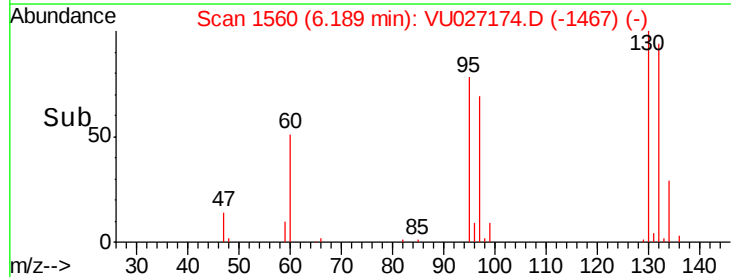
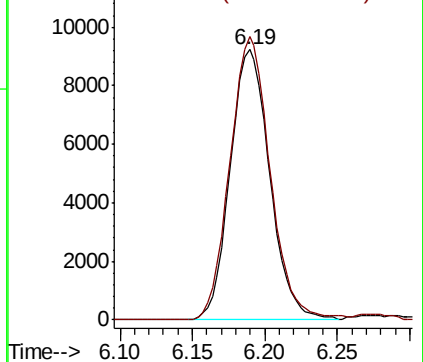


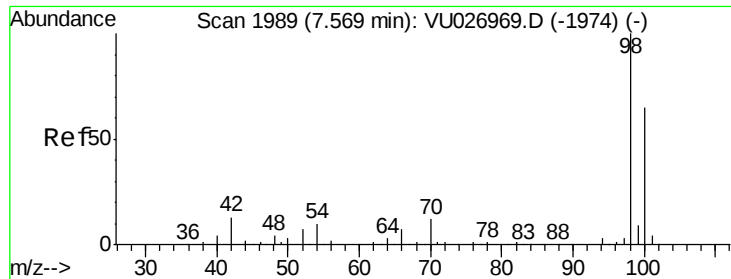
#44
 Trichloroethene
 Concen: 12.901 ug/l
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU027174.D
 Acq: 26 Sep 2018 13:53

Tgt Ion:130 Resp: 17554
 Ion Ratio Lower Upper
 130 100
 95 104.8 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VU0

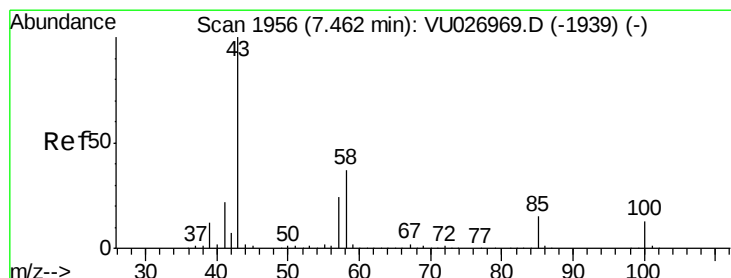
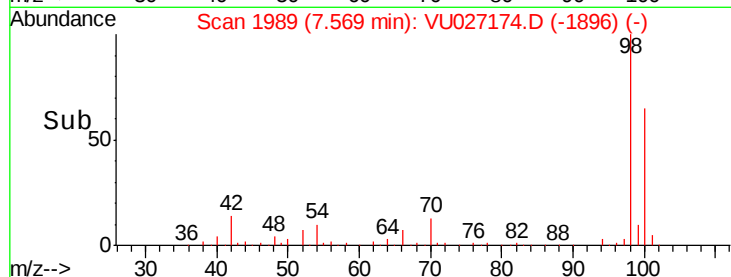
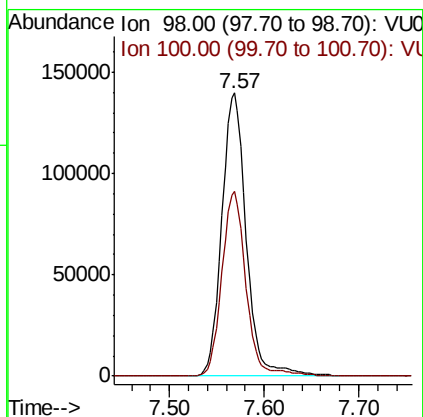
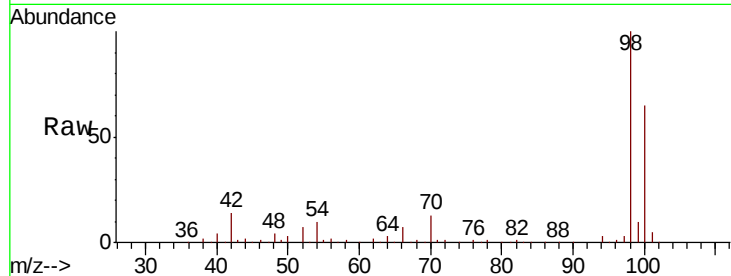




