

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092018\
 Data File : VU026920.D
 Acq On : 20 Sep 2018 00:18
 Operator : MD/SY
 Sample : J4934-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912

Quant Time: Sep 20 05:37:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	77444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	132833	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	133769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72090	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	67039	57.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	114.12%		
35) Dibromofluoromethane	4.88	113	60659	55.98	ug/l	0.00
Spiked Amount 50.000			Recovery =	111.96%		
50) Toluene-d8	7.57	98	197907	49.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.76%		
62) 4-Bromofluorobenzene	10.31	95	66637	45.88	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.76%		

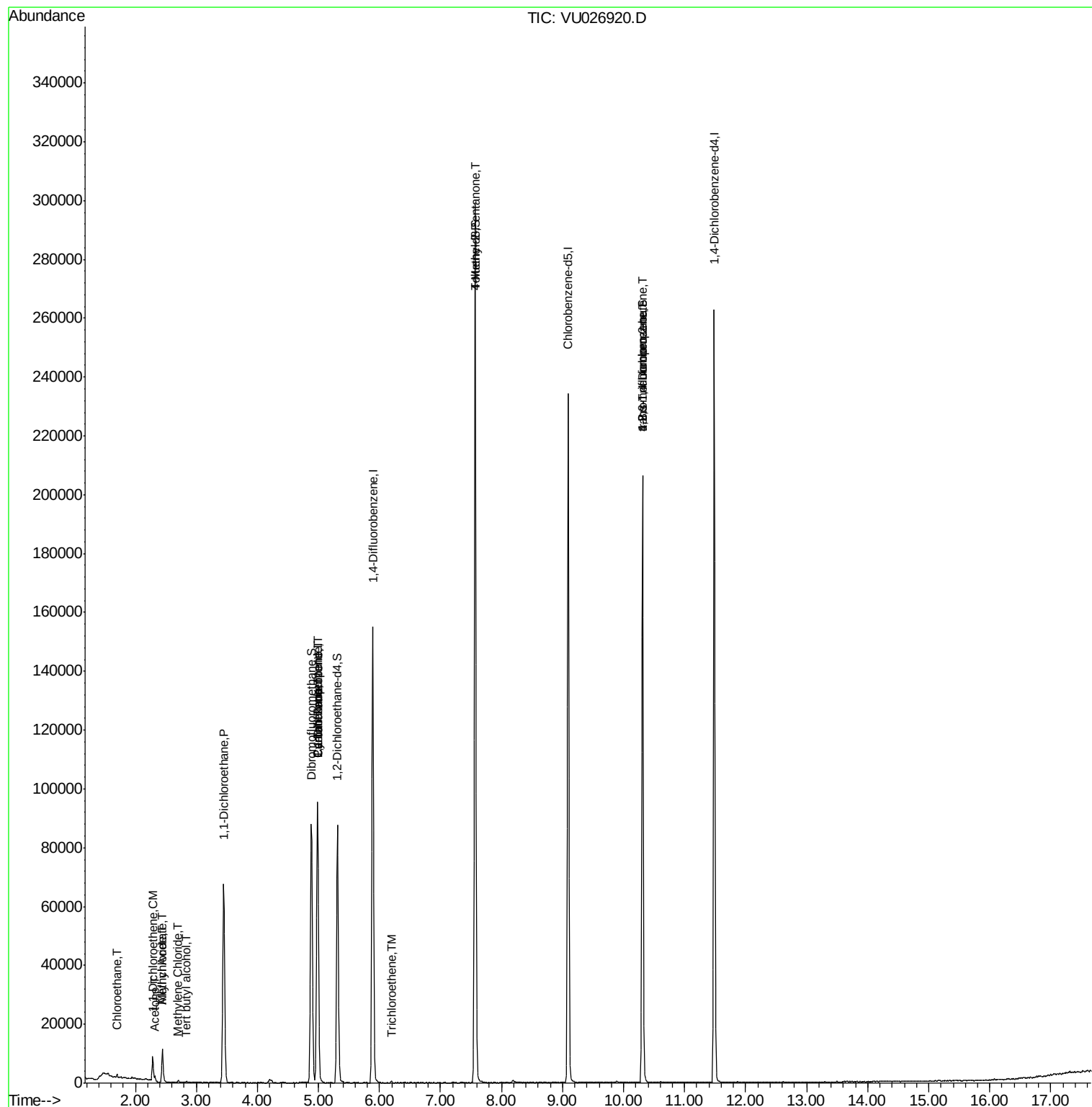
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	548	0.711	ug/l #	76
11) Tert butyl alcohol	2.83	59	61	0.213	ug/l #	73
12) 1,1-Dichloroethene	2.28	96	2689	3.024	ug/l	96
14) Allyl chloride	2.44	41	1216	0.759	ug/l #	75
16) Acetone	2.32	43	1928	2.899	ug/l	98
18) Methyl Acetate	2.44	43	2769	1.929	ug/l #	54
20) Methylene Chloride	2.70	84	375	0.348	ug/l #	84
24) 1,1-Dichloroethane	3.45	63	74307	39.414	ug/l	97
31) Cyclohexane	4.98	56	1327	0.591	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	5377	3.605	ug/l #	47
38) Carbon Tetrachloride	4.98	117	6775	4.300	ug/l #	16
44) Trichloroethene	6.20	130	251	0.219	ug/l	99
51) 4-Methyl-2-Pentanone	7.57	43	762	0.417	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	32168	19.920	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	32168	61.910	ug/l #	100

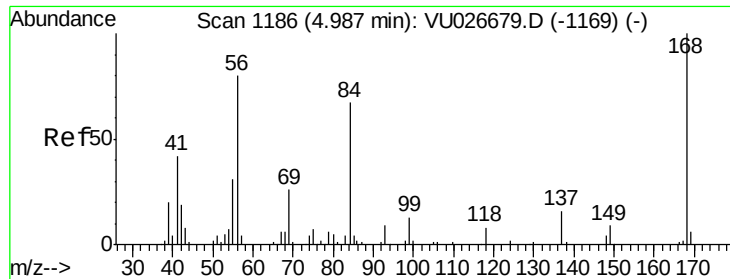
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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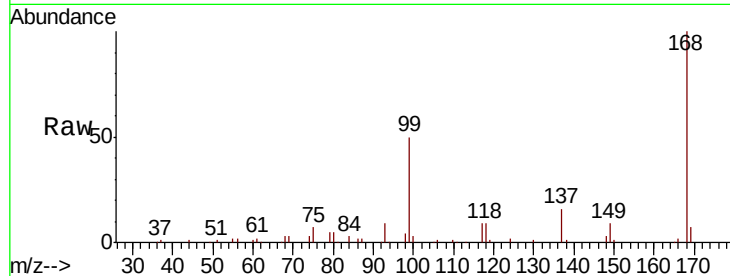




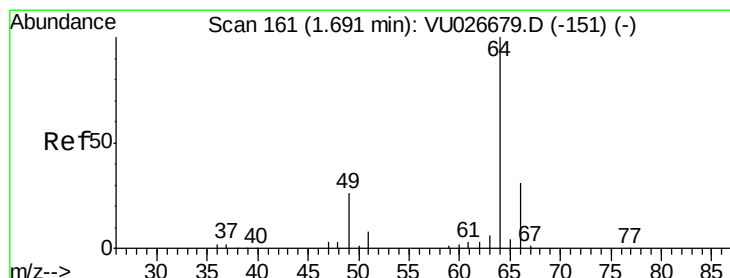
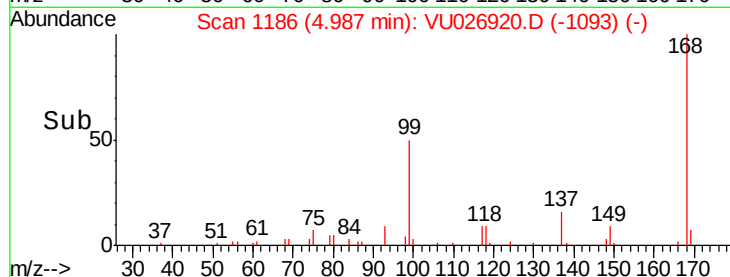
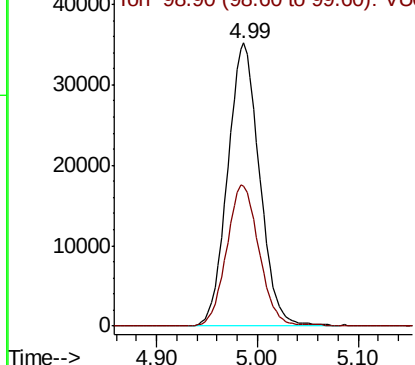
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU026920.D
Acq: 20 Sep 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912

