

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
 Data File : VU027571.D
 Acq On : 10 Oct 2018 15:36
 Operator : MD/SY
 Sample : PB113684ZHE#15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB113684ZHE#15

Quant Time: Oct 11 04:04:47 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

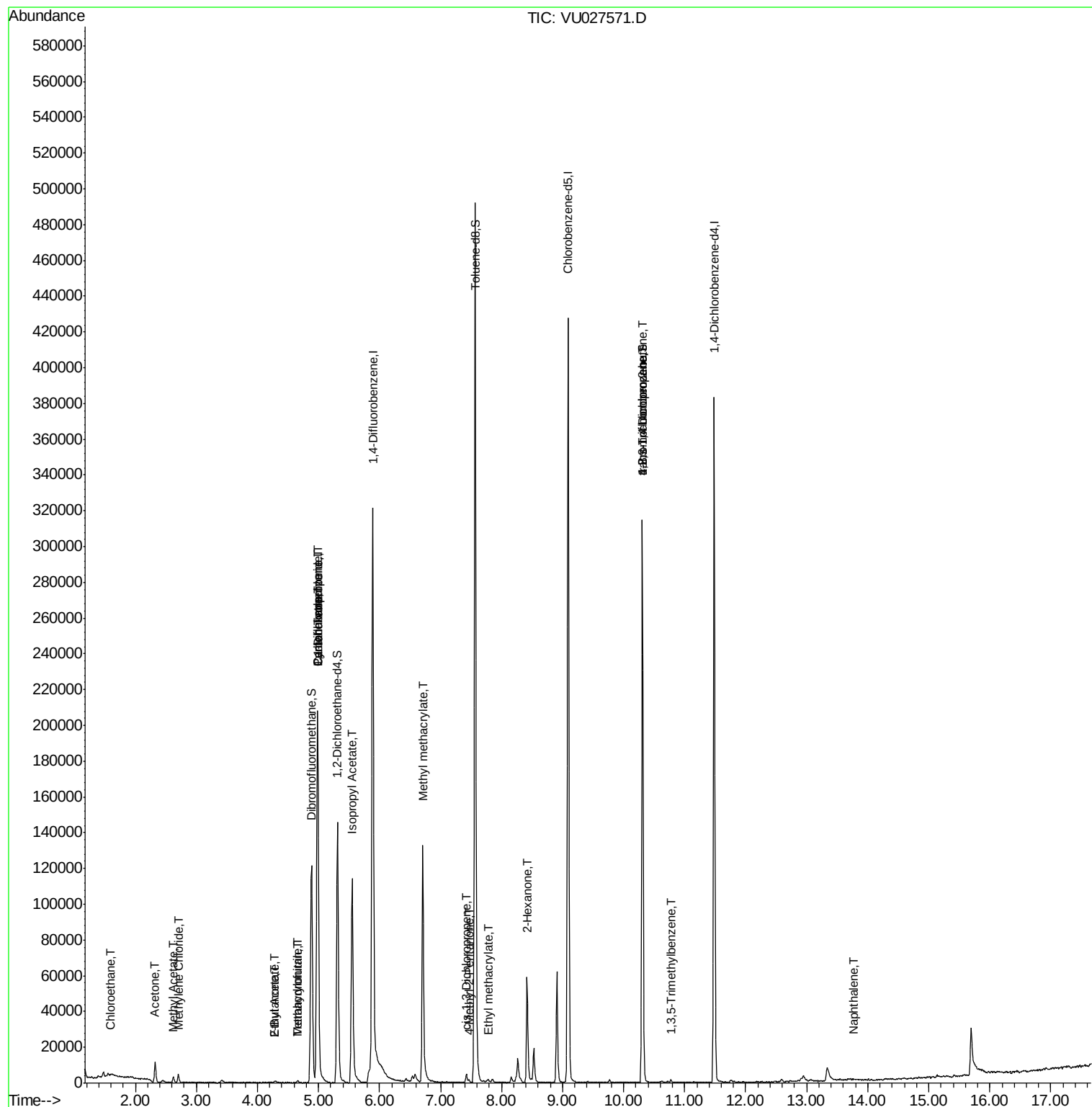
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	162569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	269362	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	231308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	96751	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	113913	41.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.92%	
35) Dibromofluoromethane	4.89	113	85895	46.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.06%	
50) Toluene-d8	7.57	98	333154	48.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	10.31	95	106089	41.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.64%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.59	64	2346	1.309	ug/l #	44
16) Acetone	2.32	43	12208	7.612	ug/l	99
18) Methyl Acetate	2.62	43	3716	1.016	ug/l	94
20) Methylene Chloride	2.70	84	2001	0.896	ug/l	88
25) 2-Butanone	4.29	43	2020	0.924	ug/l	99
29) Tetrahydrofuran	4.66	42	867	0.629	ug/l #	72
31) Cyclohexane	4.98	56	3229	0.506	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	13175	4.505	ug/l #	49
37) Ethyl Acetate	4.29	43	2020	0.534	ug/l #	70
38) Carbon Tetrachloride	4.99	117	15352	5.811	ug/l #	17
41) Methacrylonitrile	4.66	41	590	0.276	ug/l #	29
43) Isopropyl Acetate	5.55	43	140710	23.969	ug/l	99
48) Methyl methacrylate	6.71	41	12343	4.228	ug/l #	45
51) 4-Methyl-2-Pentanone	7.47	43	1073	0.281	ug/l #	69
54) cis-1,3-Dichloropropene	7.42	75	805	0.222	ug/l #	73
56) Ethyl methacrylate	7.78	69	934	2.504	ug/l	96
59) 2-Hexanone	8.42	43	8782	2.968	ug/l #	57
76) 1,2,3-Trichloropropane	10.31	75	54122	21.580	ug/l #	37
80) 1,3,5-Trimethylbenzene	10.78	105	1205	0.211	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.31	75	54122	56.476	ug/l #	100
95) Naphthalene	13.76	128	67	1.669	ug/l #	69

