

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U100418\
 Data File : VU027432.D
 Acq On : 05 Oct 2018 00:40
 Operator : MD/SY
 Sample : J5165-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-RB-092718

Quant Time: Oct 05 03:20:04 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	115916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	201828	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	195076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	108929	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	108284	55.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.88%	
35) Dibromofluoromethane	4.89	113	79809	57.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.40%	
50) Toluene-d8	7.57	98	309806	59.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.68%	
62) 4-Bromofluorobenzene	10.31	95	112548	58.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.00%	

Target Compounds

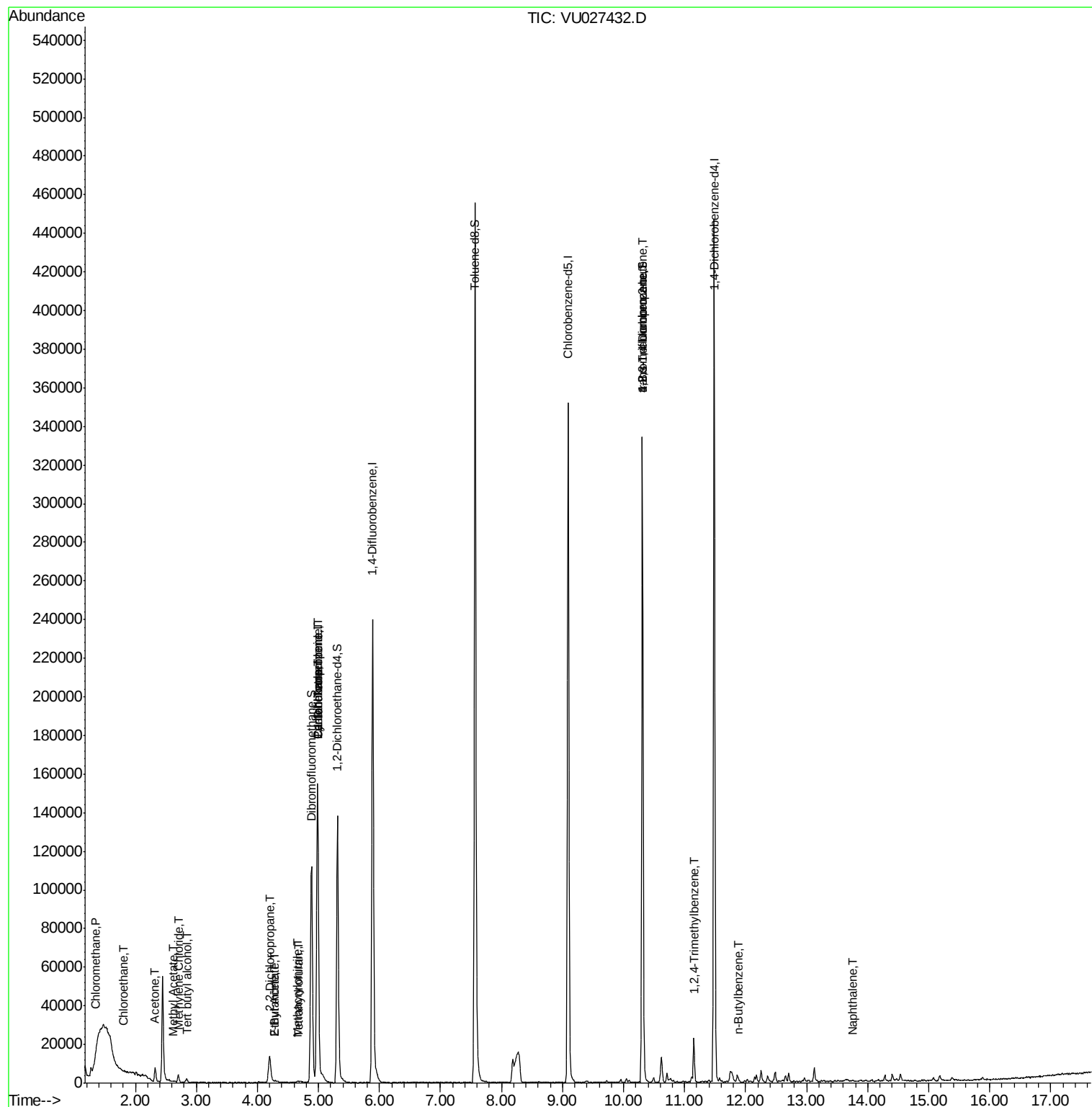
						Qvalue
3) Chloromethane	1.34	50	509	0.225	ug/l #	42
6) Chloroethane	1.81	64	522	0.408	ug/l #	51
11) Tert butyl alcohol	2.84	59	1405	3.447	ug/l #	72
16) Acetone	2.32	43	8119	7.100	ug/l	98
18) Methyl Acetate	2.62	43	774	0.297	ug/l #	56
20) Methylene Chloride	2.70	84	1607	1.009	ug/l	94
25) 2-Butanone	4.29	43	1059	0.679	ug/l #	54
26) 2,2-Dichloropropane	4.20	77	587	0.235	ug/l #	56
29) Tetrahydrofuran	4.66	42	670	0.682	ug/l #	55
31) Cyclohexane	4.98	56	2702	0.636	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9896	4.516	ug/l #	49
37) Ethyl Acetate	4.29	43	1059	0.374	ug/l #	70
38) Carbon Tetrachloride	4.99	117	11894	6.009	ug/l #	17
41) Methacrylonitrile	4.65	41	374	0.234	ug/l #	30
76) 1,2,3-Trichloropropane	10.31	75	58732	20.800	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	58732	54.435	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	12627	1.919	ug/l	99
89) n-Butylbenzene	11.89	91	839	2.063	ug/l #	51
95) Naphthalene	13.76	128	373	1.704	ug/l #	69

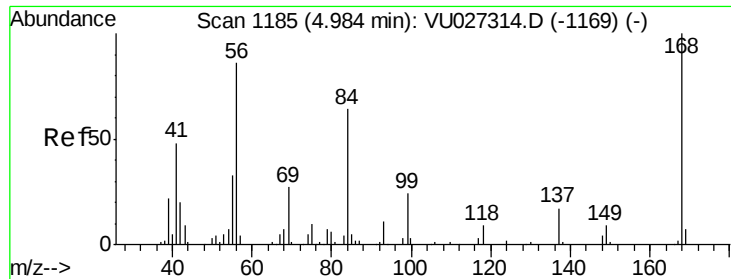
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
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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: VU027432.D

Acq: 05 Oct 2018 00:40

Instrument :

MSVOA_U

ClientSampleId :

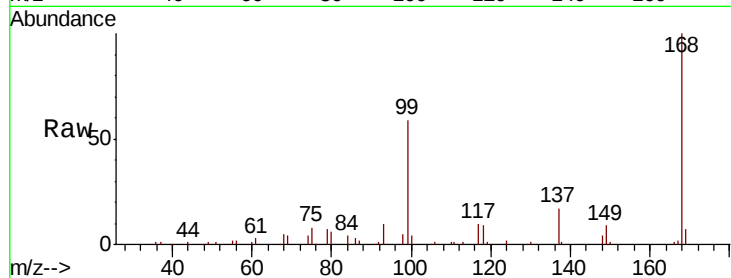
EP1-RB-092718

Tgt Ion:168 Resp: 115916

Ion Ratio Lower Upper

168 100

99 58.5 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

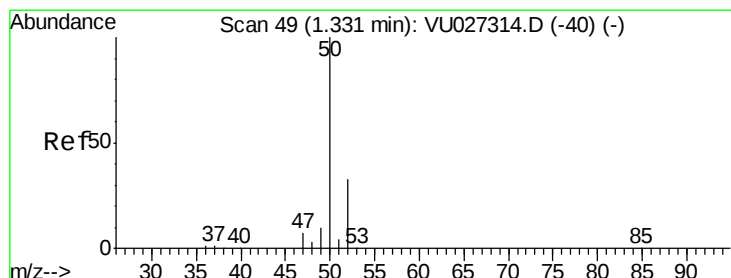
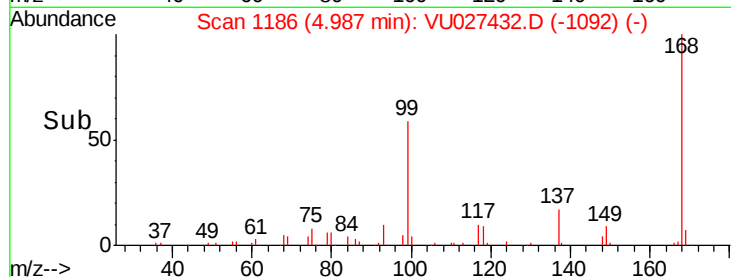
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.34 min Scan# 51

Delta R.T. 0.01 min

Lab File: VU027432.D

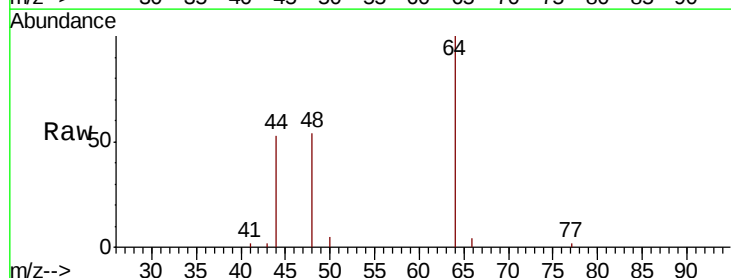
Acq: 05 Oct 2018 00:40

Tgt Ion: 50 Resp: 509

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VU027314.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027314.D (-40) (-)