Tgt Ion:168 Resp: 77444
Ion Ratio Lower Upper
168 100
99 49.6 42.0 63.0

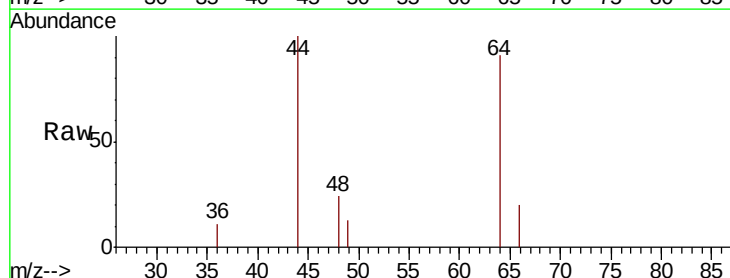


Abundance Ion 167.90 (167.60 to 168.60): VU026679.D (-1169) (-)
Ion 98.90 (98.60 to 99.60): VU026920.D (-1093) (-)

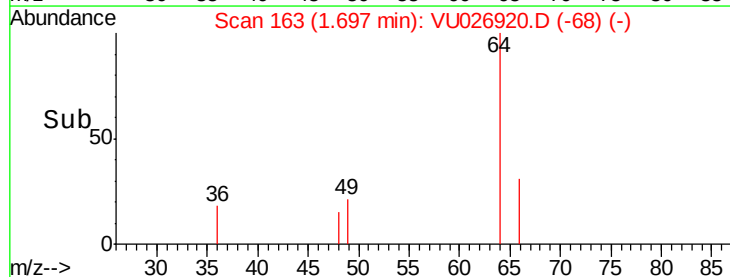
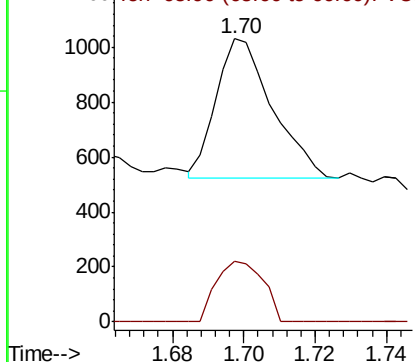


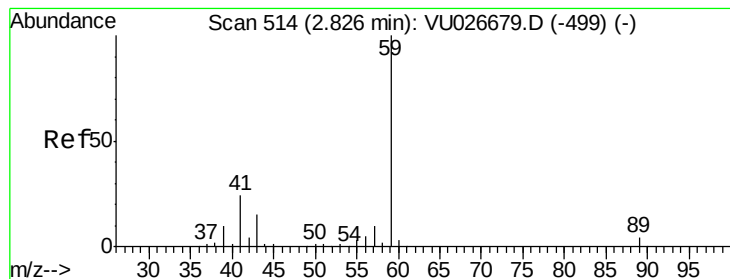
#6
Chloroethane
Concen: 0.711 ug/l
RT: 1.70 min Scan# 163
Delta R.T. 0.01 min
Lab File: VU026920.D
Acq: 20 Sep 2018 00:18

Tgt Ion: 64 Resp: 548
Ion Ratio Lower Upper
64 100
66 44.0 24.7 37.1#



Abundance Ion 63.90 (63.60 to 64.60): VU026679.D (-151) (-)
Ion 65.90 (65.60 to 66.60): VU026920.D (-68) (-)





#11

Tert butyl alcohol

Concen: 0.213 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU026920.D

Acq: 20 Sep 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

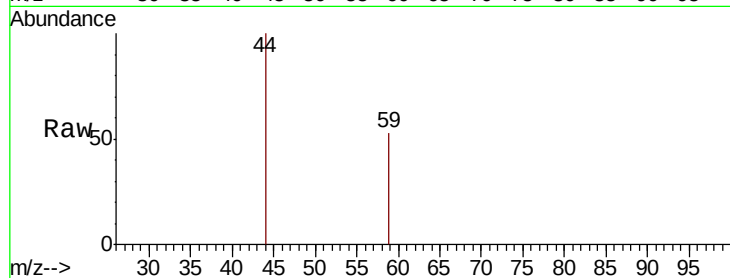
SA-MW131D-20180912

Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83

120

100

80

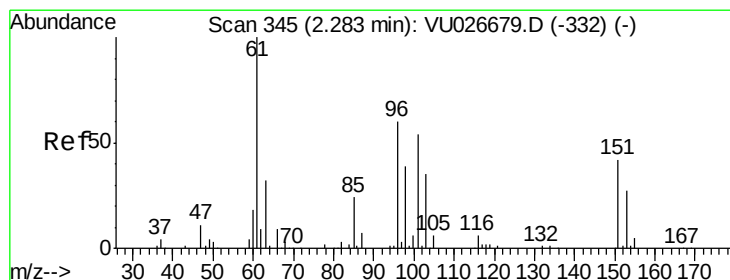
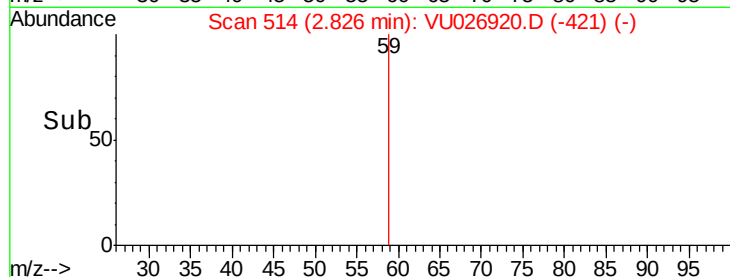
60