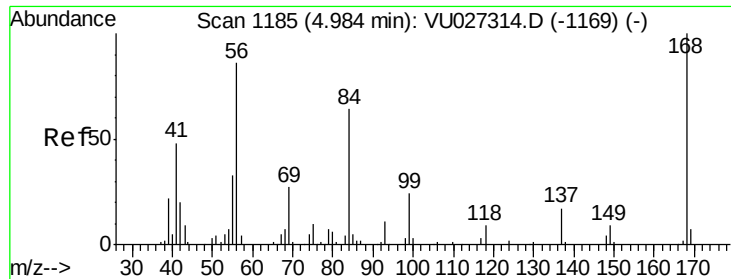
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027571.D

Acq: 10 Oct 2018 15:36

Instrument :

MSVOA_U

ClientSampleId :

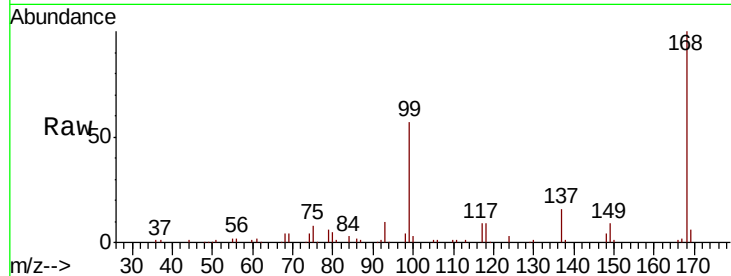
PB113684ZHE#15

Tgt Ion:168 Resp: 162569

Ion Ratio Lower Upper

168 100

99 57.2 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

80000

60000

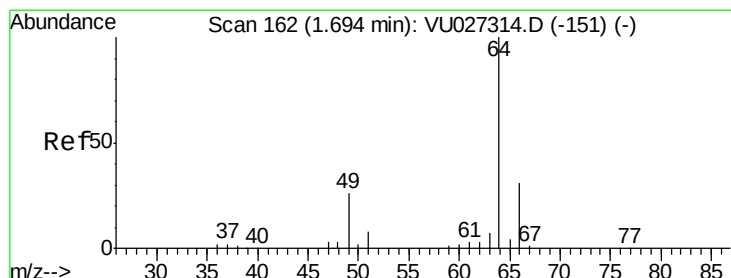
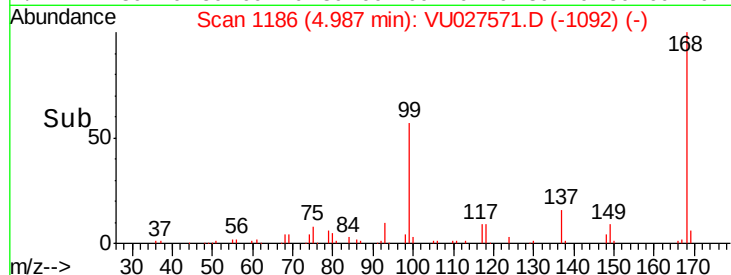
40000

20000

0

4.90 5.00 5.10

Time-->



#6

Chloroethane

Concen: 1.309 ug/l

RT: 1.59 min Scan# 131

Delta R.T. -0.10 min

Lab File: VU027571.D

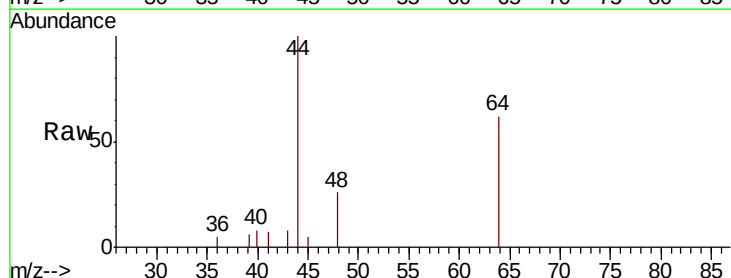
Acq: 10 Oct 2018 15:36

Tgt Ion: 64 Resp: 2346

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027314.D (-151) (-)