#50
Toluene-d8
Concen: 48.243 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027174.D
Acq: 26 Sep 2018 13:53

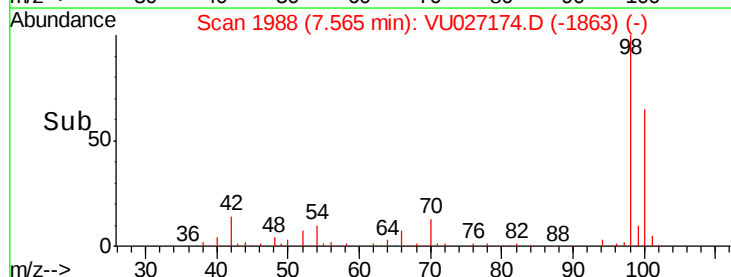
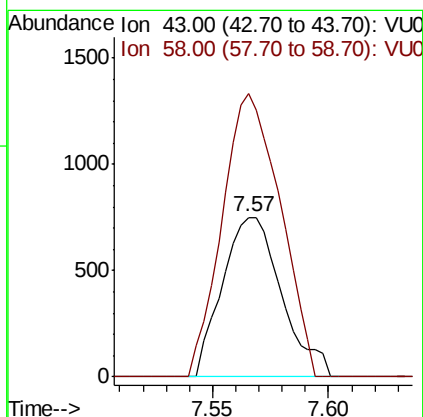
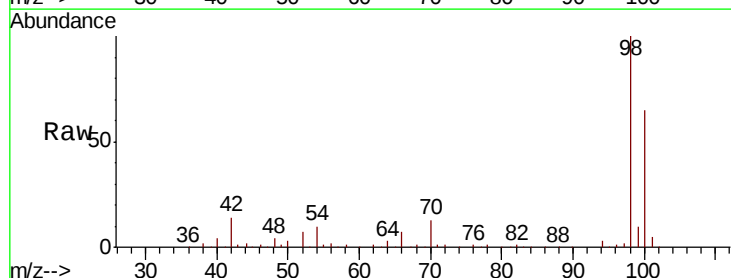
Instrument :
MSVOA_U
ClientSampleId :
MW-139-SEP18

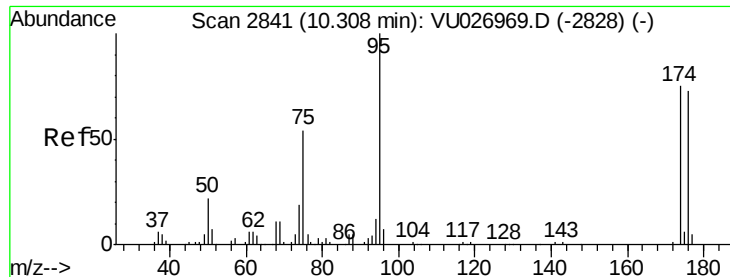
Tgt Ion: 98 Resp: 251050
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.478 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.10 min
Lab File: VU027174.D
Acq: 26 Sep 2018 13:53