1.34

400

300

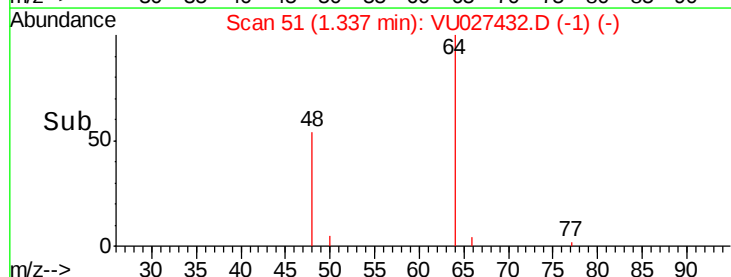
200

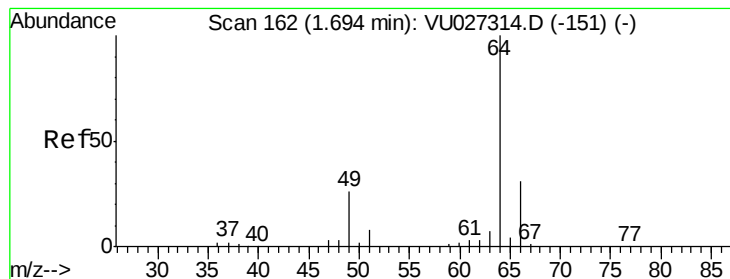
100

0

1.30 1.32 1.34 1.36

Time-->





#6

Chloroethane

Concen: 0.408 ug/l

RT: 1.81 min Scan# 197

Delta R.T. 0.11 min

Lab File: VU027432.D

Acq: 05 Oct 2018 00:40

Instrument :

MSVOA_U

ClientSampleId :

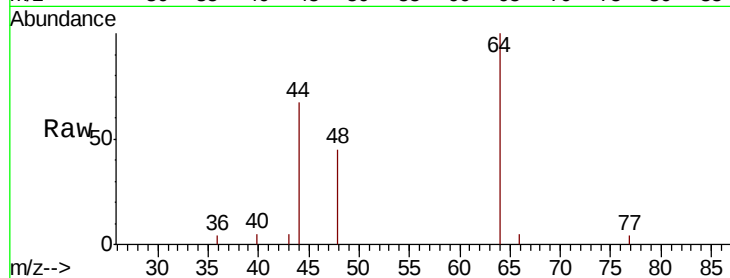
EP1-RB-092718

Tgt Ion: 64 Resp: 522

Ion Ratio Lower Upper

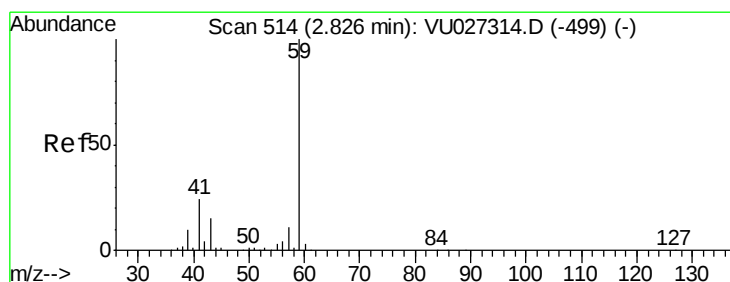
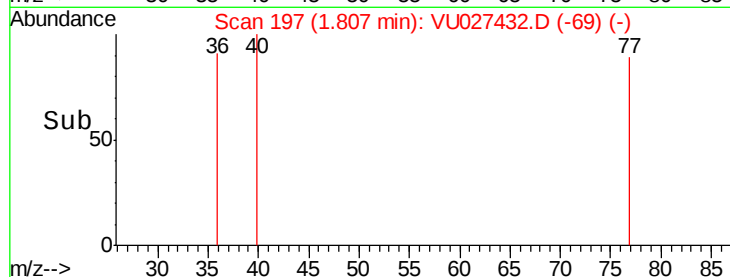
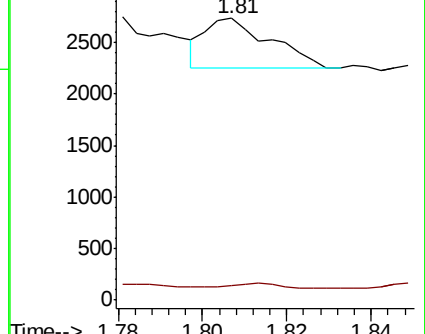
64 100

66 4.1 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



#11

Tert butyl alcohol

Concen: 3.447 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU027432.D

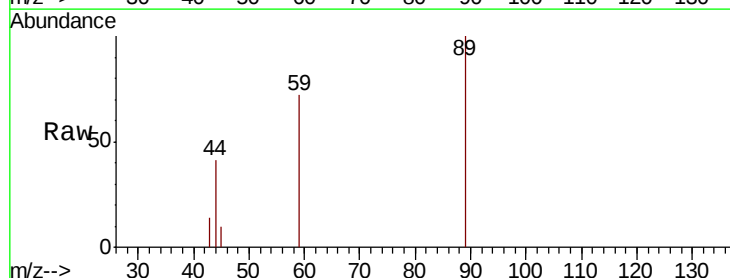
Acq: 05 Oct 2018 00:40

Tgt Ion: 59 Resp: 1405

Ion Ratio Lower Upper

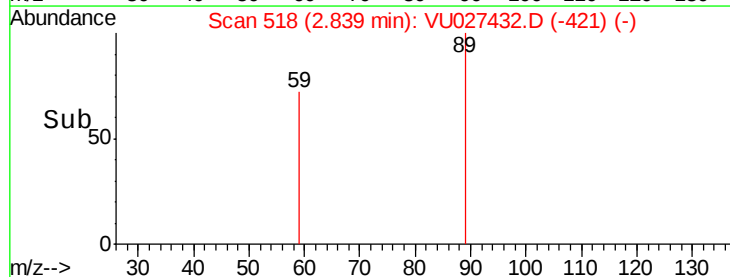
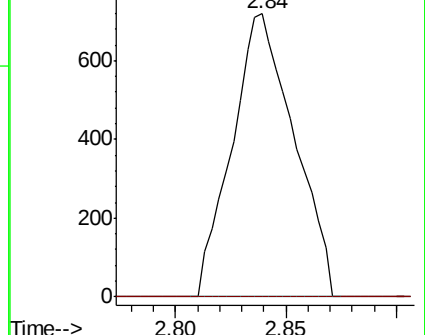
59 100

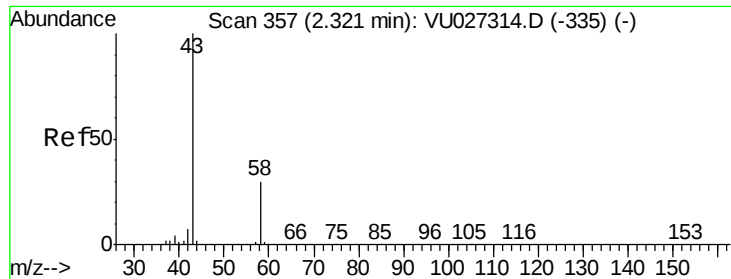
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 7.100 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027432.D

Acq: 05 Oct 2018 00:40

Instrument :

MSVOA_U

ClientSampleId :

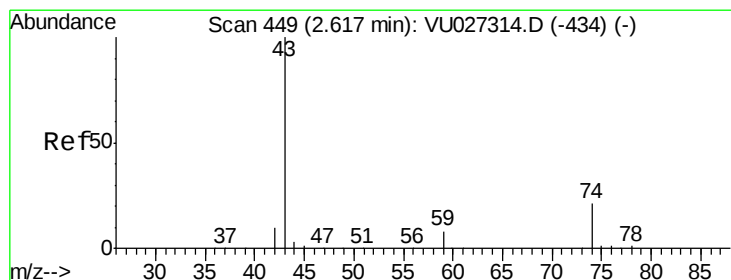
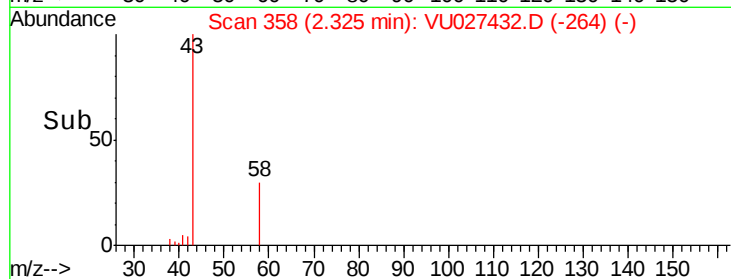
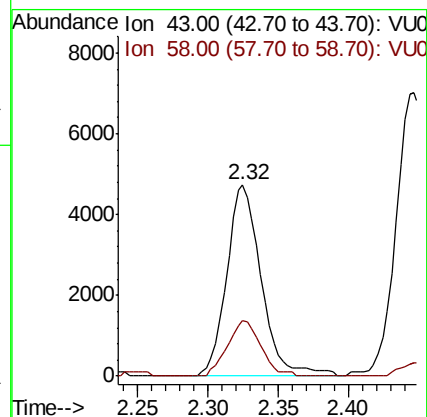
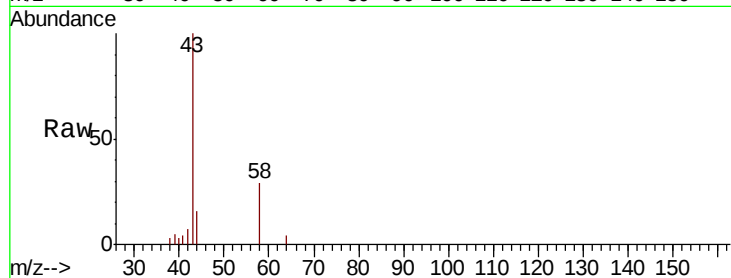
EP1-RB-092718

