

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029030.D
 Acq On : 04 Jan 2019 16:16
 Operator : MD/SY
 Sample : K1054-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RW-7

Quant Time: Jan 05 03:47:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	117024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	196376	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	178155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69163	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	76424	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
35) Dibromofluoromethane	4.88	113	66955	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
50) Toluene-d8	7.56	98	248793	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	10.30	95	77195	42.74	ug/l	0.00
Spiked Amount			Recovery	=	85.48%	

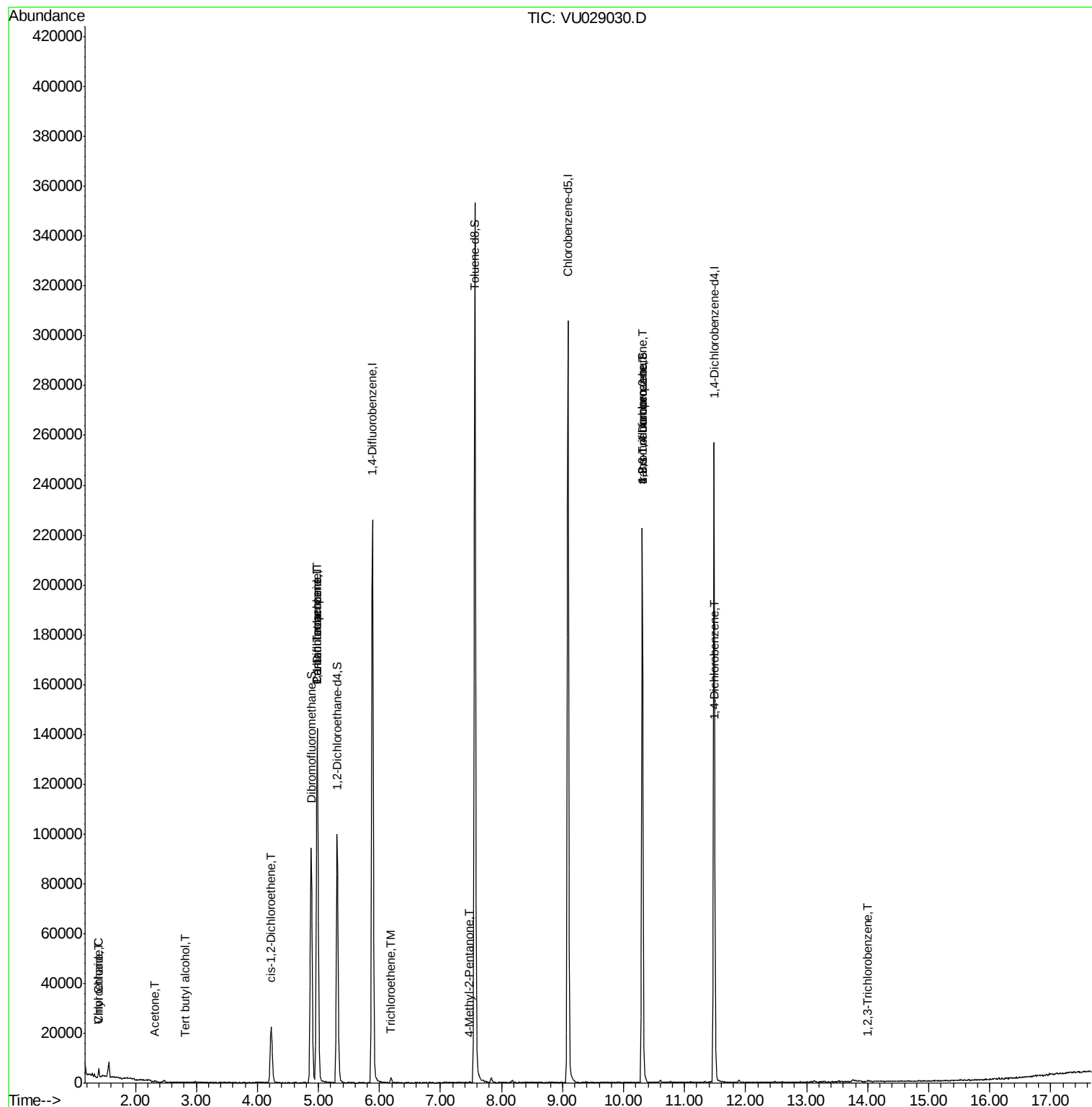
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1060	Below Cal		99
4) Vinyl Chloride	1.40	62	2326	1.360	ug/l	97
5) Bromomethane	1.62	94	101	Below Cal		97
6) Chloroethane	1.40	64	701	0.688	ug/l #	43
11) Tert butyl alcohol	2.82	59	391	1.063	ug/l #	73
16) Acetone	2.32	43	528	0.579	ug/l	99
17) Carbon Disulfide	2.48	76	879	Below Cal	#	75
27) cis-1,2-Dichloroethene	4.22	96	13711	8.890	ug/l	90
31) Cyclohexane	4.98	56	2010	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8457	4.308	ug/l #	46
38) Carbon Tetrachloride	4.98	117	10411	6.359	ug/l #	17
44) Trichloroethene	6.19	130	752	0.496	ug/l	86
51) 4-Methyl-2-Pentanone	7.47	43	544	0.242	ug/l #	33
76) 1,2,3-Trichloropropane	10.30	75	36084	21.293	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	36084	54.917	ug/l #	100
88) 1,4-Dichlorobenzene	11.50	146	618	0.245	ug/l #	75
96) 1,2,3-Trichlorobenzene	14.00	180	496	1.077	ug/l #	63

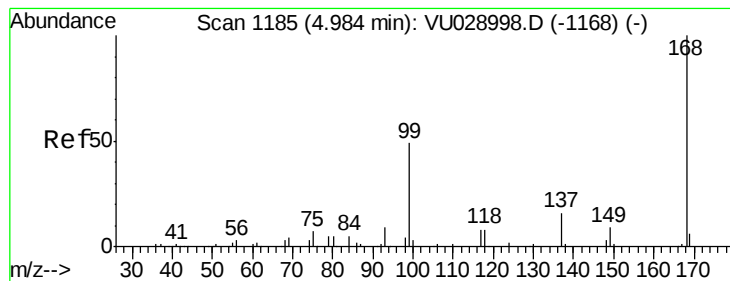
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 04 Jan 2019 16:16
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:22:53 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029030.D

Acq: 04 Jan 2019 16:16

Instrument :

MSVOA_U

ClientSampleId :

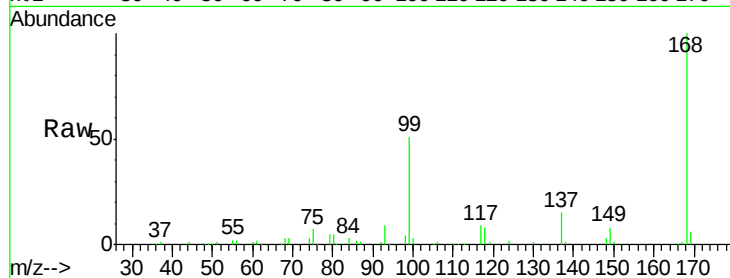
RW-7

Tot Ion:168 Resp: 117024

Ion Ratio Lower Upper

168 100

99 51.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

60000

50000

40000

30000

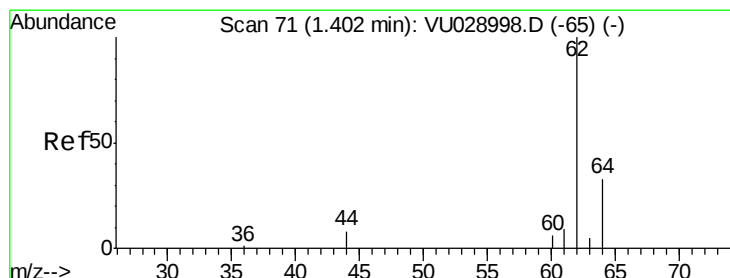
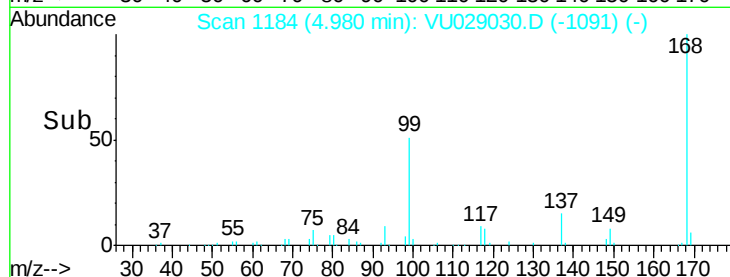
20000

