

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100118\
 Data File : VU027331.D
 Acq On : 01 Oct 2018 20:19
 Operator : MD/SY
 Sample : J5137-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RAV-GT-103-PREFILTER-9-26-18

Quant Time: Oct 02 07:25:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	96383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	163028	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	154581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	73057	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	96126	59.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.46%	
35) Dibromofluoromethane	4.88	113	68051	60.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.82%	
50) Toluene-d8	7.57	98	248740	59.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.96%	
62) 4-Bromofluorobenzene	10.31	95	86182	55.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.92%	

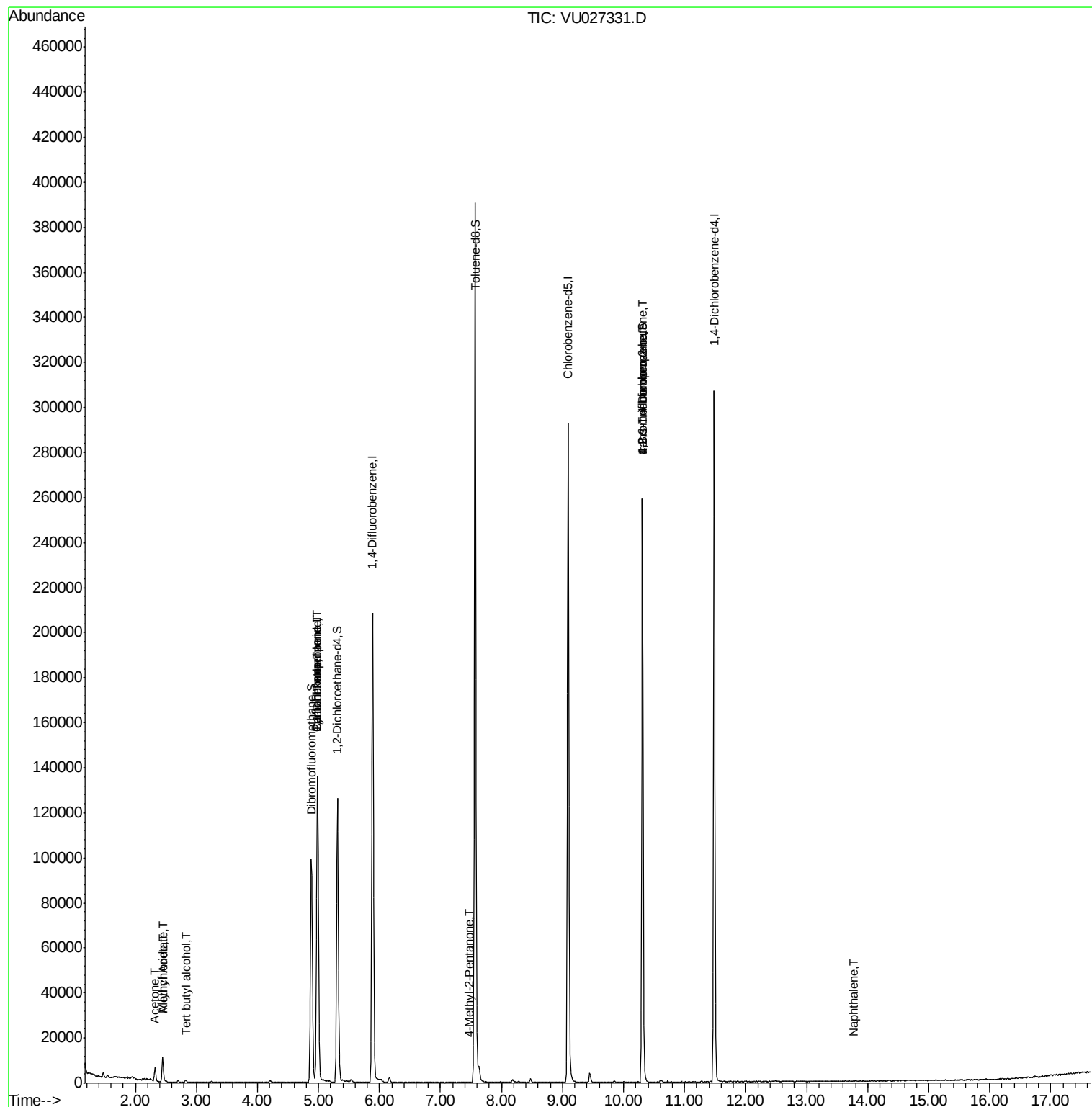
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	1060	3.128	ug/l #	72
14) Allyl chloride	2.45	41	1157	0.479	ug/l #	79
16) Acetone	2.32	43	6742	7.091	ug/l	94
18) Methyl Acetate	2.45	43	2760	1.272	ug/l #	56
31) Cyclohexane	4.98	56	2569	0.761	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8927	5.043	ug/l #	50
38) Carbon Tetrachloride	4.98	117	9932	6.212	ug/l #	18
51) 4-Methyl-2-Pentanone	7.47	43	509	0.220	ug/l #	38
76) 1,2,3-Trichloropropane	10.31	75	45457	24.003	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	45457	62.818	ug/l #	100
95) Naphthalene	13.76	128	40	1.667	ug/l #	69

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

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RAV-GT-103-PREFILTER-9-26-18

Quant Time: Oct 02 07:25:20 2018
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027331.D

Acq: 01 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

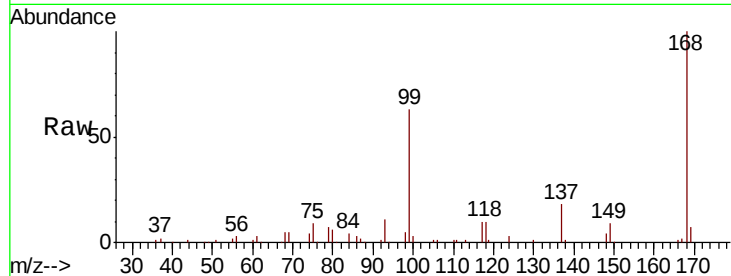
RAV-GT-103-PREFILTER-9-26-18

Tot Ion:168 Resp: 96383

Ion Ratio Lower Upper

168 100

99 63.4 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027331.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027331.D (-1169) (-)