Tgt Ion: 43 Resp: 8119

Ion Ratio Lower Upper

43 100

58 29.1 24.2 36.4



#18

Methyl Acetate

Concen: 0.297 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU027432.D

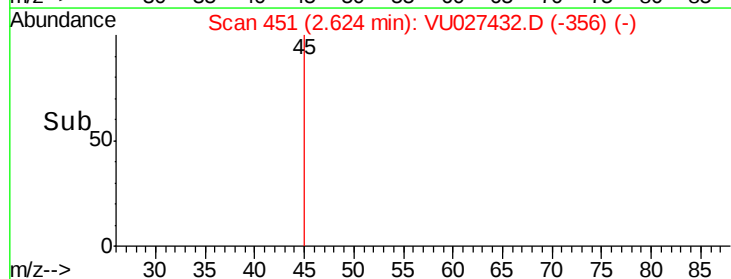
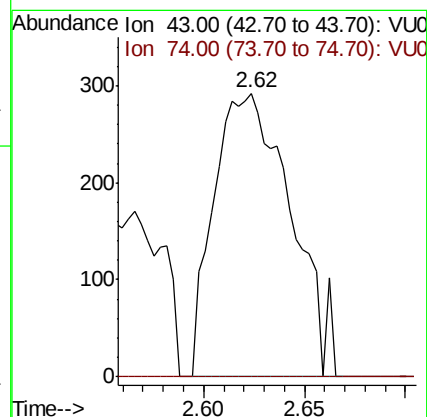
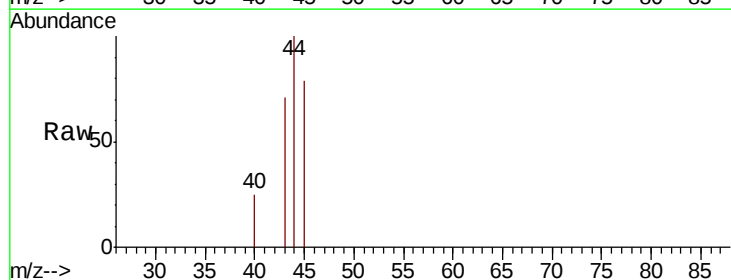
Acq: 05 Oct 2018 00:40

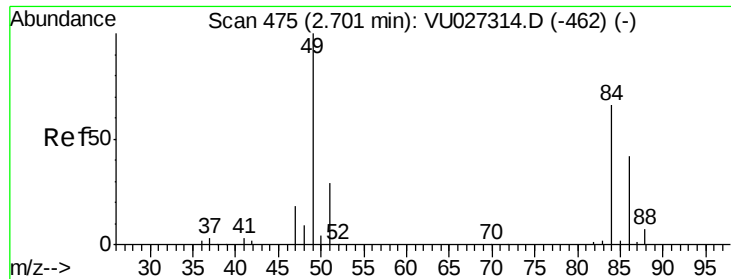
Tgt Ion: 43 Resp: 774

Ion Ratio Lower Upper

43 100

74 0.0 16.5 24.7#

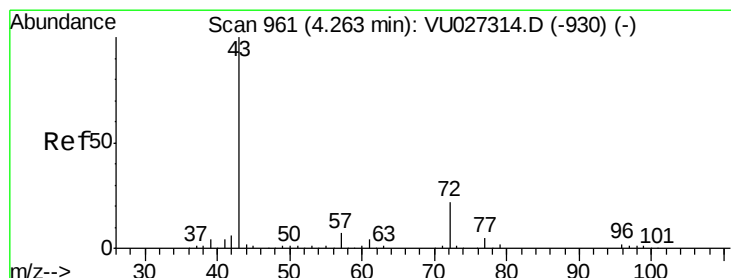
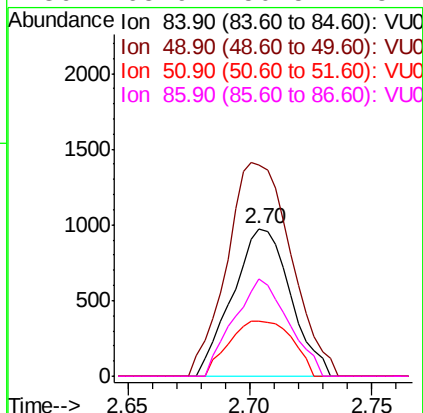
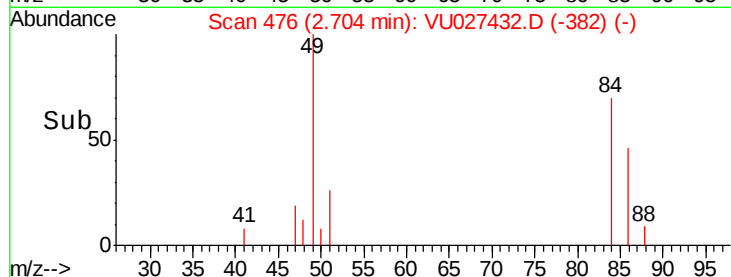
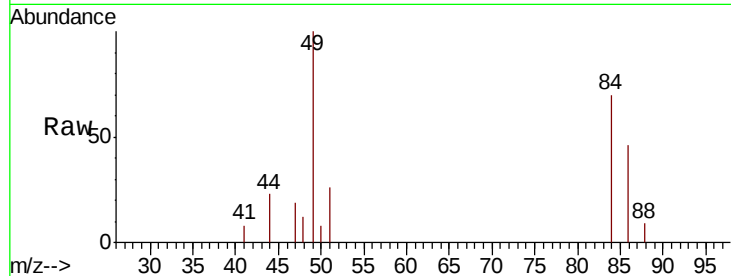




#20
Methylene Chloride
Concen: 1.009 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027432.D
Acq: 05 Oct 2018 00:40

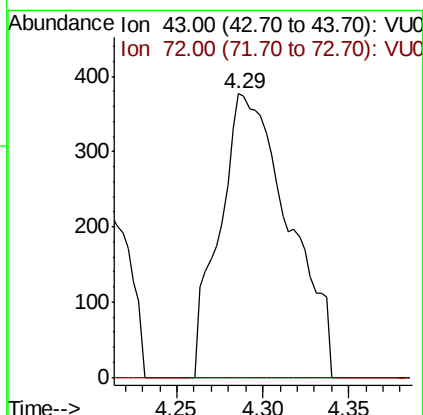
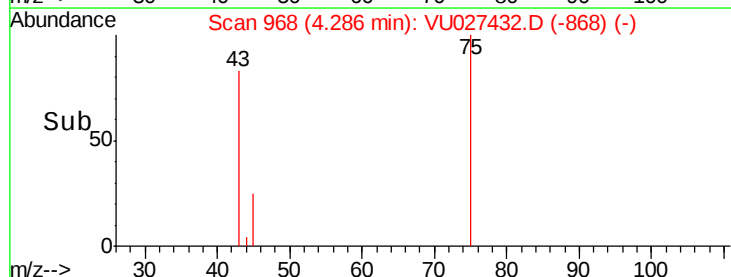
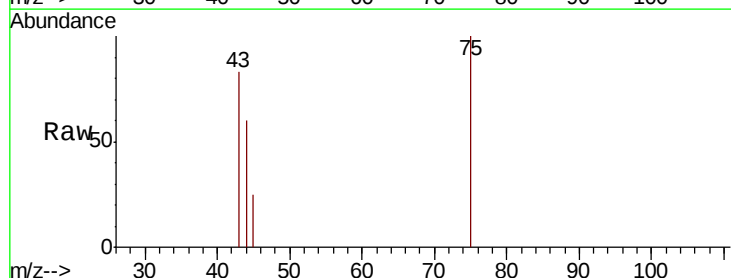
Instrument :
MSVOA_U
ClientSampleId :
EP1-RB-092718

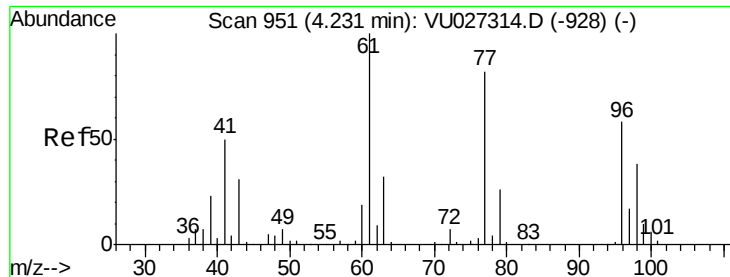
Tgt Ion:	84	Resp:	1607
Ion	Ratio	Lower	Upper
84	100		
49	143.5	120.5	180.7
51	37.2	35.1	52.7
86	65.9	50.5	75.7



#25
2-Butanone
Concen: 0.679 ug/l
RT: 4.29 min Scan# 968
Delta R.T. 0.02 min
Lab File: VU027432.D
Acq: 05 Oct 2018 00:40

Tgt Ion:	43	Resp:	1059
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.8	26.6#

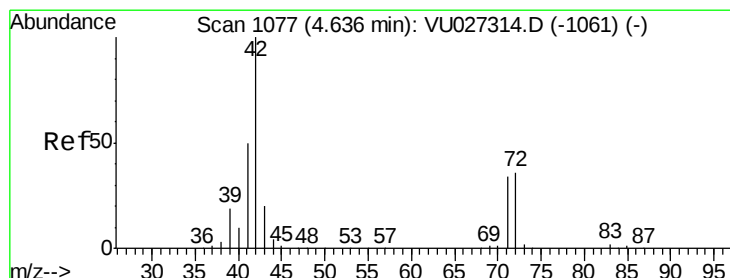
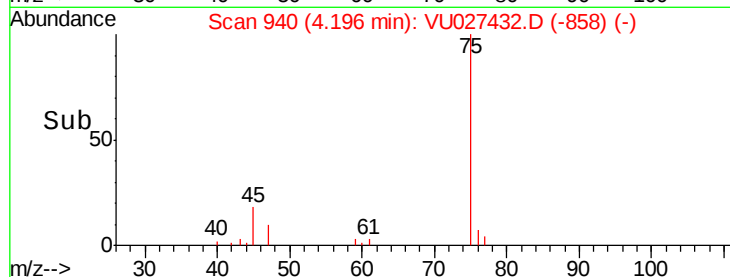
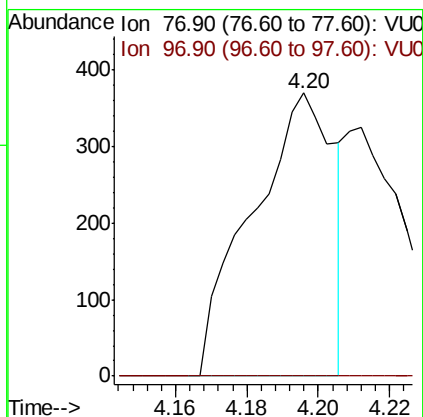
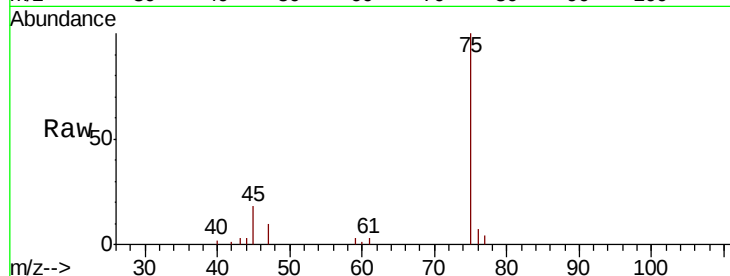