40

20

0

Time-->



#12

1,1-Dichloroethene

Concen: 3.024 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026920.D

Acq: 20 Sep 2018 00:18

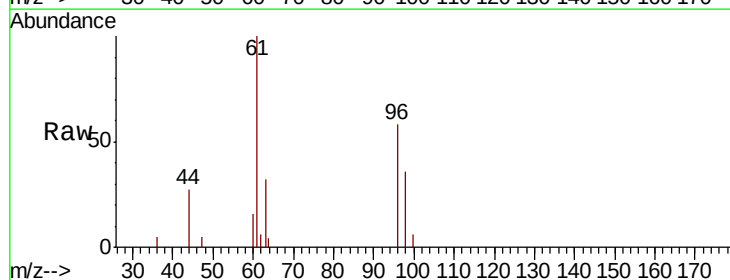
Tgt Ion: 96 Resp: 2689

Ion Ratio Lower Upper

96 100

61 173.5 133.0 199.6

98 63.2 51.3 76.9



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

4000

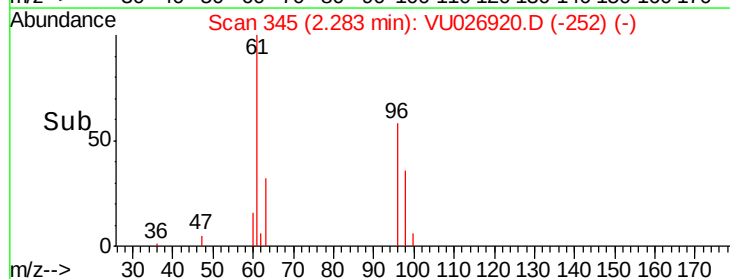
3000

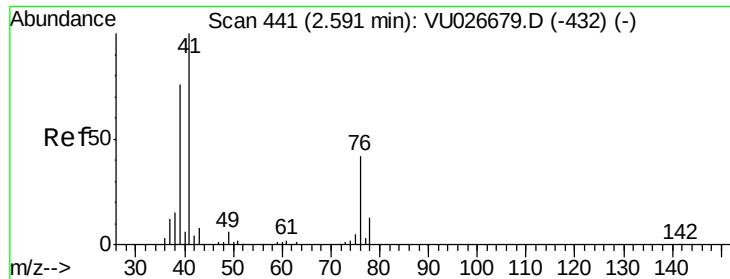
2000

1000

0

Time-->

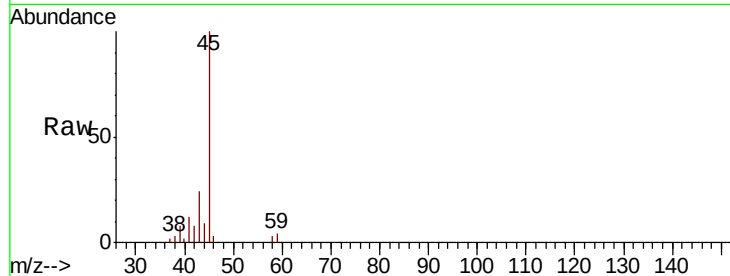




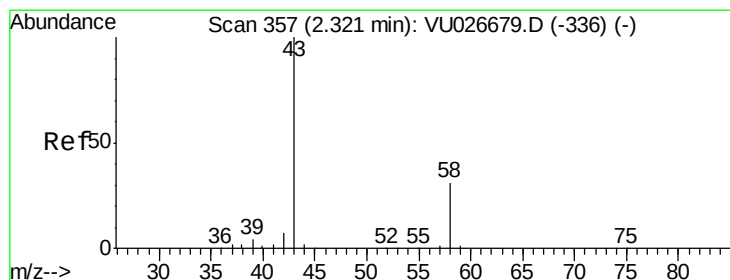
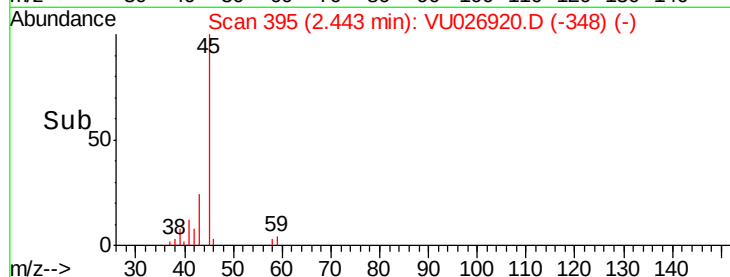
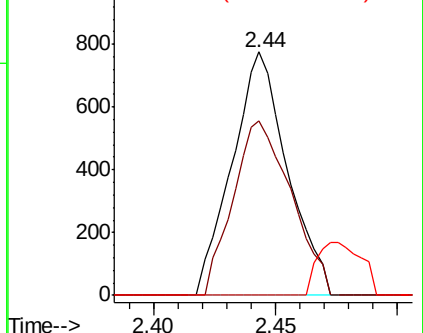
#14
 Allyl chloride
 Concen: 0.759 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU026920.D
 Acq: 20 Sep 2018 00:18

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912

Tgt Ion: 41 Resp: 1216
 Ion Ratio Lower Upper
 41 100
 39 75.7 56.9 85.3
 76 0.0 29.7 44.5#

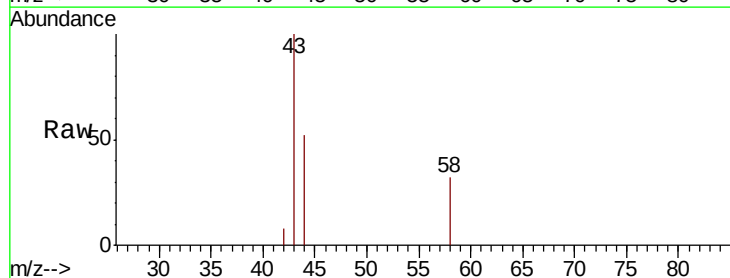


Abundance Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0
 Ion 75.90 (75.60 to 76.60): VU0

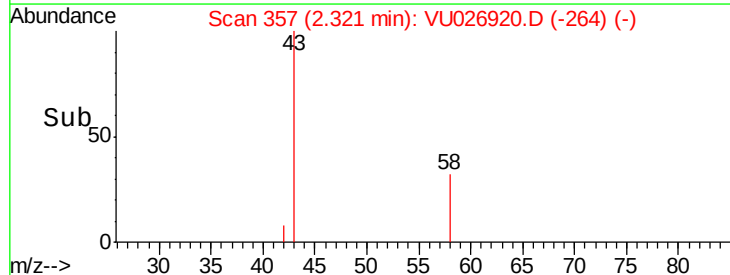
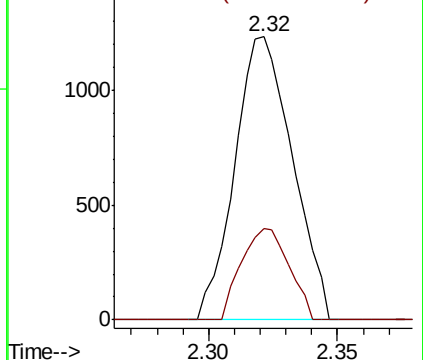


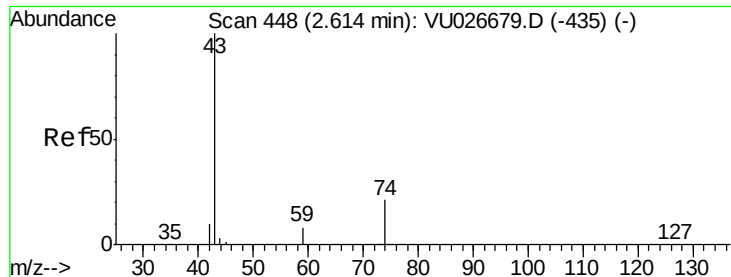
#16
 Acetone
 Concen: 2.899 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU026920.D
 Acq: 20 Sep 2018 00:18

Tgt Ion: 43 Resp: 1928
 Ion Ratio Lower Upper
 43 100
 58 32.4 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

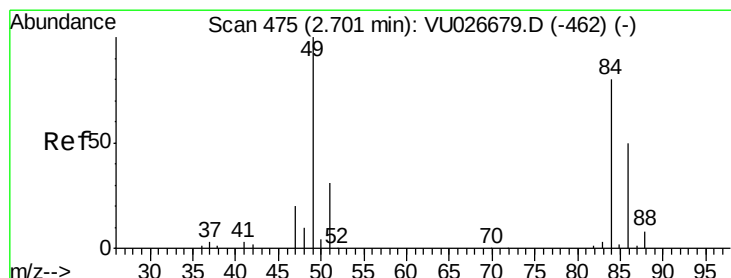
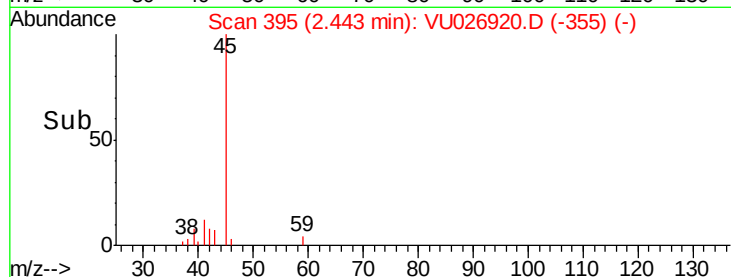
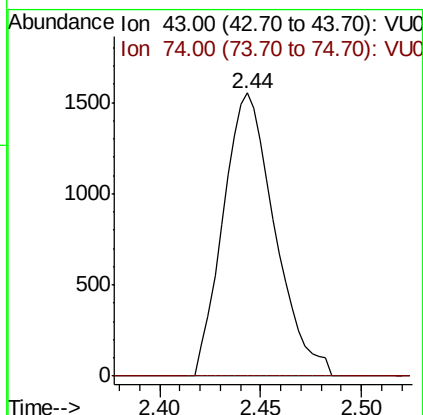
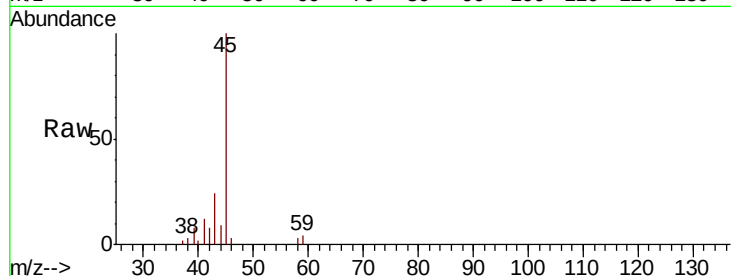