1.59

1500

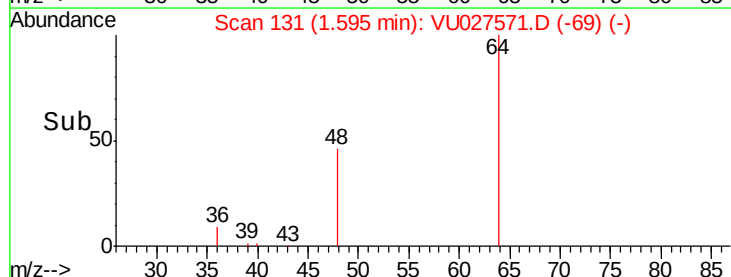
1000

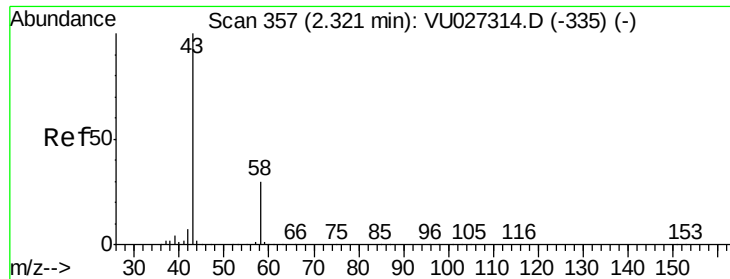
500

0

1.50 1.55 1.60

Time-->





#16

Acetone

Concen: 7.612 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027571.D

Acq: 10 Oct 2018 15:36

Instrument :

MSVOA_U

ClientSampleId :

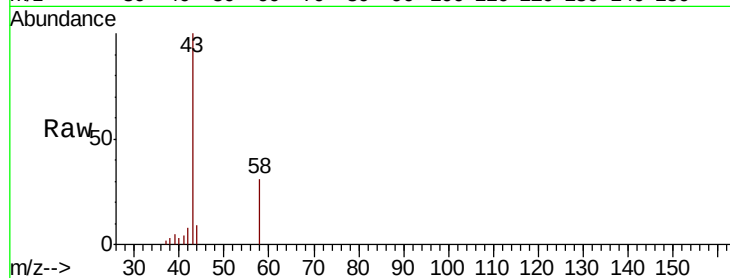
PB113684ZHE#15

Tgt Ion: 43 Resp: 12208

Ion Ratio Lower Upper

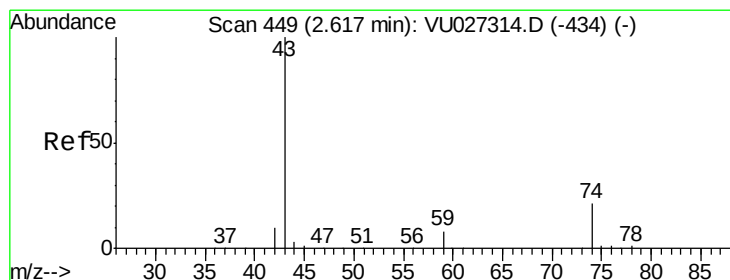
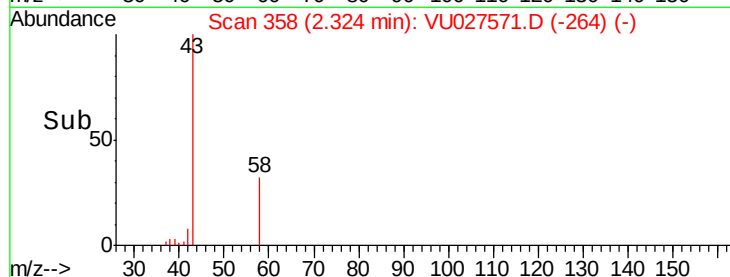
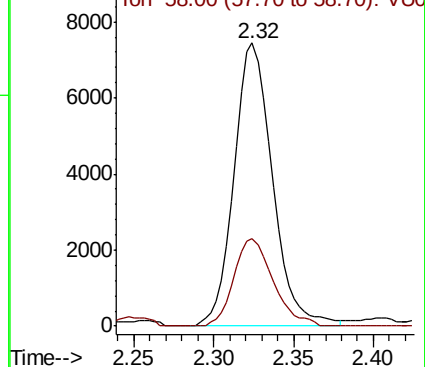
43 100

