

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
 Data File : VU027469.D
 Acq On : 05 Oct 2018 21:29
 Operator : MD/SY
 Sample : J5165-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-RB-092718

Quant Time: Oct 06 00:31:03 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	109058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	184723	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	177232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	95662	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	102958	56.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.08%	
35) Dibromofluoromethane	4.89	113	73698	58.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.42%	
50) Toluene-d8	7.57	98	281916	59.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.00%	
62) 4-Bromofluorobenzene	10.31	95	102003	57.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.86%	

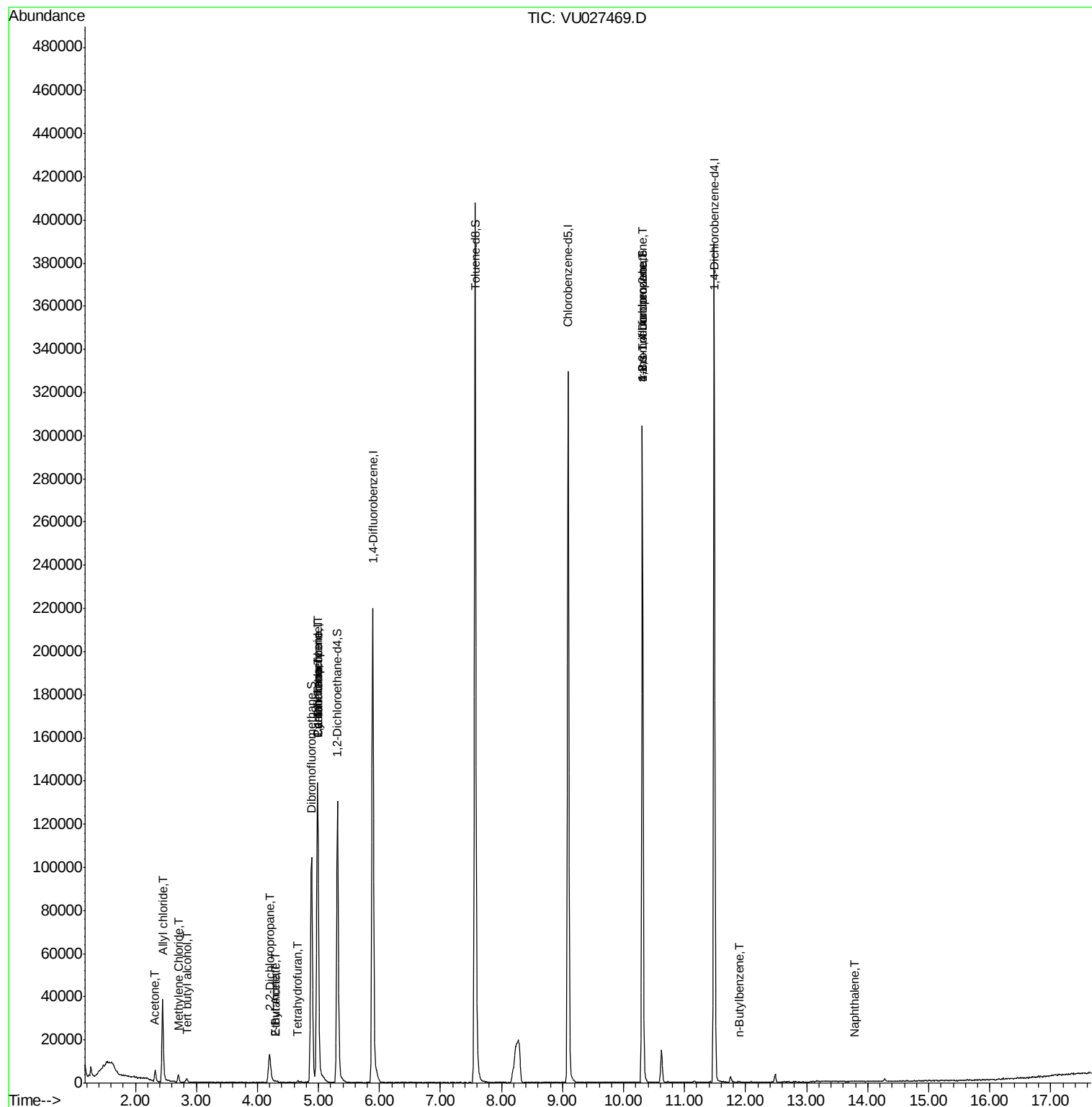
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	1133	2.954	ug/l #	72
14) Allyl chloride	2.45	41	4072	1.489	ug/l #	75
16) Acetone	2.32	43	5779	5.372	ug/l	97
20) Methylene Chloride	2.70	84	1565	1.044	ug/l #	90
25) 2-Butanone	4.29	43	736	0.502	ug/l #	54
26) 2,2-Dichloropropane	4.20	77	814	0.347	ug/l #	56
29) Tetrahydrofuran	4.66	42	310	0.335	ug/l #	50
31) Cyclohexane	4.99	56	2467	0.610	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9408	4.691	ug/l #	49
37) Ethyl Acetate	4.29	43	736	0.284	ug/l #	70
38) Carbon Tetrachloride	4.98	117	10616	5.860	ug/l #	17
76) 1,2,3-Trichloropropane	10.31	75	54563	22.003	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	54563	57.585	ug/l #	100
89) n-Butylbenzene	11.89	91	42	1.956	ug/l #	33
95) Naphthalene	13.77	128	40	1.665	ug/l #	69

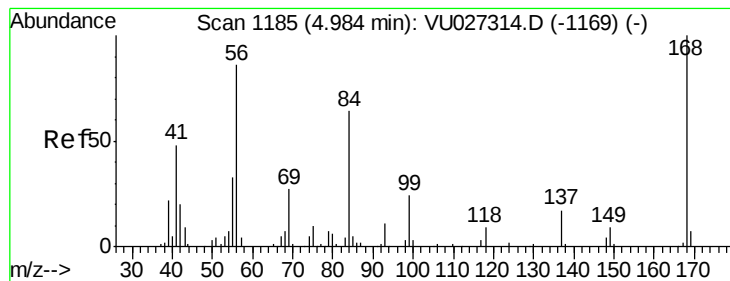
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027469.D

Acq: 05 Oct 2018 21:29

Instrument :

MSVOA_U

ClientSampleId :

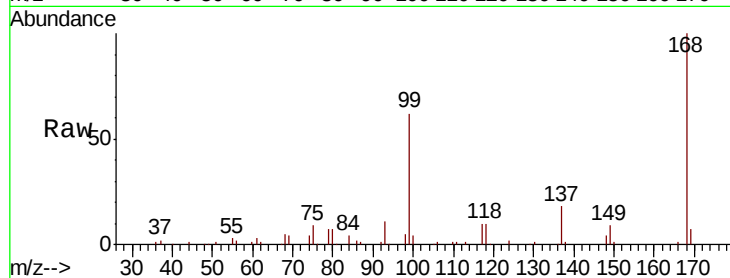
EP1-RB-092718

Tgt Ion:168 Resp: 109058

Ion Ratio Lower Upper

168 100

99 62.4 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

50000

40000

30000

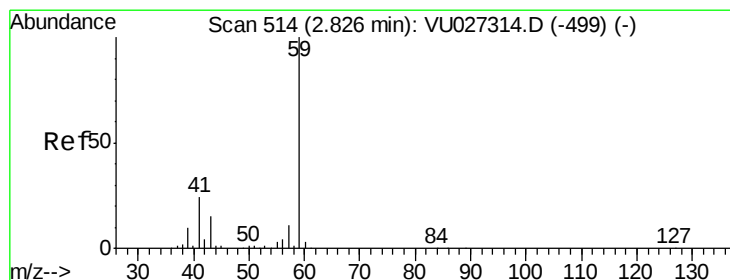
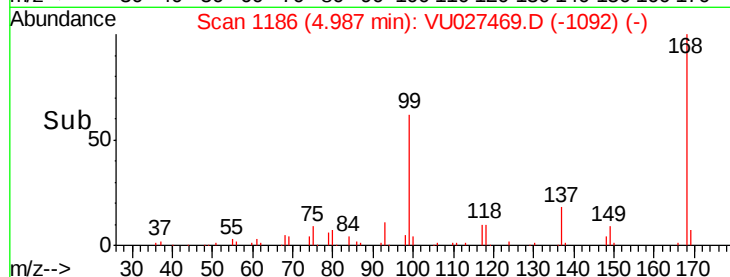
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#11