4.99

40000

30000

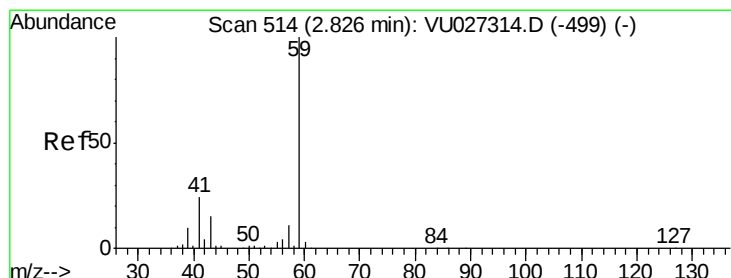
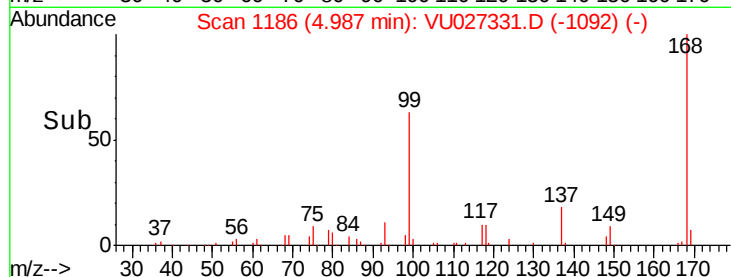
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 3.128 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU027331.D

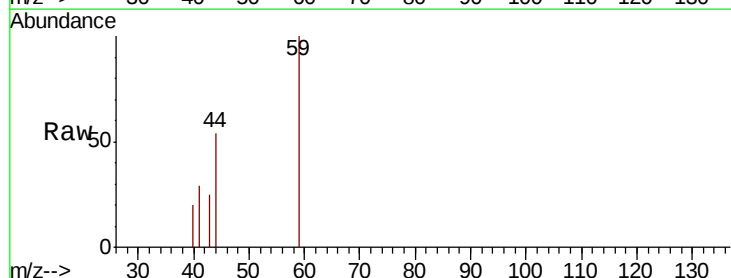
Acq: 01 Oct 2018 20:19

Tgt Ion: 59 Resp: 1060

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027331.D (-421) (-)

Ion 57.00 (56.70 to 57.70): VU027331.D (-421) (-)

2.83

600

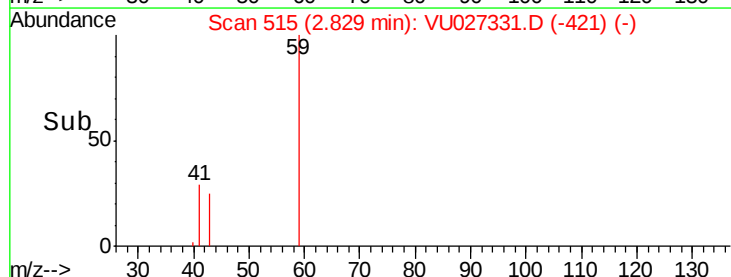
400

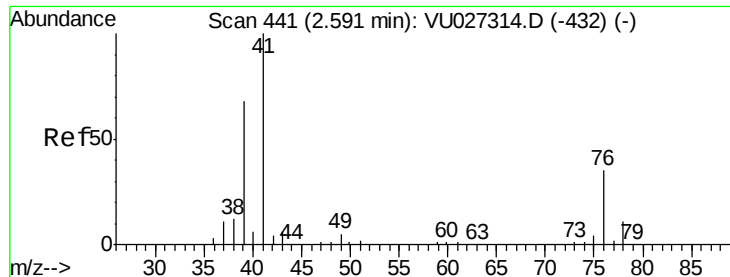
200

0

2.80 2.85

Time-->





#14

Allvl chloride

Concen: 0.479 ug/l

RT: 2.45 min Scan# 397

Delta R.T. -0.14 min

Lab File: VU027331.D

Acq: 01 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

RAV-GT-103-PREFILTER-9-26-18

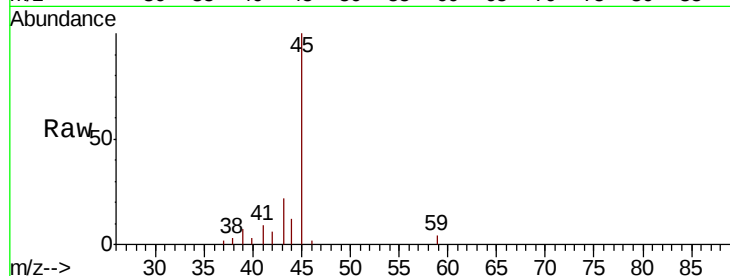
Tot Ion: 41 Resp: 1157

Ion Ratio Lower Upper

41 100

39 67.2 51.8 77.8

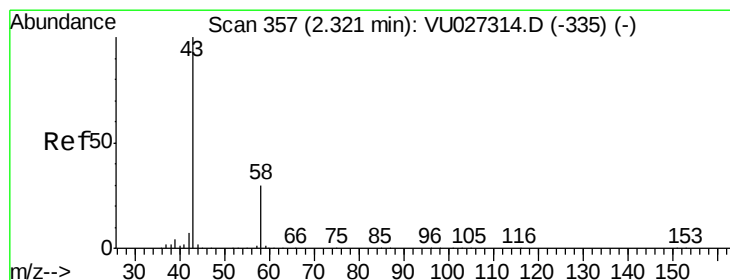
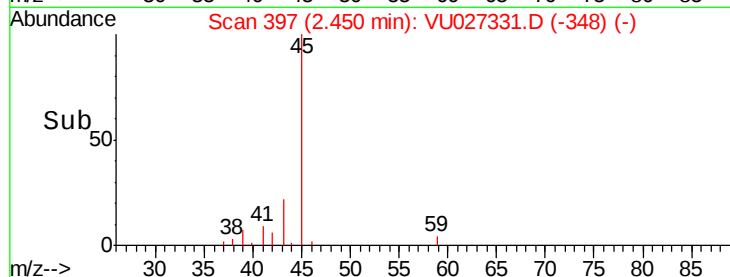
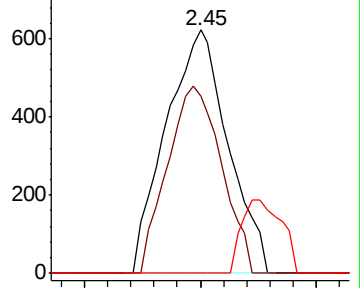
76 0.0 25.9 38.9#



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: 7.091 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027331.D

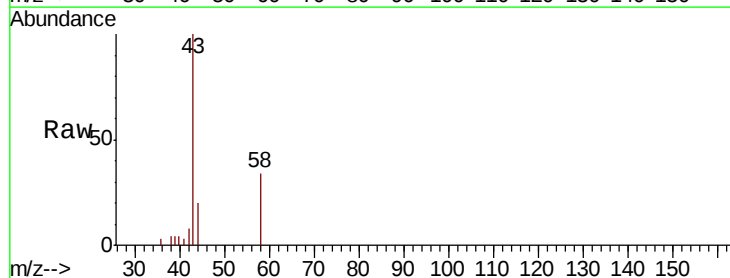
Acq: 01 Oct 2018 20:19

Tgt Ion: 43 Resp: 6742

Ion Ratio Lower Upper

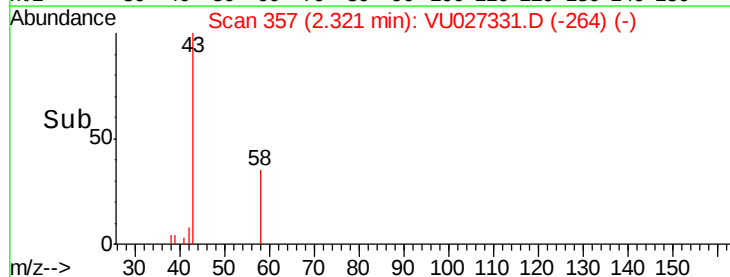
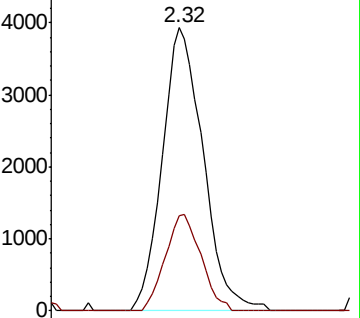
43 100