#18
Methyl Acetate
Concen: 1.929 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU026920.D
Acq: 20 Sep 2018 00:18

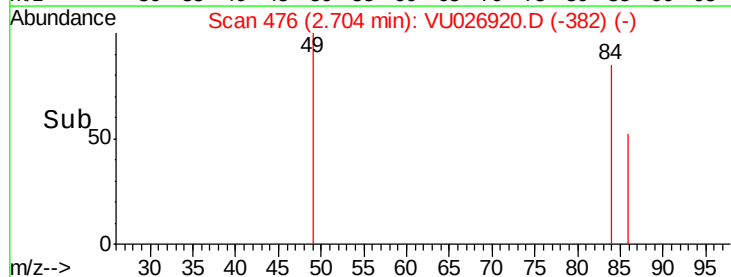
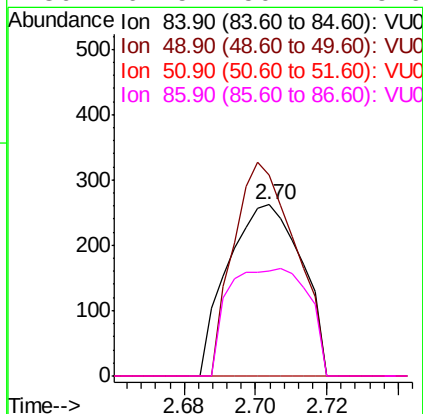
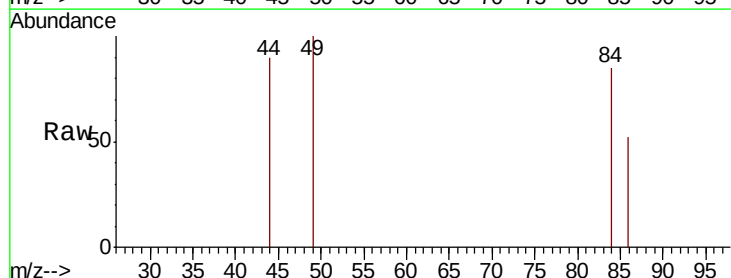
Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912

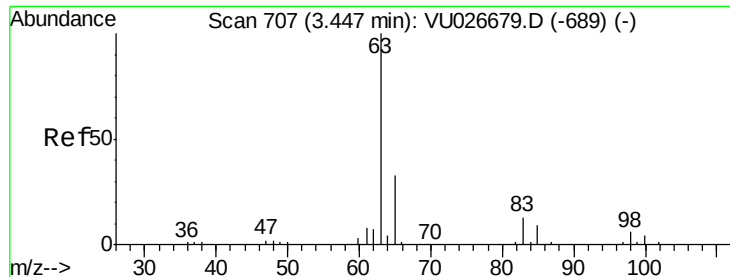
Tgt Ion: 43 Resp: 2769
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.348 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU026920.D
Acq: 20 Sep 2018 00:18

Tgt Ion: 84 Resp: 375
Ion Ratio Lower Upper
84 100
49 117.2 100.6 151.0
51 0.0 30.9 46.3#
86 61.5 50.4 75.6





#24

1,1-Dichloroethane

Concen: 39.414 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU026920.D

Acq: 20 Sep 2018 00:18

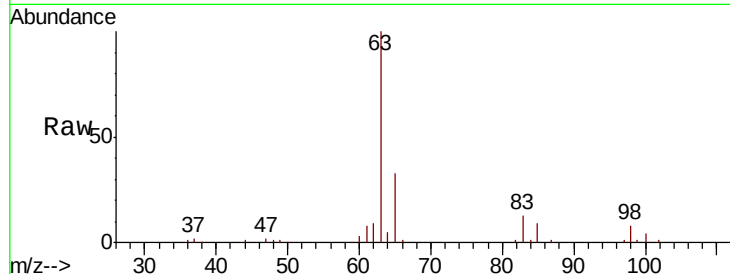
Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912

Tgt Ion:	63	Resp:	74307
Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.1	9.4
100	4.5	2.0	6.0

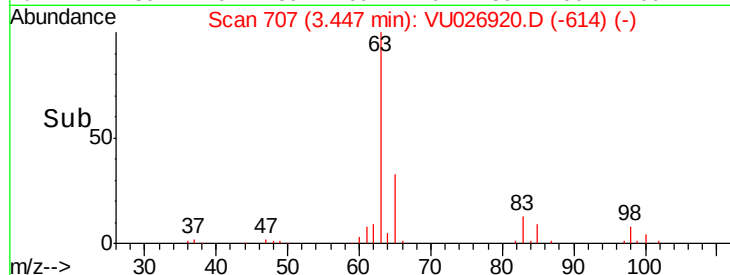


Abundance Ion 62.90 (62.60 to 63.60): VU026679.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VU026679.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU026679.D (-689) (-)

Time-->



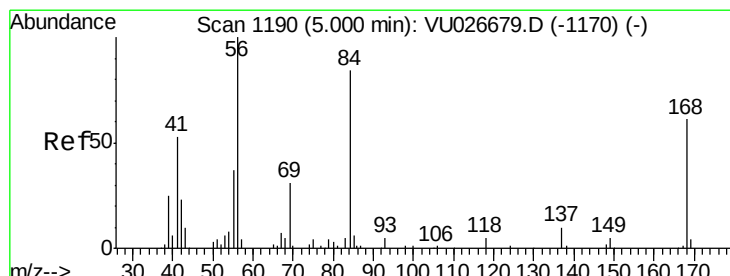
Abundance

Ion 62.90 (62.60 to 63.60): VU026920.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU026920.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU026920.D (-614) (-)

Time-->



#31

Cyclohexane

Concen: 0.591 ug/l

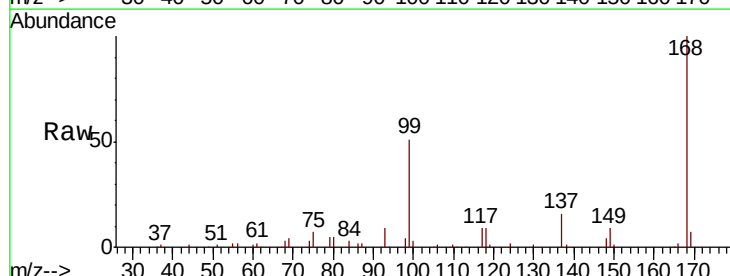
RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU026920.D

Acq: 20 Sep 2018 00:18

Tgt Ion:	56	Resp:	1327
Ion	Ratio	Lower	Upper
56	100		
69	179.1	24.9	37.3#
84	160.9	66.6	100.0#

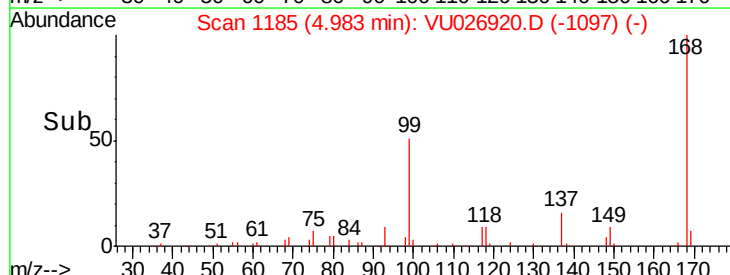


Abundance Ion 56.00 (55.70 to 56.70): VU026679.D (-1170) (-)

Ion 69.00 (68.70 to 69.70): VU026679.D (-1170) (-)

Ion 84.00 (83.70 to 84.70): VU026679.D (-1170) (-)

Time-->



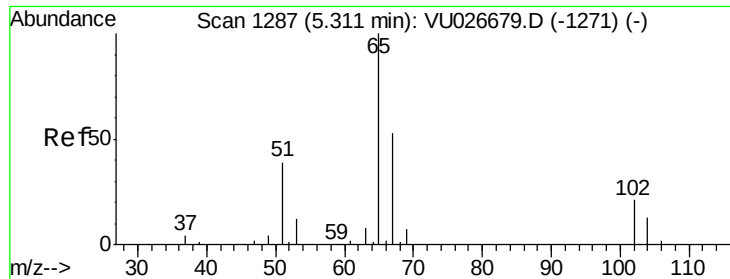
Abundance

Ion 56.00 (55.70 to 56.70): VU026920.D (-1097) (-)