Tert butyl alcohol

Concen: 2.954 ug/l

RT: 2.84 min Scan# 519

Delta R.T. 0.02 min

Lab File: VU027469.D

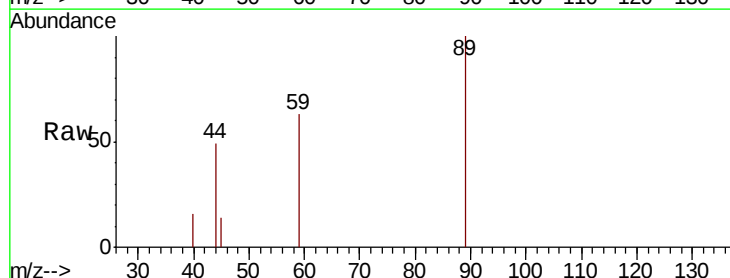
Acq: 05 Oct 2018 21:29

Tgt Ion: 59 Resp: 1133

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027314.D (-499) (-)

2.84

600

500

400

300

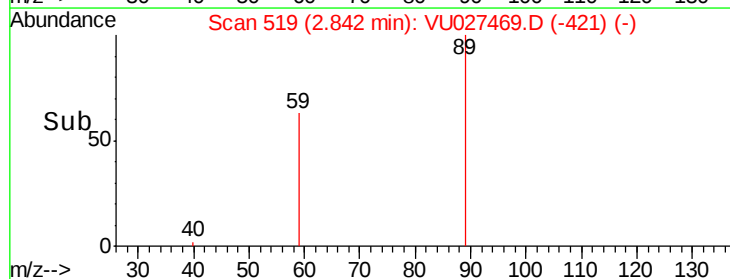
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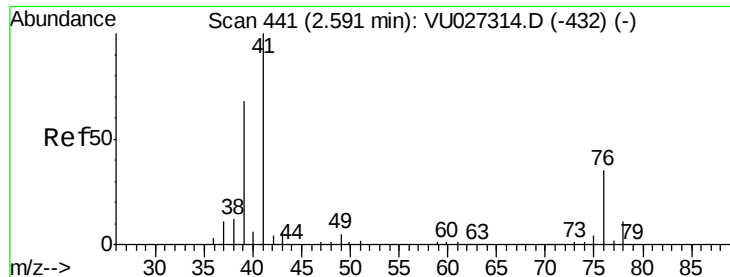
100

0

2.80 2.85

Time-->





#14

Allyl chloride

Concen: 1.489 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.14 min

Lab File: VU027469.D

Acq: 05 Oct 2018 21:29

Instrument :

MSVOA_U

ClientSampleId :

EP1-RB-092718

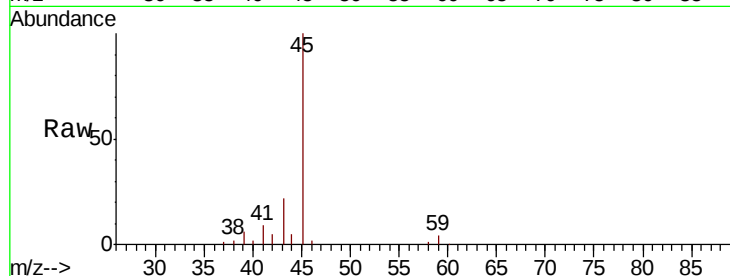
Tgt Ion: 41 Resp: 4072

Ion Ratio Lower Upper

41 100

39 71.9 51.8 77.8

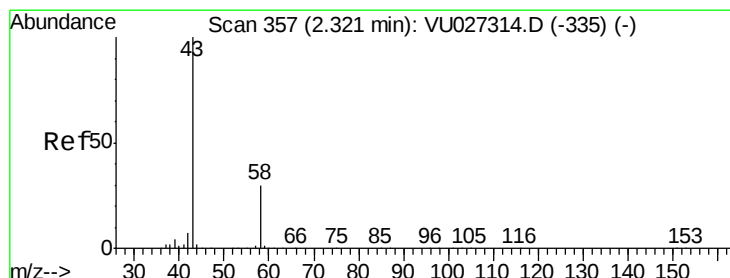
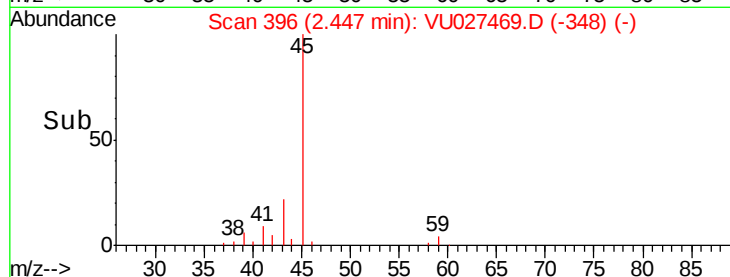
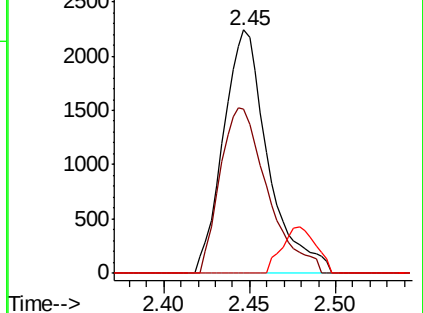
76 0.0 25.9 38.9#



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: 5.372 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027469.D

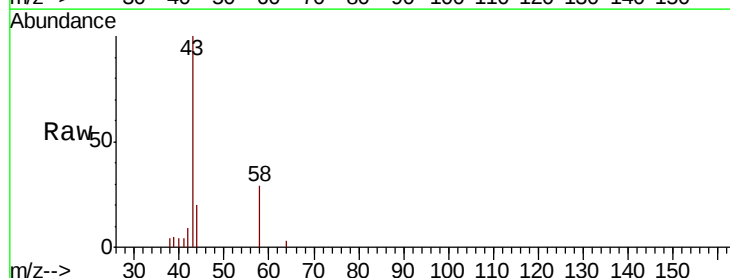
Acq: 05 Oct 2018 21:29

Tgt Ion: 43 Resp: 5779

Ion Ratio Lower Upper

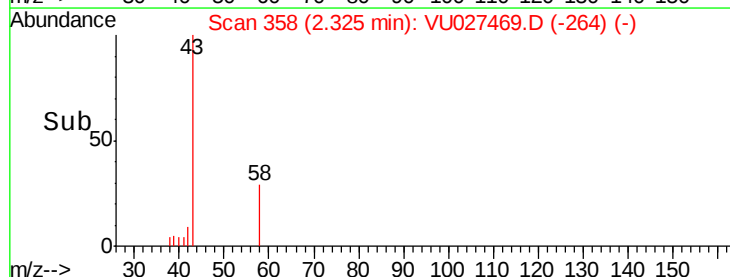
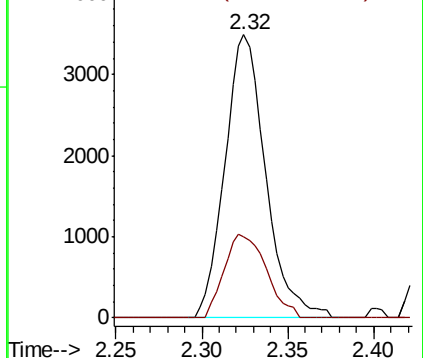
43 100

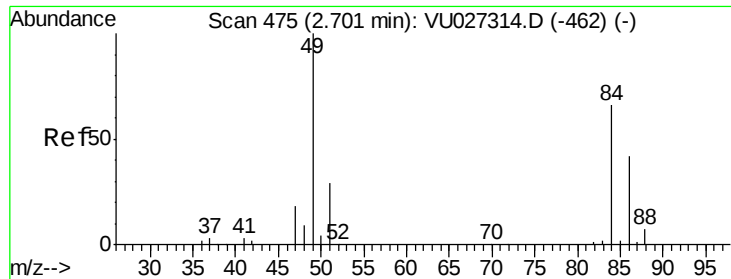
58 28.9 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