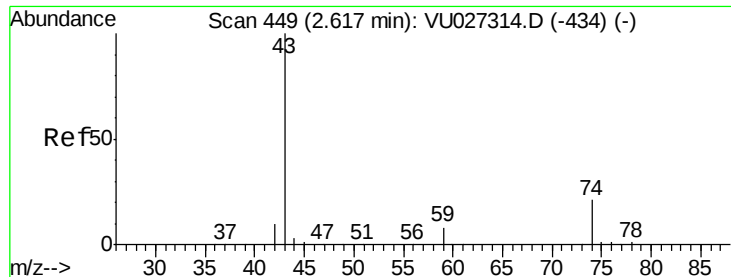
58 33.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

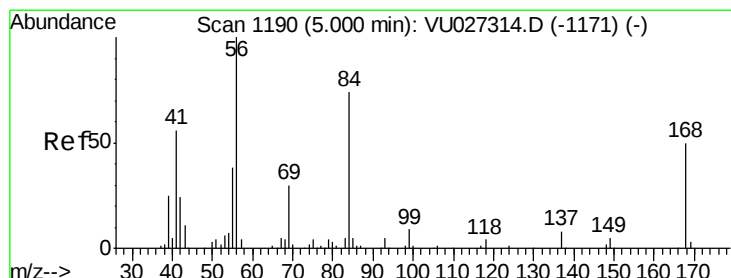
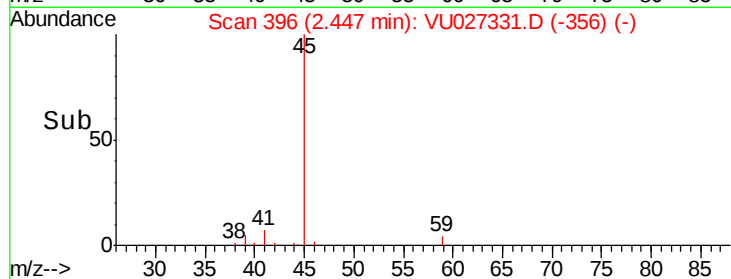
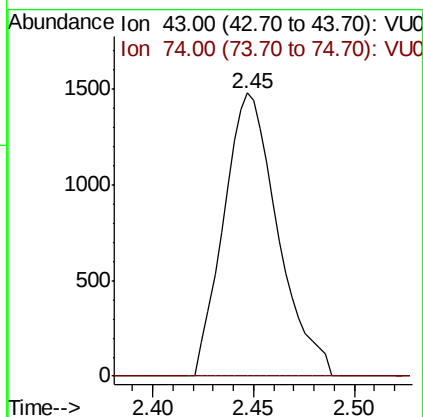
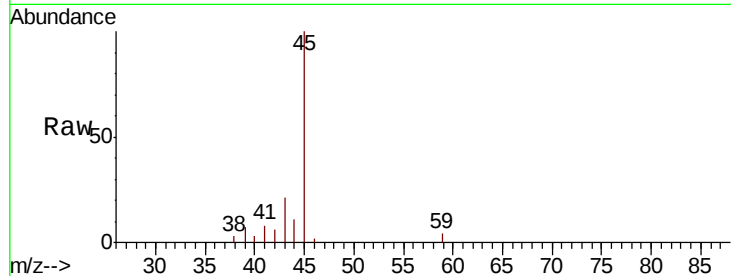




#18
Methyl Acetate
Concen: 1.272 ug/l
RT: 2.45 min Scan# 396
Delta R.T. -0.17 min
Lab File: VU027331.D
Acq: 01 Oct 2018 20:19

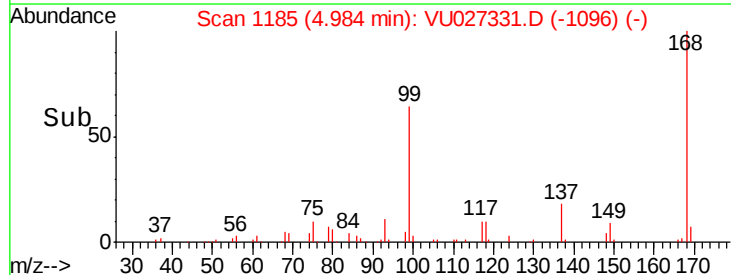
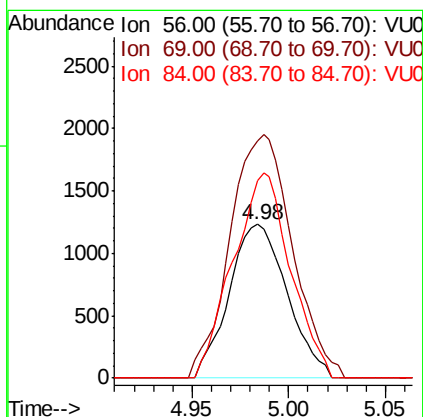
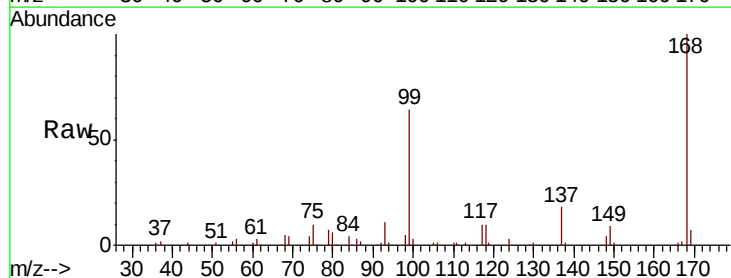
Instrument :
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RAV-GT-103-PREFILTER-9-26-18

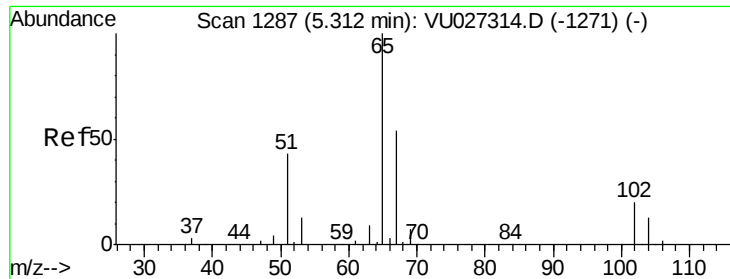
Tot Ion: 43 Resp: 2760
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#31
Cyclohexane
Concen: 0.761 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027331.D
Acq: 01 Oct 2018 20:19