58 30.7 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: 1.016 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU027571.D

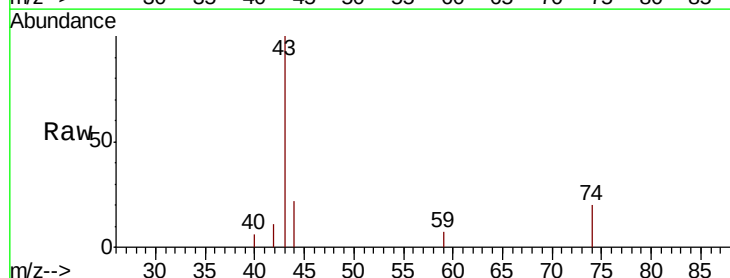
Acq: 10 Oct 2018 15:36

Tgt Ion: 43 Resp: 3716

Ion Ratio Lower Upper

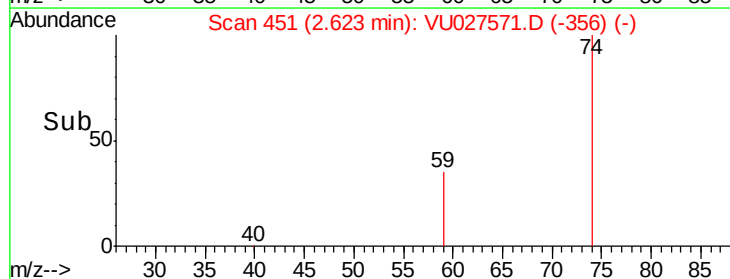
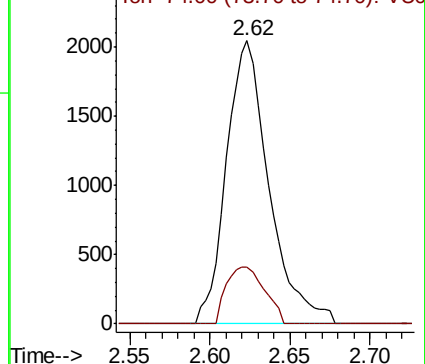
43 100

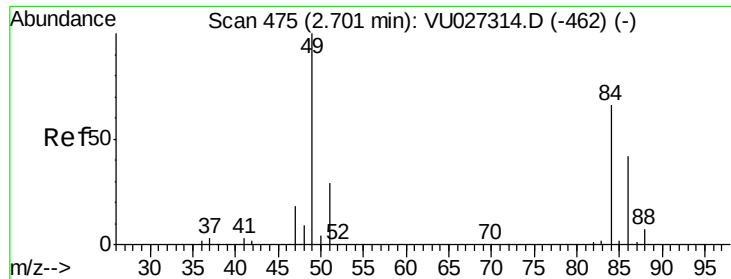
74 18.0 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

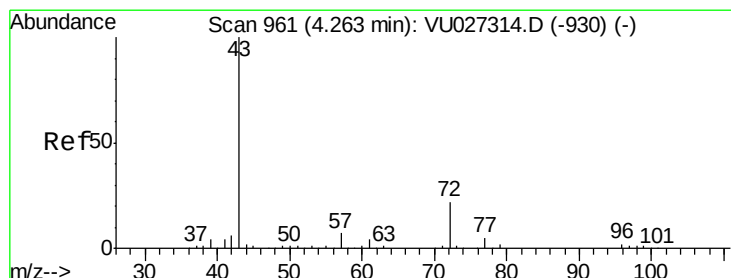
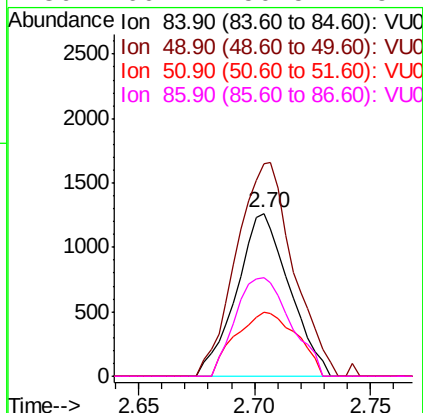
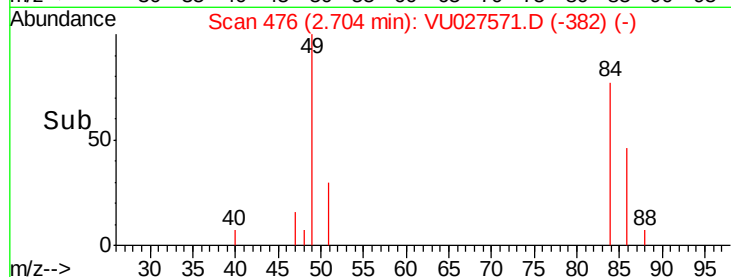
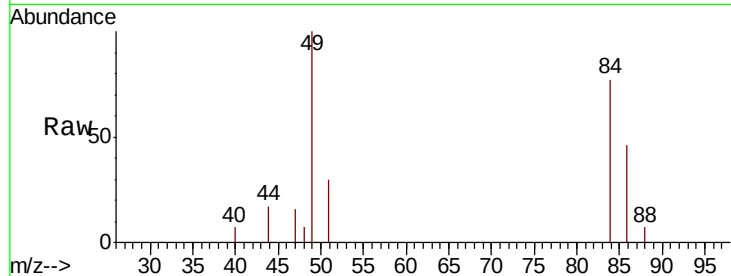