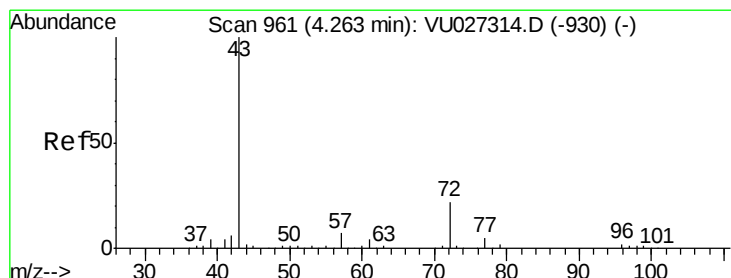
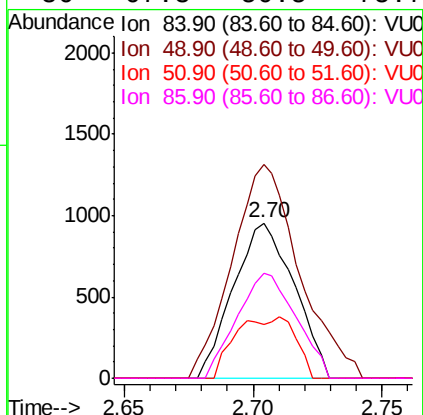
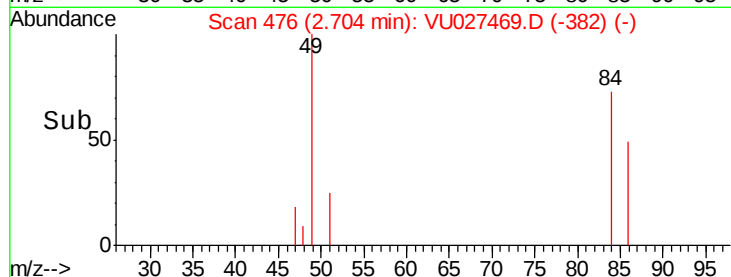
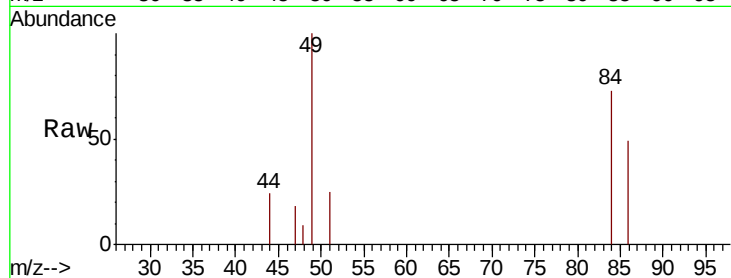




#20
Methylene Chloride
Concen: 1.044 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027469.D
Acq: 05 Oct 2018 21:29

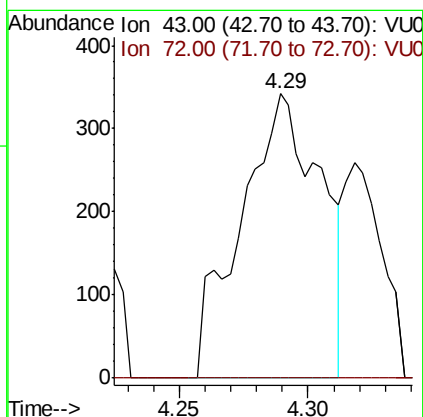
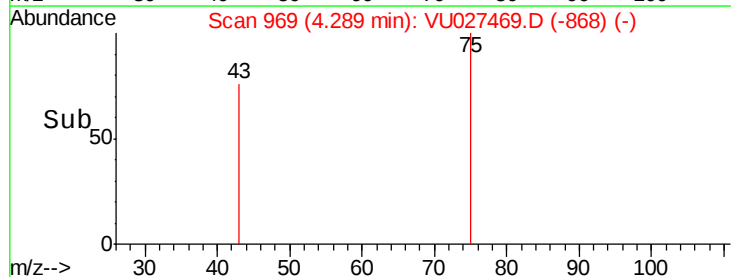
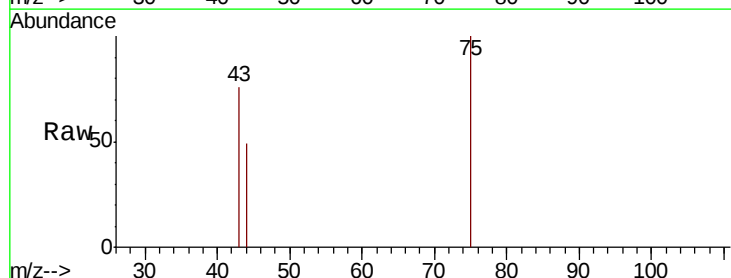
Instrument :
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EP1-RB-092718

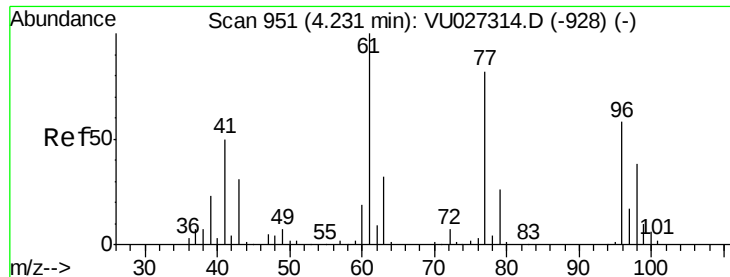
Tgt Ion: 84 Resp: 1565
Ion Ratio Lower Upper
84 100
49 137.8 120.5 180.7
51 35.0 35.1 52.7#
86 67.8 50.5 75.7



#25
2-Butanone
Concen: 0.502 ug/l
RT: 4.29 min Scan# 969
Delta R.T. 0.03 min
Lab File: VU027469.D
Acq: 05 Oct 2018 21:29

Tgt Ion: 43 Resp: 736
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.6#

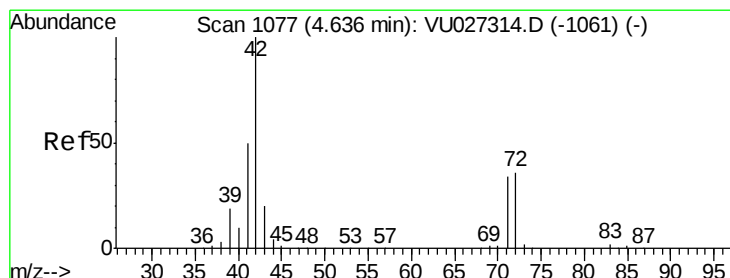
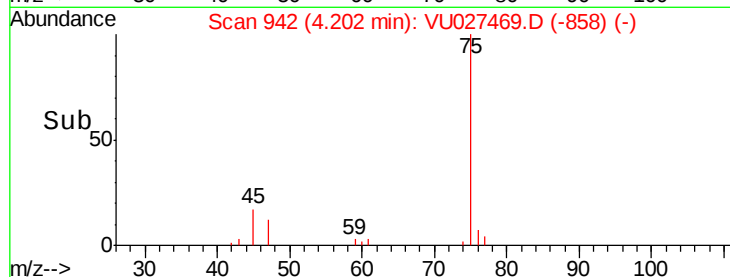
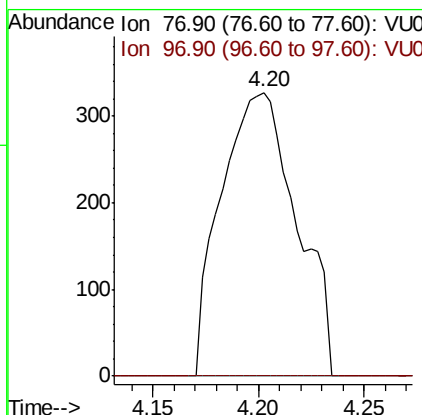
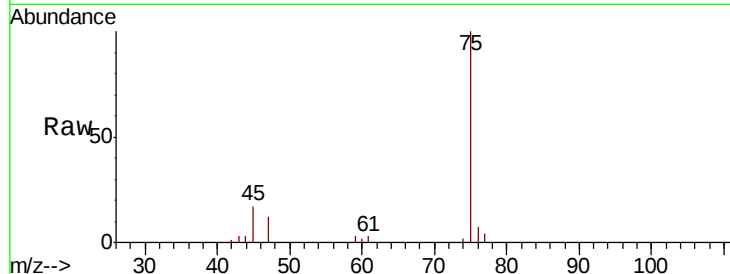




#26
 2,2-Dichloropropane
 Concen: 0.347 ug/l
 RT: 4.20 min Scan# 942
 Delta R.T. -0.03 min
 Lab File: VU027469.D
 Acq: 05 Oct 2018 21:29