Tgt Ion: 56 Resp: 2569
Ion Ratio Lower Upper
56 100
69 154.1 24.1 36.1#
84 128.3 59.1 88.7#

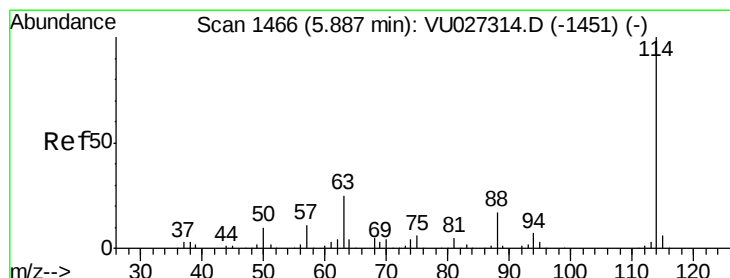
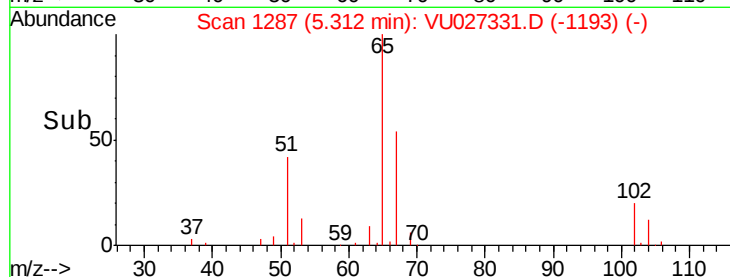
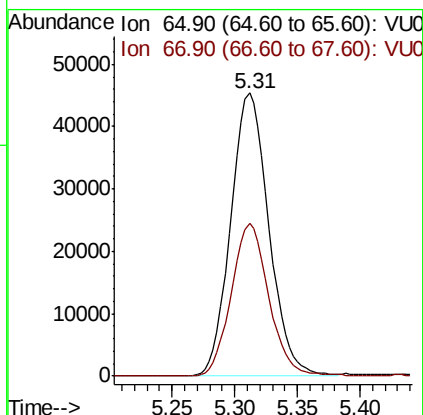
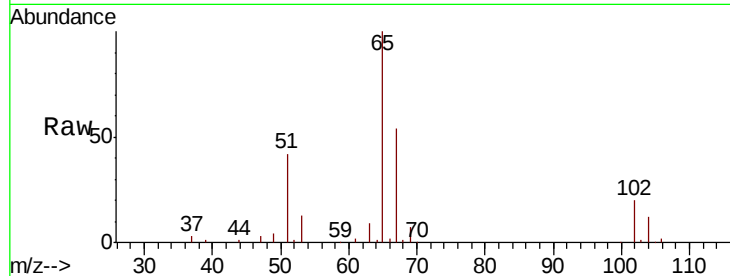




#33
 1,2-Dichloroethane-d4
 Concen: 59.727 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027331.D
 Acq: 01 Oct 2018 20:19

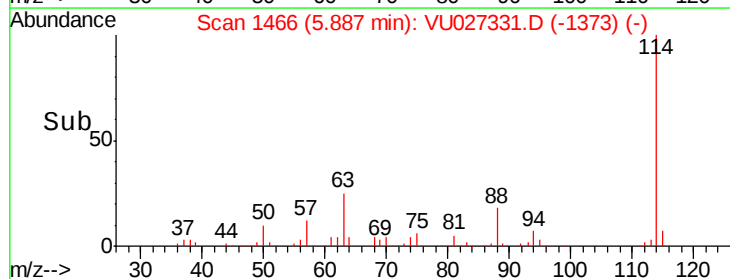
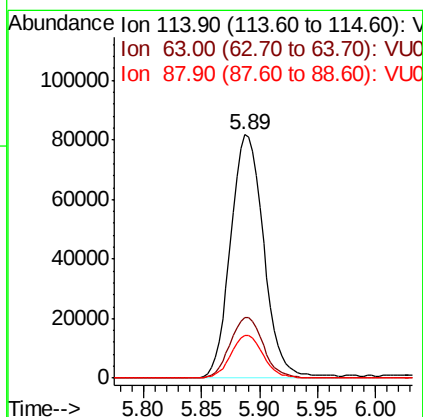
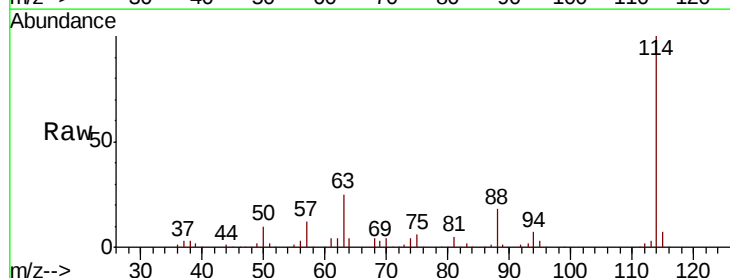
Instrument :
 MSVOA_U
 ClientSampleId :
 RAV-GT-103-PREFILTER-9-26-18

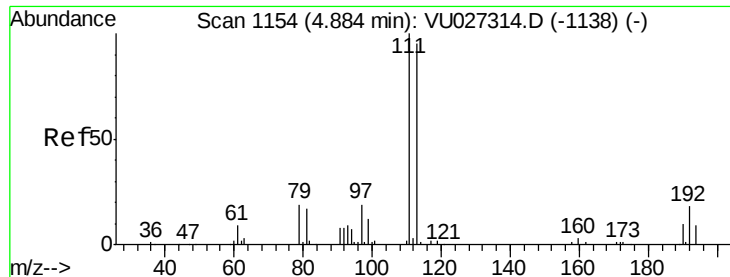
Tot Ion: 65 Resp: 96126
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027331.D
 Acq: 01 Oct 2018 20:19

Tgt Ion: 114 Resp: 163028
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 50.2
 88 17.6 0.0 33.8