10000

0

4.90 5.00 5.10

Time-->



#4

Vinyl Chloride

Concen: 1.360 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029030.D

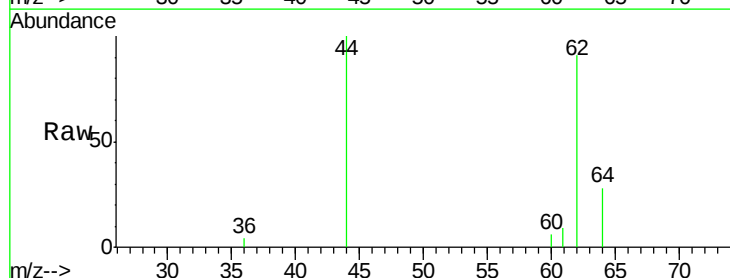
Acq: 04 Jan 2019 16:16

Tgt Ion: 62 Resp: 2326

Ion Ratio Lower Upper

62 100

64 30.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU028998.D (-65) (-)

Ion 63.90 (63.60 to 64.60): VU028998.D (-65) (-)

1.40

2500

2000

1500

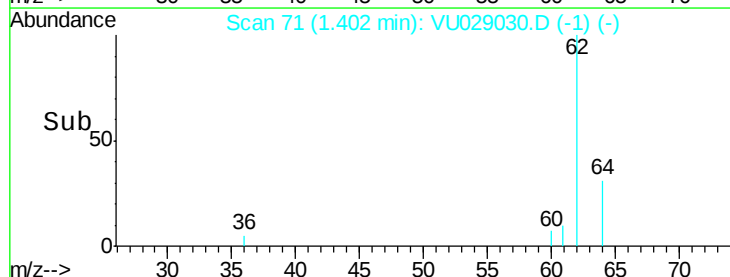
1000

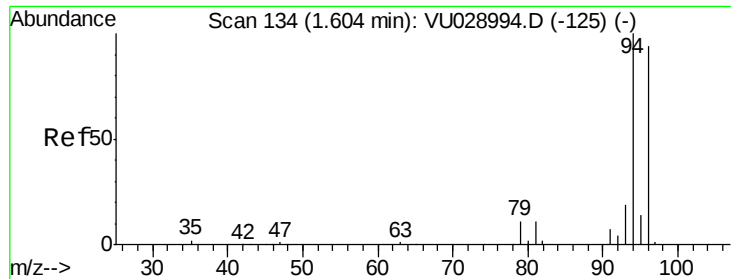
500

0

1.36 1.38 1.40 1.42 1.44

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 139

Delta R.T. 0.02 min

Lab File: VU029030.D

Acq: 04 Jan 2019 16:16

Instrument :

MSVOA_U

ClientSampleId :

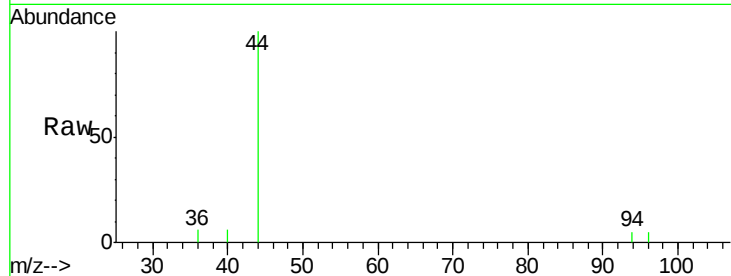
RW-7

Tot Ion: 94 Resp: 101

Ion Ratio Lower Upper

94 100

96 97.2 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

100

80

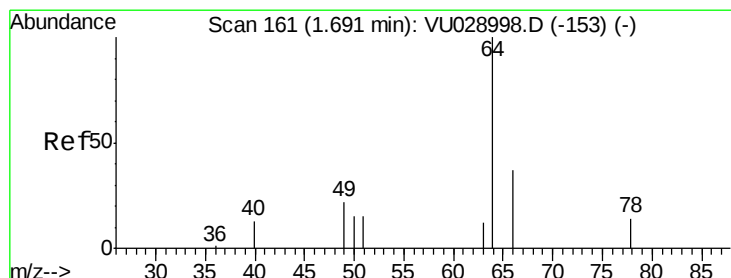
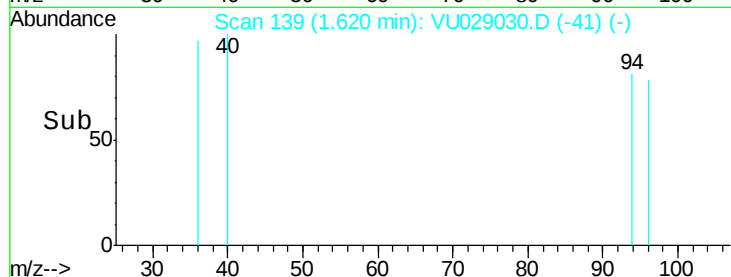
60

40

20

0

Time--> 1.60 1.61 1.62 1.63 1.64



#6

Chloroethane

Concen: 0.688 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.28 min

Lab File: VU029030.D

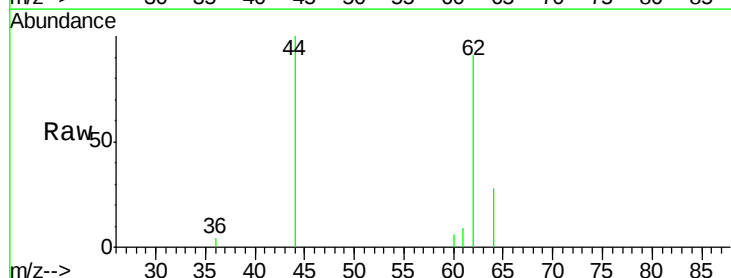
Acq: 04 Jan 2019 16:16

Tgt Ion: 64 Resp: 701

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

800

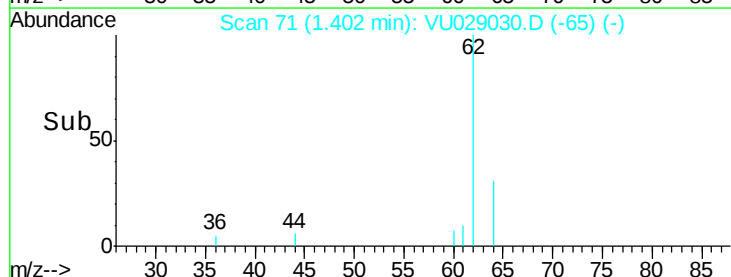
600

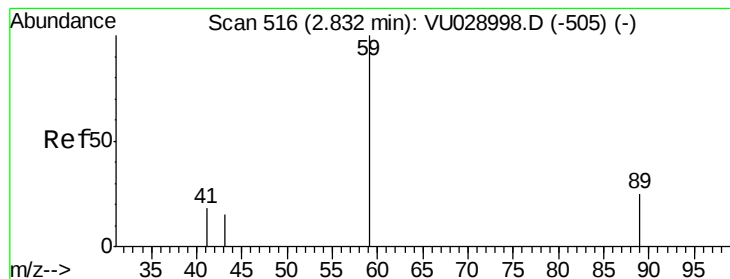
400

200

0

Time--> 1.38 1.40 1.42



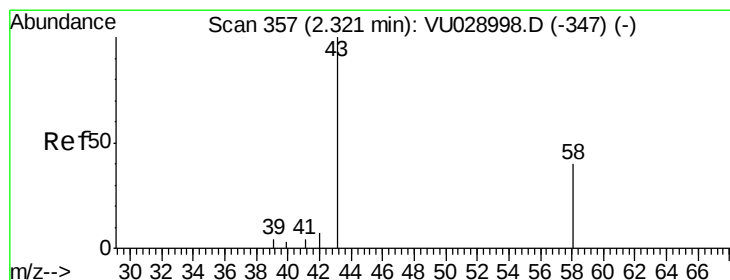
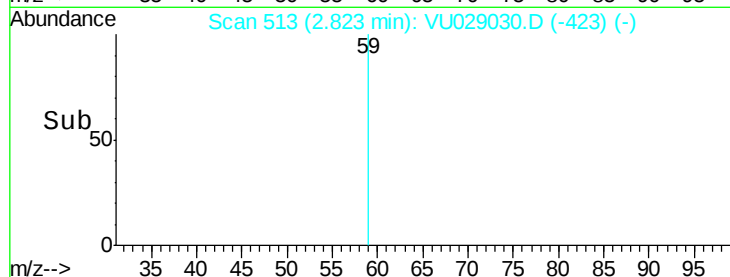
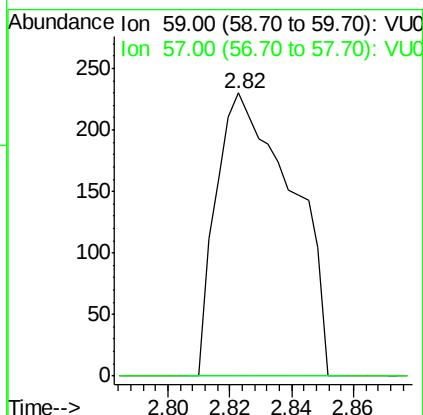
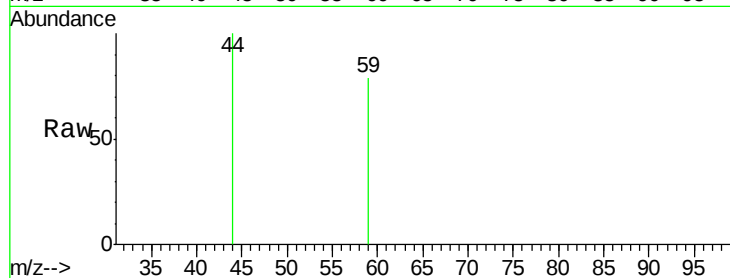