#26
 2,2-Dichloropropane
 Concen: 0.235 ug/l
 RT: 4.20 min Scan# 940
 Delta R.T. -0.04 min
 Lab File: VU027432.D
 Acq: 05 Oct 2018 00:40

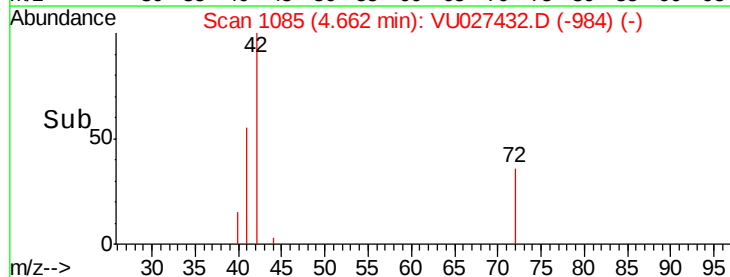
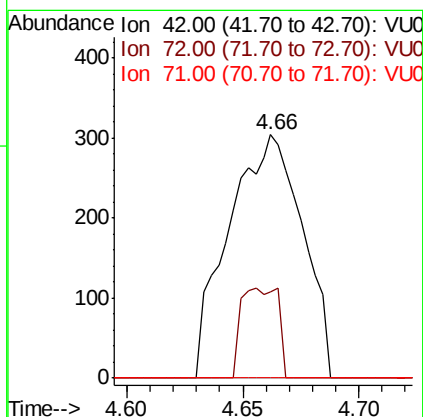
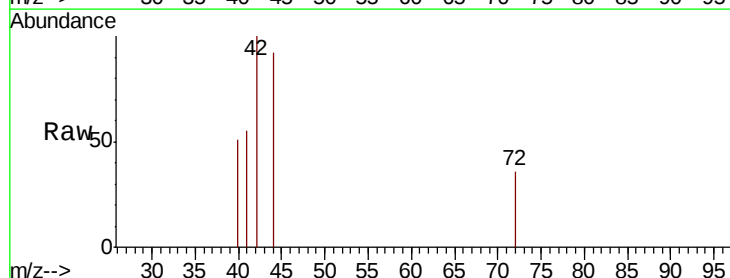
Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-RB-092718

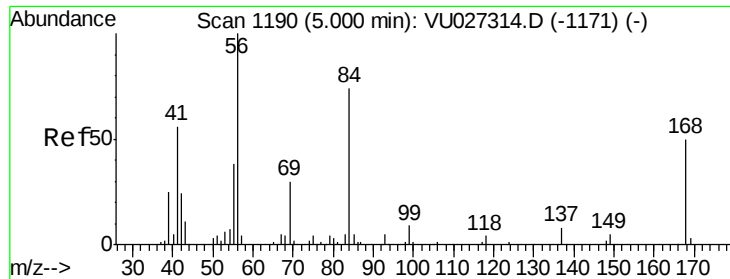
Tgt Ion: 77 Resp: 587
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.4 31.1#



#29
 Tetrahydrofuran
 Concen: 0.682 ug/l
 RT: 4.66 min Scan# 1085
 Delta R.T. 0.03 min
 Lab File: VU027432.D
 Acq: 05 Oct 2018 00:40

Tgt Ion: 42 Resp: 670
 Ion Ratio Lower Upper
 42 100
 72 18.7 30.1 45.1#
 71 0.0 27.7 41.5#

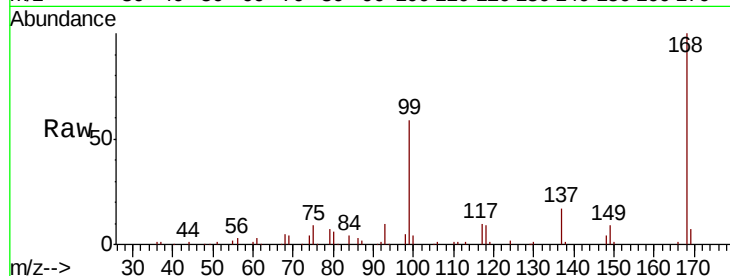




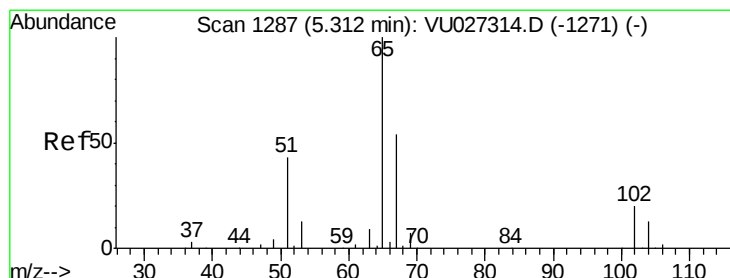
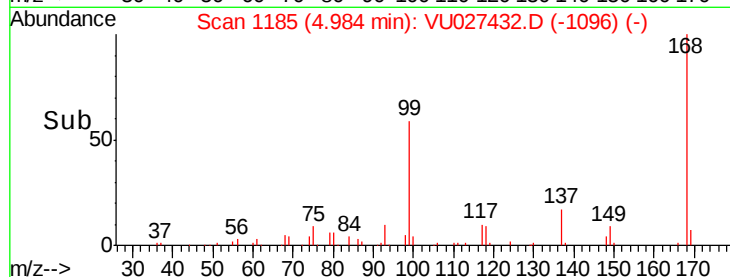
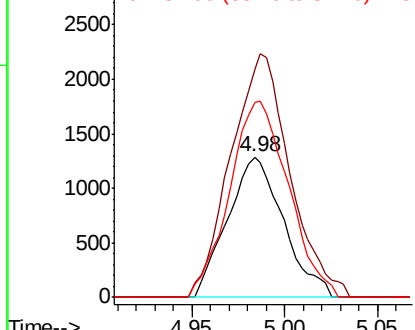
#31
Cyclohexane
Concen: 0.636 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027432.D
Acq: 05 Oct 2018 00:40

Instrument :
MSVOA_U
ClientSampleId :
EP1-RB-092718

Tgt Ion: 56 Resp: 2702
Ion Ratio Lower Upper
56 100
69 162.9 24.1 36.1#
84 138.9 59.1 88.7#

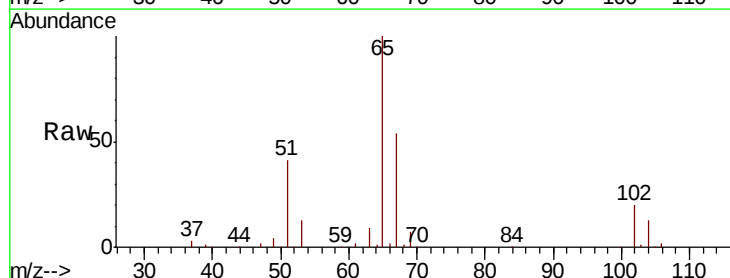


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

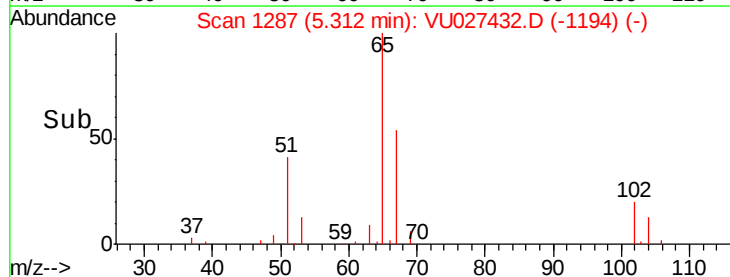
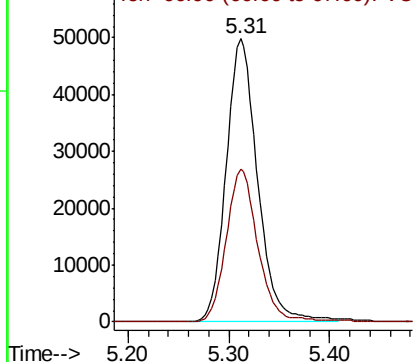


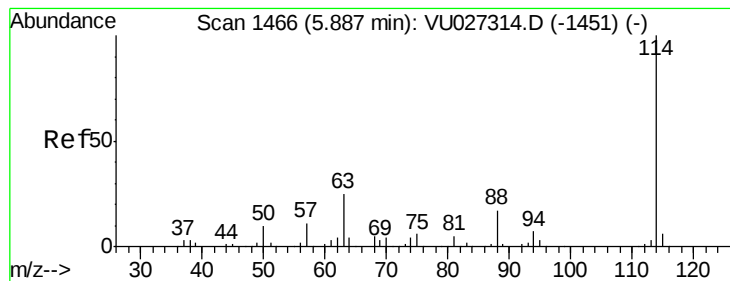
#33
1,2-Dichloroethane-d4
Concen: 55.944 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027432.D
Acq: 05 Oct 2018 00:40

