

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029027.D
 Acq On : 04 Jan 2019 15:04
 Operator : MD/SY
 Sample : K1056-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Jan 05 03:45:54 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	117105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	198986	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	183150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72741	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	76720	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
35) Dibromofluoromethane	4.88	113	67389	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
50) Toluene-d8	7.56	98	247467	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	10.30	95	77879	42.55	ug/l	0.00
Spiked Amount			Recovery	=	85.10%	

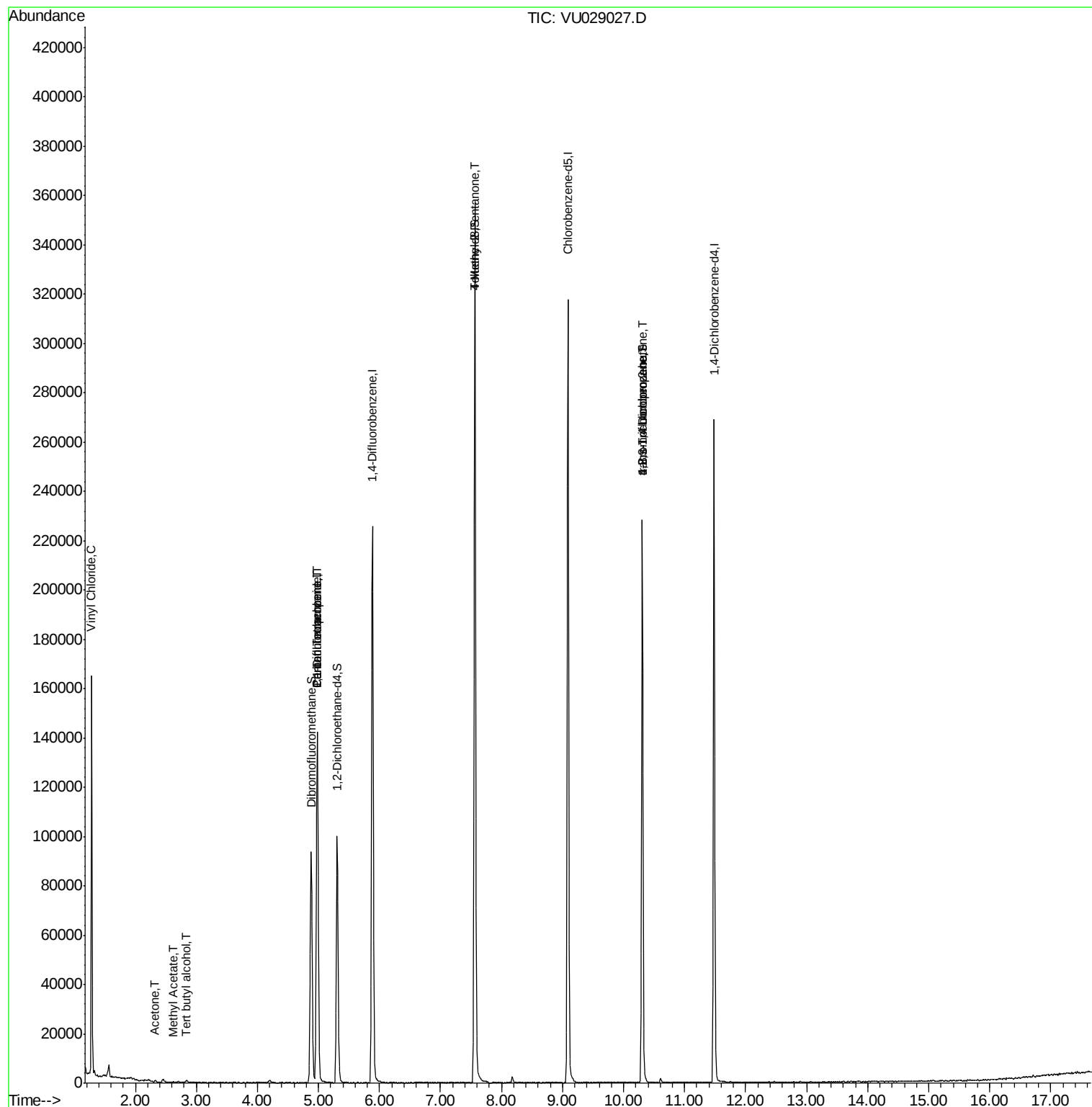
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1189	Below Cal		98
4) Vinyl Chloride	1.29	62	1368	0.799 ug/l #		42
5) Bromomethane	1.62	94	128	Below Cal		81
11) Tert butyl alcohol	2.83	59	509	1.383 ug/l #		73
16) Acetone	2.32	43	877	0.962 ug/l #		81
17) Carbon Disulfide	2.47	76	320	Below Cal #		75
18) Methyl Acetate	2.62	43	450	0.212 ug/l #		51
31) Cyclohexane	4.98	56	2011	Below Cal #		1
36) 1,1-Dichloropropene	4.98	75	8544	4.296 ug/l #		46
38) Carbon Tetrachloride	4.98	117	10262	6.186 ug/l #		16
51) 4-Methyl-2-Pentanone	7.57	43	864	0.379 ug/l #		1
76) 1,2,3-Trichloropropane	10.30	75	37213	20.880 ug/l #		36
81) trans-1,4-Dichloro-2-buten	10.30	75	37213	53.849 ug/l #		100

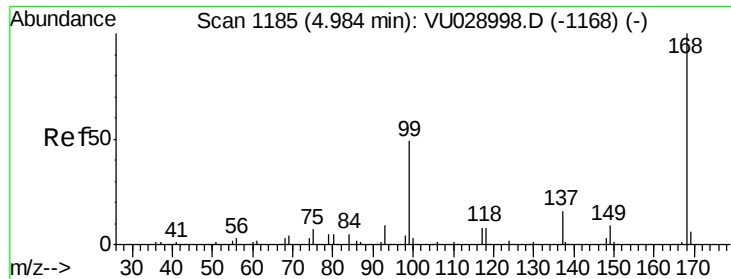
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029027.D

Acq: 04 Jan 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

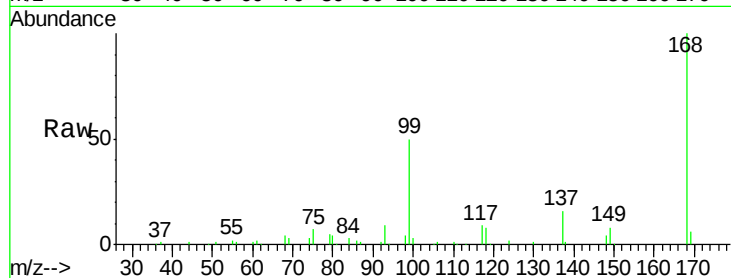
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 117105