#11

Tert butvl alcohol
 Concen: 1.063 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU029030.D
 Acq: 04 Jan 2019 16:16

Instrument :
 MSVOA_U
 ClientSampleId :
 RW-7

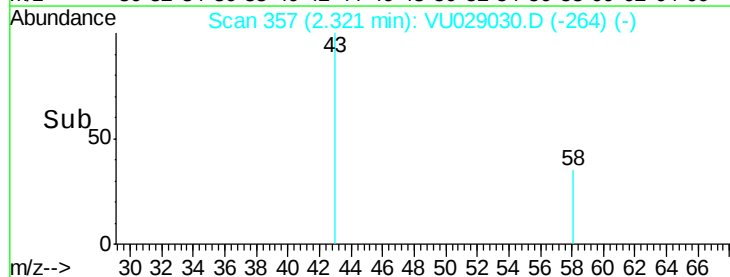
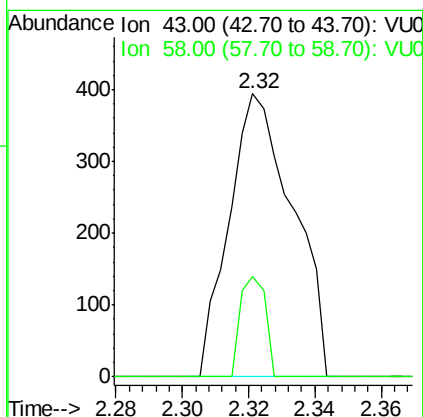
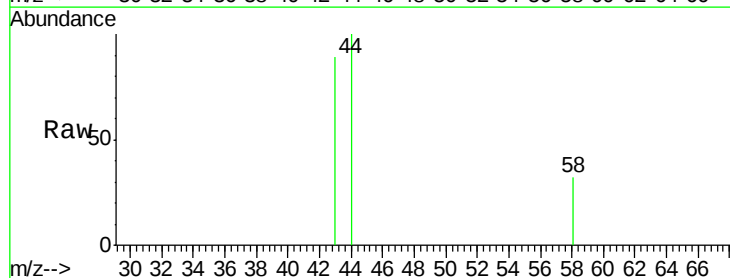
Tot Ion: 59 Resp: 391
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

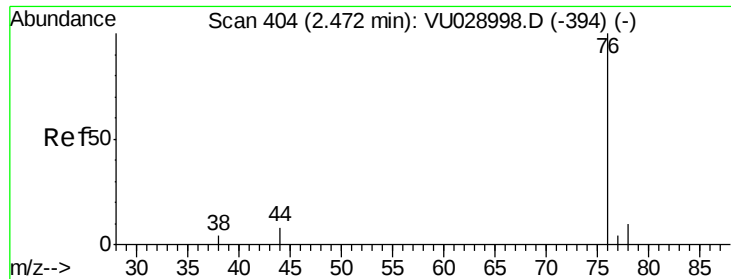


#16

Acetone
 Concen: 0.579 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU029030.D
 Acq: 04 Jan 2019 16:16

Tgt Ion: 43 Resp: 528
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.6 42.8

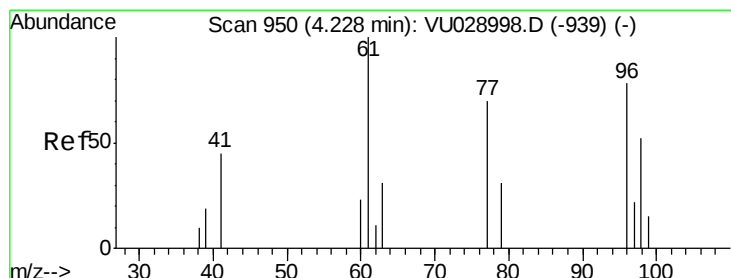
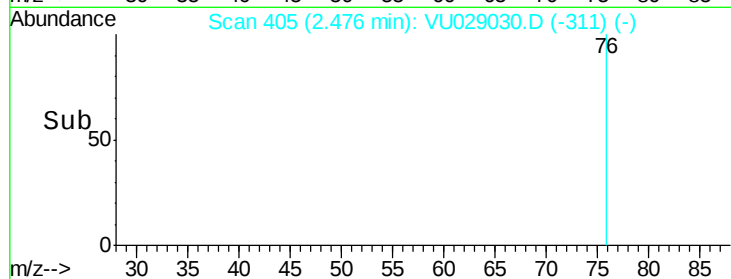
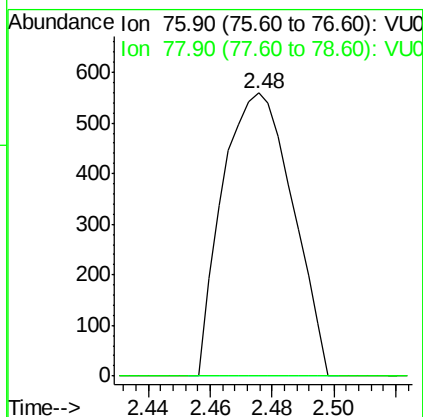
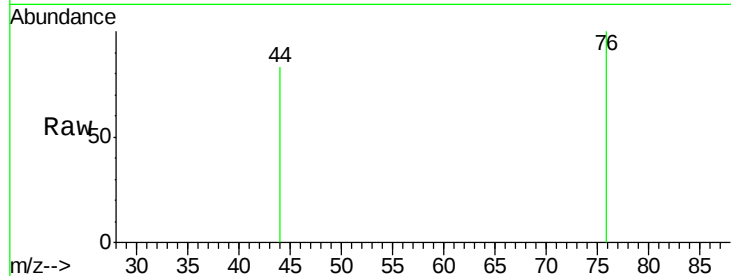




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU029030.D
Acq: 04 Jan 2019 16:16

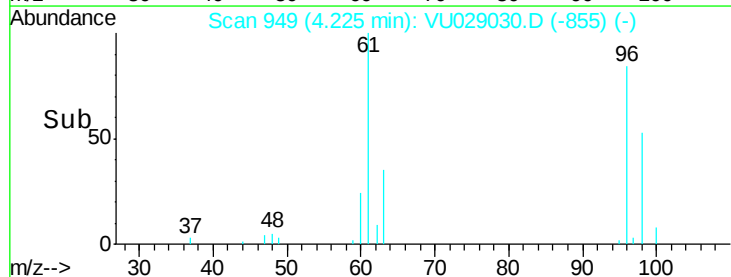
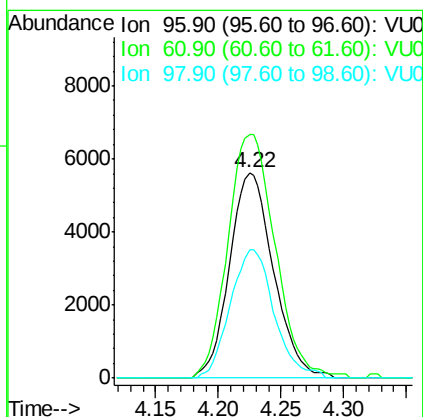
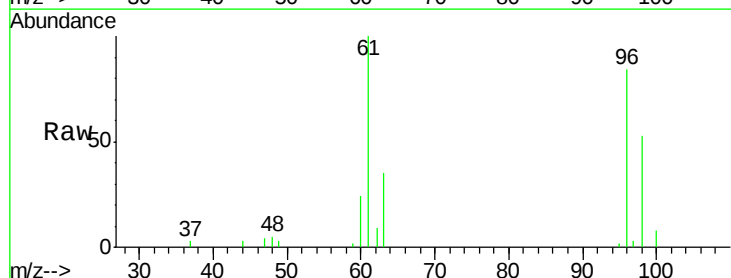
Instrument :
MSVOA_U
ClientSampleId :
RW-7