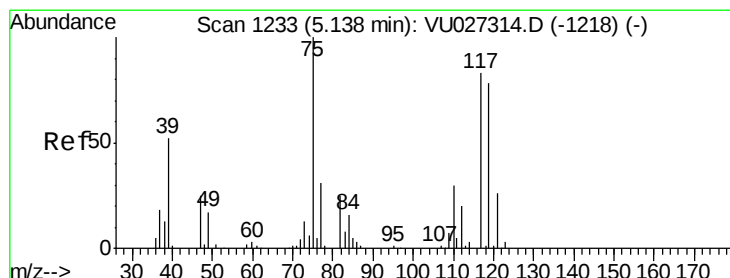
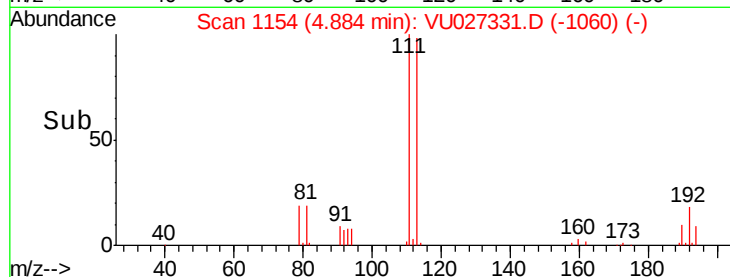
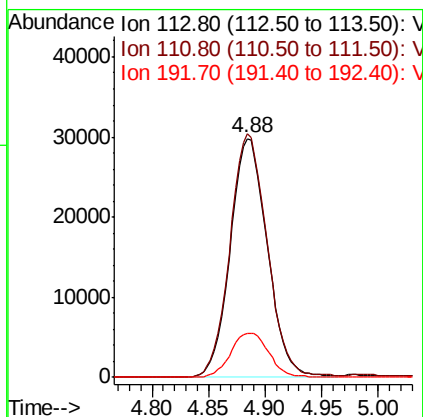
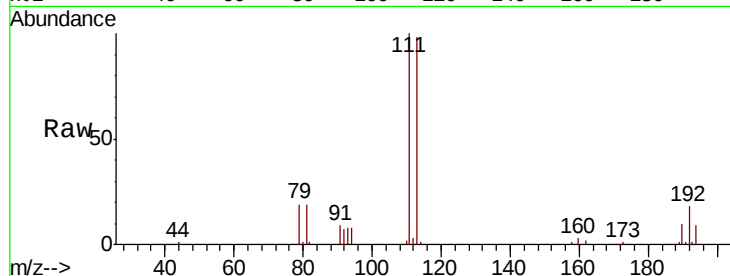




#35
 Dibromofluoromethane
 Concen: 60.908 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027331.D
 Acq: 01 Oct 2018 20:19

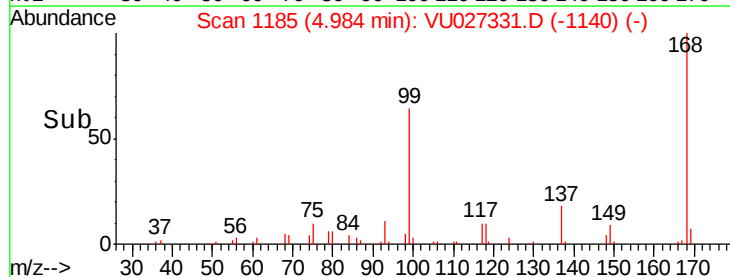
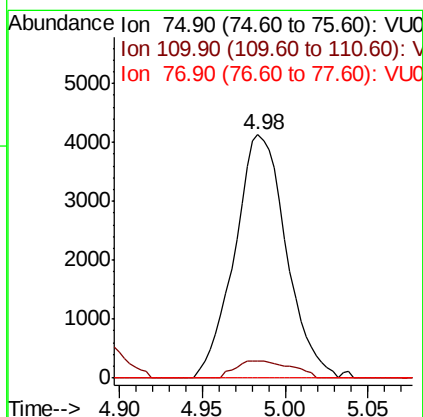
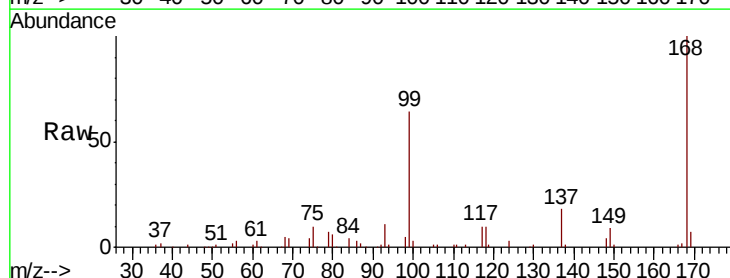
Instrument :
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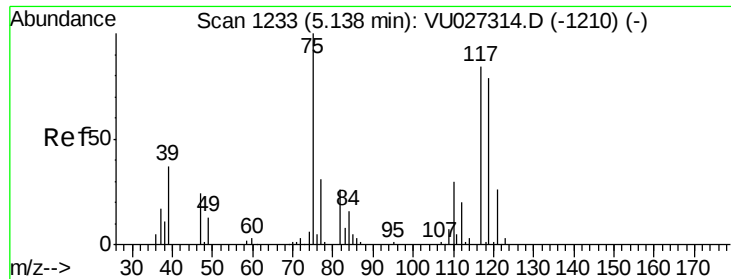
Tot Ion:113 Resp: 68051
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.1 124.7
 192 19.0 15.4 23.0



#36
 1,1-Dichloropropene
 Concen: 5.043 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027331.D
 Acq: 01 Oct 2018 20:19

Tgt Ion: 75 Resp: 8927
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.5 46.5#
 77 0.0 25.4 38.0#

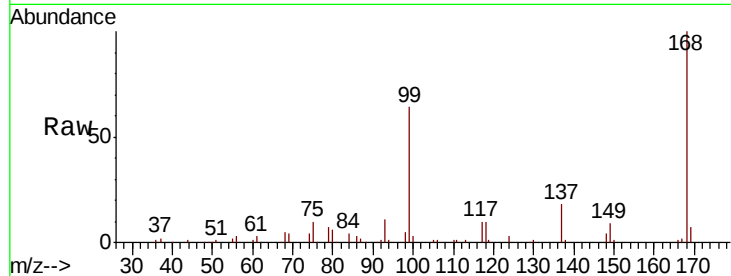




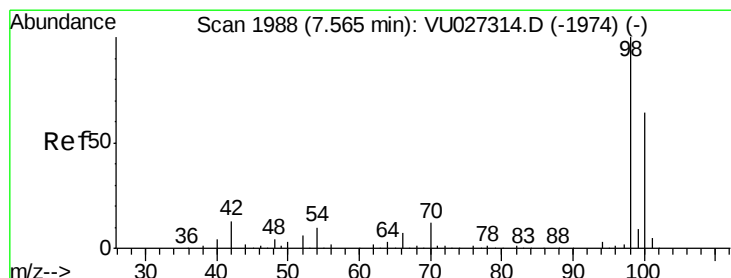
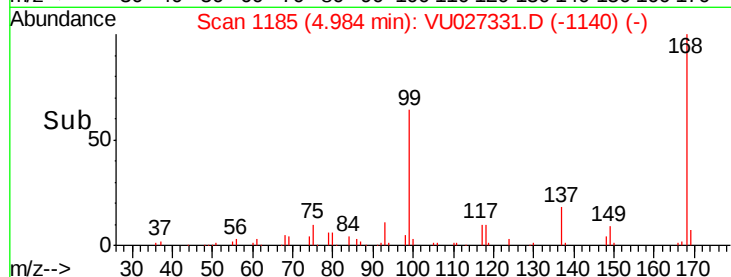
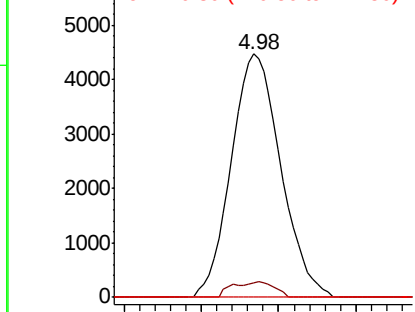
#38
Carbon Tetrachloride
Concen: 6.212 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU027331.D
Acq: 01 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
RAV-GT-103-PREFILTER-9-26-18