Tgt Ion: 65 Resp: 108284
Ion Ratio Lower Upper
65 100
67 54.5 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: VU027432.D

Acq: 05 Oct 2018 00:40

Instrument :

MSVOA_U

ClientSampleId :

EP1-RB-092718

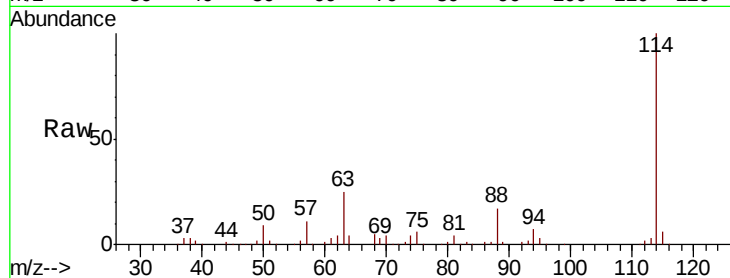
Tgt Ion:114 Resp: 201828

Ion Ratio Lower Upper

114 100

63 24.5 0.0 50.2

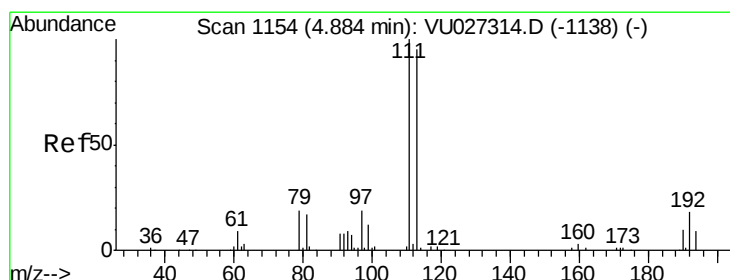
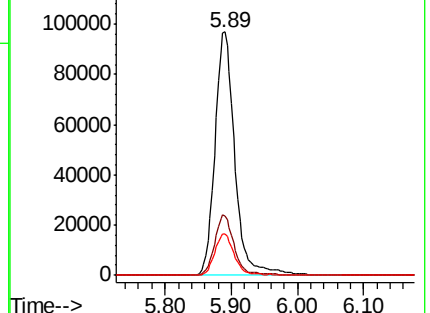
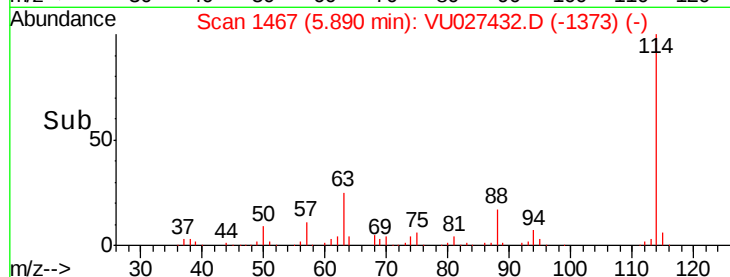
88 17.0 0.0 33.8



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: 57.699 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027432.D

Acq: 05 Oct 2018 00:40

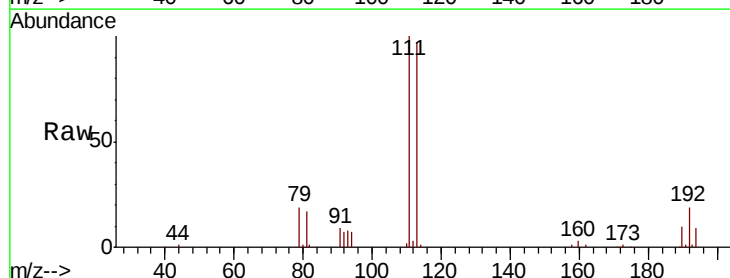
Tgt Ion:113 Resp: 79809

Ion Ratio Lower Upper

113 100

111 102.6 83.1 124.7

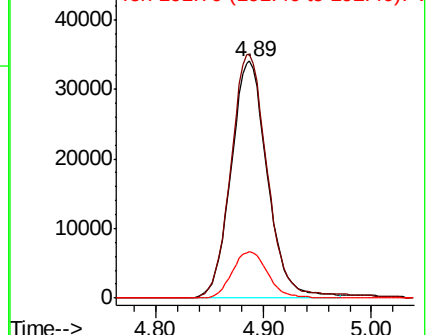
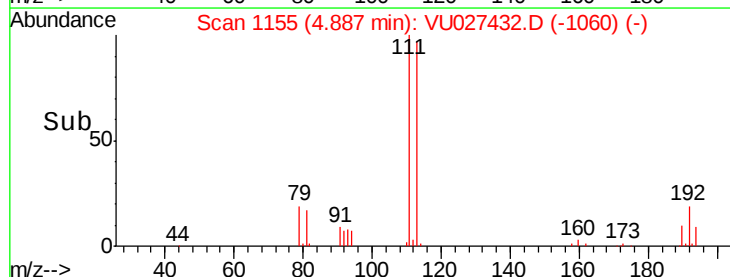
192 19.3 15.4 23.0

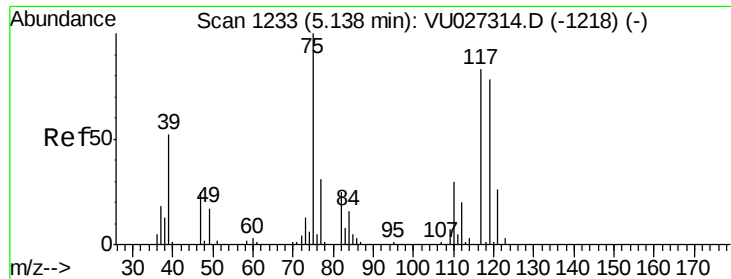


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

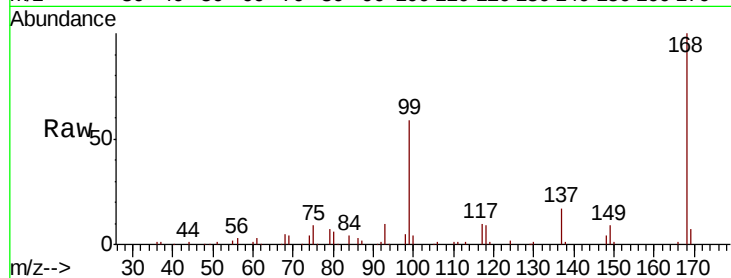




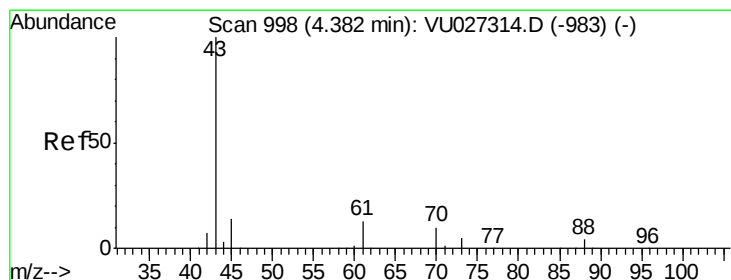
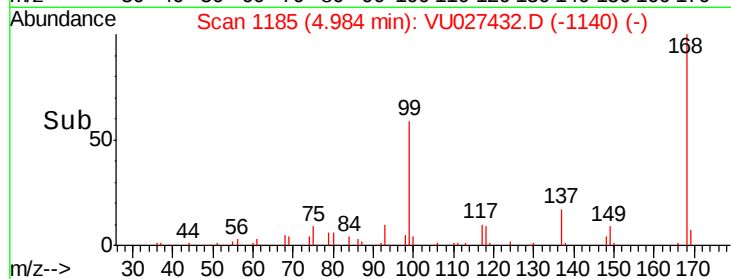
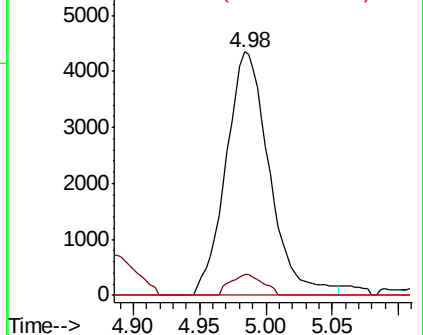
#36
 1,1-Dichloropropene
 Concen: 4.516 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027432.D
 Acq: 05 Oct 2018 00:40

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-RB-092718

Tgt Ion: 75 Resp: 9896
 Ion Ratio Lower Upper
 75 100
 110 6.5 15.5 46.5#
 77 0.0 25.4 38.0#

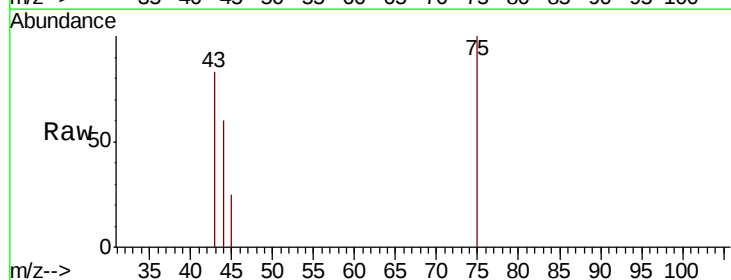


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

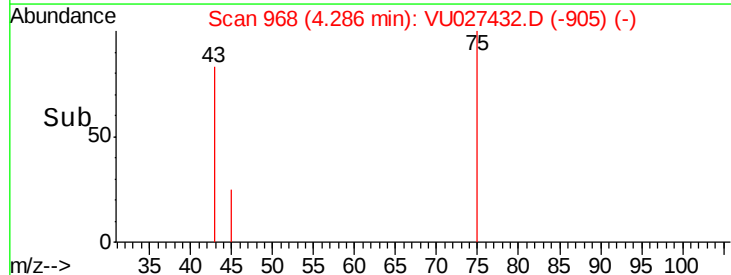
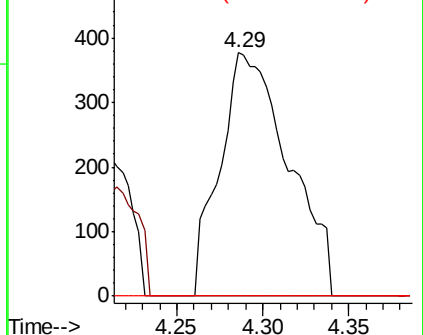