Ion 69.00 (68.70 to 69.70): VU026920.D (-1097) (-)

Ion 84.00 (83.70 to 84.70): VU026920.D (-1097) (-)

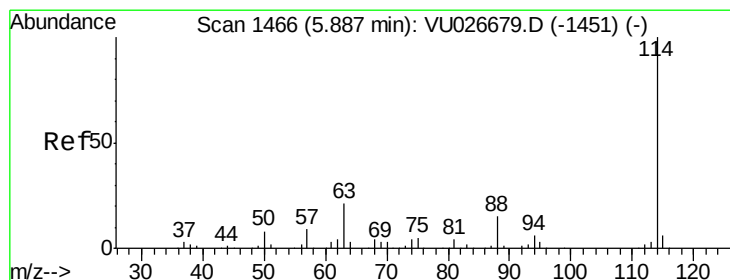
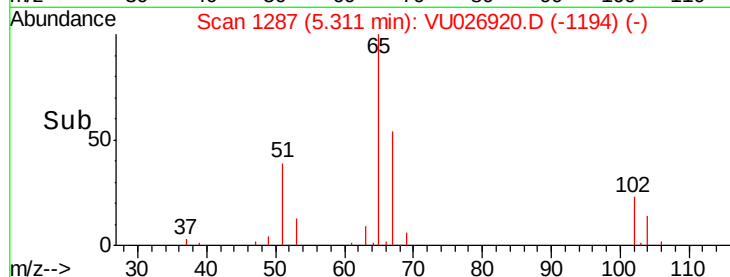
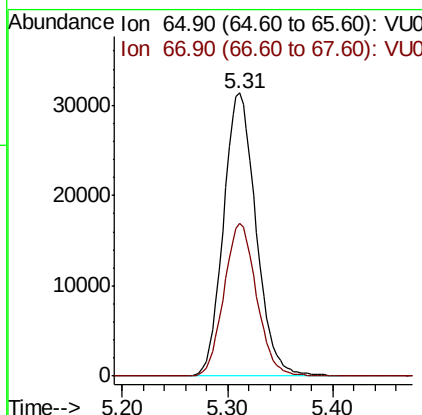
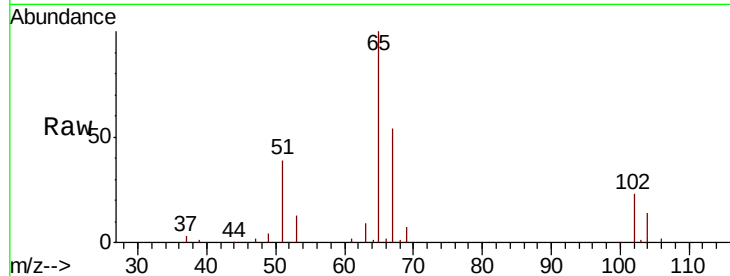
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 57.065 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026920.D
 Acq: 20 Sep 2018 00:18

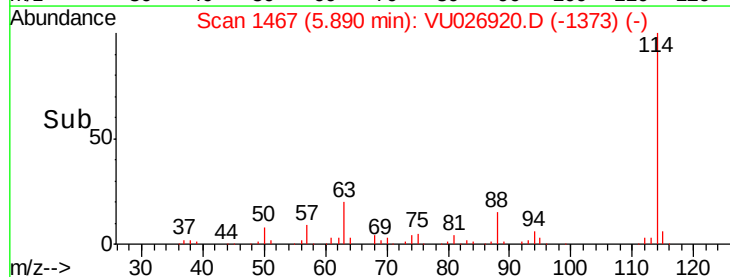
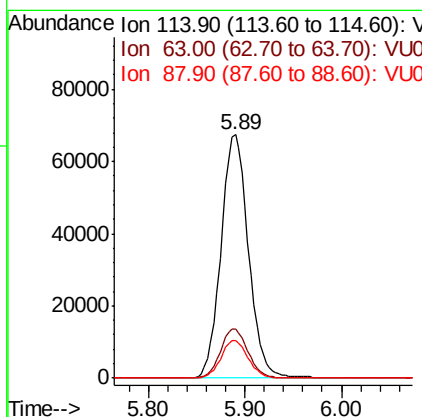
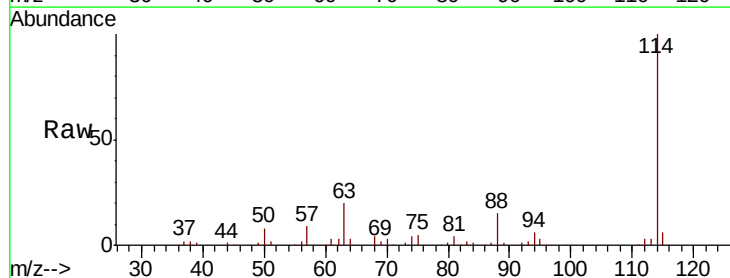
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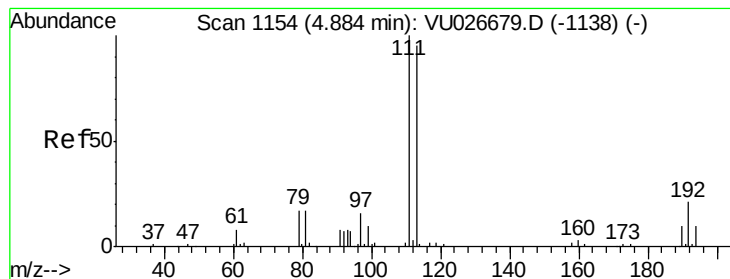
Tgt Ion: 65 Resp: 67039
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026920.D
 Acq: 20 Sep 2018 00:18

Tgt Ion: 114 Resp: 132833
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 55.984 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU026920.D

Acq: 20 Sep 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912

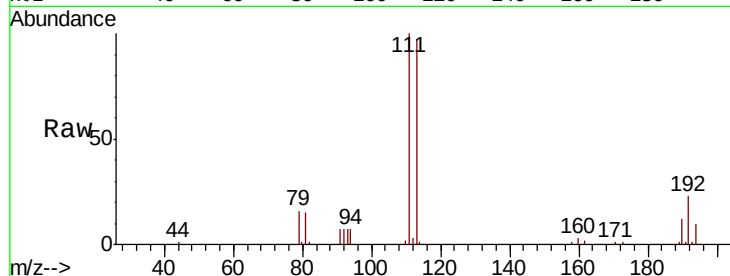
Tgt Ion:113 Resp: 60659

Ion Ratio Lower Upper

113 100

111 102.8 83.1 124.7

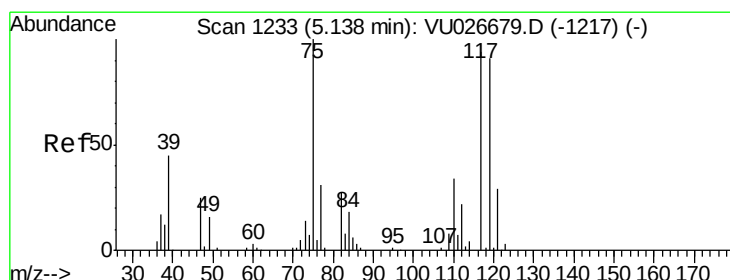
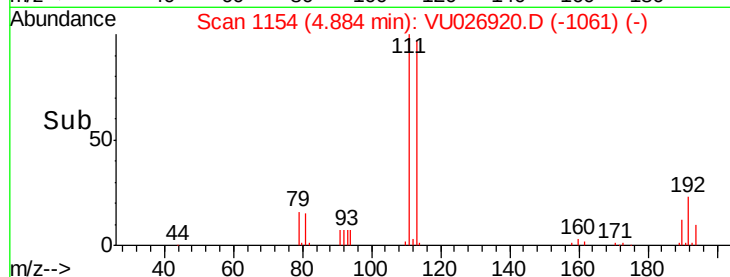
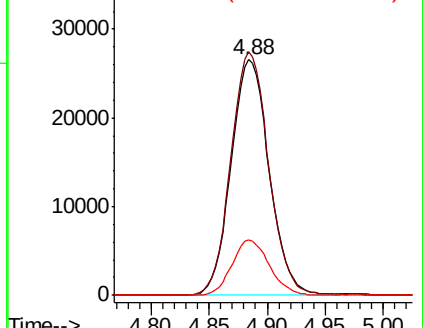
192 23.1 17.4 26.2