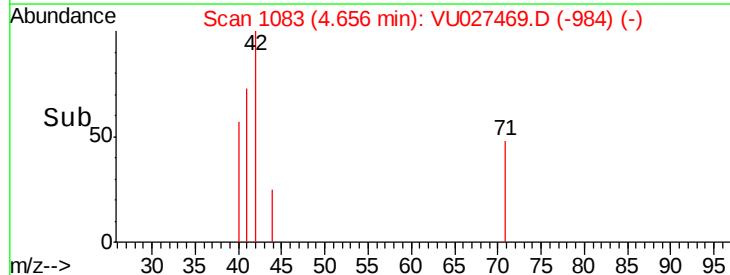
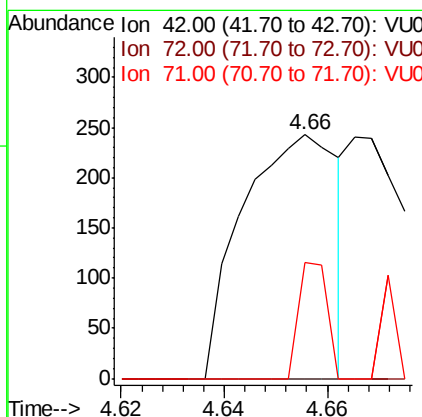
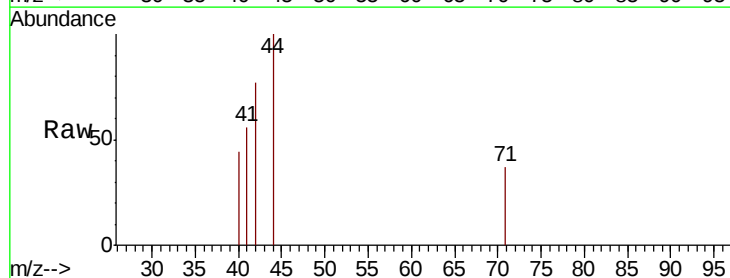
Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-RB-092718

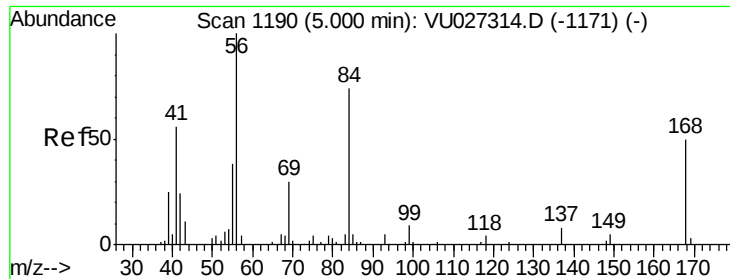
Tgt Ion: 77 Resp: 814
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.4 31.1#



#29
 Tetrahydrofuran
 Concen: 0.335 ug/l
 RT: 4.66 min Scan# 1083
 Delta R.T. 0.02 min
 Lab File: VU027469.D
 Acq: 05 Oct 2018 21:29

Tgt Ion: 42 Resp: 310
 Ion Ratio Lower Upper
 42 100
 72 0.0 30.1 45.1#
 71 14.2 27.7 41.5#

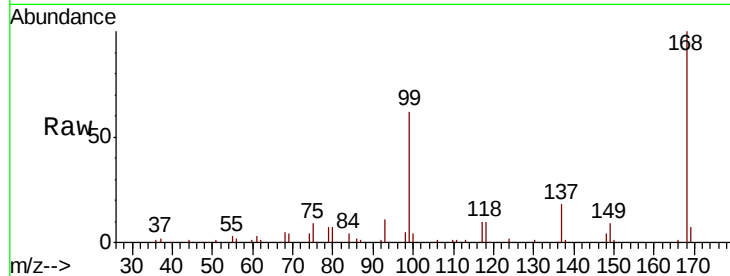




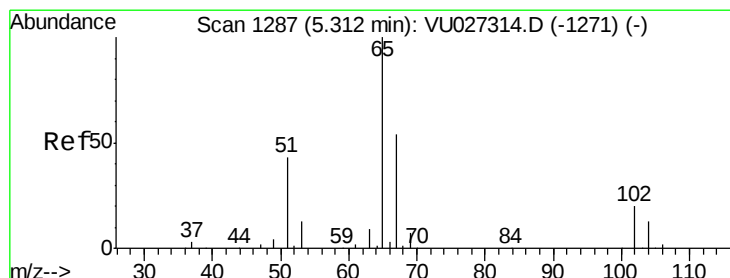
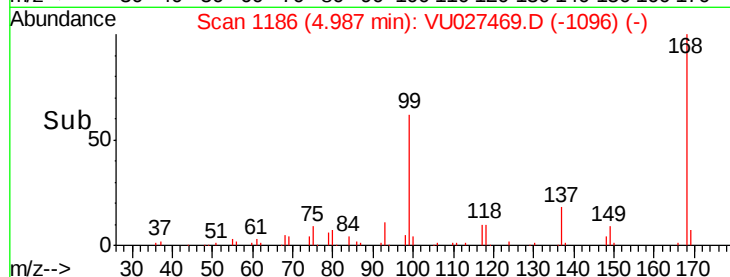
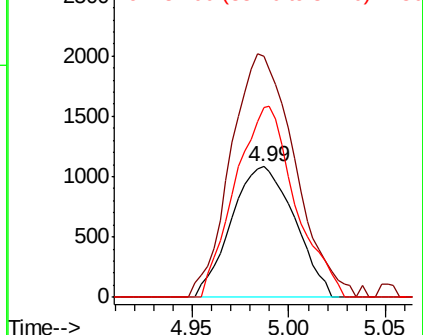
#31
Cyclohexane
Concen: 0.610 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027469.D
Acq: 05 Oct 2018 21:29

Instrument :
MSVOA_U
ClientSampleId :
EP1-RB-092718

Tgt Ion: 56 Resp: 2467
Ion Ratio Lower Upper
56 100
69 184.3 24.1 36.1#
84 145.6 59.1 88.7#

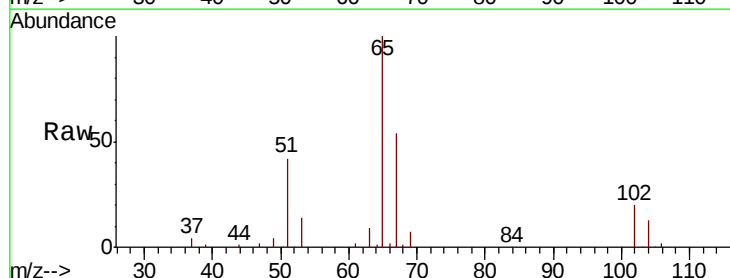


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

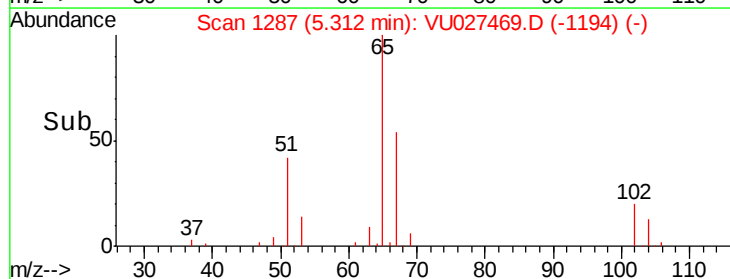
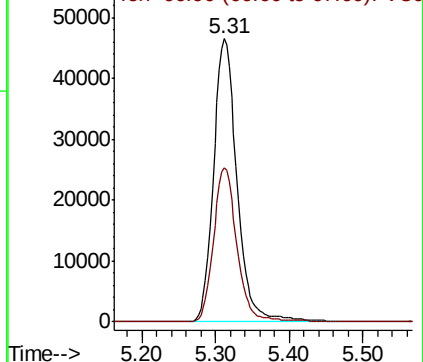


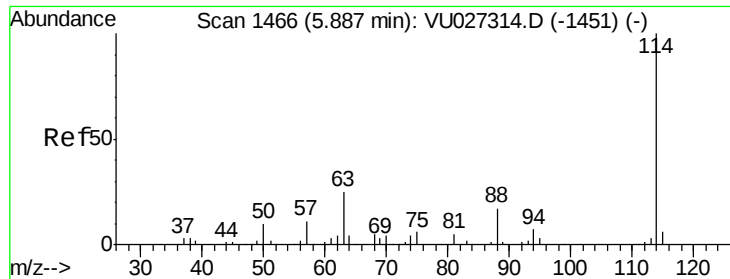
#33
1,2-Dichloroethane-d4
Concen: 56.537 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027469.D
Acq: 05 Oct 2018 21:29