Ion Ratio Lower Upper

168 100

99 50.4 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

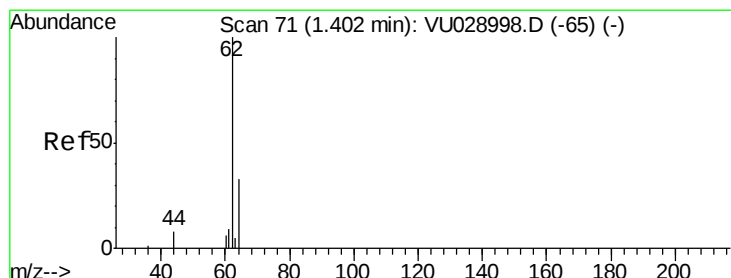
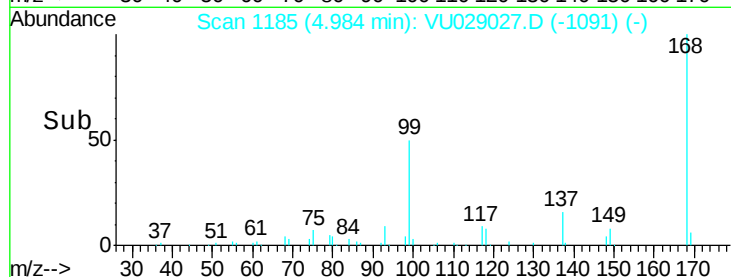
20000

10000

0

4.90 5.00 5.10

Time-->



#4

Vinyl Chloride

Concen: 0.799 ug/l

RT: 1.29 min Scan# 35

Delta R.T. -0.12 min

Lab File: VU029027.D

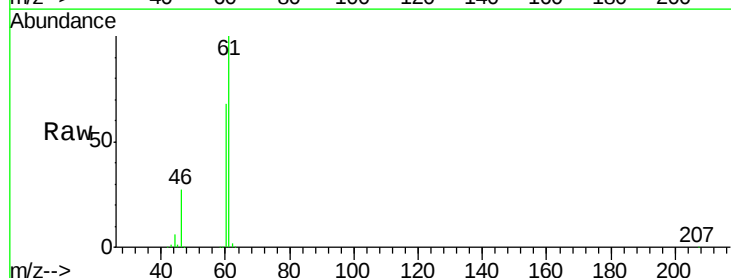
Acq: 04 Jan 2019 15:04

Tgt Ion: 62 Resp: 1368

Ion Ratio Lower Upper

62 100

64 0.0 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) (-)

1.29

1500

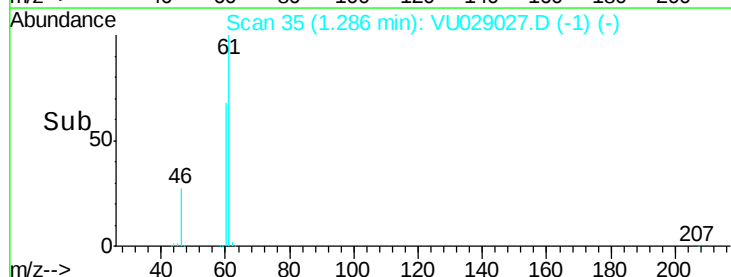
1000

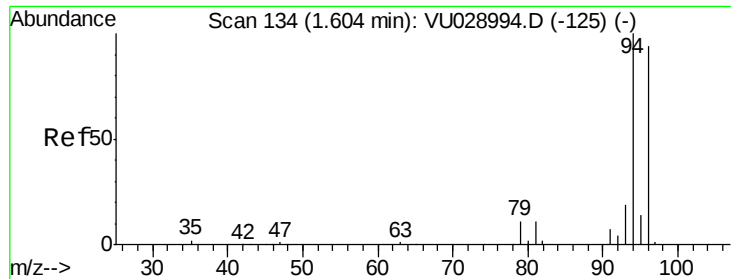
500

0

1.26 1.28 1.30

Time-->

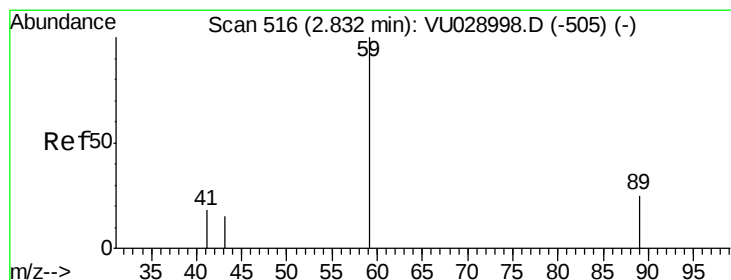
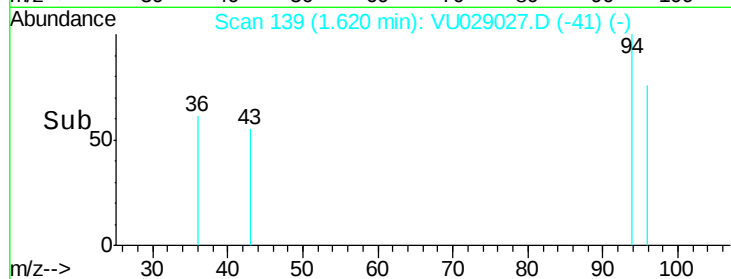
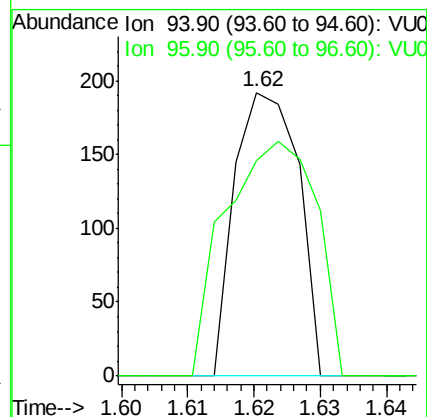
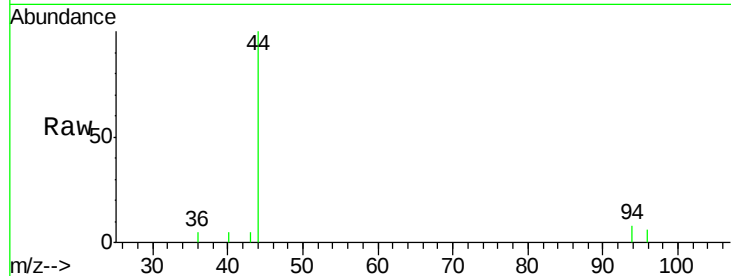




#5
Bromomethane
Concen: Below Cal
RT: 1.62 min Scan# 139
Delta R.T. 0.02 min
Lab File: VU029027.D
Acq: 04 Jan 2019 15:04