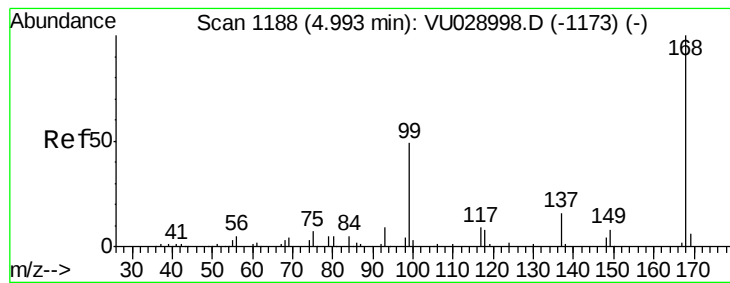
Tot Ion: 76 Resp: 879
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#27
cis-1,2-Dichloroethene
Concen: 8.890 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029030.D
Acq: 04 Jan 2019 16:16

Tgt Ion: 96 Resp: 13711
Ion Ratio Lower Upper
96 100
61 127.4 0.0 285.6
98 62.5 0.0 130.2





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VU029030.D

Acq: 04 Jan 2019 16:16

Instrument :

MSVOA_U

ClientSampleId :

RW-7

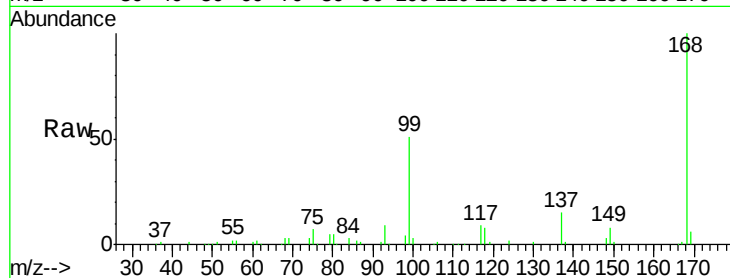
Tot Ion: 56 Resp: 2010

Ion Ratio Lower Upper

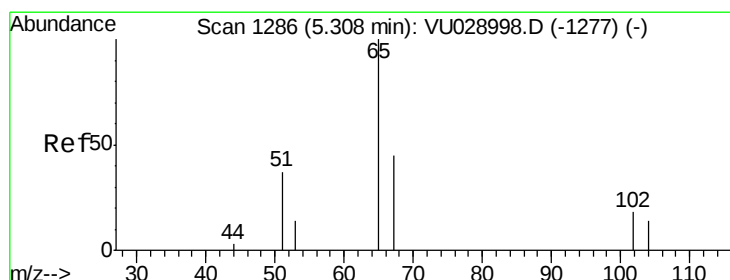
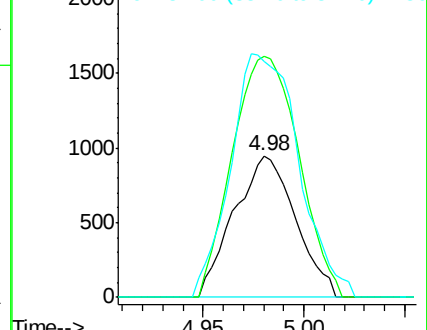
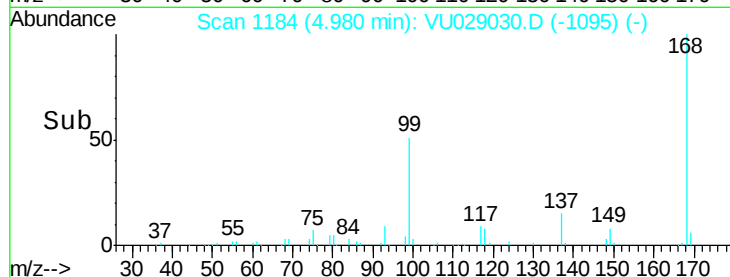
56 100

69 170.0 26.7 40.1#

84 166.1 65.7 98.5#



Abundance Ion 56.00 (55.70 to 56.70): VU029030.D (-1095) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.828 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU029030.D

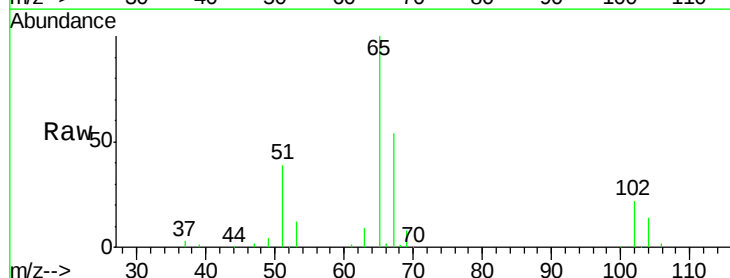
Acq: 04 Jan 2019 16:16

Tgt Ion: 65 Resp: 76424

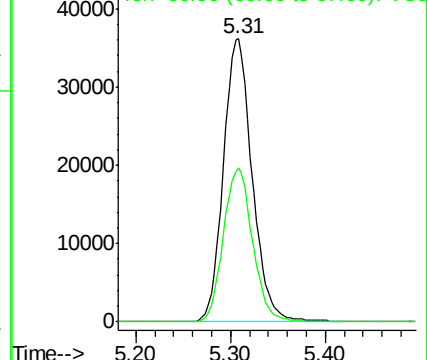
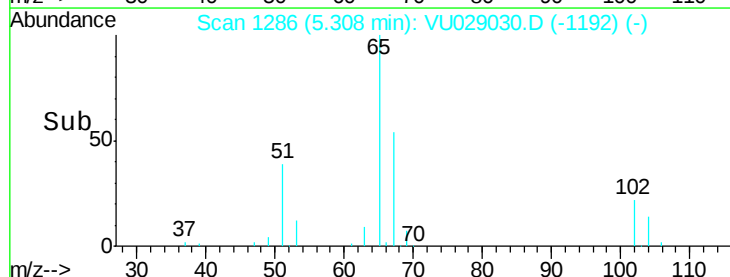
Ion Ratio Lower Upper

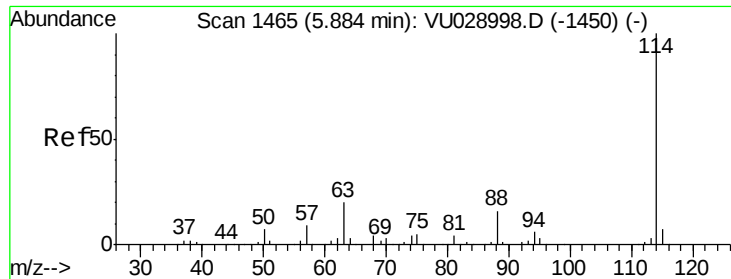
65 100

67 55.1 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU029030.D (-1192) (-)

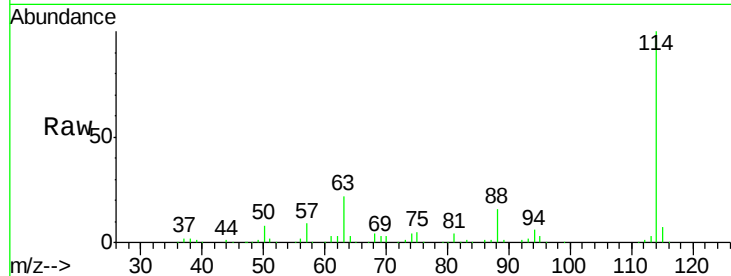




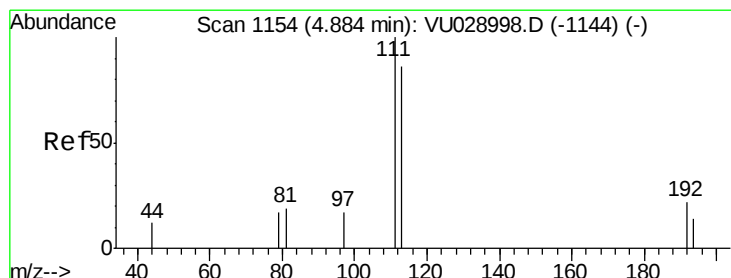
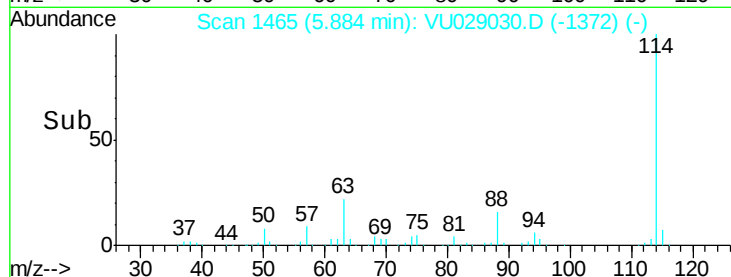
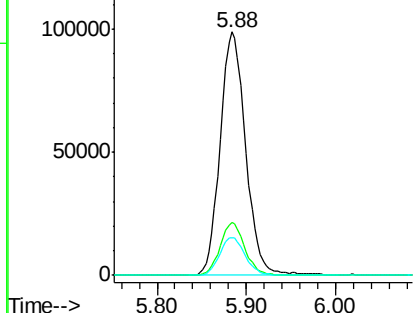
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029030.D
 Acq: 04 Jan 2019 16:16