Tgt Ion: 43 Resp: 1334
Ion Ratio Lower Upper
43 100
58 173.7 29.8 44.6#

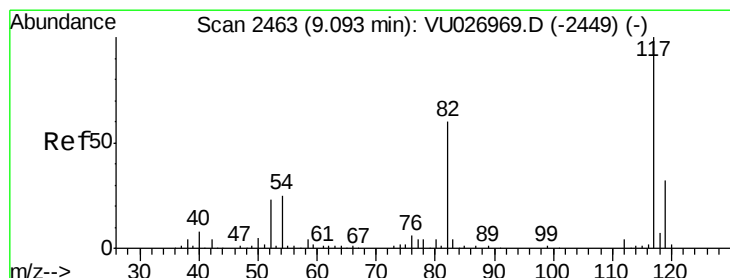
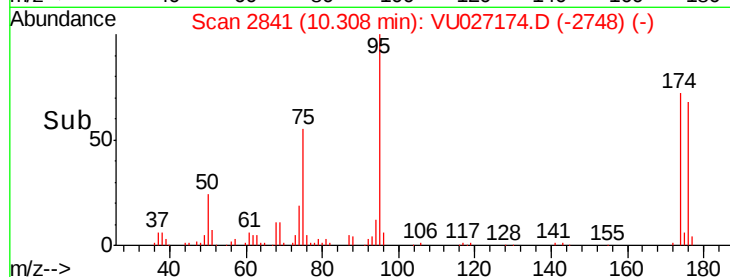
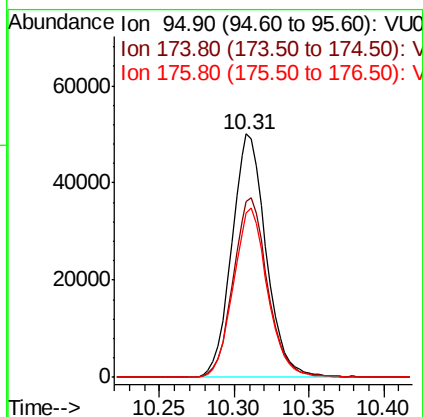
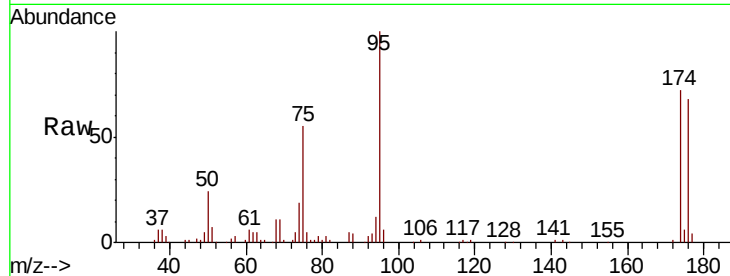




#62
 4-Bromofluorobenzene
 Concen: 44.750 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027174.D
 Acq: 26 Sep 2018 13:53

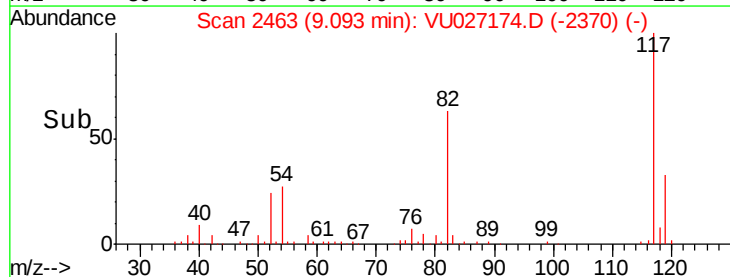
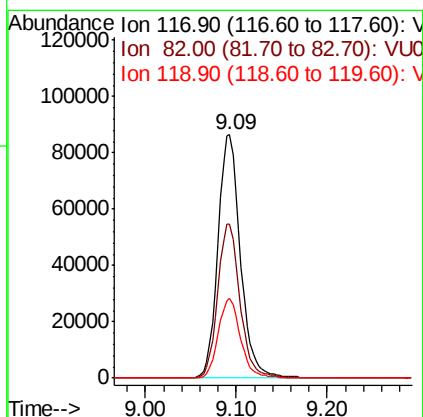
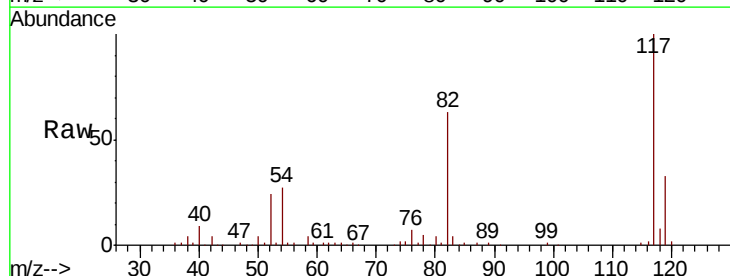
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-139-SEP18