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: 3.605 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU026920.D

Acq: 20 Sep 2018 00:18

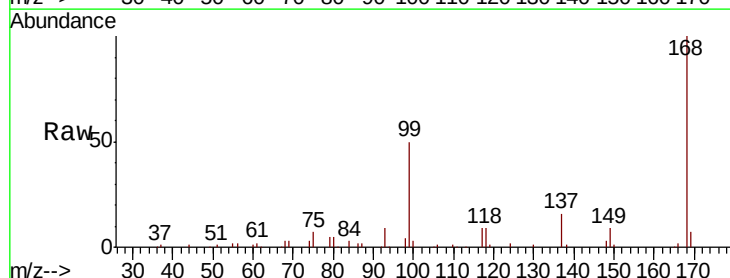
Tgt Ion: 75 Resp: 5377

Ion Ratio Lower Upper

75 100

110 5.7 17.3 51.9#

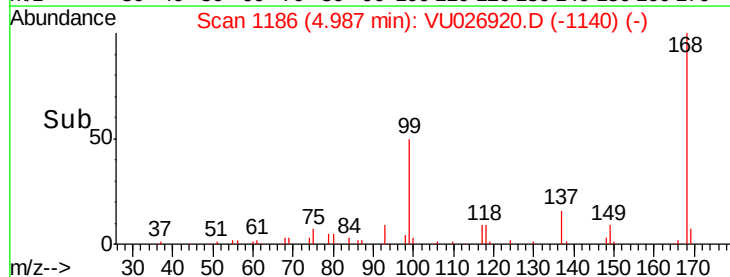
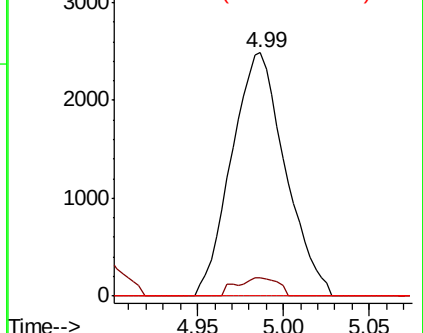
77 0.0 24.9 37.3#

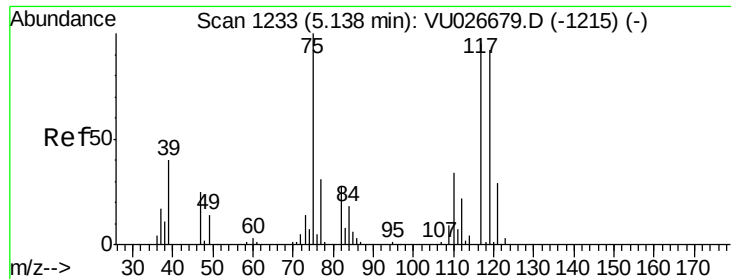


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.300 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU026920.D

Acq: 20 Sep 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

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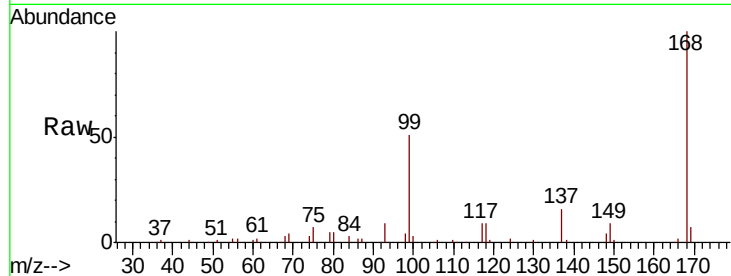
Tgt Ion:117 Resp: 6775

Ion Ratio Lower Upper

117 100

119 5.9 77.8 116.8#

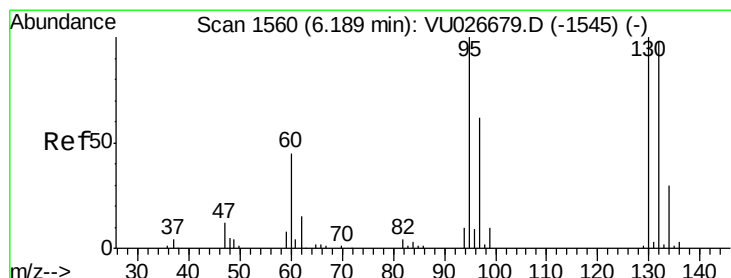
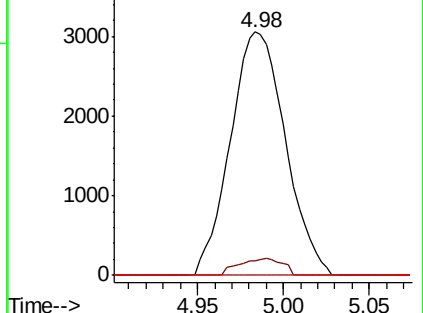
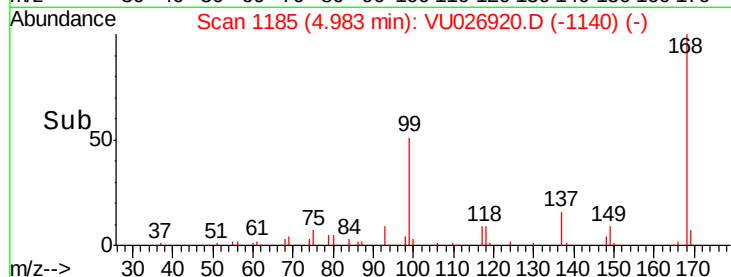
121 0.0 25.0 37.4#



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: 0.219 ug/l

RT: 6.20 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VU026920.D

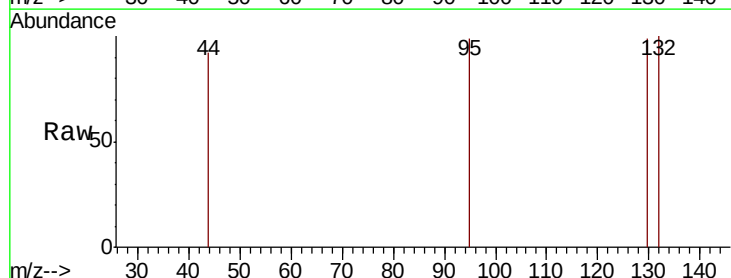
Acq: 20 Sep 2018 00:18

Tgt Ion:130 Resp: 251

Ion Ratio Lower Upper

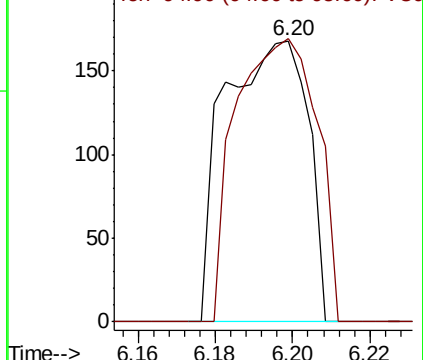
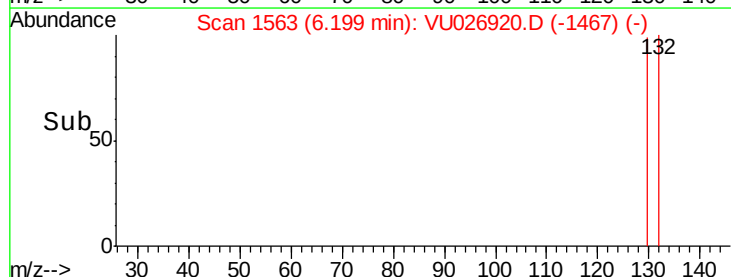
130 100

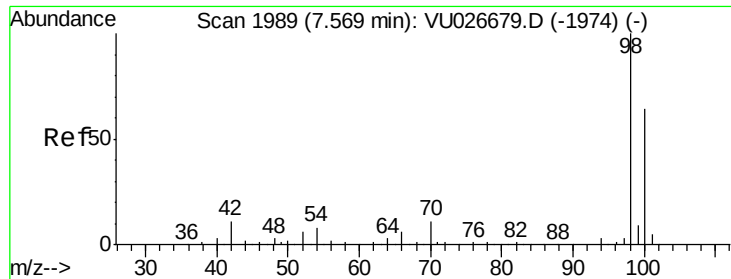
95 100.6 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 49.385 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU026920.D