#20
Methylene Chloride
Concen: 0.896 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027571.D
Acq: 10 Oct 2018 15:36

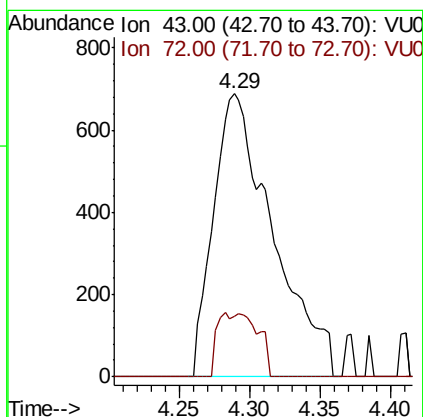
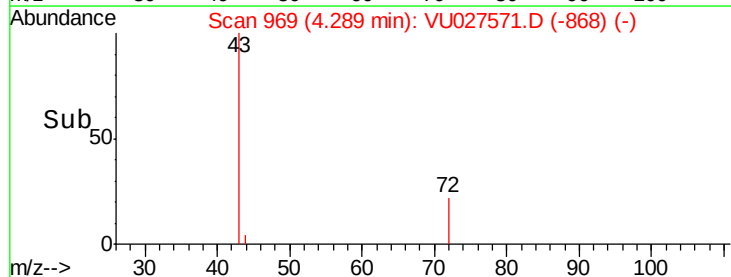
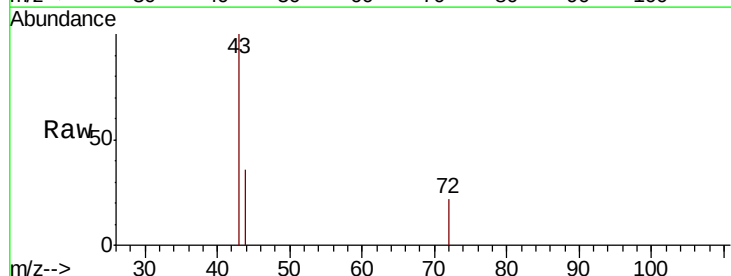
Instrument :
MSVOA_U
ClientSampleId :
PB113684ZHE#15

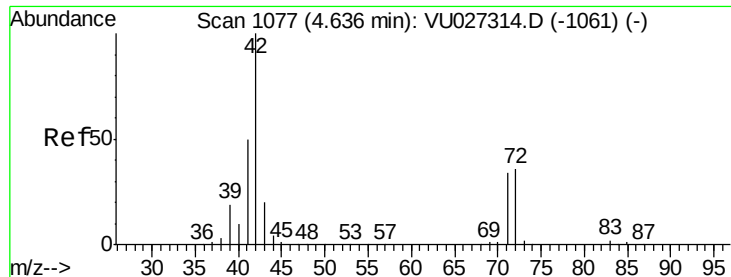
Tgt Ion: 84 Resp: 2001
Ion Ratio Lower Upper
84 100
49 129.9 120.5 180.7
51 39.0 35.1 52.7
86 60.1 50.5 75.7



#25
2-Butanone
Concen: 0.924 ug/l
RT: 4.29 min Scan# 969
Delta R.T. 0.03 min
Lab File: VU027571.D
Acq: 10 Oct 2018 15:36

Tgt Ion: 43 Resp: 2020
Ion Ratio Lower Upper
43 100
72 21.5 17.8 26.6





#29

Tetrahydrofuran

Concen: 0.629 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VU027571.D

Acq: 10 Oct 2018 15:36

Instrument :

MSVOA_U

ClientSampleId :