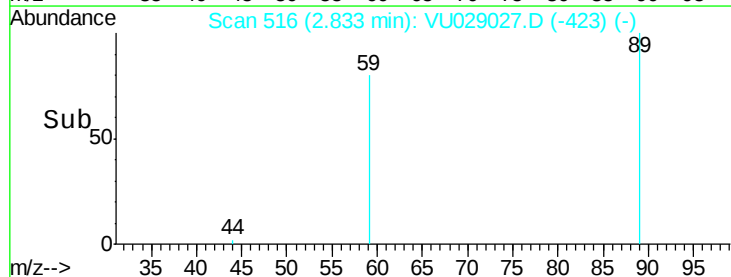
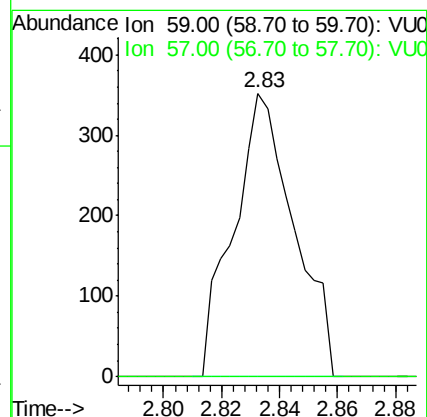
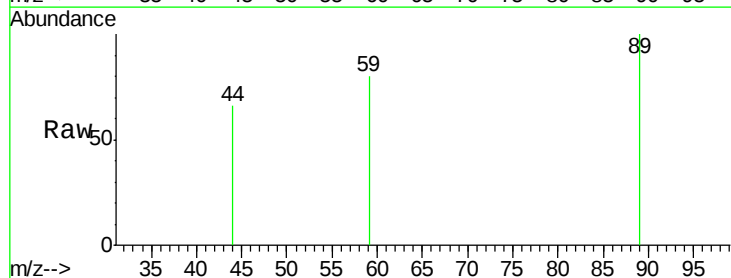
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

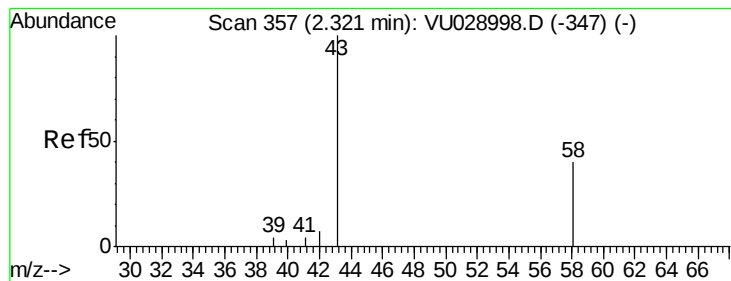
Tot Ion: 94 Resp: 128
Ion Ratio Lower Upper
94 100
96 76.0 75.5 113.3



#11
Tert butyl alcohol
Concen: 1.383 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.00 min
Lab File: VU029027.D
Acq: 04 Jan 2019 15:04

Tgt Ion: 59 Resp: 509
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#16

Acetone

Concen: 0.962 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029027.D

Acq: 04 Jan 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

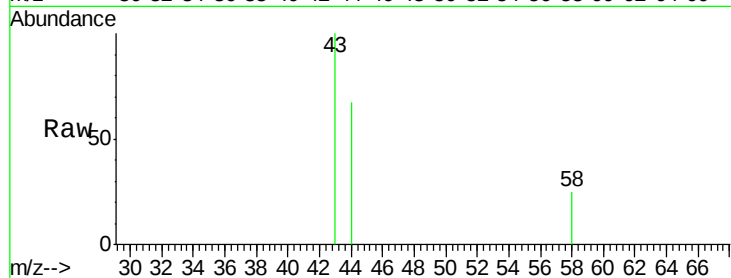
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 877

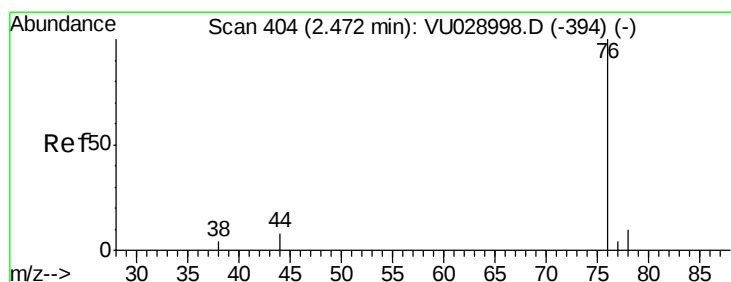
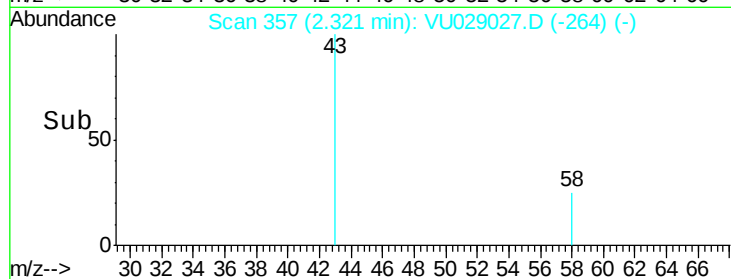
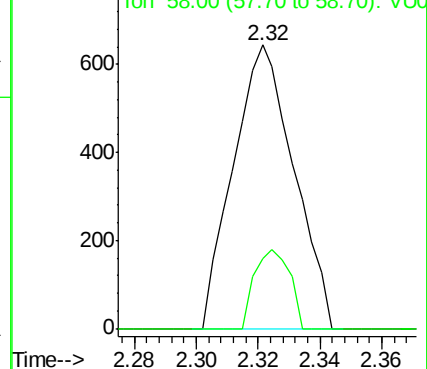
Ion Ratio Lower Upper

43 100

58 24.7 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VU029027.D (-264) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029027.D

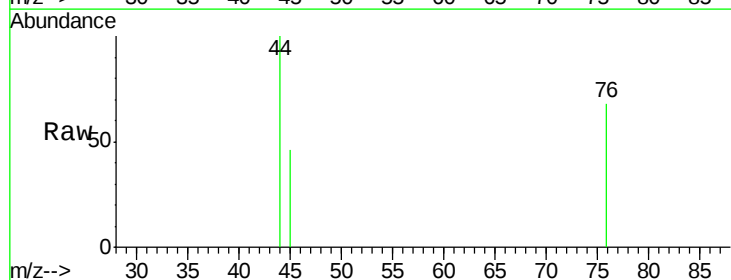
Acq: 04 Jan 2019 15:04

Tgt Ion: 76 Resp: 320

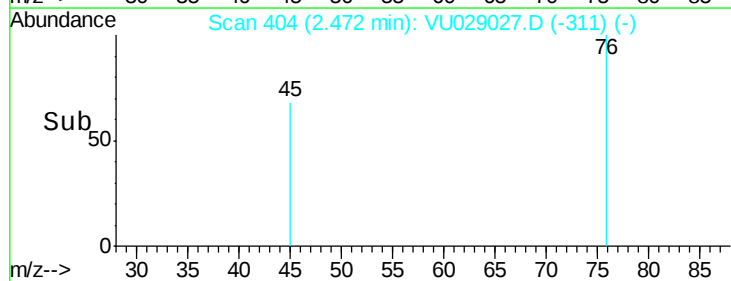
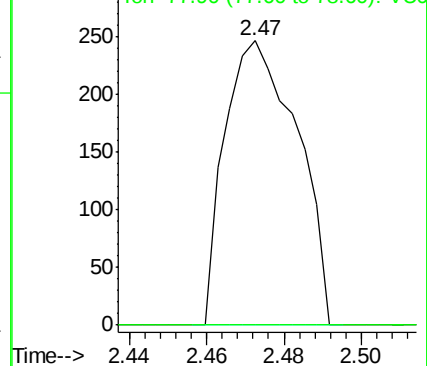
Ion Ratio Lower Upper