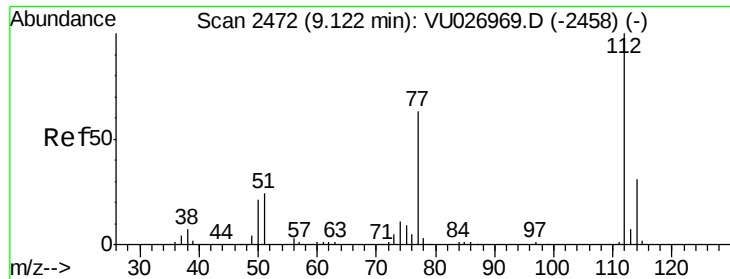
Tgt Ion: 95 Resp: 79907
 Ion Ratio Lower Upper
 95 100
 174 74.4 0.0 150.2
 176 69.7 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VU027174.D
 Acq: 26 Sep 2018 13:53

Tgt Ion: 117 Resp: 148051
 Ion Ratio Lower Upper
 117 100
 82 63.1 48.0 72.0
 119 32.5 25.8 38.8

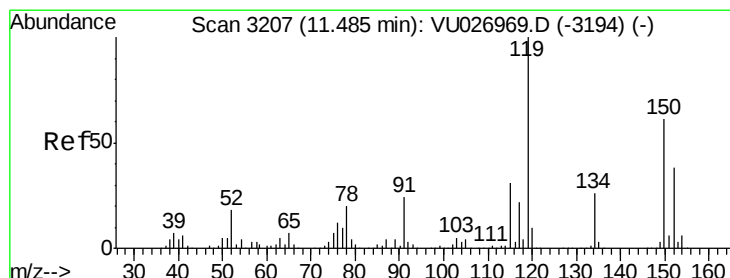
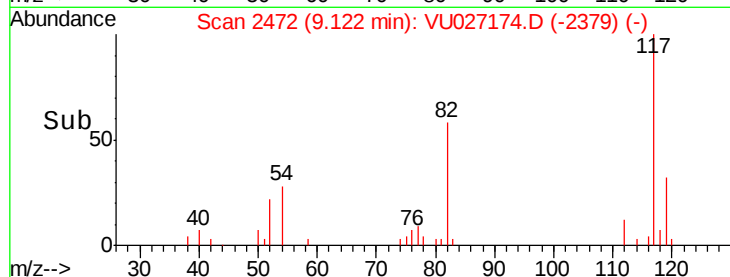
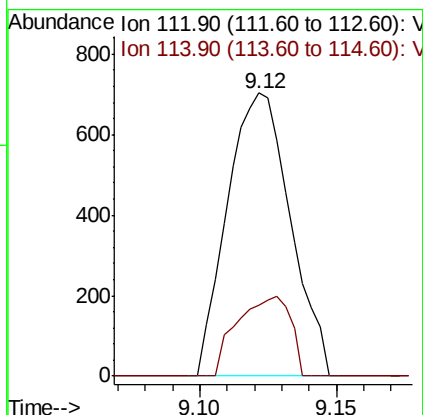
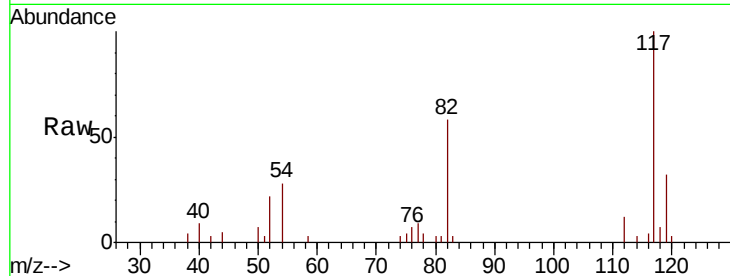




#65
Chlorobenzene
Concen: 0.287 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027174.D
Acq: 26 Sep 2018 13:53