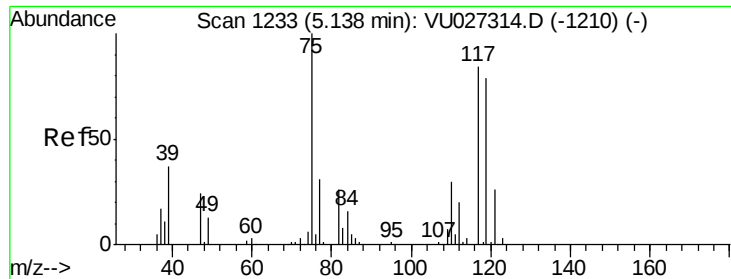
#37
 Ethyl Acetate
 Concen: 0.374 ug/l
 RT: 4.29 min Scan# 968
 Delta R.T. -0.10 min
 Lab File: VU027432.D
 Acq: 05 Oct 2018 00:40

Tgt Ion: 43 Resp: 1059
 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): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0





#38

Carbon Tetrachloride

Concen: 6.009 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027432.D

Acq: 05 Oct 2018 00:40

Instrument :

MSVOA_U

ClientSampleId :

EP1-RB-092718

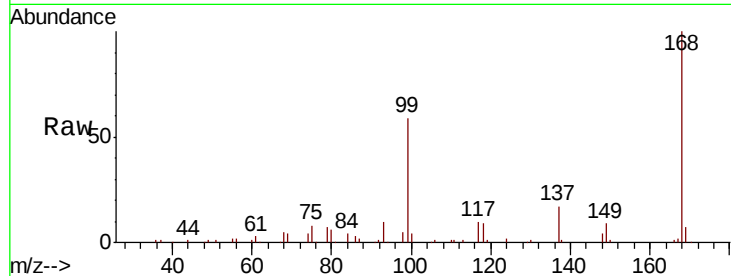
Tgt Ion:117 Resp: 11894

Ion Ratio Lower Upper

117 100

119 5.5 74.5 111.7#

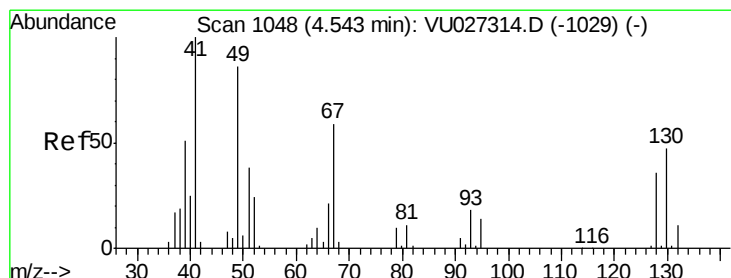
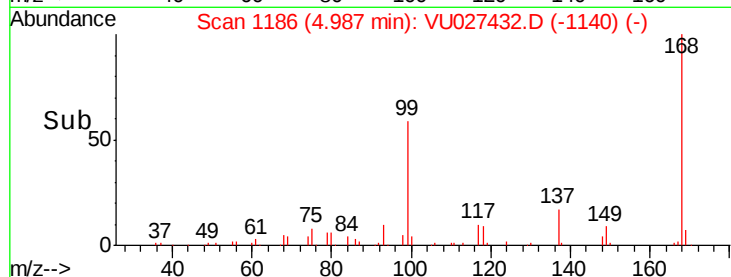
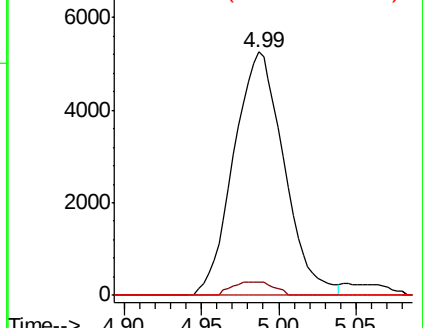
121 0.0 24.6 37.0#



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



#41

Methacrylonitrile

Concen: 0.234 ug/l

RT: 4.65 min Scan# 1082

Delta R.T. 0.11 min

Lab File: VU027432.D

Acq: 05 Oct 2018 00:40

Tgt Ion: 41 Resp: 374

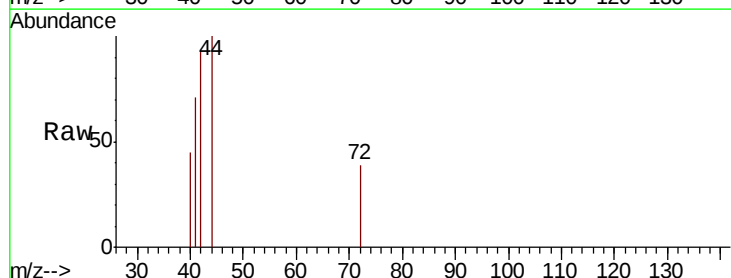
Ion Ratio Lower Upper

41 100

39 5.3 41.1 61.7#

67 0.0 50.4 75.6#

52 0.0 20.3 30.5#

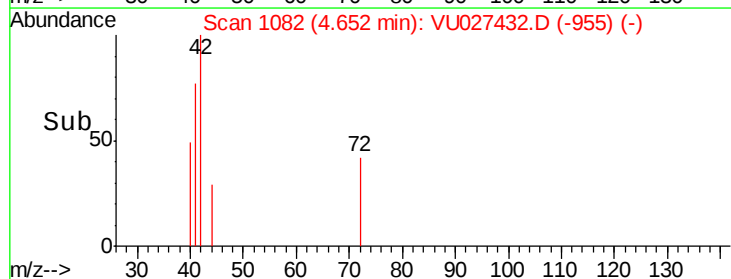
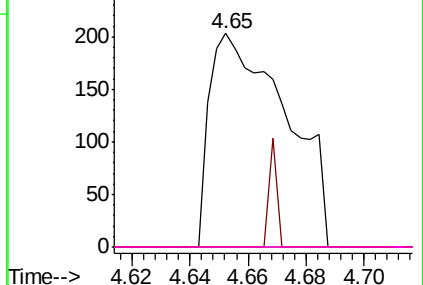


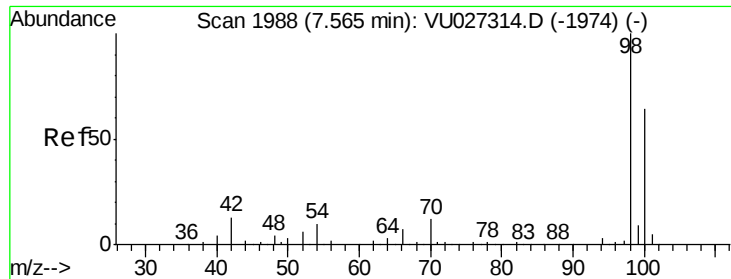
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

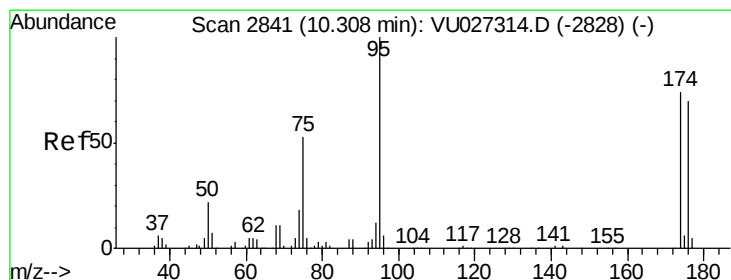
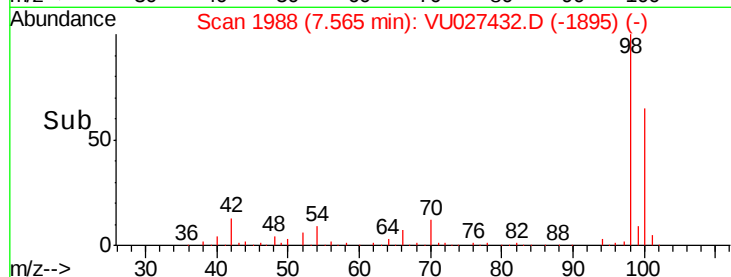
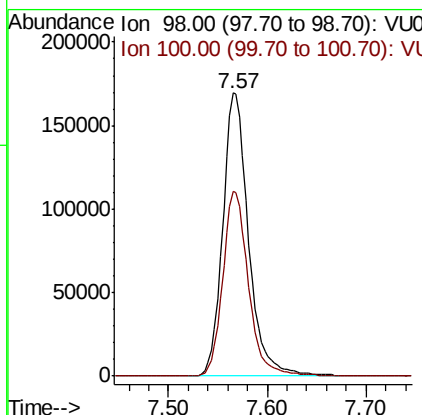
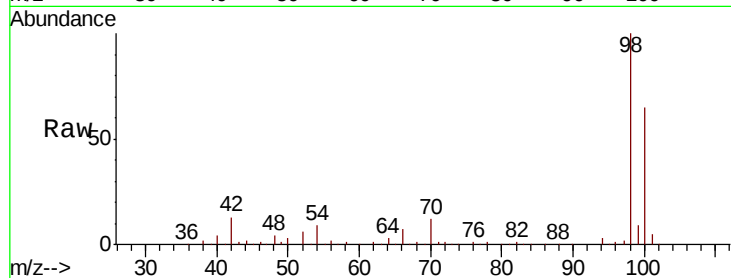