Instrument :
 MSVOA_U
 ClientSampled :
 RW-7

Tot Ion:114 Resp: 196376
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 40.2
 88 15.6 0.0 30.4

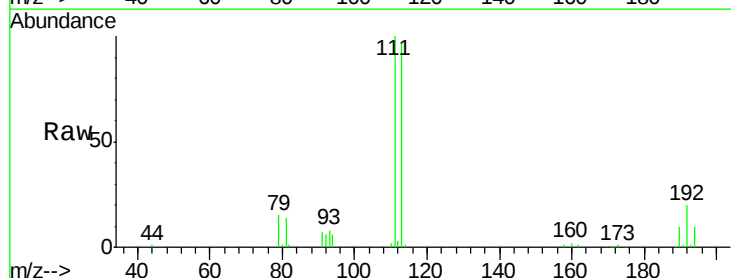


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

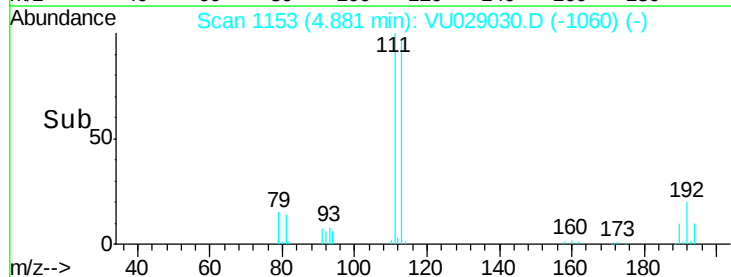
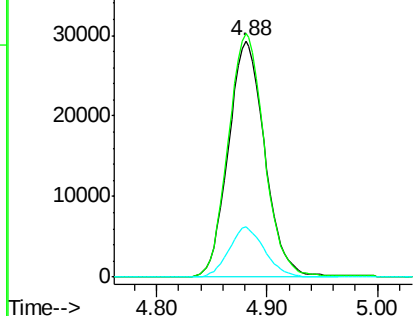


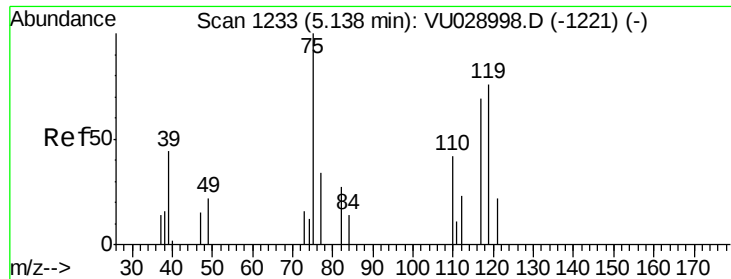
#35
 Dibromofluoromethane
 Concen: 52.598 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029030.D
 Acq: 04 Jan 2019 16:16

Tgt Ion:113 Resp: 66955
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.4 122.2
 192 20.7 16.8 25.2



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

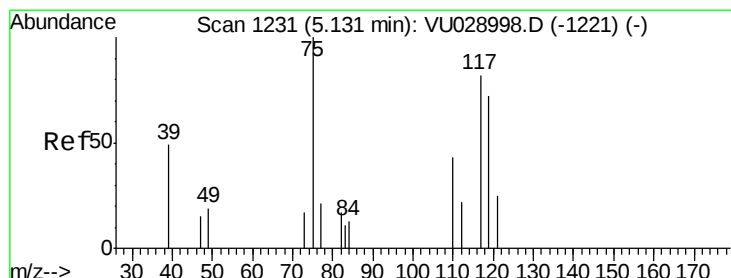
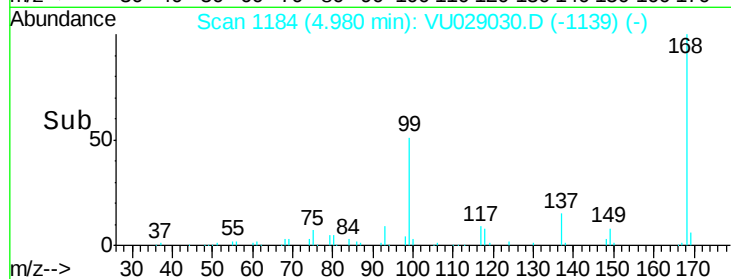
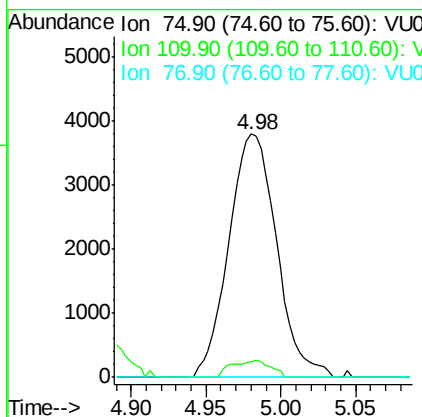
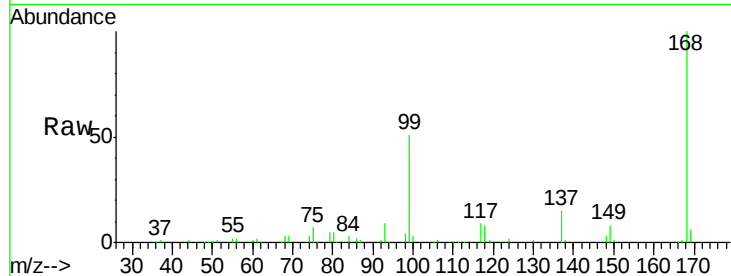




#36
 1,1-Dichloropropene
 Concen: 4.308 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029030.D
 Acq: 04 Jan 2019 16:16

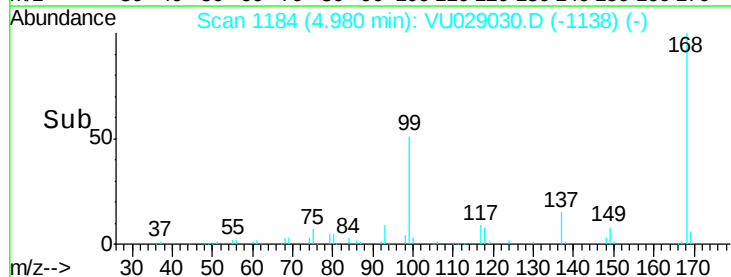
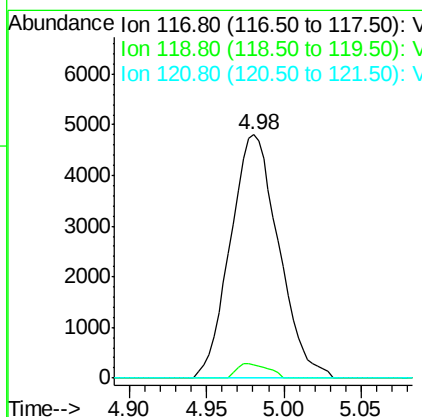
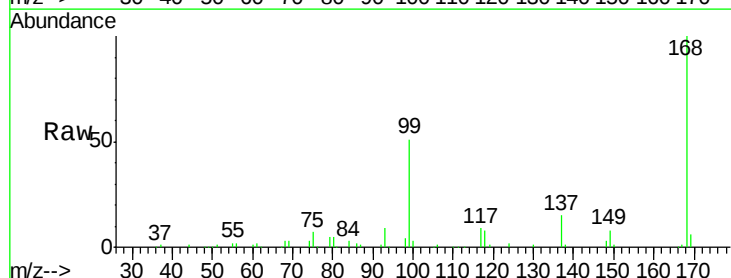
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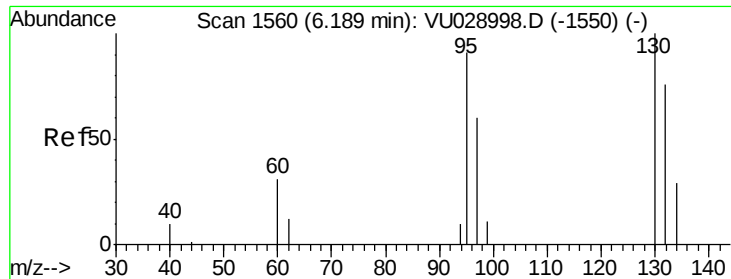
Tot Ion: 75 Resp: 8457
 Ion Ratio Lower Upper
 75 100
 110 5.7 18.4 55.4#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.359 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029030.D
 Acq: 04 Jan 2019 16:16