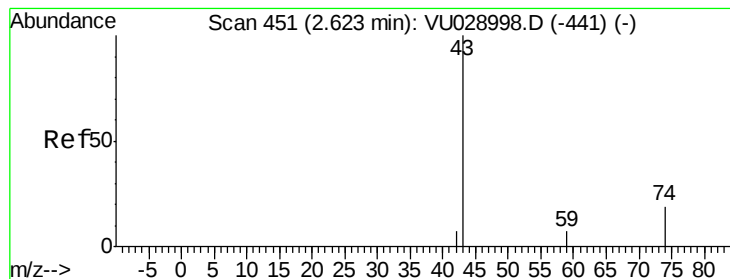
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU029027.D (-311) (-)





#18

Methyl Acetate

Concen: 0.212 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU029027.D

Acq: 04 Jan 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

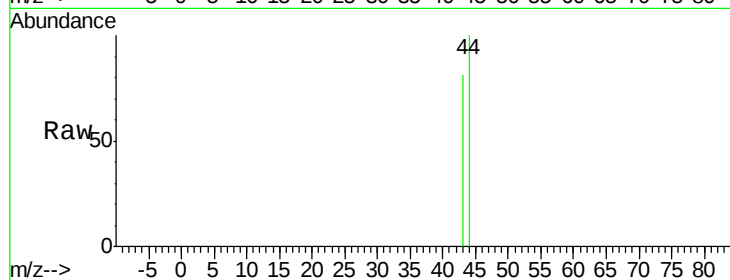
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 450

Ion Ratio Lower Upper

43 100

74 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

250

200

150

100

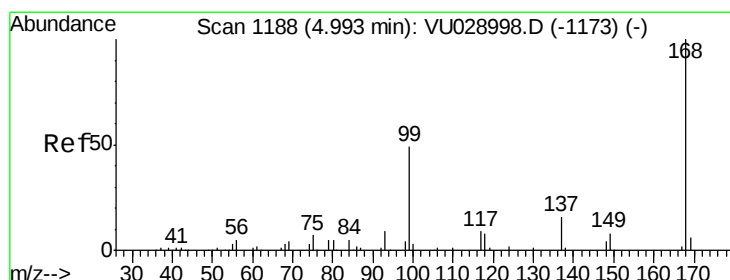
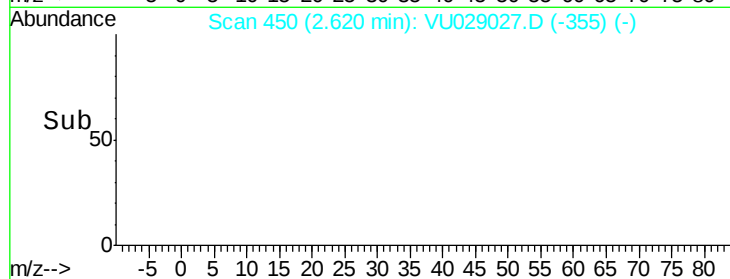
50

0

2.60

2.65

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VU029027.D

Acq: 04 Jan 2019 15:04

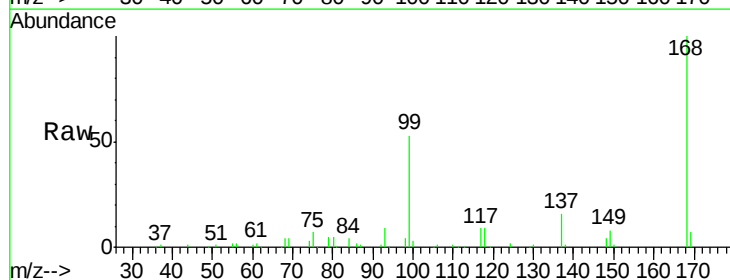
Tgt Ion: 56 Resp: 2011

Ion Ratio Lower Upper

56 100

69 193.2 26.7 40.1#

84 194.8 65.7 98.5#



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

2000

1500

1000

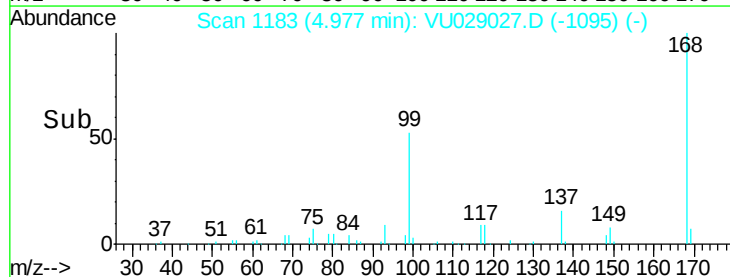
500

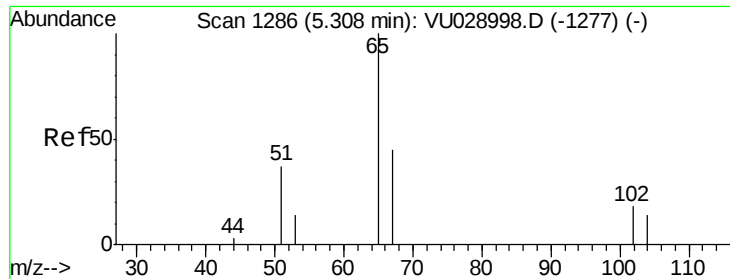
0

4.95

5.00

Time-->

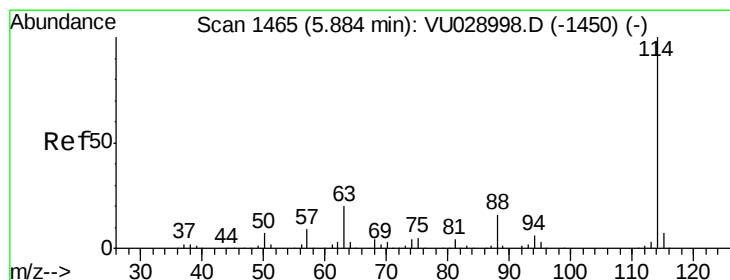
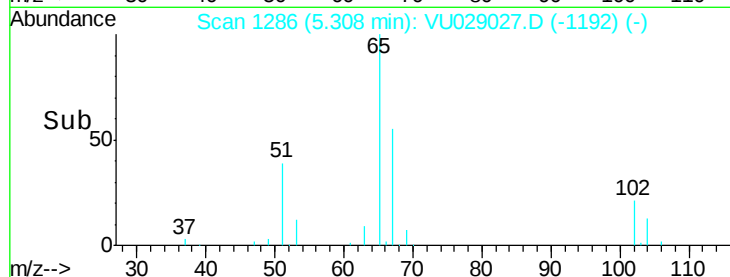
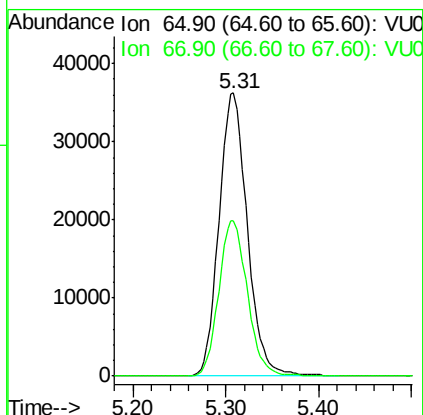
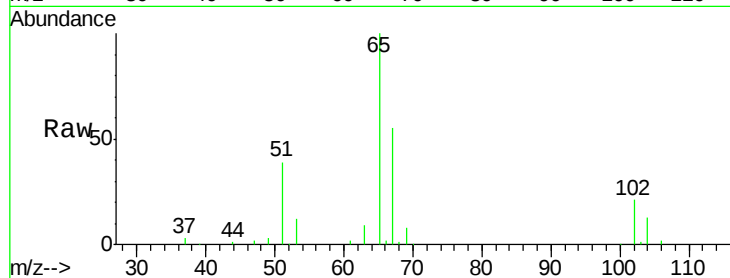