Tgt Ion: 65 Resp: 102958
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.8



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

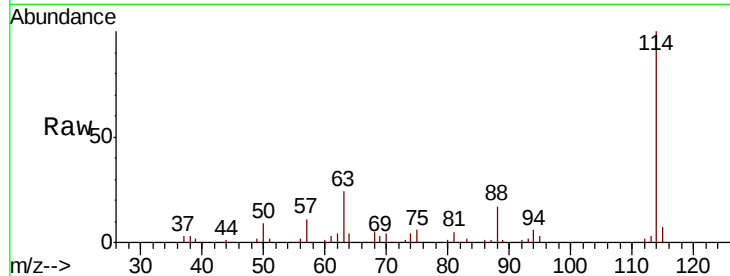




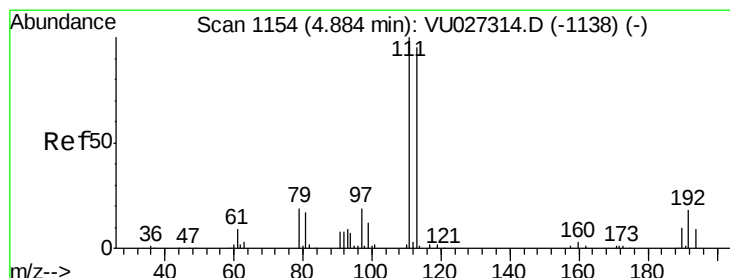
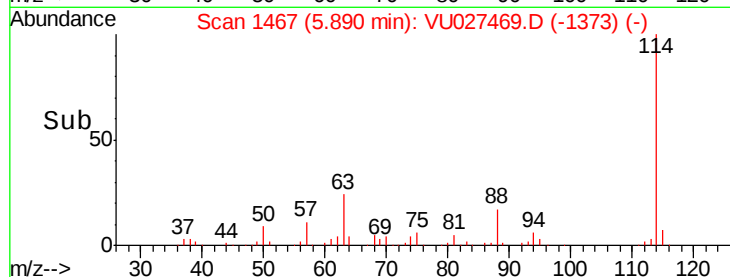
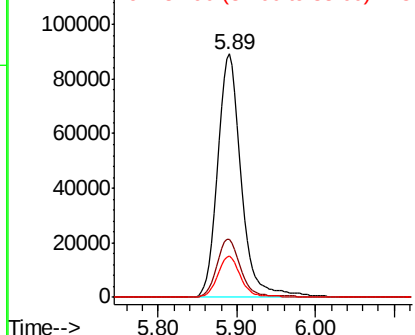
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027469.D
 Acq: 05 Oct 2018 21:29

Instrument :
 MSVOA_U
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Tgt Ion:114 Resp: 184723
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 50.2
 88 16.9 0.0 33.8

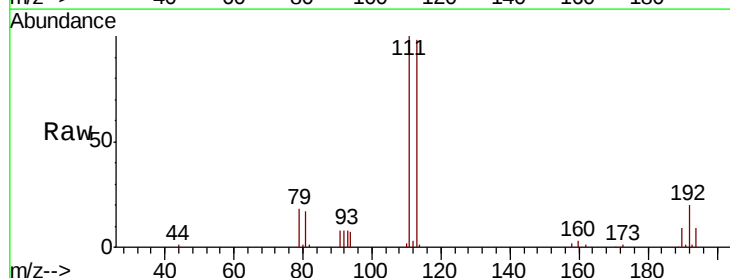


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

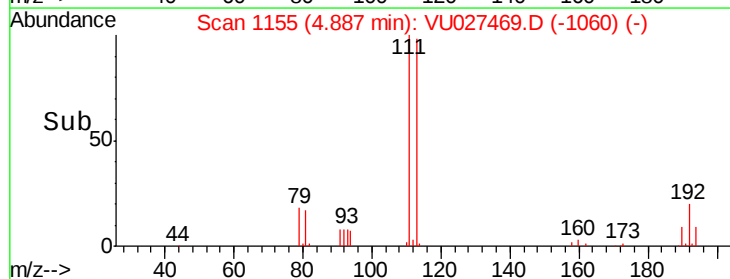
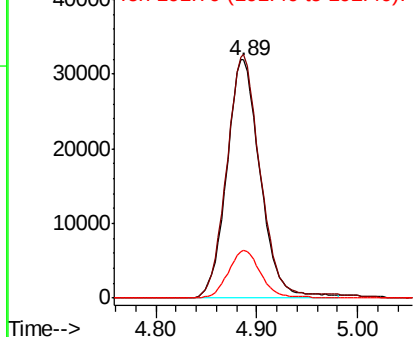


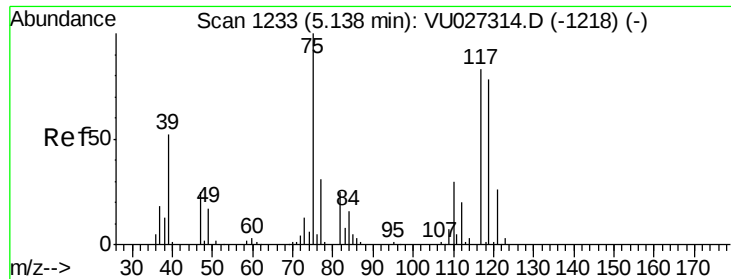
#35
 Dibromofluoromethane
 Concen: 58.215 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027469.D
 Acq: 05 Oct 2018 21:29

Tgt Ion:113 Resp: 73698
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.1 124.7
 192 19.3 15.4 23.0



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: 4.691 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027469.D

Acq: 05 Oct 2018 21:29

Instrument :

MSVOA_U

ClientSampleId :

EP1-RB-092718

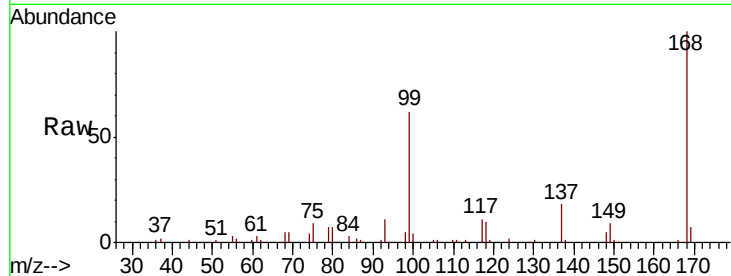
Tgt Ion: 75 Resp: 9408

Ion Ratio Lower Upper

75 100

110 6.5 15.5 46.5#

77 0.0 25.4 38.0#



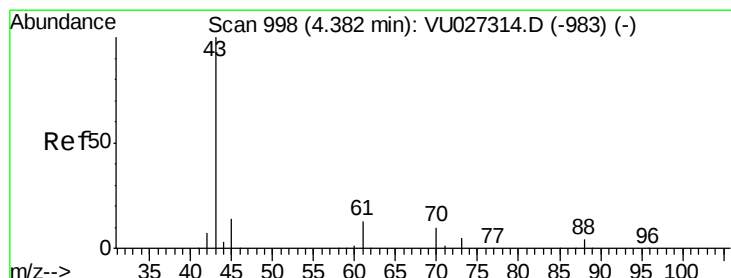
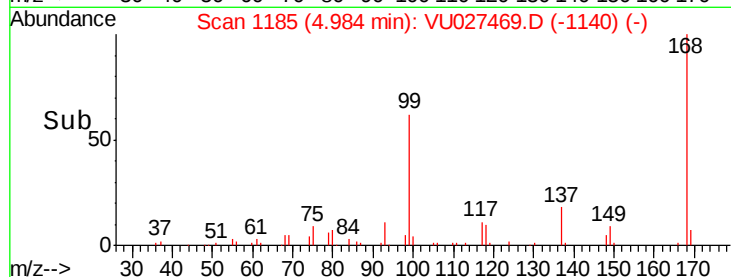
Abundance Ion 74.90 (74.60 to 75.60): VU027314.D (-1218) (-)

Ion 109.90 (109.60 to 110.60): VU027314.D (-1218) (-)

Ion 76.90 (76.60 to 77.60): VU027314.D (-1218) (-)