Tgt Ion: 117 Resp: 10411
 Ion Ratio Lower Upper
 117 100
 119 5.5 74.6 111.8#
 121 0.0 25.0 37.6#





#44

Trichloroethene

Concen: 0.496 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VU029030.D

Acq: 04 Jan 2019 16:16

Instrument :

MSVOA_U

ClientSampleId :

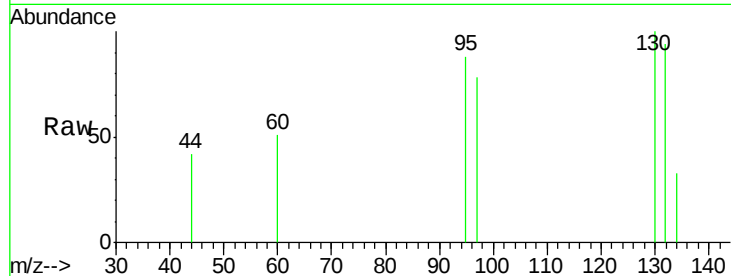
RW-7

Tot Ion:130 Resp: 752

Ion Ratio Lower Upper

130 100

95 88.0 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028998.D (-1550) (-)

Ion 94.90 (94.60 to 95.60): VU028998.D (-1550) (-)

6.19

400

300

200

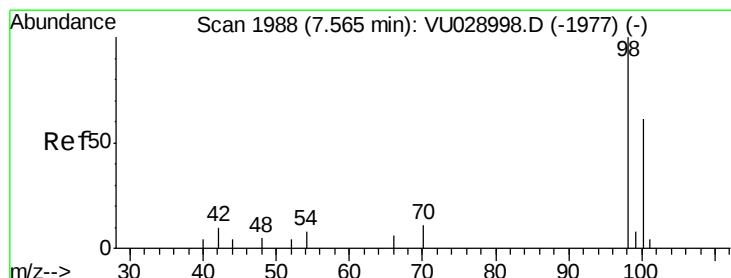
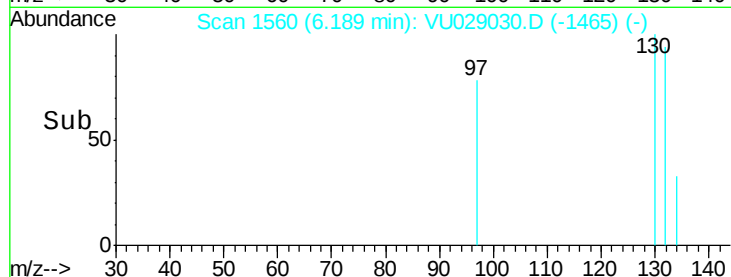
100

0

6.15

6.20

Time-->



#50

Toluene-d8

Concen: 49.506 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029030.D

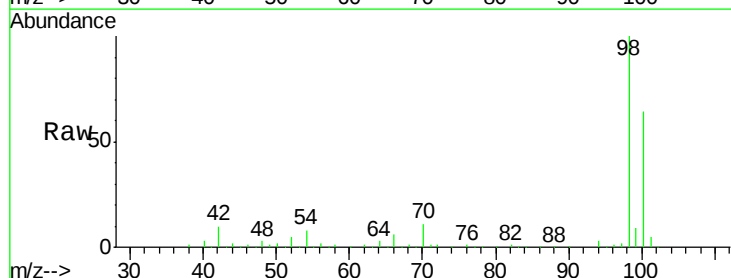
Acq: 04 Jan 2019 16:16

Tgt Ion: 98 Resp: 248793

Ion Ratio Lower Upper

98 100

100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU028998.D (-1977) (-)

Ion 100.00 (99.70 to 100.70): VU028998.D (-1977) (-)

7.56

150000

100000

50000

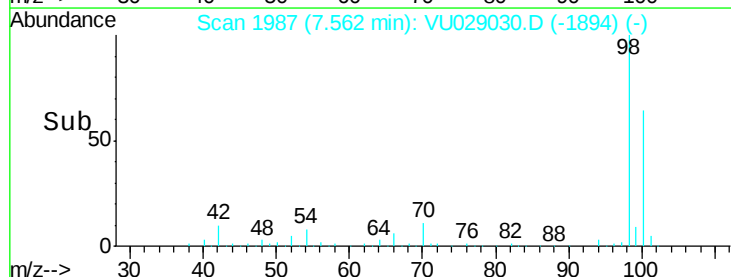
0

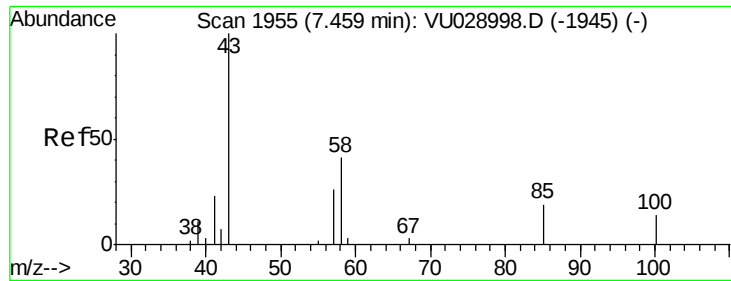
7.55

7.60

7.70

Time-->

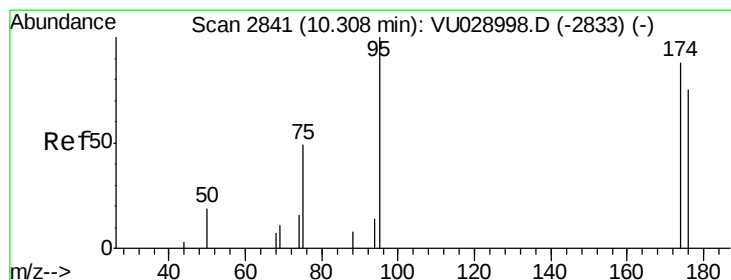
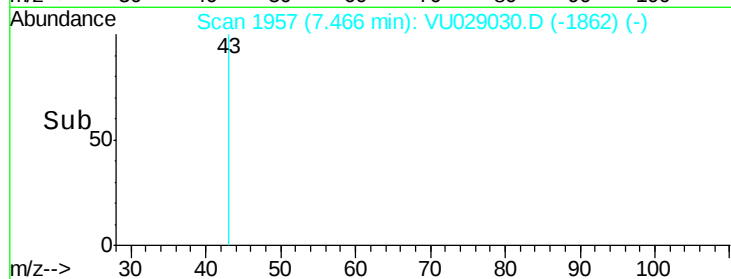
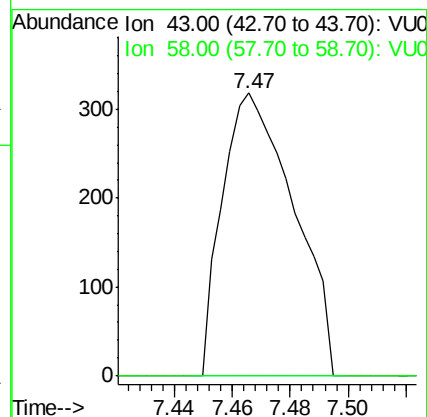
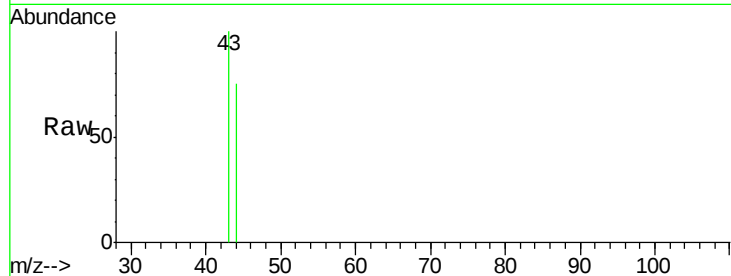




#51
4-Methyl-2-Pentanone
Concen: 0.242 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.01 min
Lab File: VU029030.D
Acq: 04 Jan 2019 16:16