#33
 1,2-Dichloroethane-d4
 Concen: 52.996 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029027.D
 Acq: 04 Jan 2019 15:04

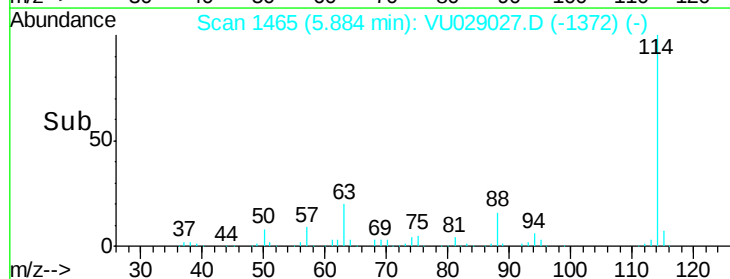
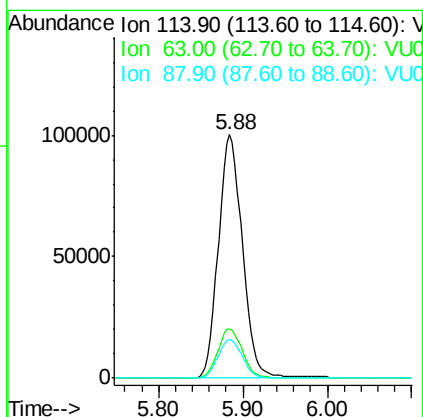
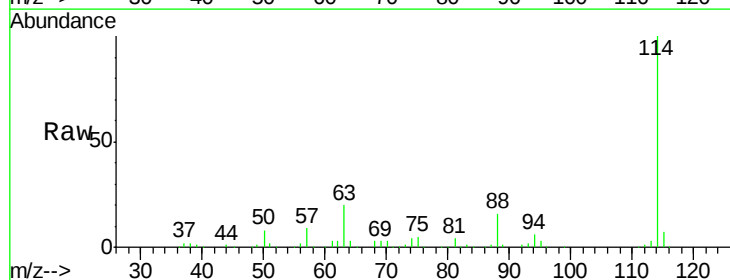
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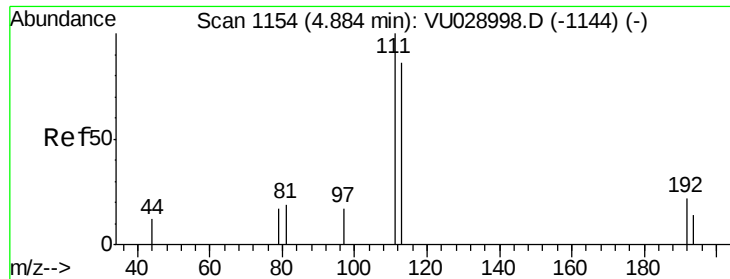
Tot Ion: 65 Resp: 76720
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029027.D
 Acq: 04 Jan 2019 15:04

Tgt Ion: 114 Resp: 198986
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.2
 88 15.7 0.0 30.4

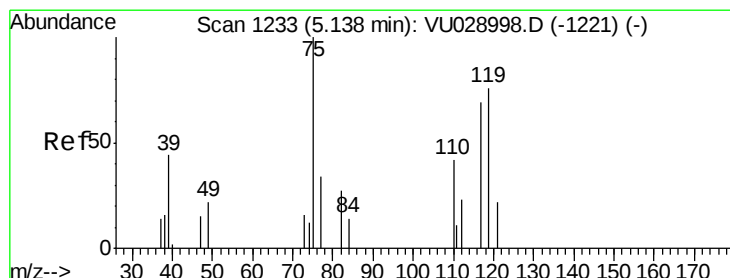
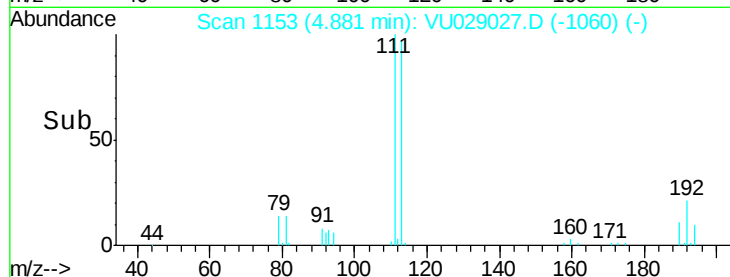
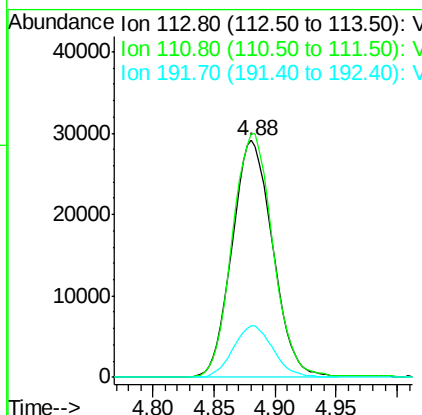
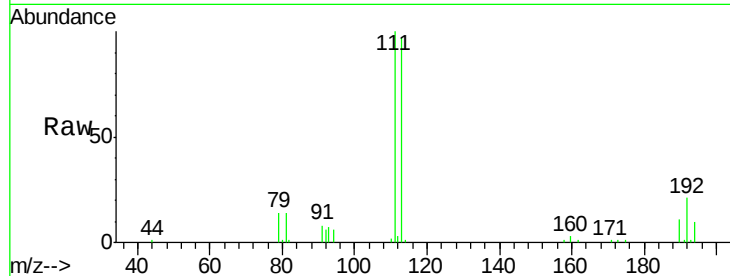




#35
 Dibromofluoromethane
 Concen: 52.244 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029027.D
 Acq: 04 Jan 2019 15:04