Tot Ion:117 Resp: 9932
Ion Ratio Lower Upper
117 100
119 6.1 74.5 111.7#
121 0.0 24.6 37.0#

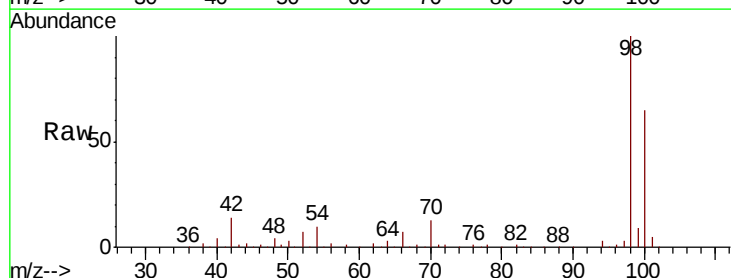


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

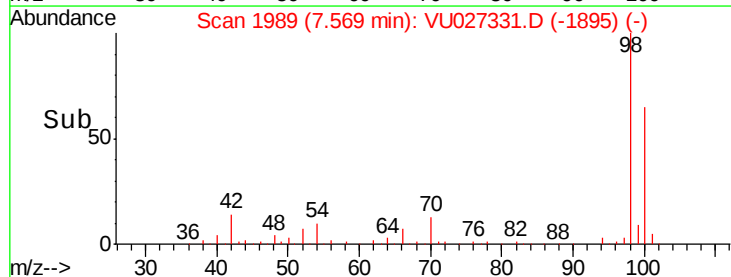
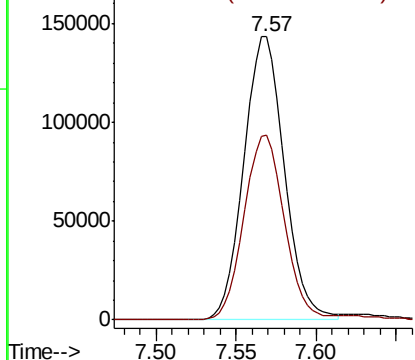


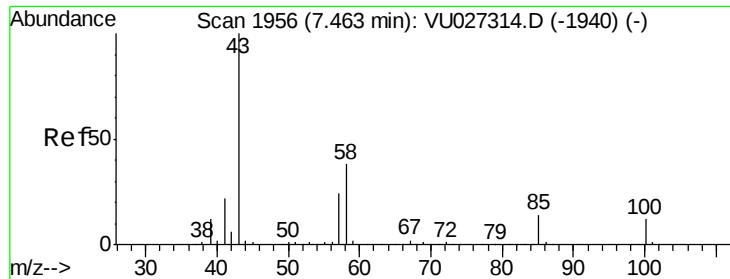
#50
Toluene-d8
Concen: 59.484 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027331.D
Acq: 01 Oct 2018 20:19

Tgt Ion: 98 Resp: 248740
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 0.220 ug/l

RT: 7.47 min Scan# 1959

Delta R.T. 0.01 min

Lab File: VU027331.D

Acq: 01 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

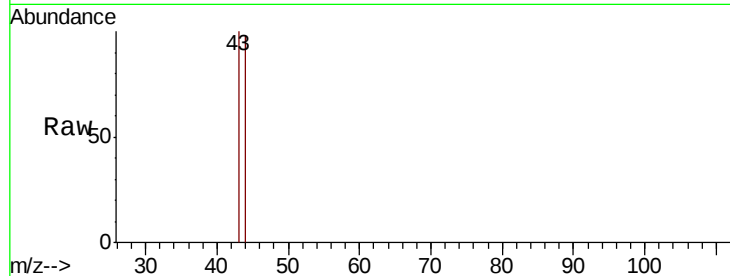
RAV-GT-103-PREFILTER-9-26-18

Tot Ion: 43 Resp: 509

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.47

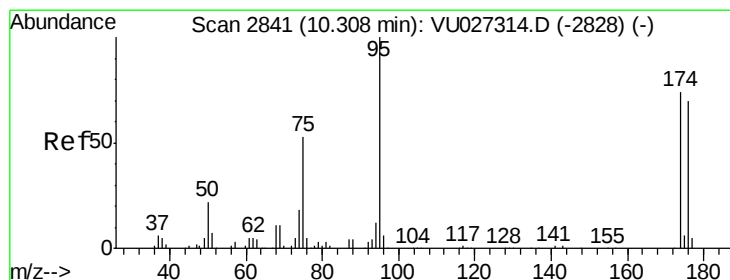
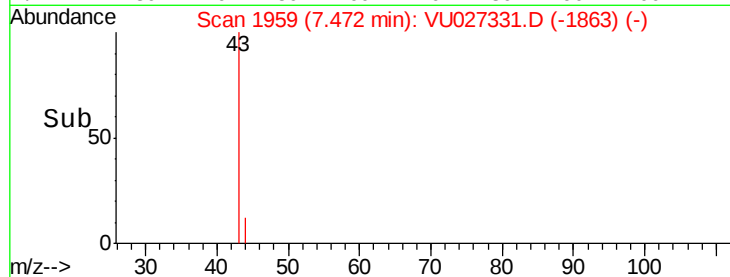
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.456 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027331.D