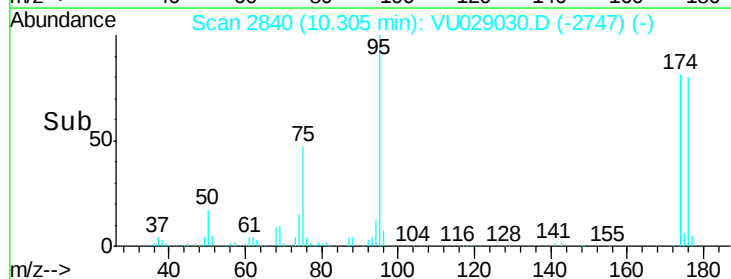
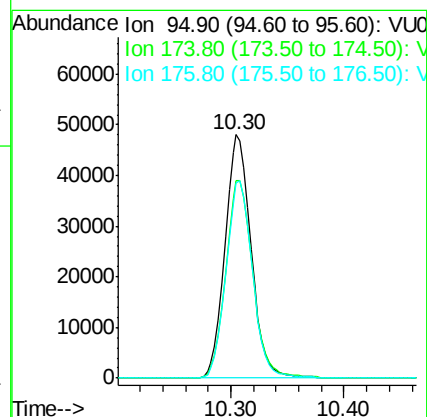
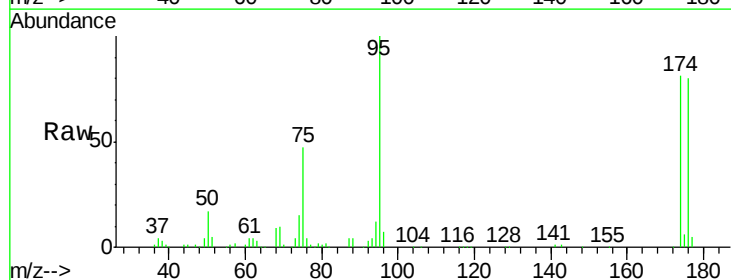
Instrument :
MSVOA_U
ClientSampleId :
RW-7

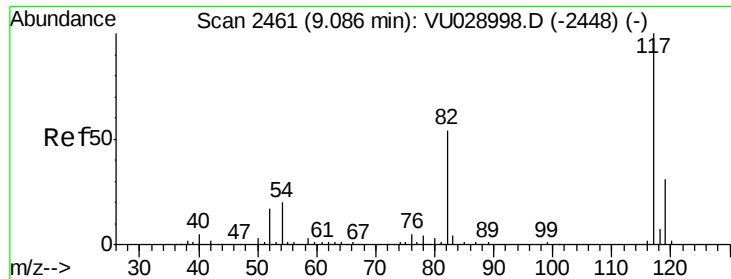
Tot Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
58 0.0 33.9 50.9#



#62
4-Bromofluorobenzene
Concen: 42.742 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029030.D
Acq: 04 Jan 2019 16:16

Tgt Ion: 95 Resp: 77195
Ion Ratio Lower Upper
95 100
174 84.2 0.0 170.6
176 82.0 0.0 165.0

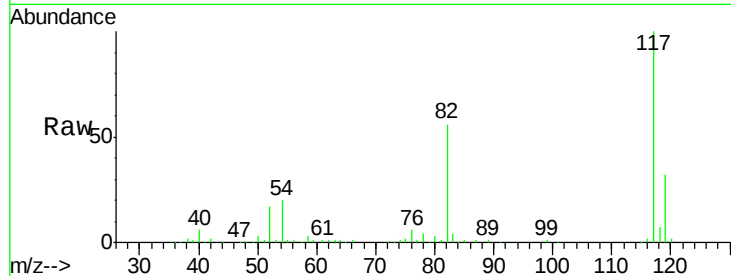




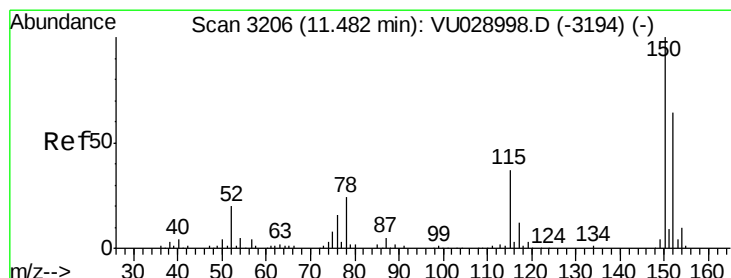
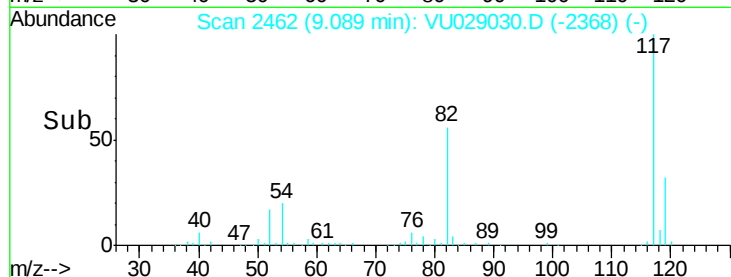
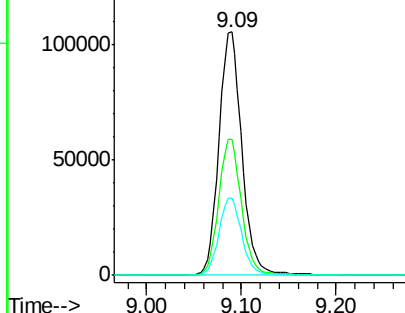
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029030.D
Acq: 04 Jan 2019 16:16

Instrument :
MSVOA_U
ClientSampleId :
RW-7

Tot Ion:117 Resp: 178155
Ion Ratio Lower Upper
117 100
82 55.8 43.9 65.9
119 31.8 26.0 39.0

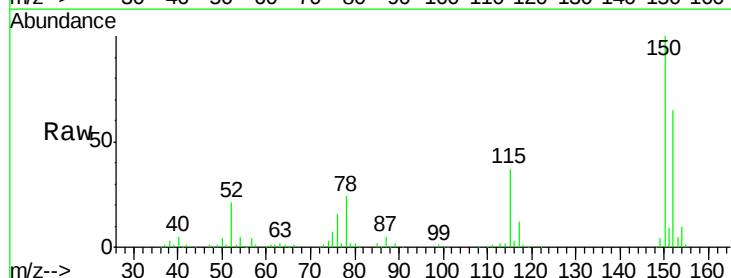


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

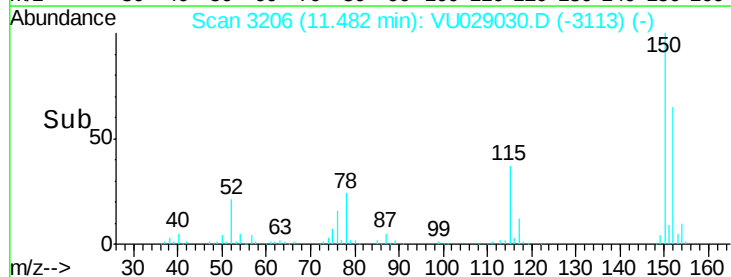
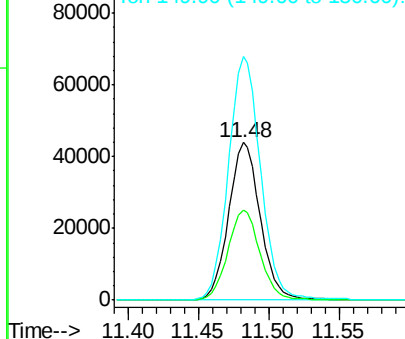


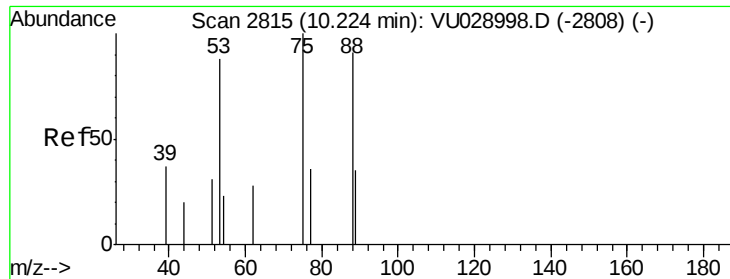
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029030.D
Acq: 04 Jan 2019 16:16

Tgt Ion:152 Resp: 69163
Ion Ratio Lower Upper
152 100
115 57.8 40.1 120.3
150 157.8 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: 21.293 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029030.D

Acq: 04 Jan 2019 16:16

Instrument :

MSVOA_U

ClientSampled :