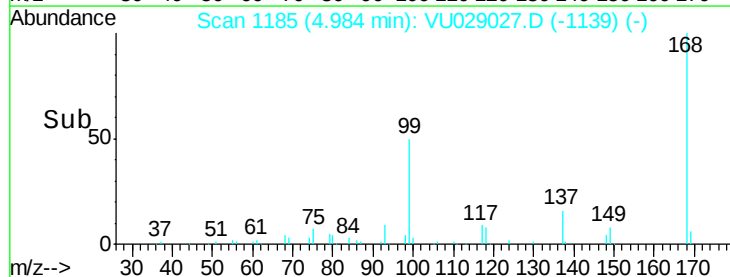
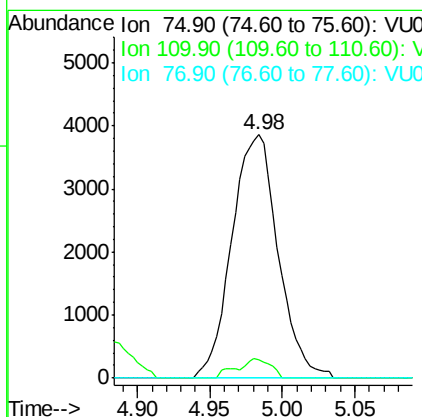
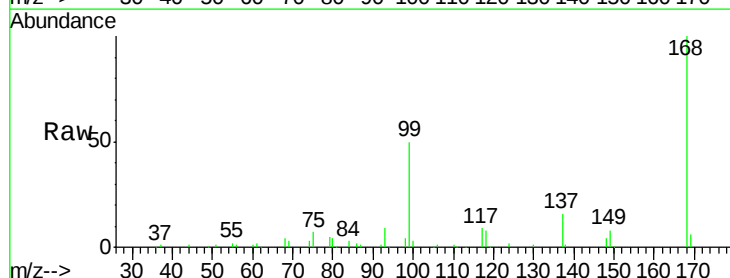
Instrument :
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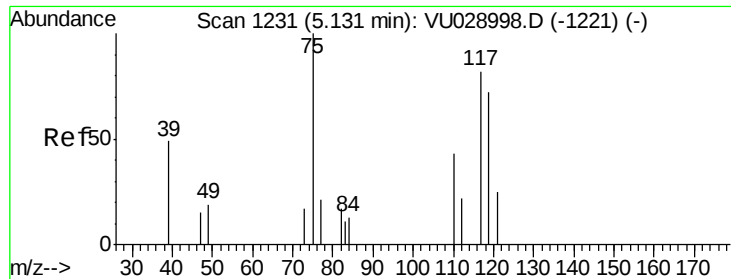
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.2
192	21.3	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.296 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU029027.D
 Acq: 04 Jan 2019 15:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.8	18.4	55.4#
77	0.0	25.1	37.7#

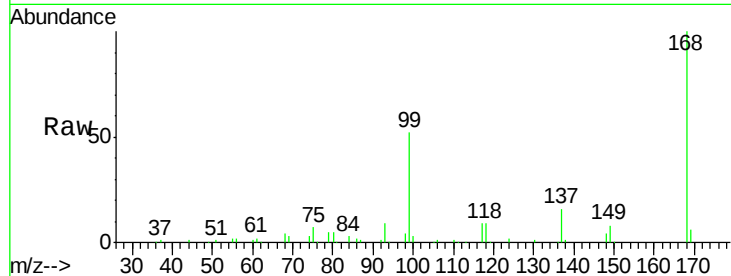




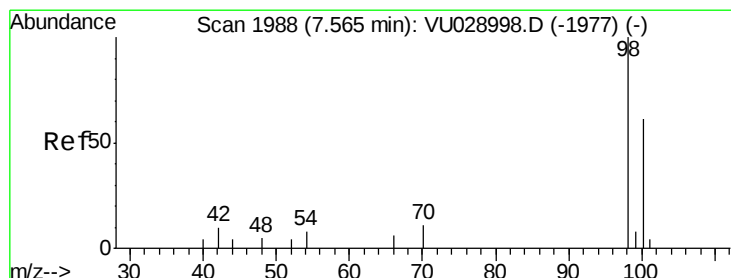
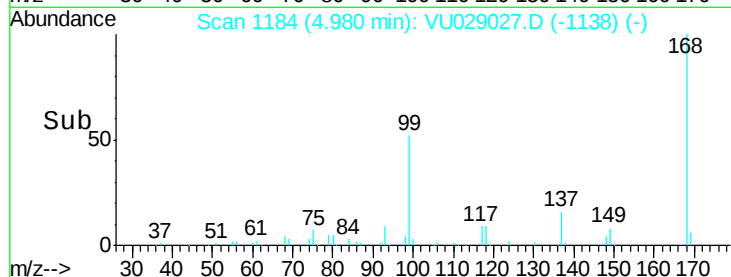
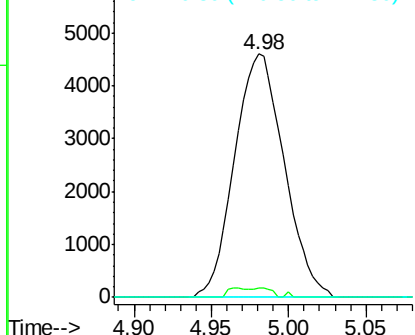
#38
Carbon Tetrachloride
Concen: 6.186 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.15 min
Lab File: VU029027.D
Acq: 04 Jan 2019 15:04

Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion:117 Resp: 10262
Ion Ratio Lower Upper
117 100
119 3.9 74.6 111.8#
121 0.0 25.0 37.6#

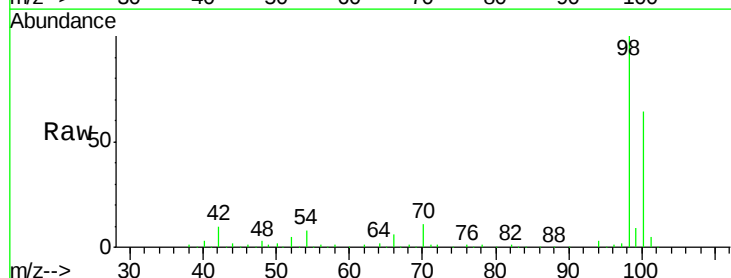


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

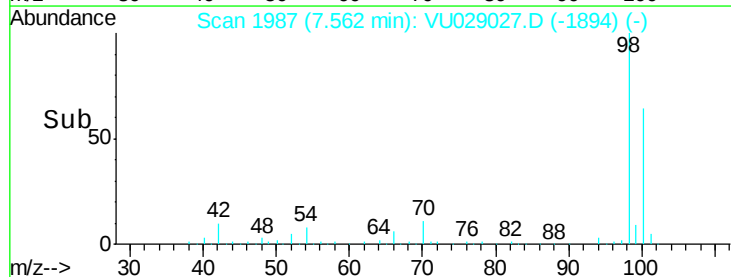
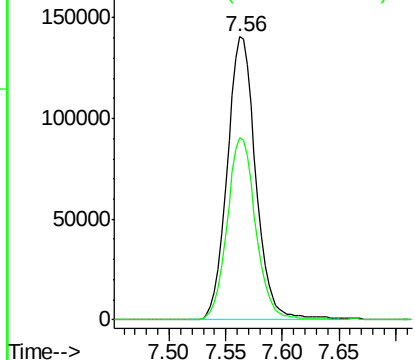