PB113684ZHE#15

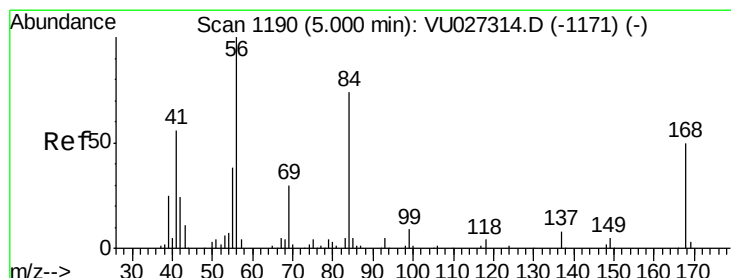
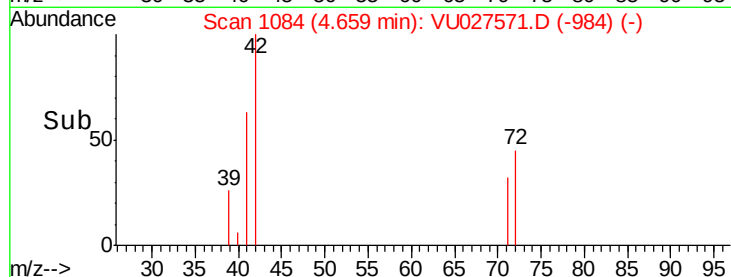
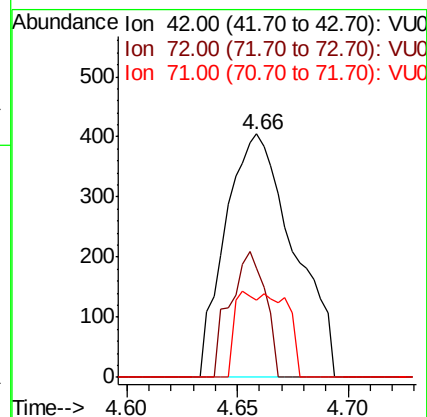
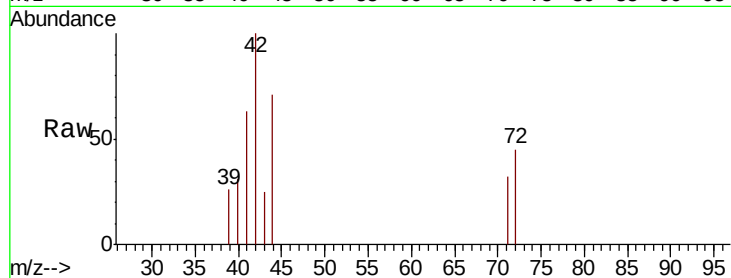
Tgt Ion: 42 Resp: 867

Ion Ratio Lower Upper

42 100

72 26.9 30.1 45.1#

71 11.9 27.7 41.5#



#31

Cyclohexane

Concen: 0.506 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU027571.D

Acq: 10 Oct 2018 15:36

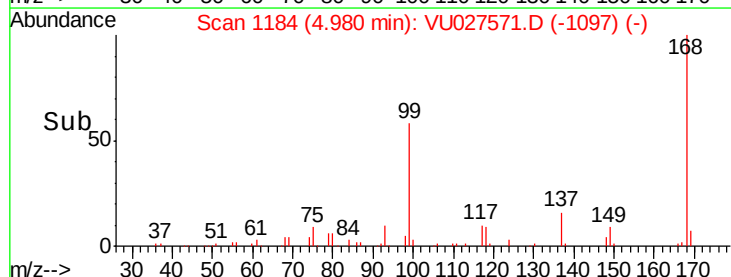
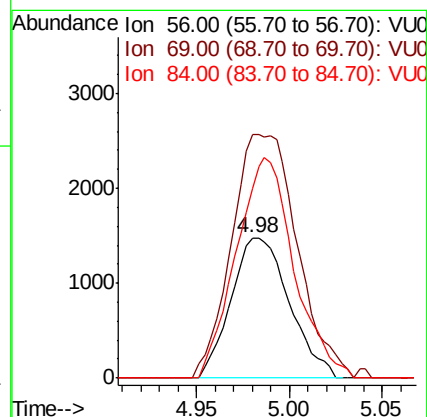
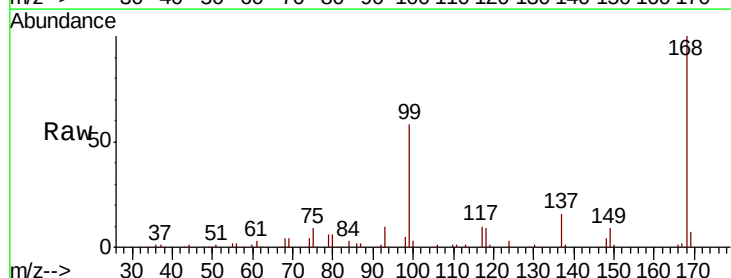
Tgt Ion: 56 Resp: 3229