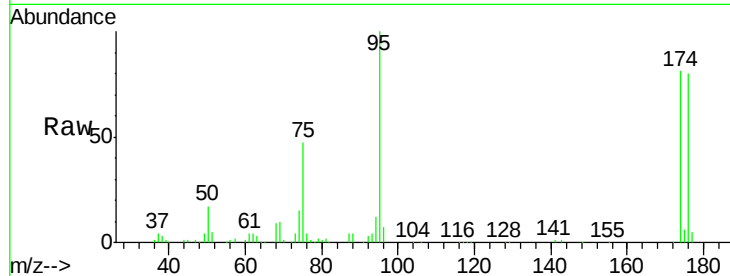
RW-7

Tot Ion: 75 Resp: 36084

Ion Ratio Lower Upper

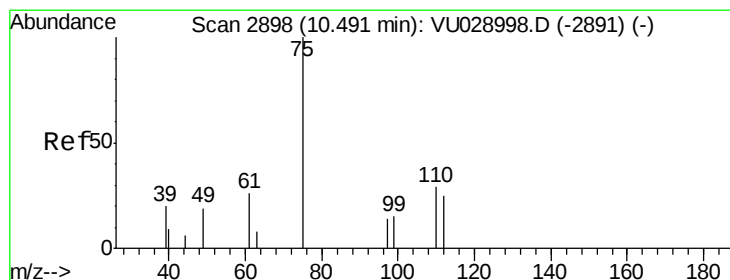
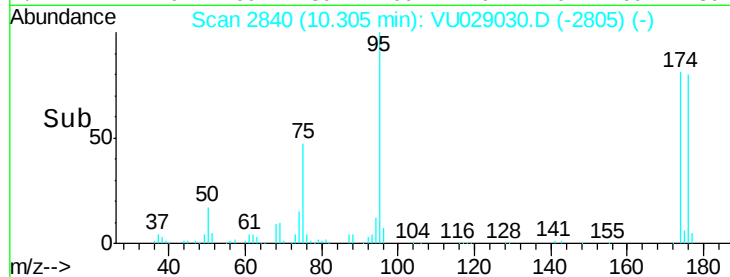
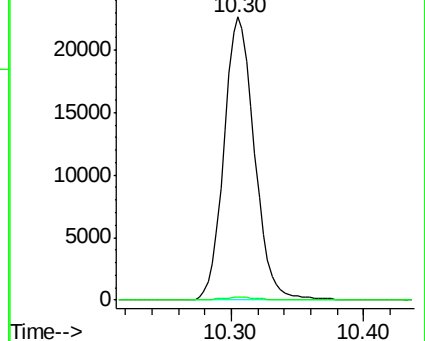
75 100

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: 54.917 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029030.D

Acq: 04 Jan 2019 16:16

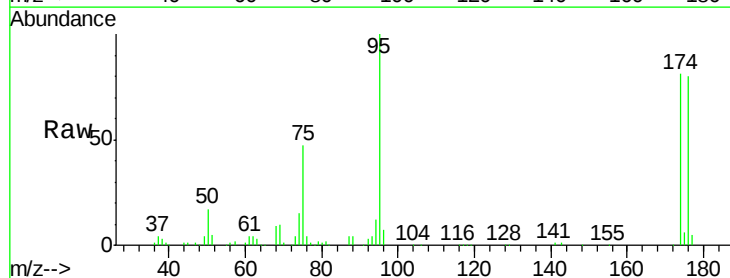
Tgt Ion: 75 Resp: 36084

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

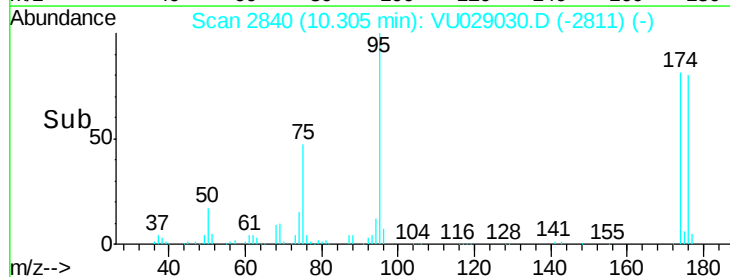
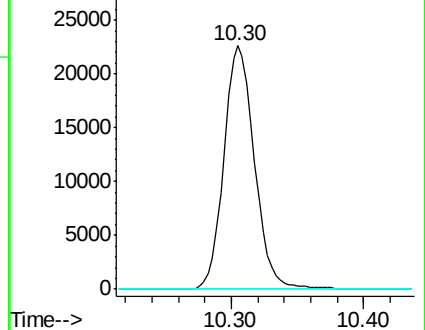
89 0.0 0.0 0.0

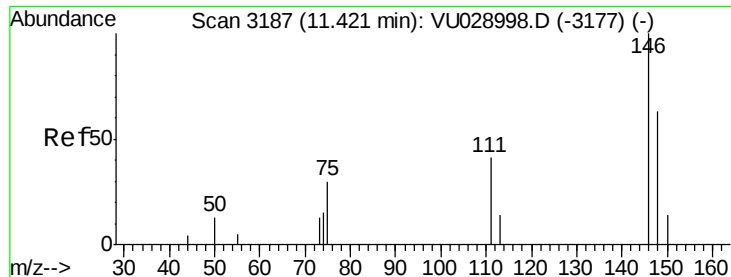


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#88

1,4-Dichlorobenzene

Concen: 0.245 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU029030.D

Acq: 04 Jan 2019 16:16

Instrument :

MSVOA_U

ClientSampleId :

RW-7

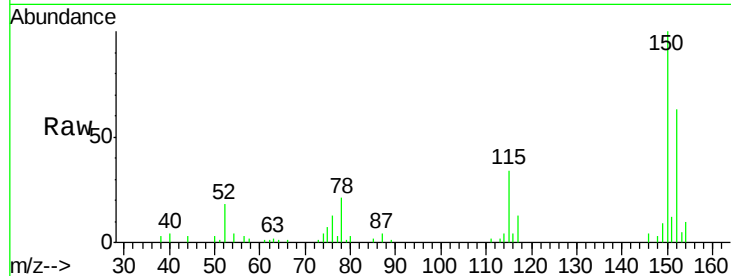
Tot Ion:146 Resp: 618

Ion Ratio Lower Upper

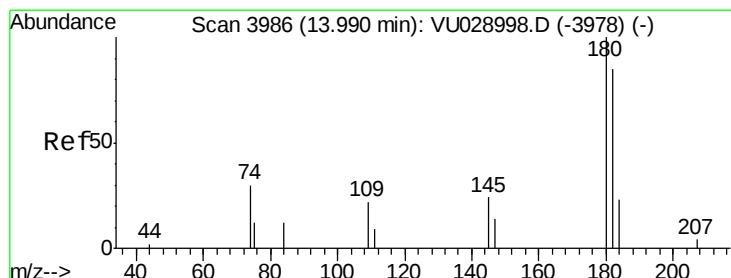
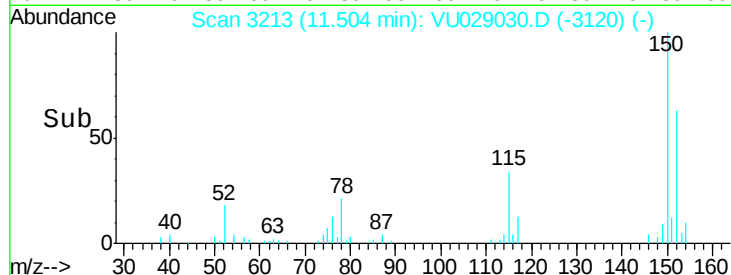
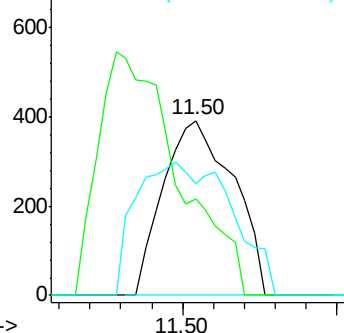
146 100

111 0.0 19.1 57.3#

148 63.8 32.6 98.0



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



#96

1,2,3-Trichlorobenzene

Concen: 1.077 ug/l

RT: 14.00 min Scan# 3988

Delta R.T. 0.01 min

Lab File: VU029030.D

Acq: 04 Jan 2019 16:16

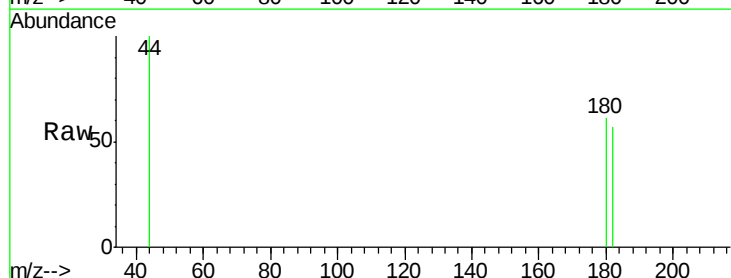
Tgt Ion:180 Resp: 496

Ion Ratio Lower Upper

180 100

182 65.3 48.1 144.3

145 0.0 14.8 44.4#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