4.98

Time-->



#37

Ethyl Acetate

Concen: 0.284 ug/l

RT: 4.29 min Scan# 969

Delta R.T. -0.09 min

Lab File: VU027469.D

Acq: 05 Oct 2018 21:29

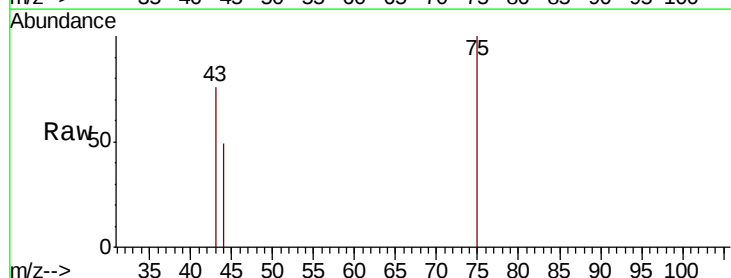
Tgt Ion: 43 Resp: 736

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 7.4 11.2#



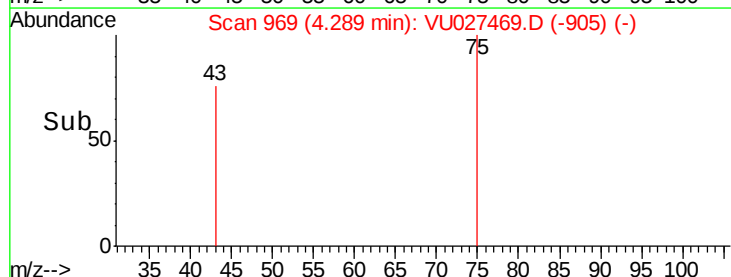
Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-983) (-)

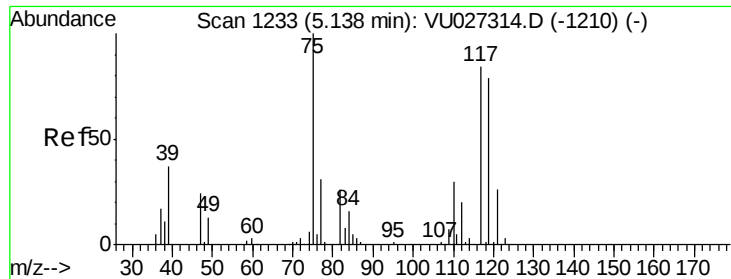
Ion 60.90 (60.60 to 61.60): VU027314.D (-983) (-)

Ion 70.00 (69.70 to 70.70): VU027314.D (-983) (-)

4.29

Time-->





#38

Carbon Tetrachloride

Concen: 5.860 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027469.D

Acq: 05 Oct 2018 21:29

Instrument :

MSVOA_U

ClientSampleId :

EP1-RB-092718

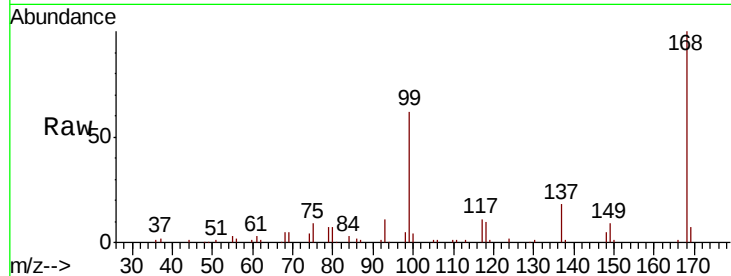
Tgt Ion:117 Resp: 10616

Ion Ratio Lower Upper

117 100

119 4.9 74.5 111.7#

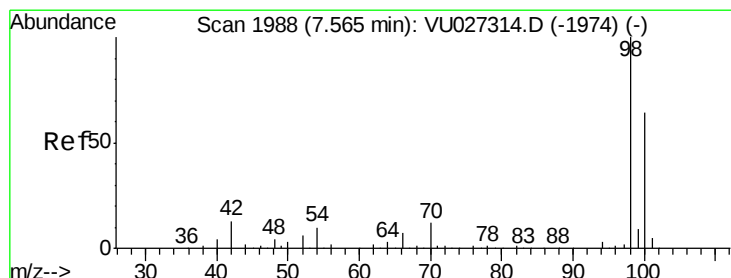
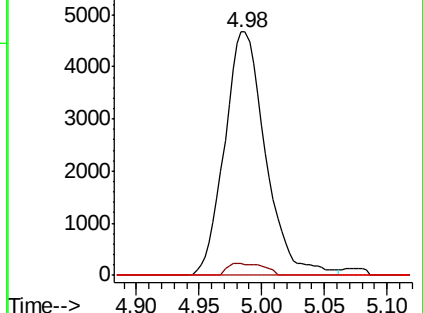
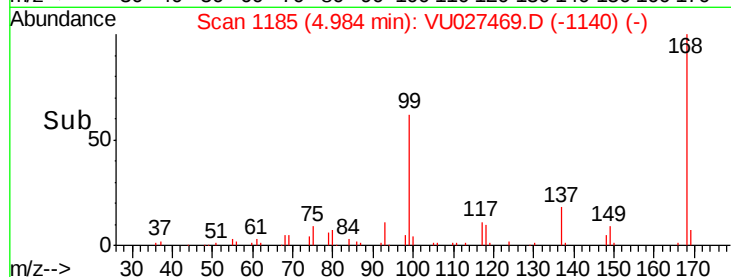
121 0.0 24.6 37.0#



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: 59.500 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027469.D

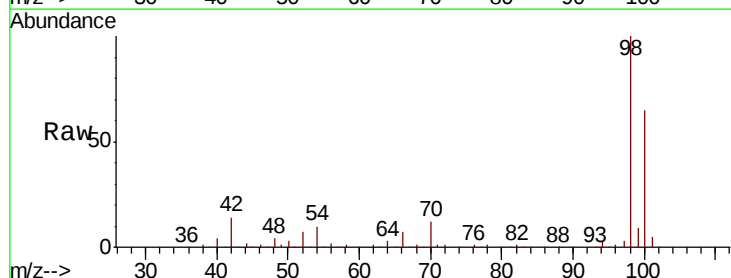
Acq: 05 Oct 2018 21:29

Tgt Ion: 98 Resp: 281916

Ion Ratio Lower Upper

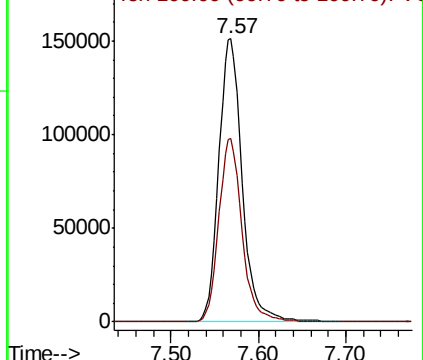
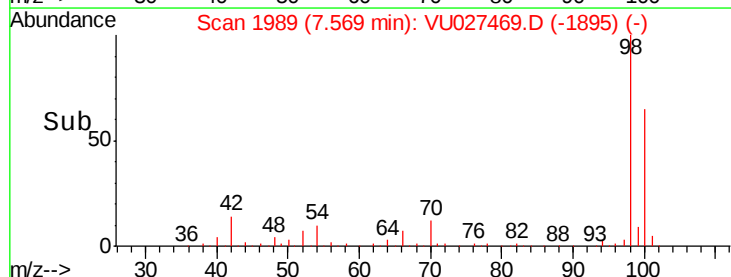
98 100

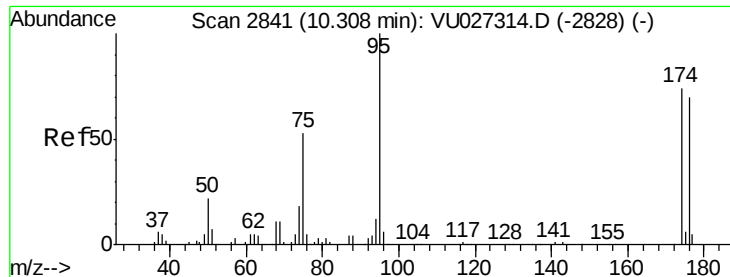
100 64.5 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