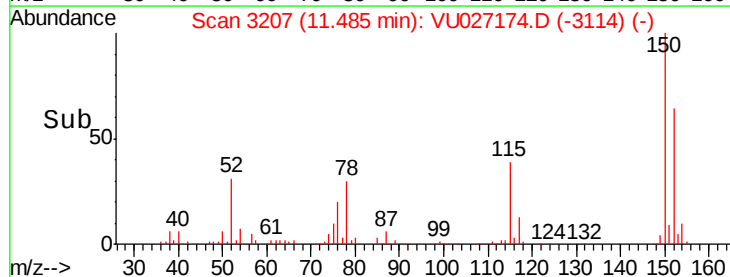
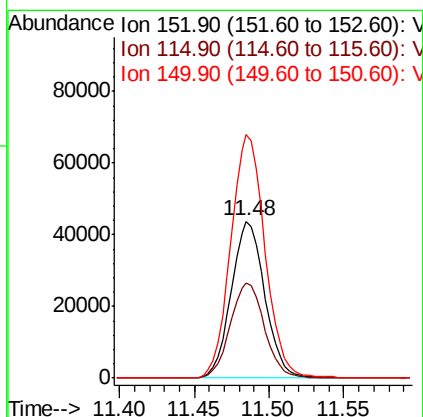
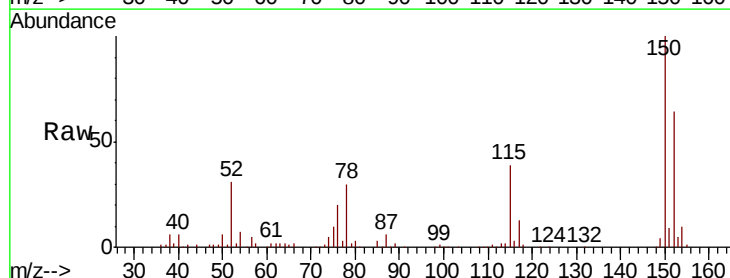
Instrument :
MSVOA_U
ClientSampleId :
MW-139-SEP18

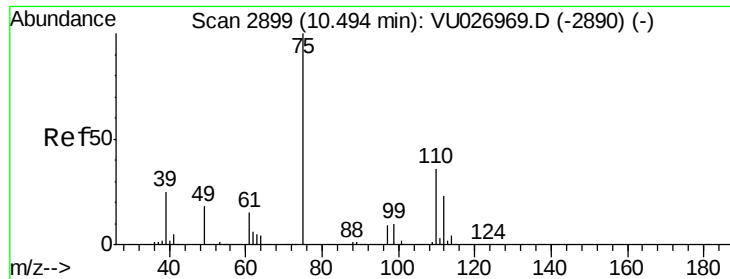
Tgt Ion:112 Resp: 1128
Ion Ratio Lower Upper
112 100
114 25.2 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027174.D
Acq: 26 Sep 2018 13:53

Tgt Ion:152 Resp: 68362
Ion Ratio Lower Upper
152 100
115 62.1 44.9 134.5
150 158.2 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 21.419 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027174.D

Acq: 26 Sep 2018 13:53

Instrument :

MSVOA_U

ClientSampleId :

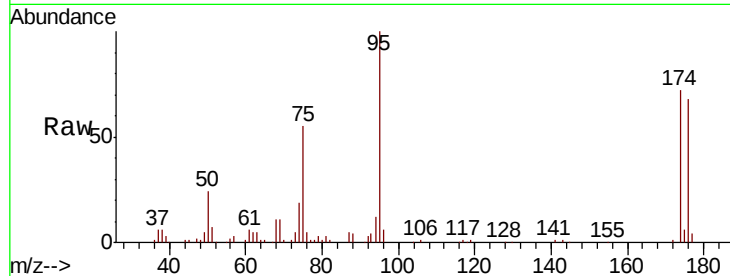
MW-139-SEP18

Tgt Ion: 75 Resp: 44484

Ion Ratio Lower Upper

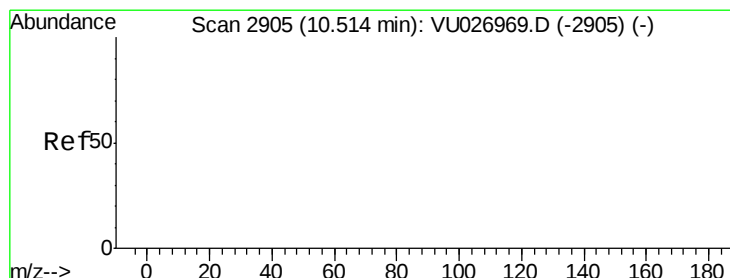
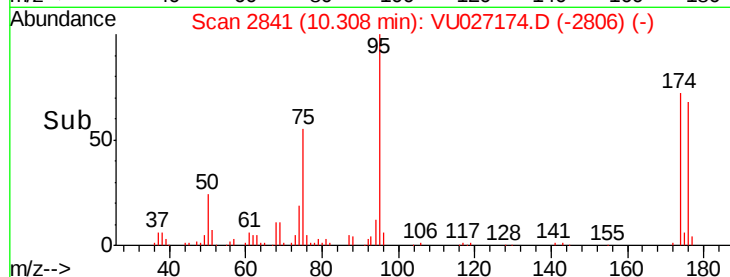
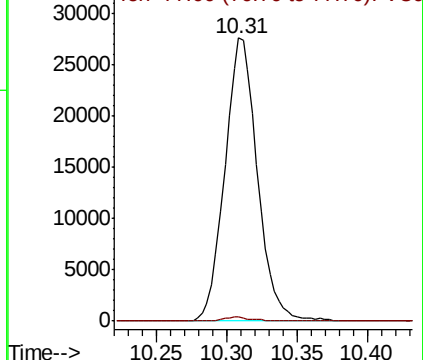
75 100