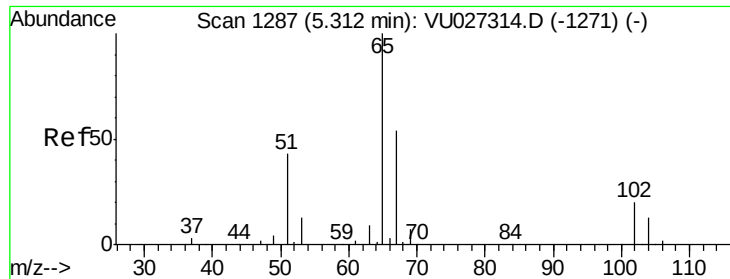
Ion Ratio Lower Upper

56 100

69 173.4 24.1 36.1#

84 135.5 59.1 88.7#

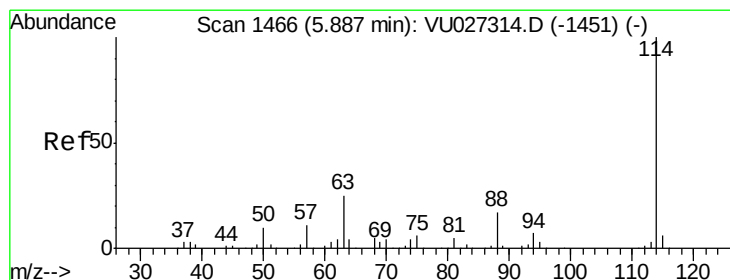
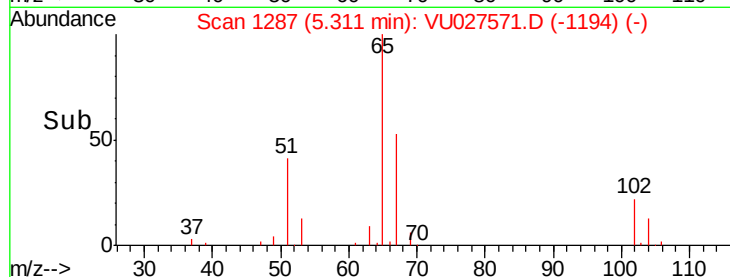
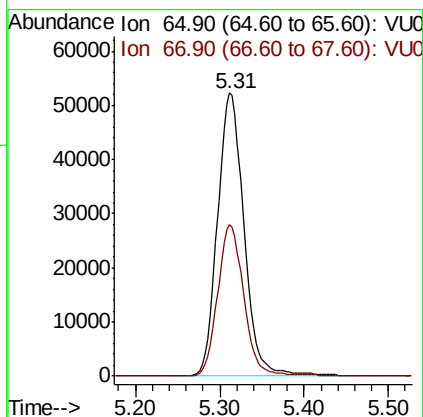
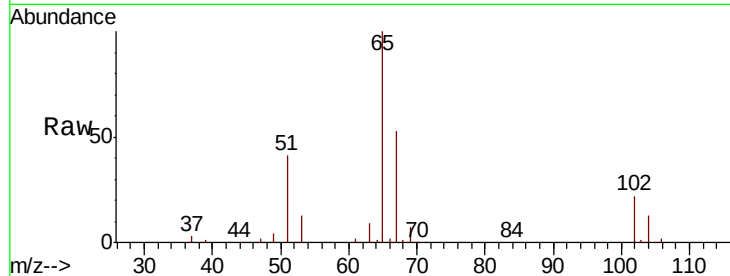




#33
 1,2-Dichloroethane-d4
 Concen: 41.963 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027571.D
 Acq: 10 Oct 2018 15:36

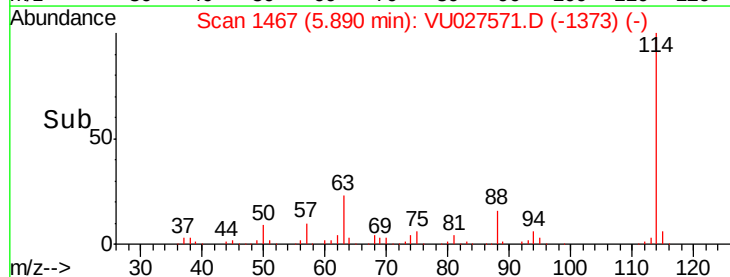
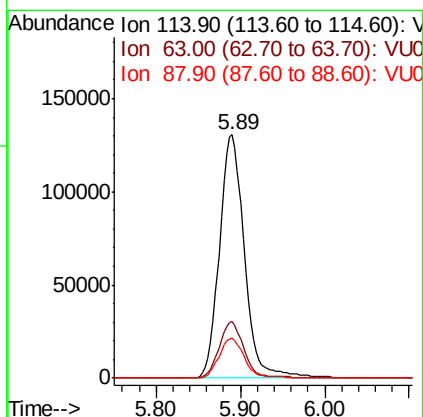
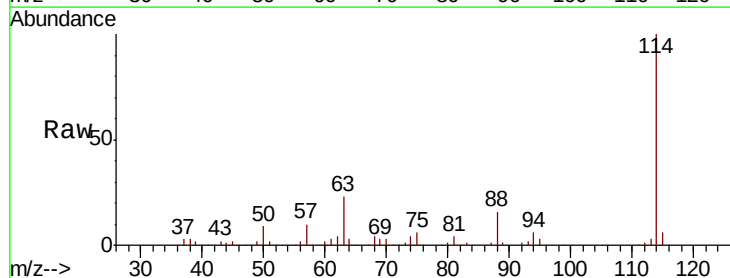
Instrument :
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 PB113684ZHE#15