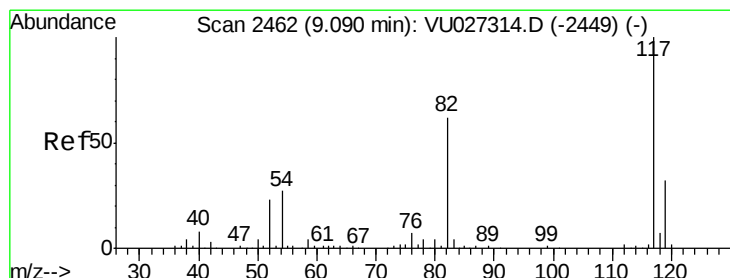
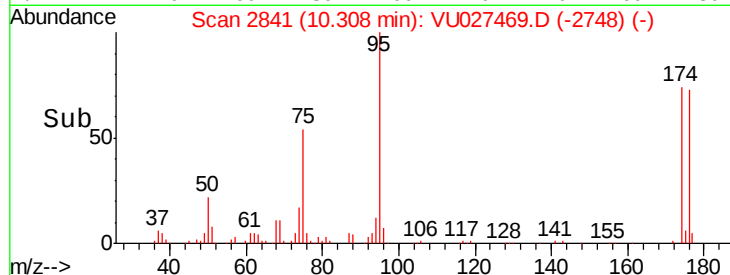
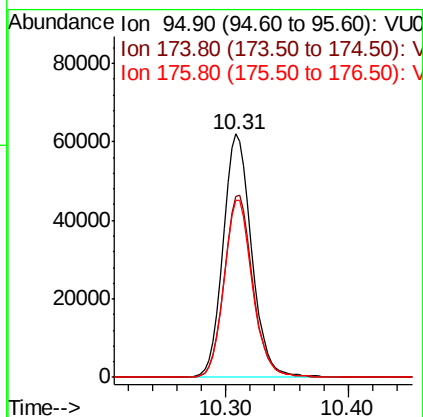
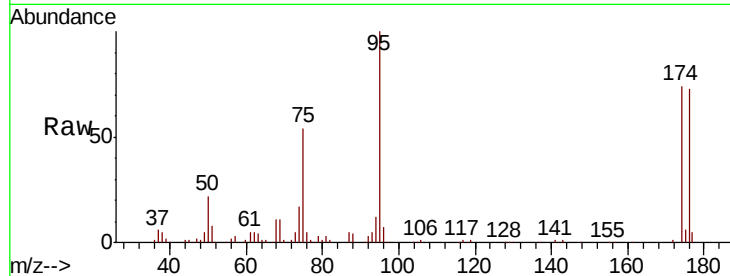




#62
 4-Bromofluorobenzene
 Concen: 57.928 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027469.D
 Acq: 05 Oct 2018 21:29

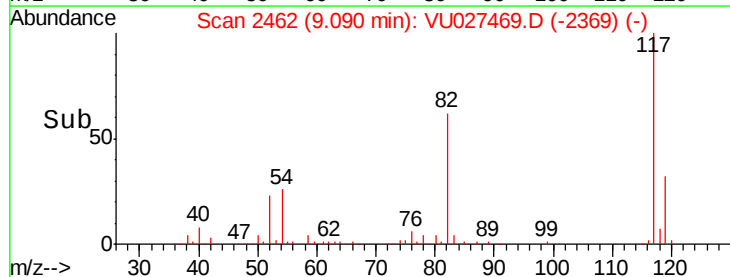
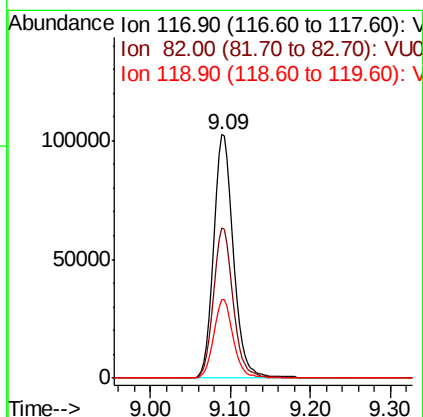
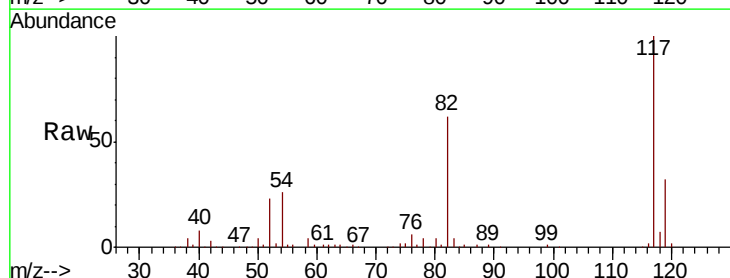
Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-RB-092718

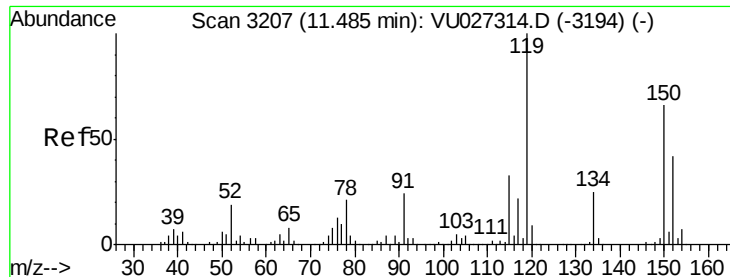
Tgt Ion: 95 Resp: 102003
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 147.8
 176 72.6 0.0 140.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VU027469.D
 Acq: 05 Oct 2018 21:29

Tgt Ion: 117 Resp: 177232
 Ion Ratio Lower Upper
 117 100
 82 61.8 49.2 73.8
 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: VU027469.D

Acq: 05 Oct 2018 21:29

Instrument :

MSVOA_U

ClientSampleId :

EP1-RB-092718

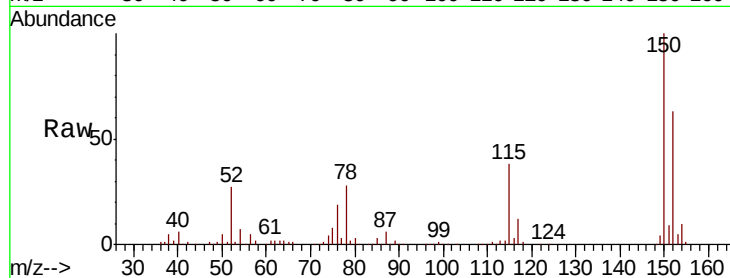
Tgt Ion: 152 Resp: 95662

Ion Ratio Lower Upper

152 100

115 60.3 43.4 130.2

150 156.5 0.0 349.2

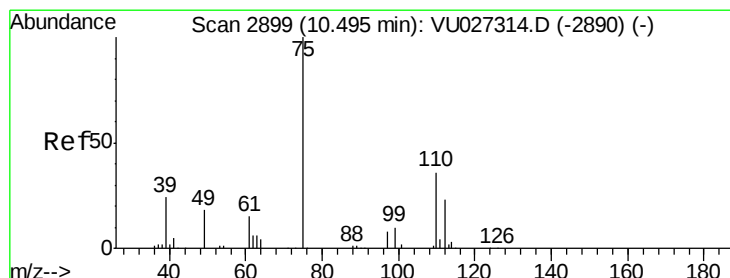
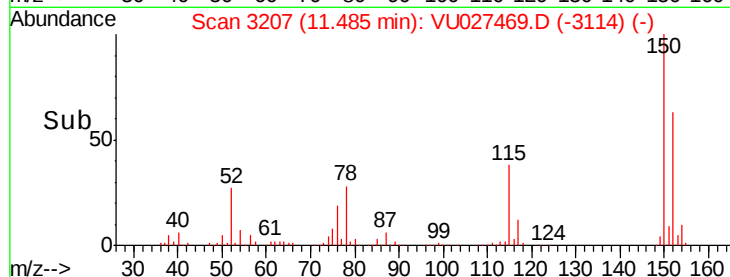
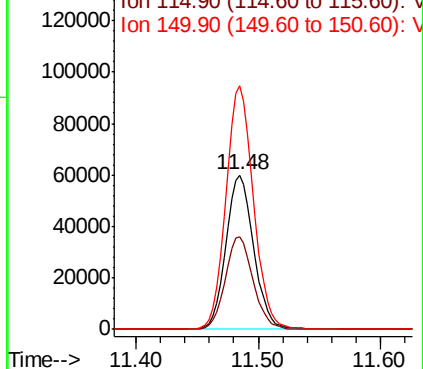


Abundance

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: 22.003 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027469.D