Acq: 20 Sep 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

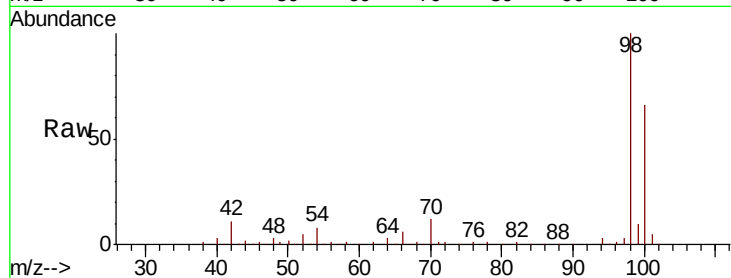
SA-MW131D-20180912

Tgt Ion: 98 Resp: 197907

Ion Ratio Lower Upper

98 100

100 65.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VU026679.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026679.D (-1974) (-)

7.57

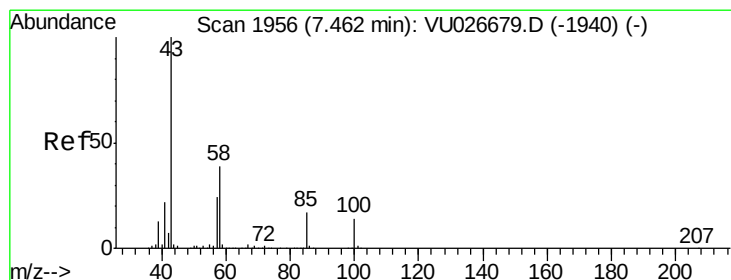
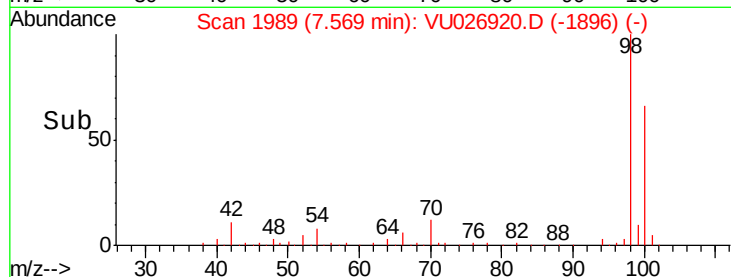
100000

50000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.417 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU026920.D

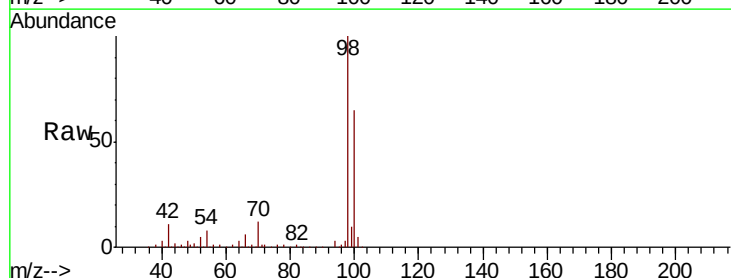
Acq: 20 Sep 2018 00:18

Tgt Ion: 43 Resp: 762

Ion Ratio Lower Upper

43 100

58 202.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VU026679.D (-1940) (-)

Ion 58.00 (57.70 to 58.70): VU026679.D (-1940) (-)

1000

800

600

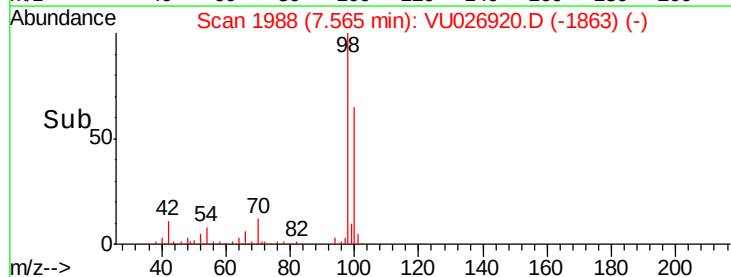
400

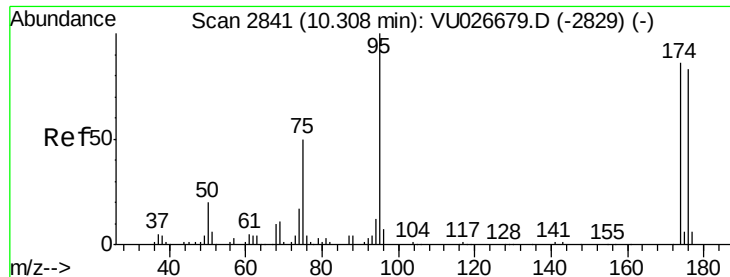
200

0

7.55 7.60

Time-->

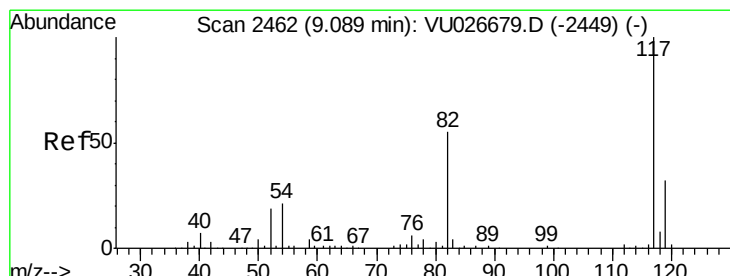
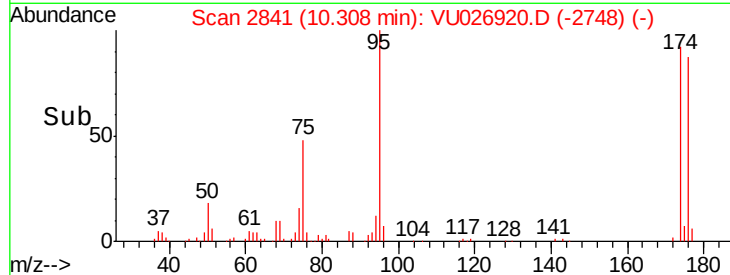
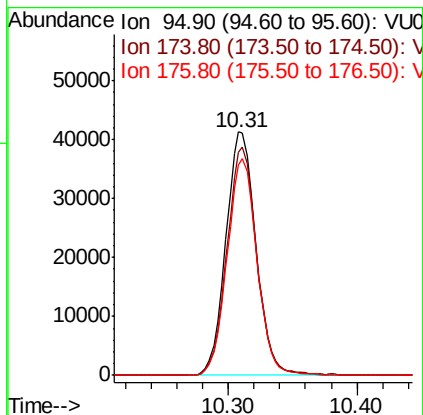
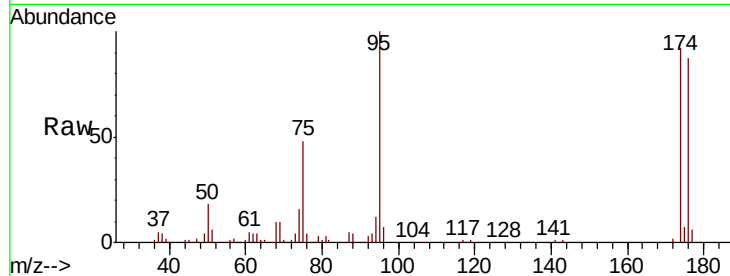




#62
 4-Bromofluorobenzene
 Concen: 45.880 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026920.D
 Acq: 20 Sep 2018 00:18