Acq: 01 Oct 2018 20:19

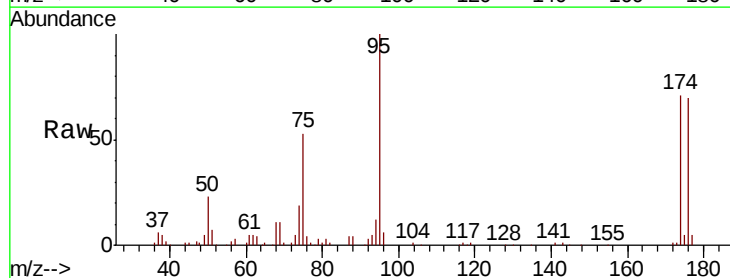
Tgt Ion: 95 Resp: 86182

Ion Ratio Lower Upper

95 100

174 73.3 0.0 147.8

176 70.3 0.0 140.8



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

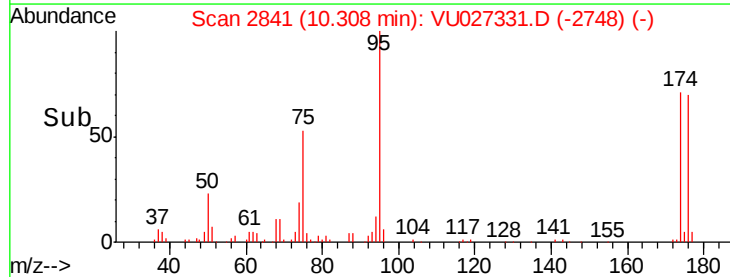
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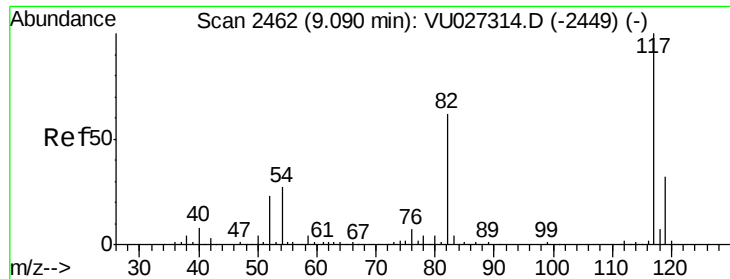
40000

20000

0

Time-->

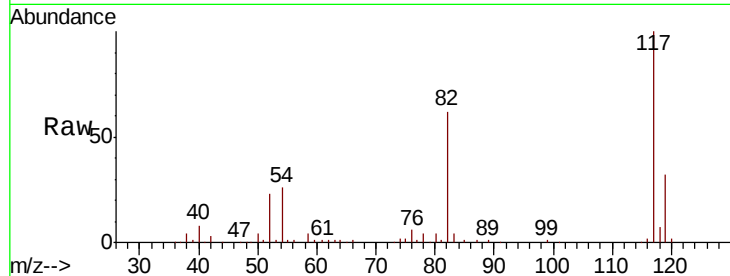




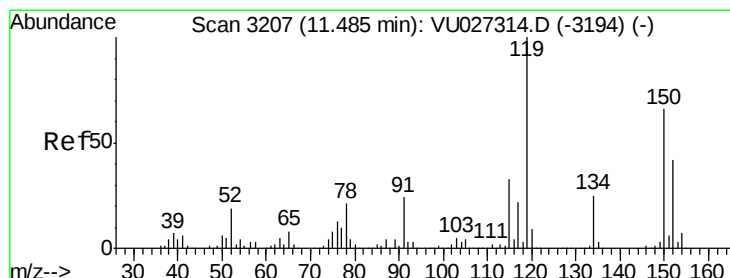
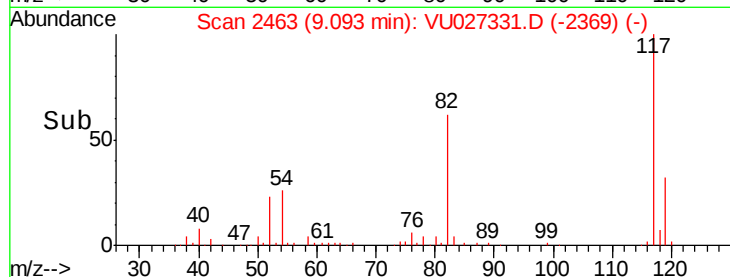
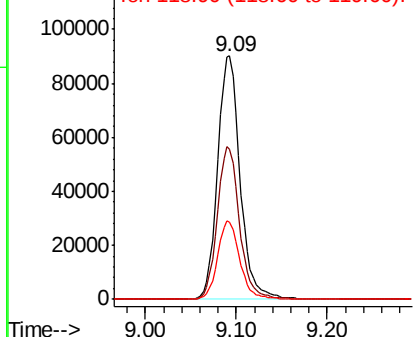
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027331.D
Acq: 01 Oct 2018 20:19

Instrument :
MSVOA_U
ClientSampleId :
RAV-GT-103-PREFILTER-9-26-18

Tot Ion:117 Resp: 154581
Ion Ratio Lower Upper
117 100
82 61.8 49.2 73.8
119 31.9 25.7 38.5

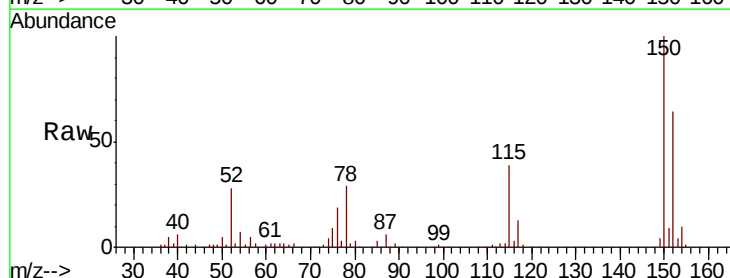


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

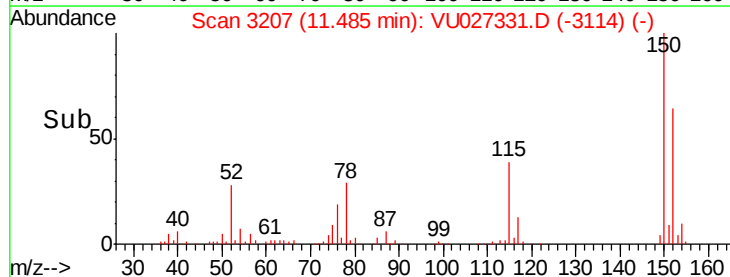
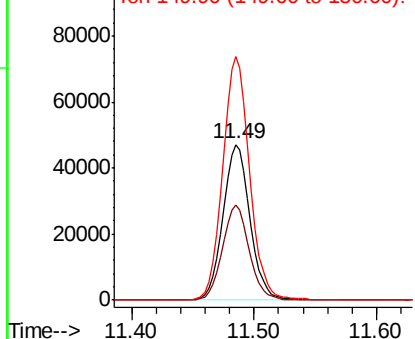


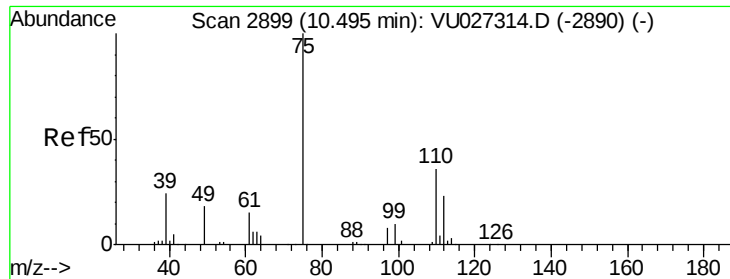
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027331.D
Acq: 01 Oct 2018 20:19