#50
Toluene-d8
Concen: 59.845 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027432.D
Acq: 05 Oct 2018 00:40

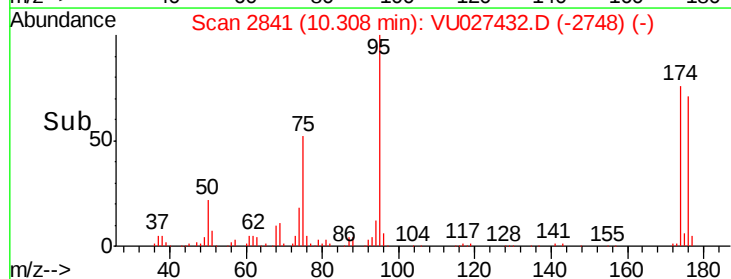
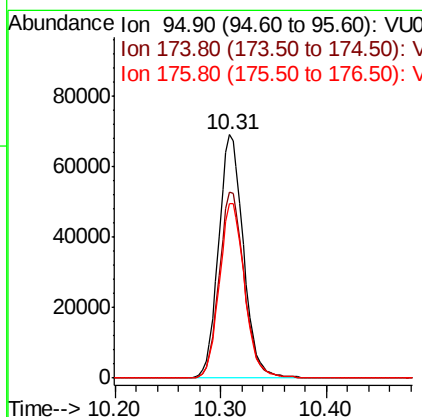
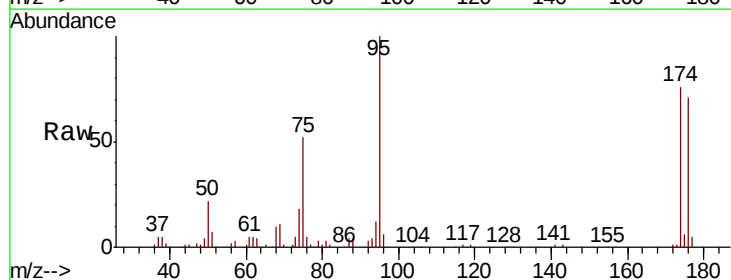
Instrument :
MSVOA_U
ClientSampleId :
EP1-RB-092718

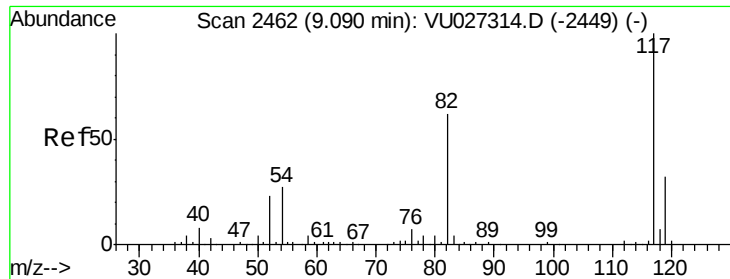
Tgt Ion: 98 Resp: 309806
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 58.499 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027432.D
Acq: 05 Oct 2018 00:40

Tgt Ion: 95 Resp: 112548
Ion Ratio Lower Upper
95 100
174 77.0 0.0 147.8
176 72.7 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027432.D

Acq: 05 Oct 2018 00:40

Instrument :

MSVOA_U

ClientSampleId :

EP1-RB-092718

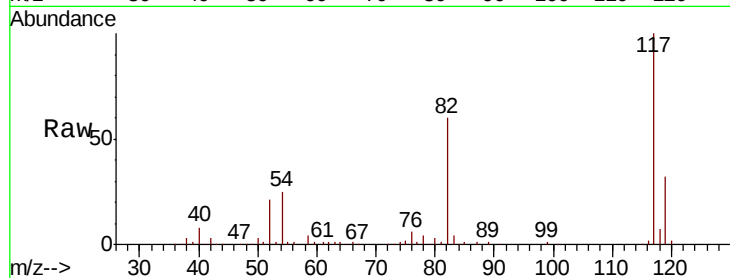
Tgt Ion:117 Resp: 195076

Ion Ratio Lower Upper

117 100

82 60.2 49.2 73.8

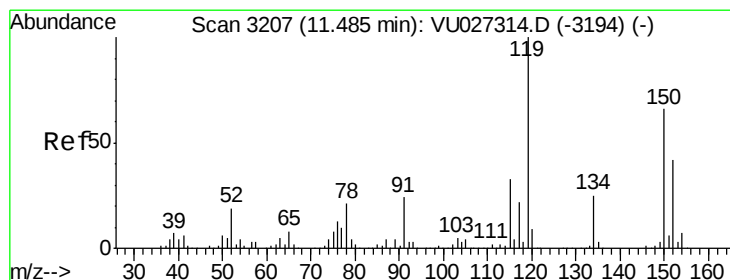
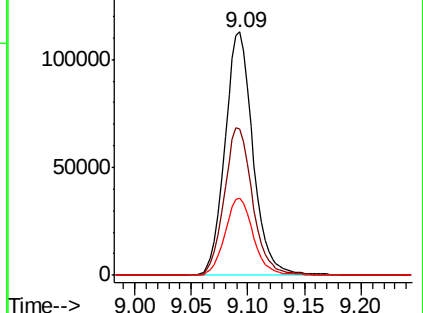
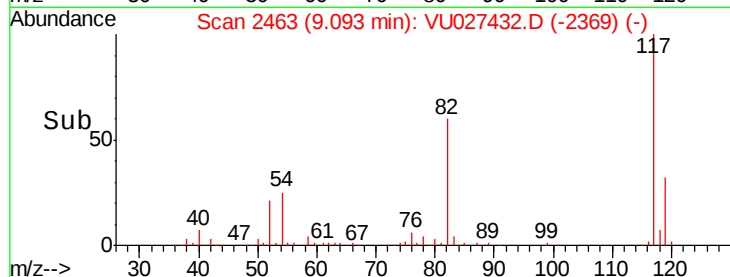
119 31.6 25.7 38.5



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: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027432.D

Acq: 05 Oct 2018 00:40

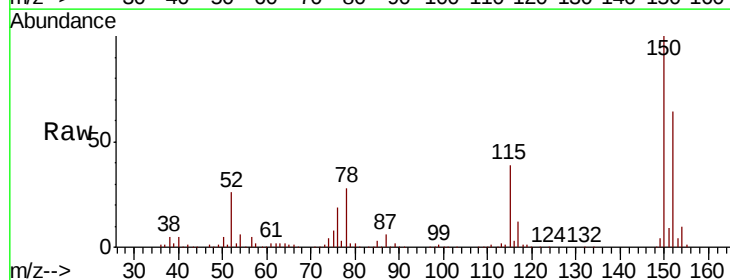
Tgt Ion:152 Resp: 108929

Ion Ratio Lower Upper

152 100

115 60.7 43.4 130.2

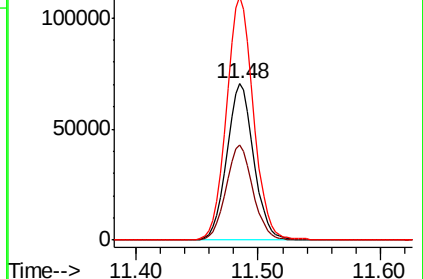
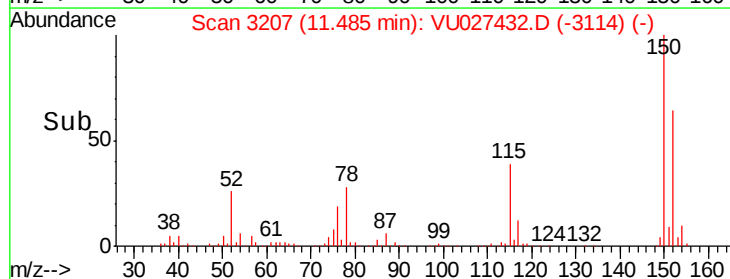
150 155.6 0.0 349.2

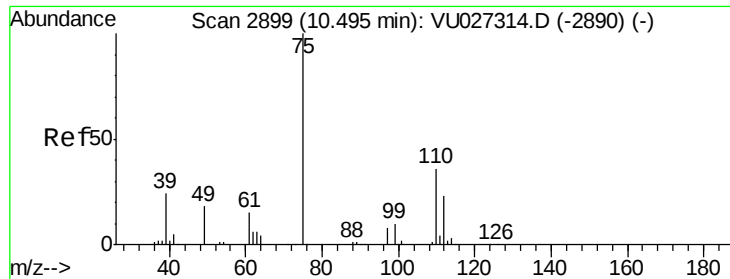


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 20.800 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027432.D

Acq: 05 Oct 2018 00:40

Instrument :

MSVOA_U

ClientSampleId :

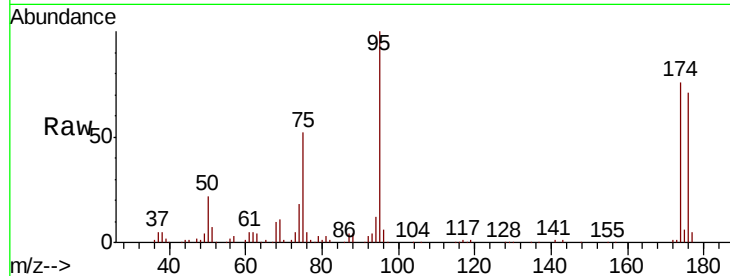
EP1-RB-092718

Tgt Ion: 75 Resp: 58732

Ion Ratio Lower Upper

75 100

77 1.3 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.31

40000

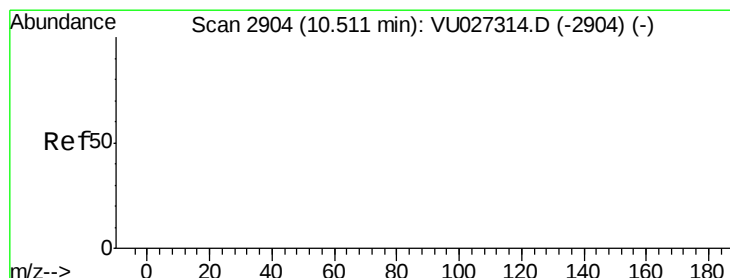
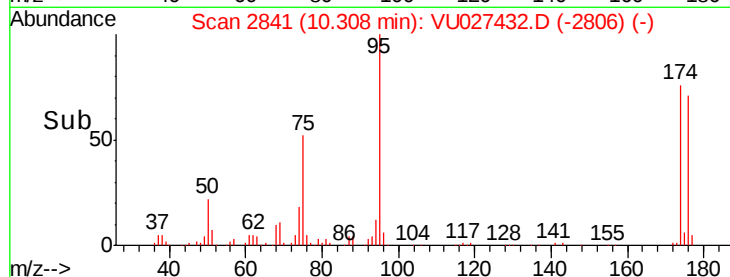
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 54.435 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027432.D