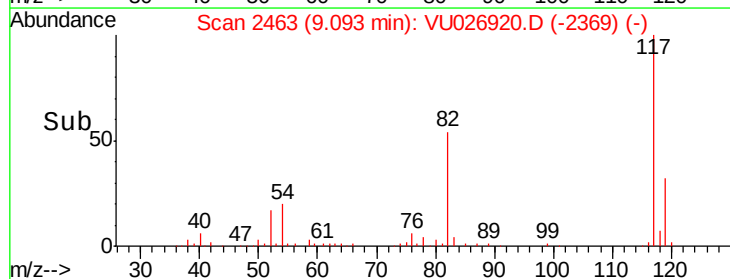
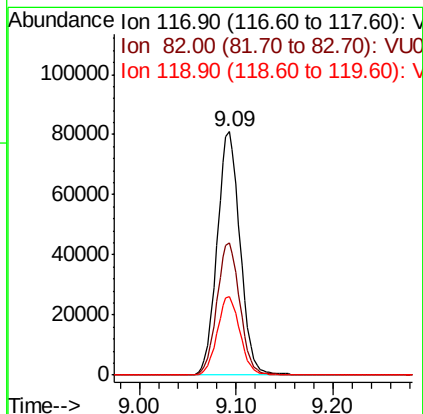
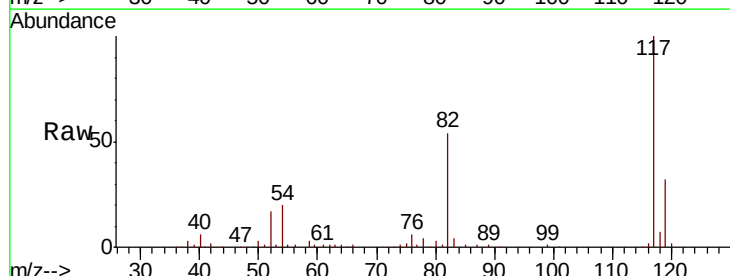
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912

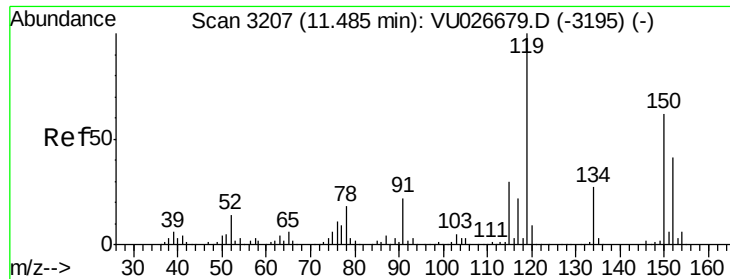
Tgt Ion: 95 Resp: 66637
 Ion Ratio Lower Upper
 95 100
 174 93.4 0.0 172.8
 176 88.5 0.0 168.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VU026920.D
 Acq: 20 Sep 2018 00:18

Tgt Ion: 117 Resp: 133769
 Ion Ratio Lower Upper
 117 100
 82 54.1 44.1 66.1
 119 32.1 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026920.D

Acq: 20 Sep 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912

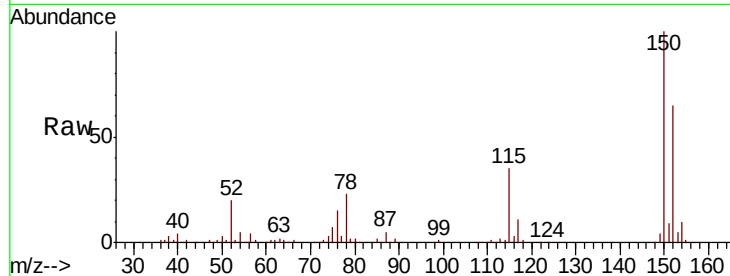
Tgt Ion:152 Resp: 72090

Ion Ratio Lower Upper

152 100

115 54.1 40.4 121.1

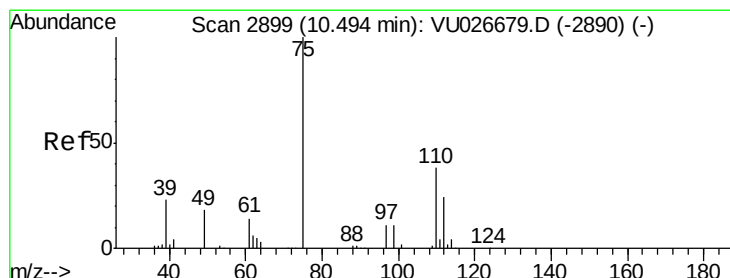
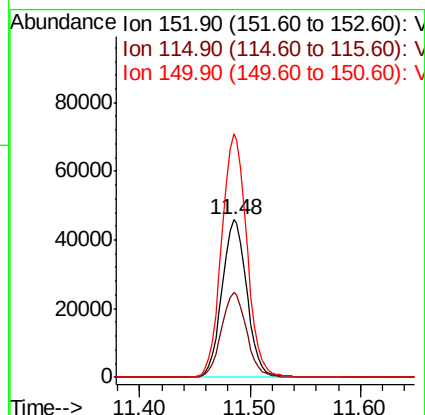
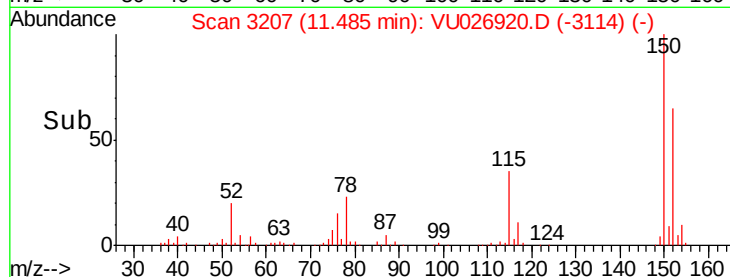
150 156.1 0.0 345.2



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: 19.920 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU026920.D

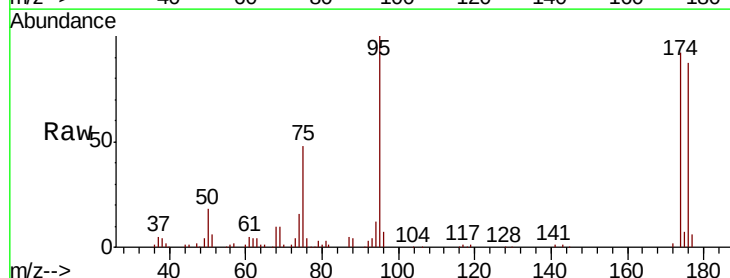
Acq: 20 Sep 2018 00:18

Tgt Ion: 75 Resp: 32168

Ion Ratio Lower Upper

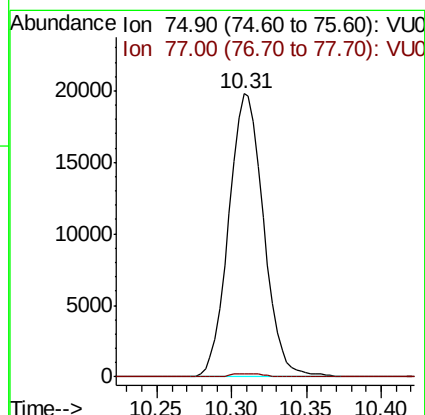
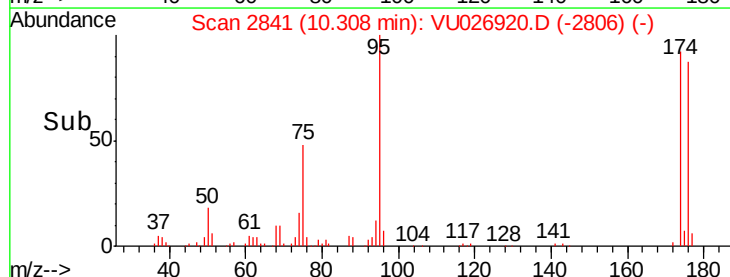
75 100

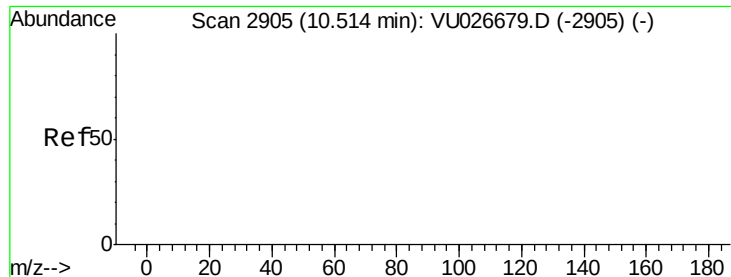
77 1.0 21.1 63.1#



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: 61.910 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU026920.D
 Acq: 20 Sep 2018 00:18

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912

Tgt Ion: 75 Resp: 32168
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