Tgt Ion:152 Resp: 73057
Ion Ratio Lower Upper
152 100
115 60.8 43.4 130.2
150 156.3 0.0 349.2



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

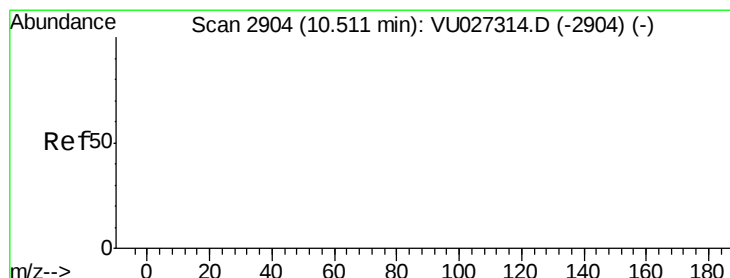
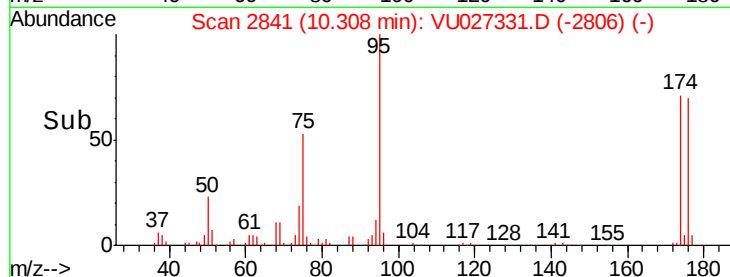
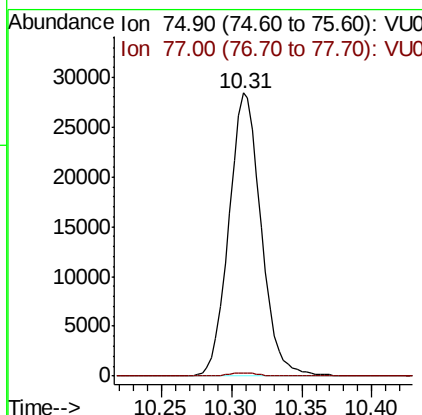
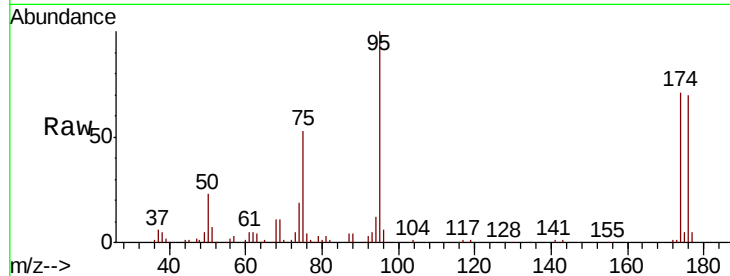




#76
 1,2,3-Trichloropropane
 Concen: 24.003 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027331.D
 Acq: 01 Oct 2018 20:19

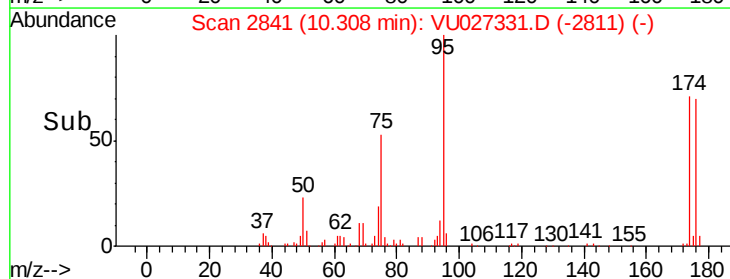
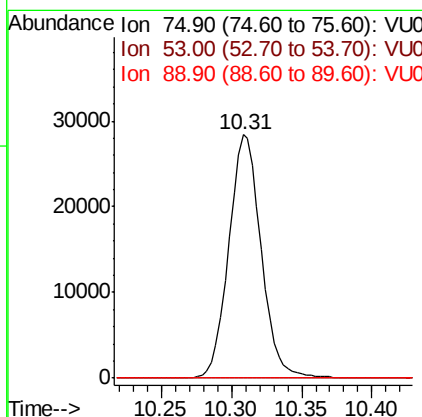
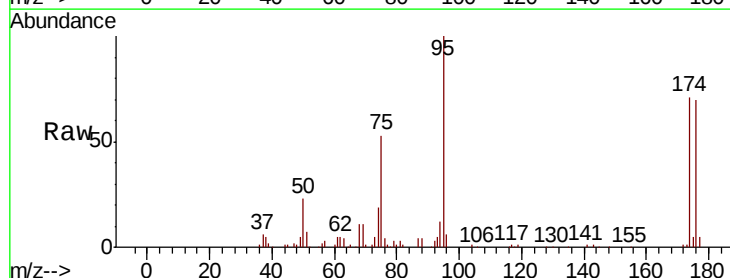
Instrument :
 MSVOA_U
 ClientSampleId :
 RAV-GT-103-PREFILTER-9-26-18

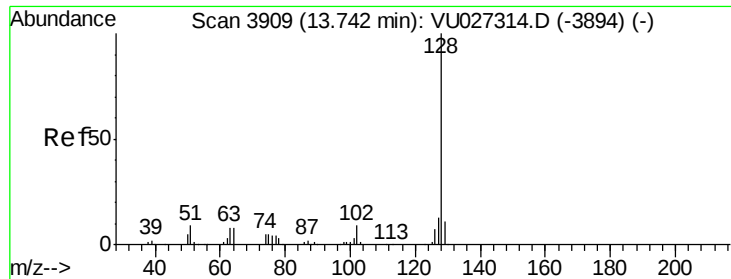
Tot Ion: 75 Resp: 45457
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.3 60.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.818 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU027331.D
 Acq: 01 Oct 2018 20:19

Tgt Ion: 75 Resp: 45457
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95

Napthalene

Concen: 1.667 ug/l

RT: 13.76 min Scan# 3916

Delta R.T. 0.02 min

Lab File: VU027331.D

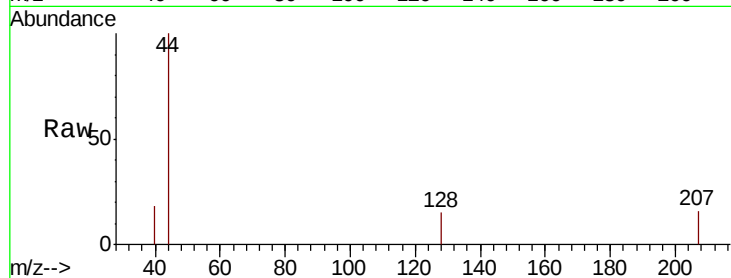
Acq: 01 Oct 2018 20:19

Instrument :

MSVOA_U

ClientSampleId :

RAV-GT-103-PREFILTER-9-26-18



Tot Ion:128 Resp: 40

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#