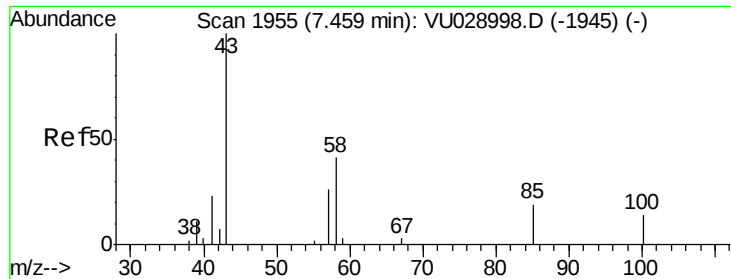
#50
Toluene-d8
Concen: 48.596 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029027.D
Acq: 04 Jan 2019 15:04

Tgt Ion: 98 Resp: 247467
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 0.379 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU029027.D

Acq: 04 Jan 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

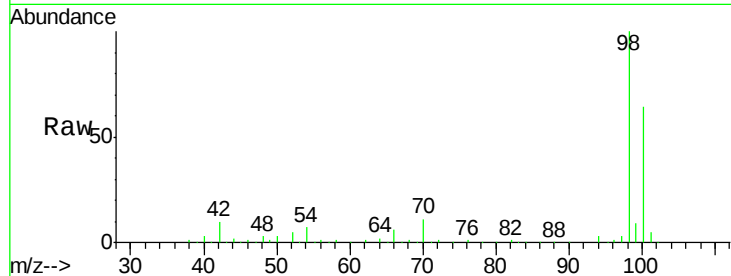
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 864

Ion Ratio Lower Upper

43 100

58 219.1 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

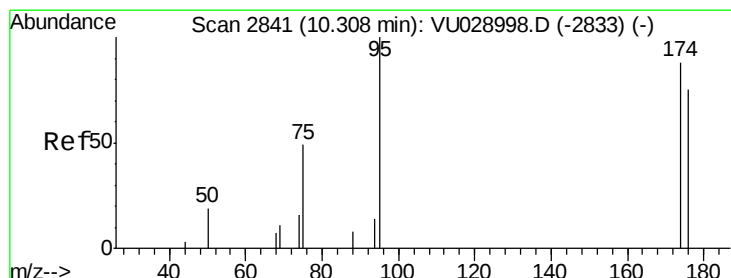
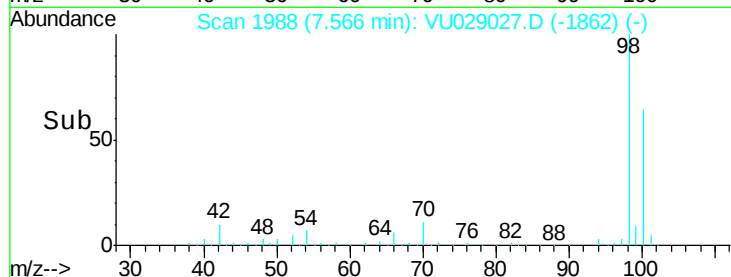
Ion 58.00 (57.70 to 58.70): VU0

1000

500

7.57

Time-->



#62

4-Bromofluorobenzene

Concen: 42.555 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029027.D

Acq: 04 Jan 2019 15:04

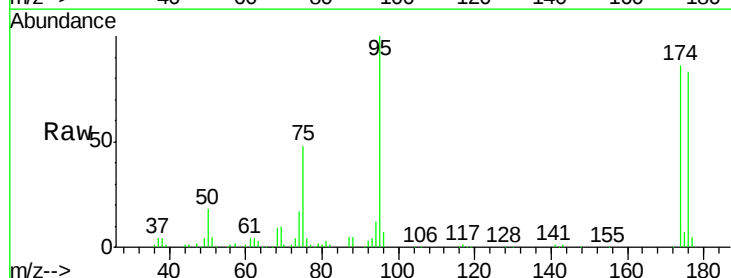
Tgt Ion: 95 Resp: 77879

Ion Ratio Lower Upper

95 100

174 86.2 0.0 170.6

176 83.0 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

60000

50000

40000

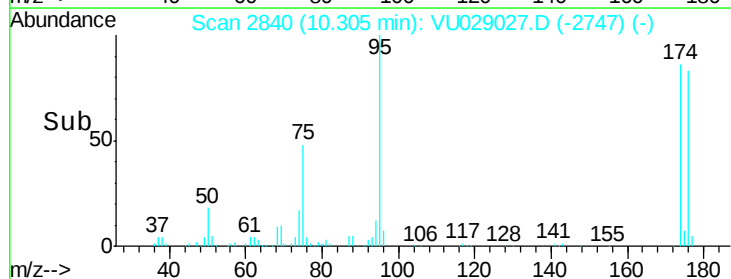
30000

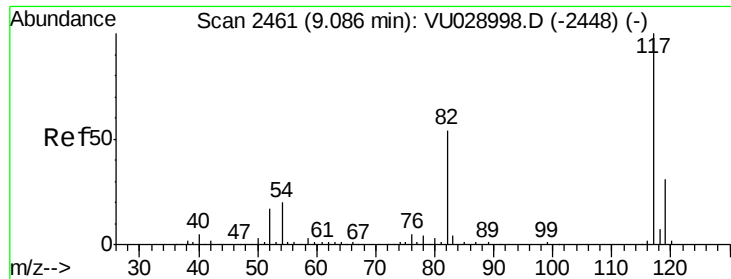
20000

10000

10.30

Time-->

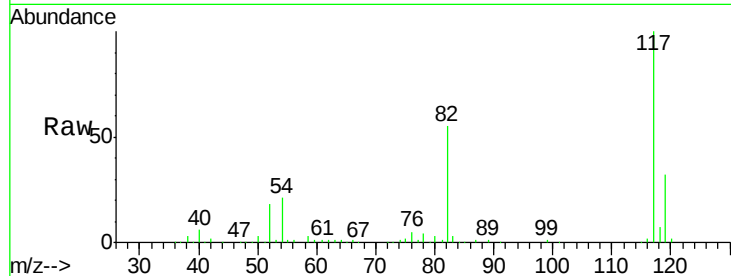




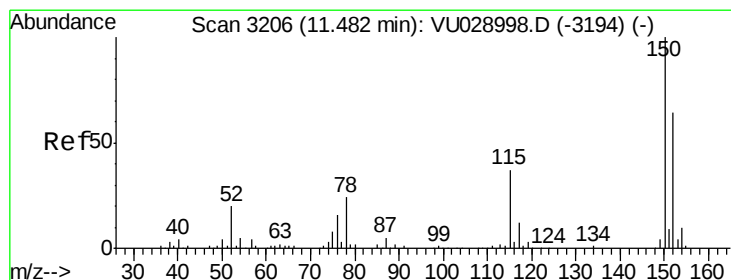
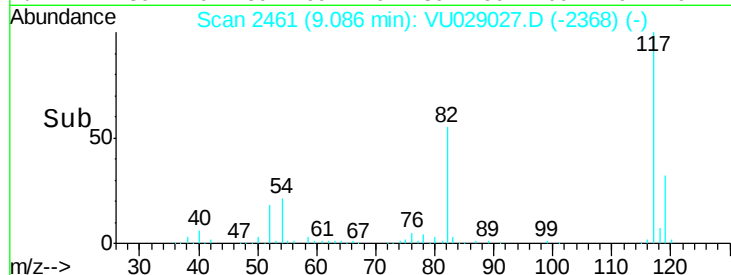
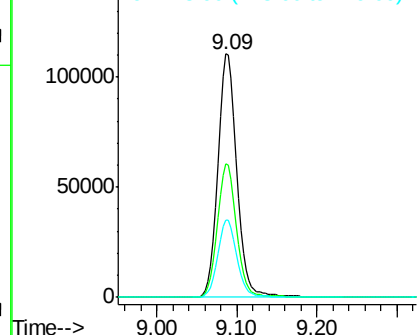
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029027.D
Acq: 04 Jan 2019 15:04

Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion:117 Resp: 183150
Ion Ratio Lower Upper
117 100
82 54.9 43.9 65.9
119 31.9 26.0 39.0

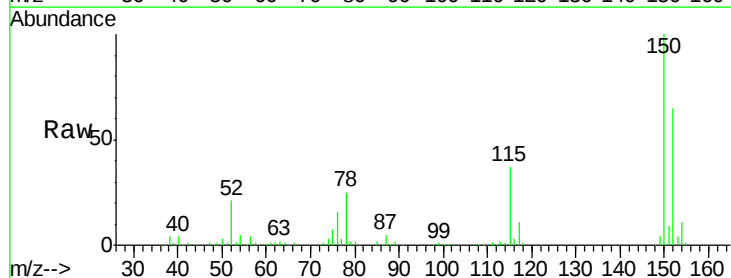


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

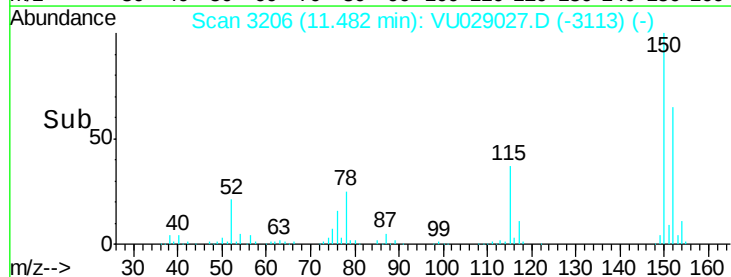
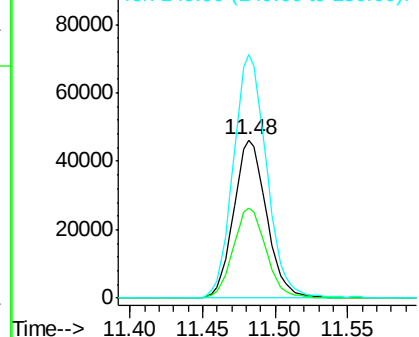


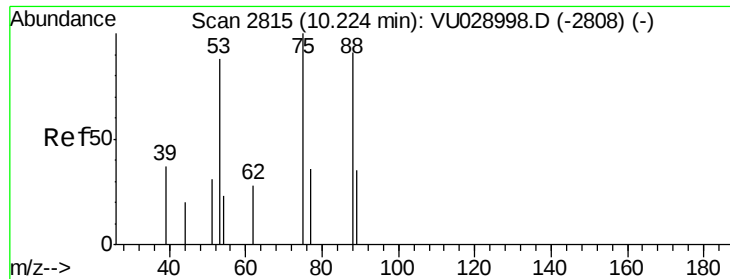
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029027.D
Acq: 04 Jan 2019 15:04

Tgt Ion:152 Resp: 72741
Ion Ratio Lower Upper
152 100
115 56.9 40.1 120.3
150 155.8 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: 20.880 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029027.D

Acq: 04 Jan 2019 15:04

Instrument :

MSVOA_U

ClientSampleId :

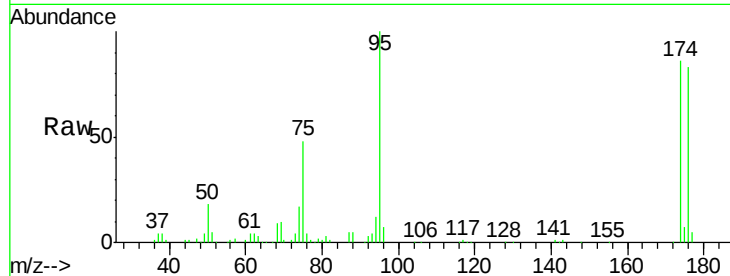
STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 37213

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.30

25000

20000

15000

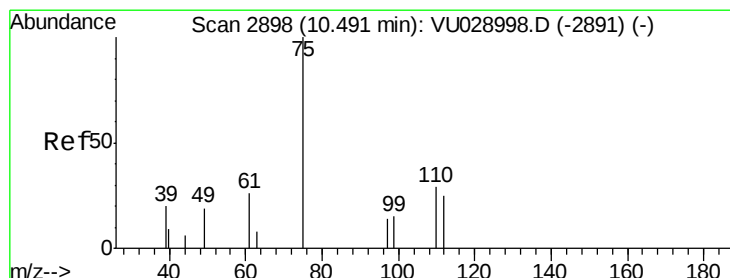
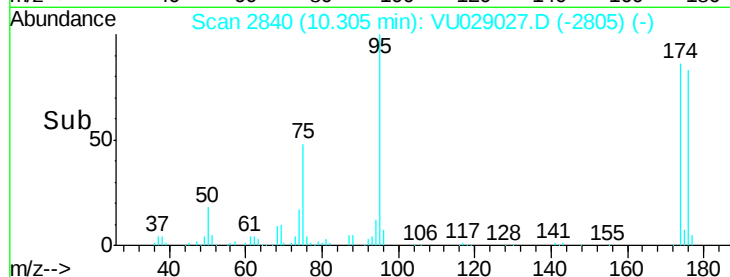
10000

5000

0

Time-->

10.25 10.30 10.35 10.40



#81

trans-1,4-Dichloro-2-butene

Concen: 53.849 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029027.D

Acq: 04 Jan 2019 15:04

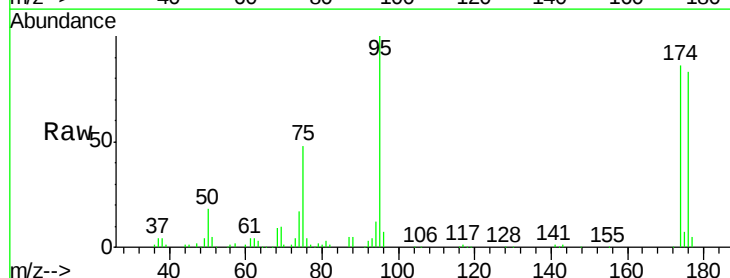
Tgt Ion: 75 Resp: 37213

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

10.30

30000

25000

20000

15000

10000

5000

0

Time-->

10.25 10.30 10.35 10.40