Acq: 05 Oct 2018 00:40

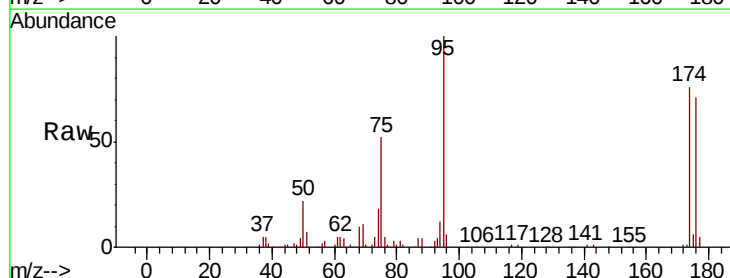
Tgt Ion: 75 Resp: 58732

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

10.31

50000

40000

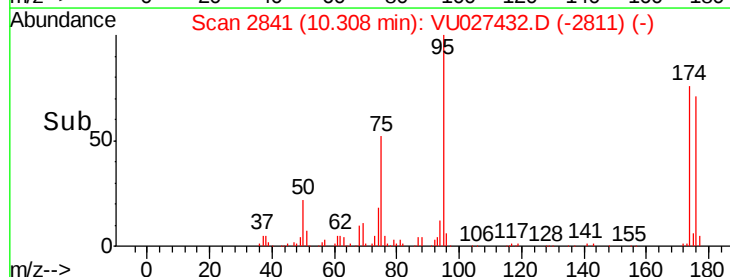
30000

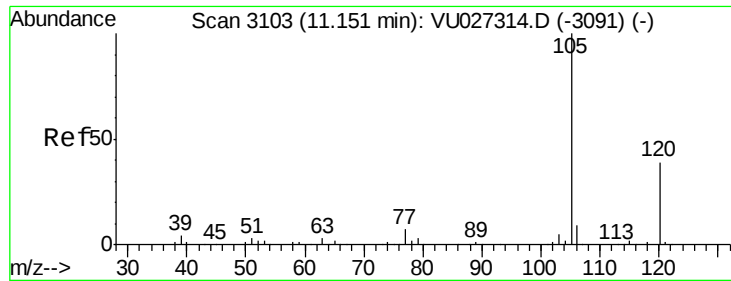
20000

10000

0

Time-->

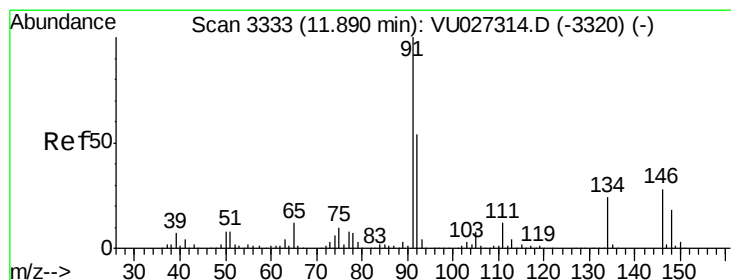
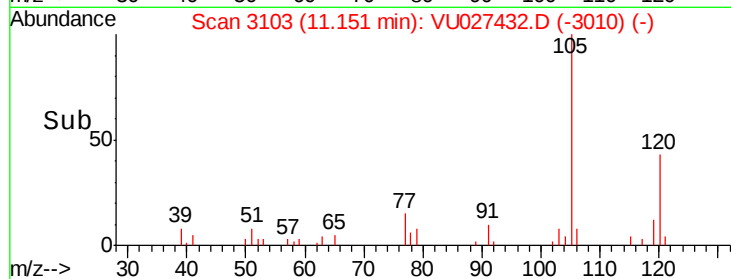
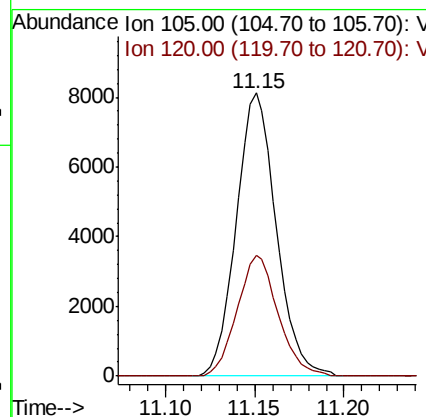
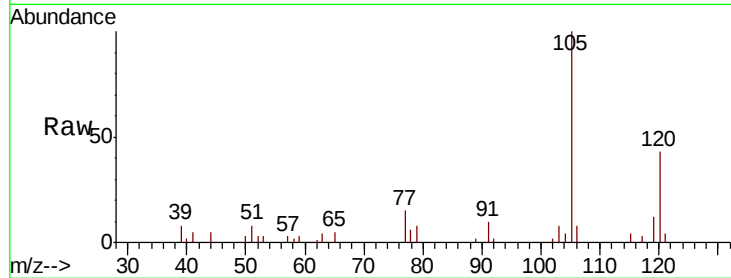




#84
 1,2,4-Trimethylbenzene
 Concen: 1.919 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027432.D
 Acq: 05 Oct 2018 00:40

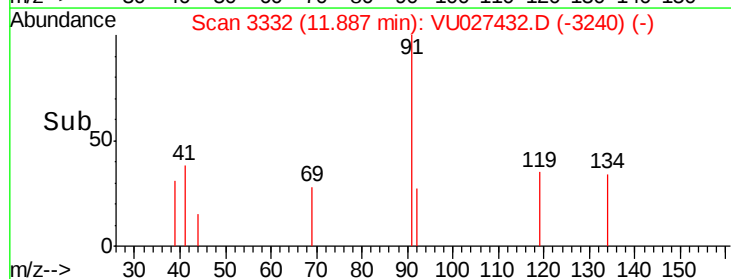
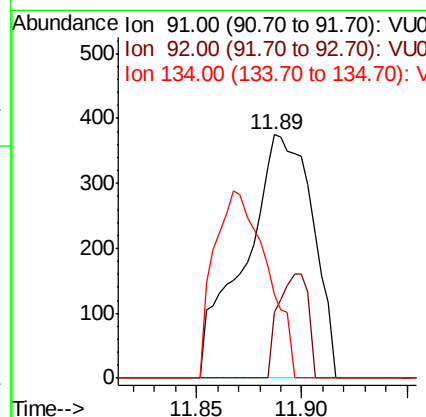
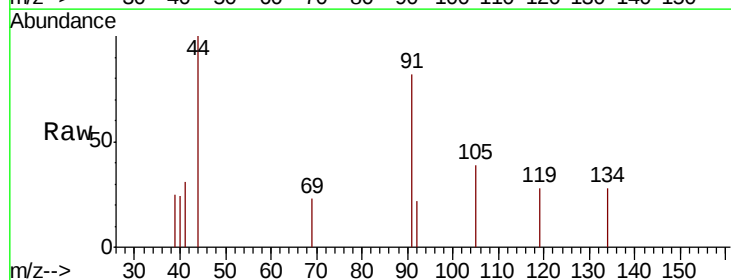
Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-RB-092718

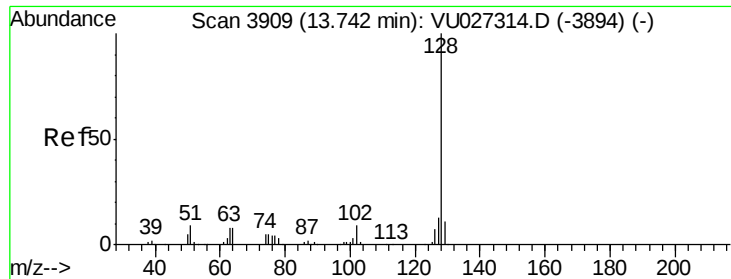
Tgt Ion: 105 Resp: 12627
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.1 66.5



#89
 n-Butylbenzene
 Concen: 2.063 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VU027432.D
 Acq: 05 Oct 2018 00:40

Tgt Ion: 91 Resp: 839
 Ion Ratio Lower Upper
 91 100
 92 18.8 27.0 81.0#
 134 0.0 11.7 35.1#





#95

Naphthalene

Concen: 1.704 ug/l

RT: 13.76 min Scan# 3914

Delta R.T. 0.02 min

Lab File: VU027432.D

Acq: 05 Oct 2018 00:40

Instrument :

MSVOA_U

ClientSampleId :

EP1-RB-092718

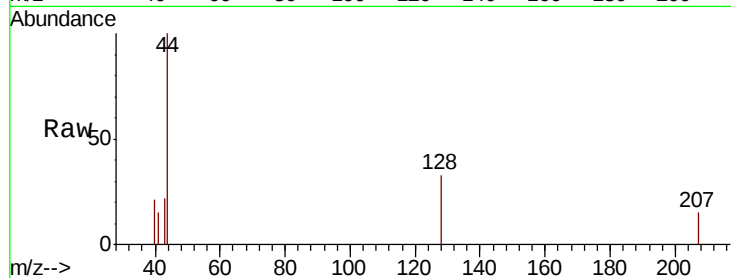
Tgt Ion:128 Resp: 373

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