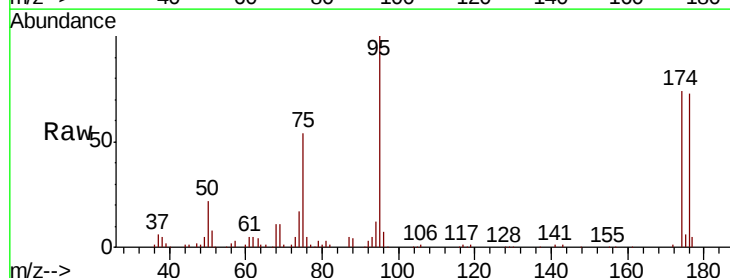
Acq: 05 Oct 2018 21:29

Tgt Ion: 75 Resp: 54563

Ion Ratio Lower Upper

75 100

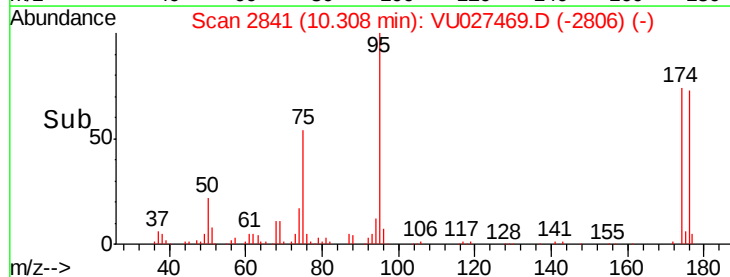
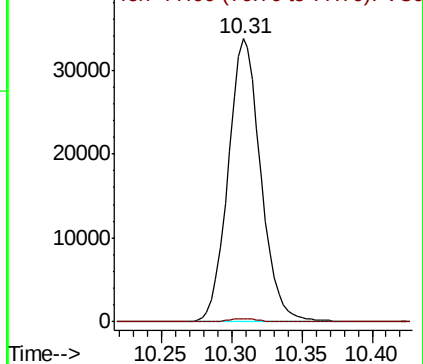
77 1.0 20.3 60.9#

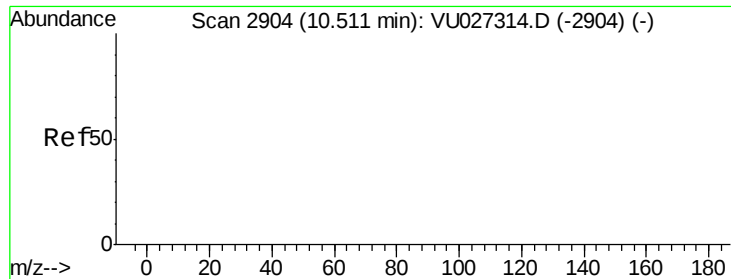


Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

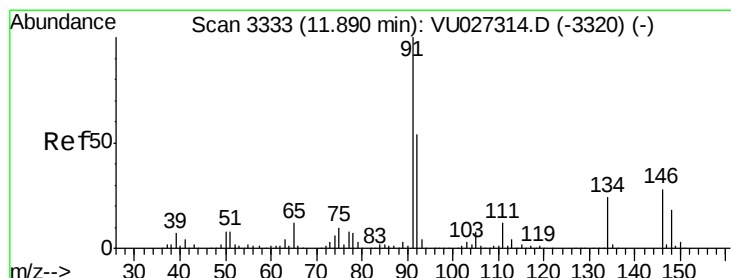
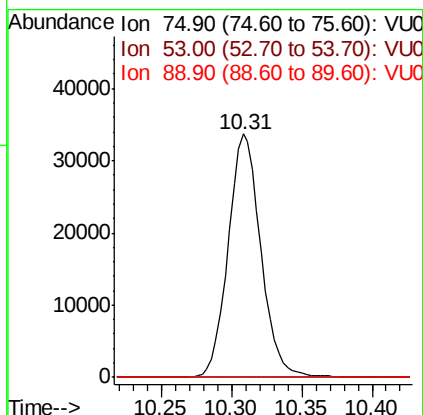
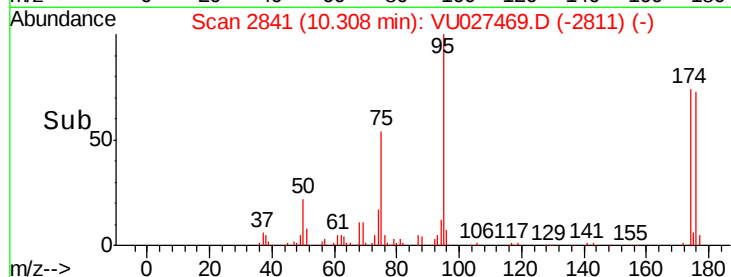
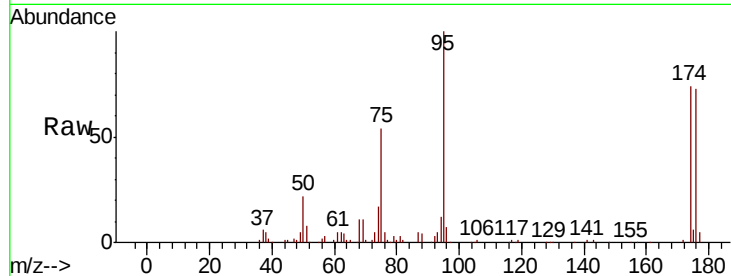




#81
trans-1,4-Dichloro-2-butene
Concen: 57.585 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU027469.D
Acq: 05 Oct 2018 21:29

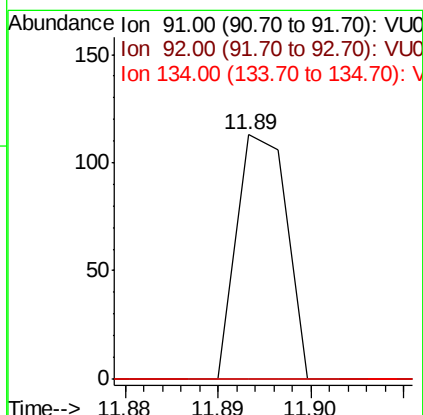
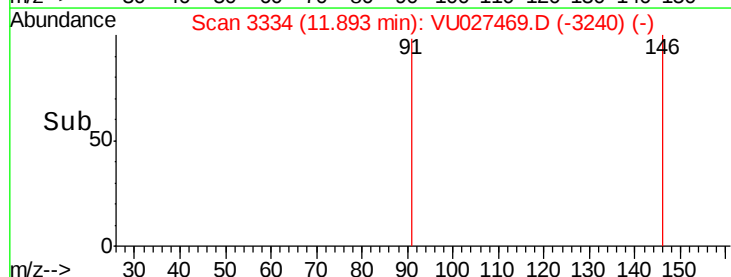
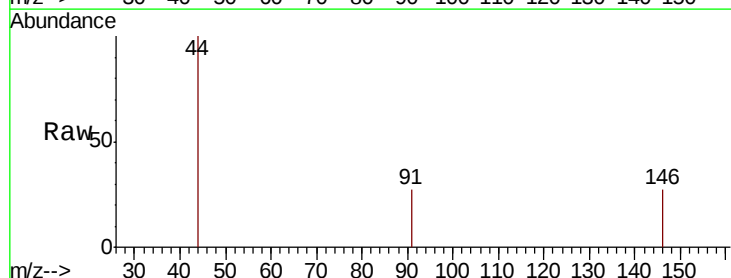
Instrument :
MSVOA_U
ClientSampleId :
EP1-RB-092718

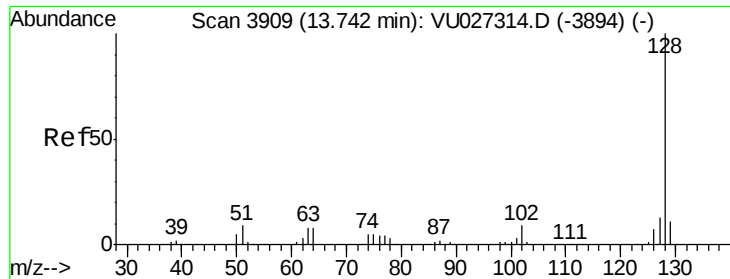
Tgt Ion: 75 Resp: 54563
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#89
n-Butylbenzene
Concen: 1.956 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU027469.D
Acq: 05 Oct 2018 21:29

Tgt Ion: 91 Resp: 42
Ion Ratio Lower Upper
91 100
92 0.0 27.0 81.0#
134 0.0 11.7 35.1#





#95

Naphthalene

Concen: 1.665 ug/l

RT: 13.77 min Scan# 3919

Delta R.T. 0.03 min

Lab File: VU027469.D

Acq: 05 Oct 2018 21:29

Instrument :

MSVOA_U

ClientSampleId :

EP1-RB-092718

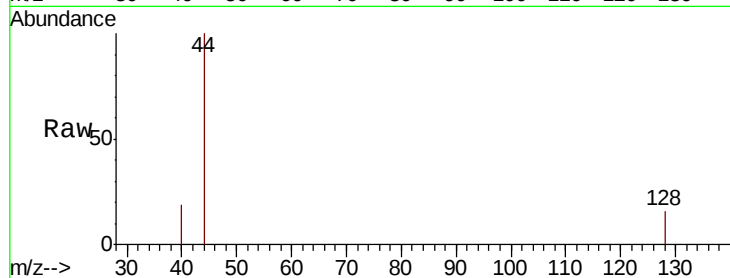
Tgt Ion:128 Resp: 40

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