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: 68.546 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027174.D

Acq: 26 Sep 2018 13:53

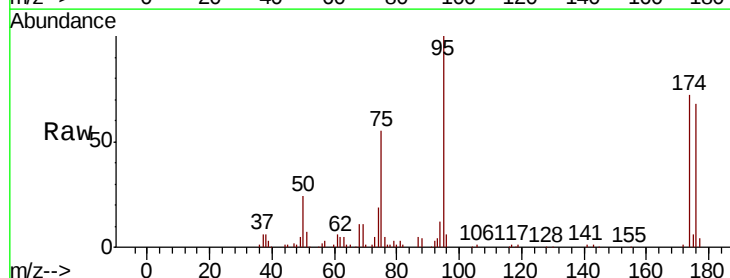
Tgt Ion: 75 Resp: 44484

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

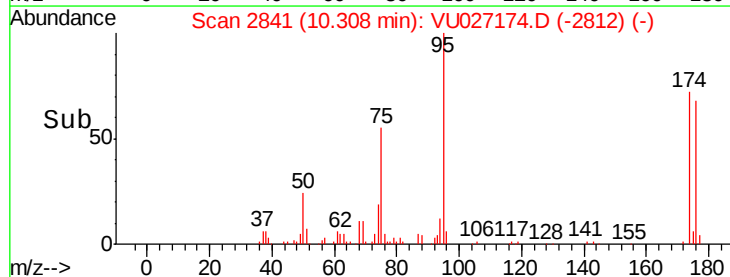
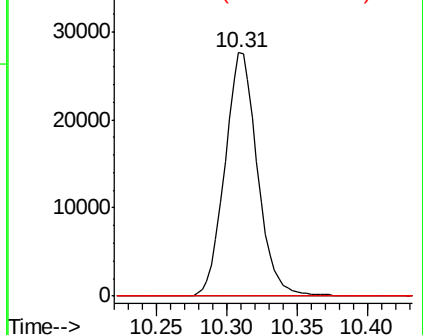
89 0.0 0.0 0.0

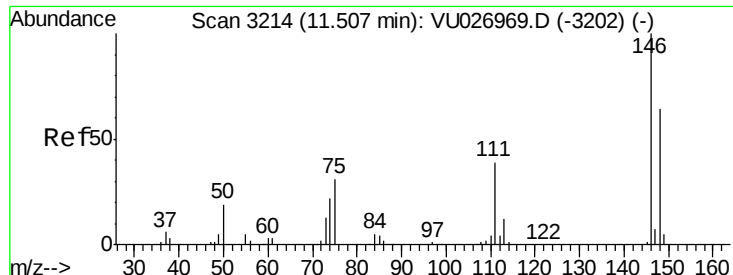


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#88

1,4-Dichlorobenzene

Concen: 0.230 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027174.D

Acq: 26 Sep 2018 13:53

Instrument :

MSVOA_U

ClientSampleId :

MW-139-SEP18

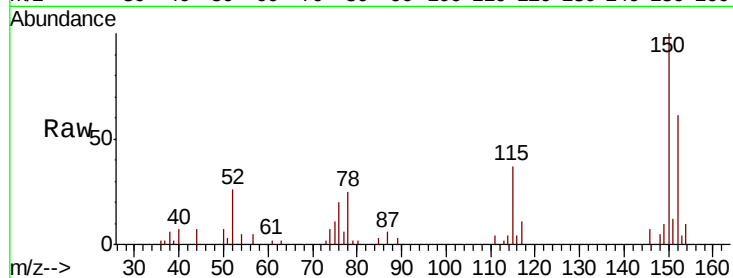
Tgt Ion:146 Resp: 593

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.9#

148 130.2 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