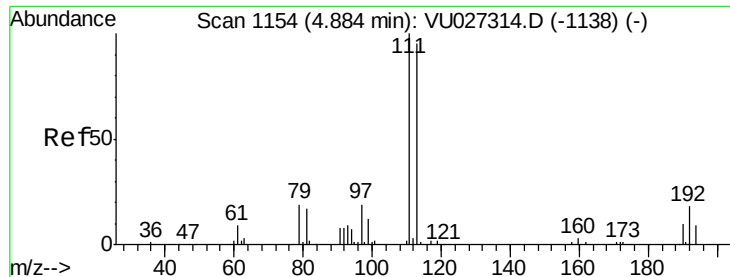
Tgt Ion: 65 Resp: 113913
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027571.D
 Acq: 10 Oct 2018 15:36

Tgt Ion: 114 Resp: 269362
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 50.2
 88 16.3 0.0 33.8

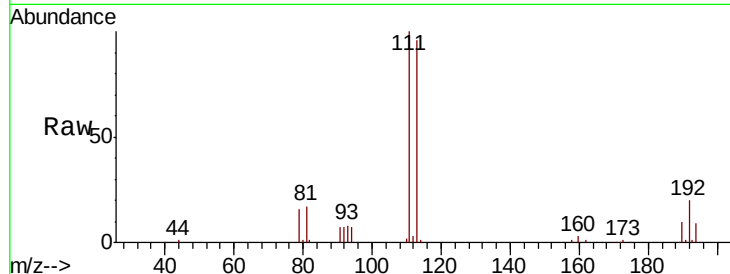




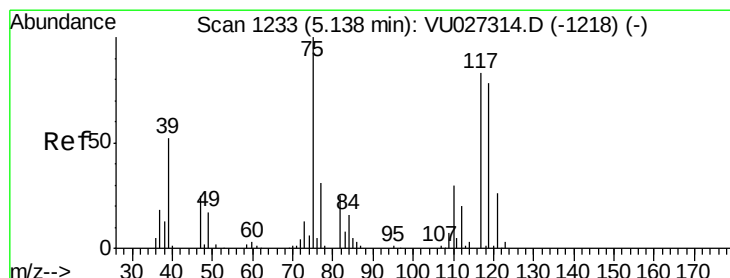
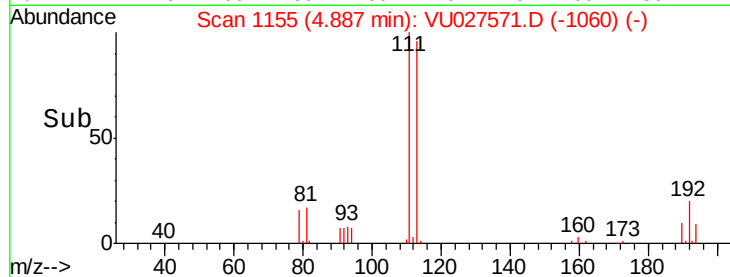
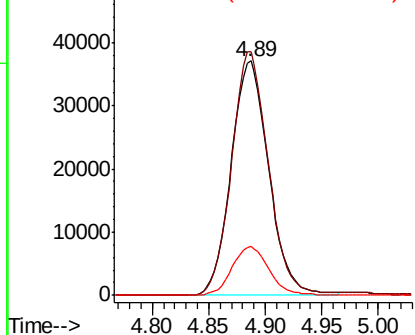
#35
 Dibromofluoromethane
 Concen: 46.530 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027571.D
 Acq: 10 Oct 2018 15:36

Instrument :
 MSVOA_U
 ClientSampleId :
 PB113684ZHE#15

Tgt Ion:113 Resp: 85895
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.1 124.7
 192 20.3 15.4 23.0

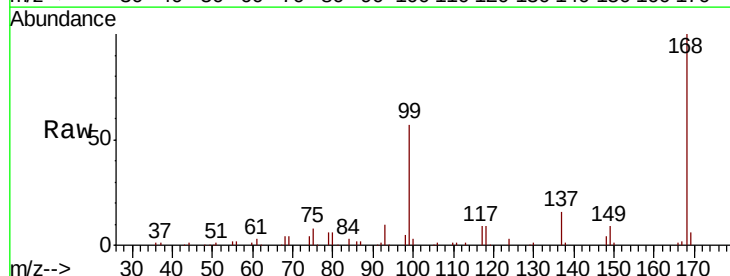


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

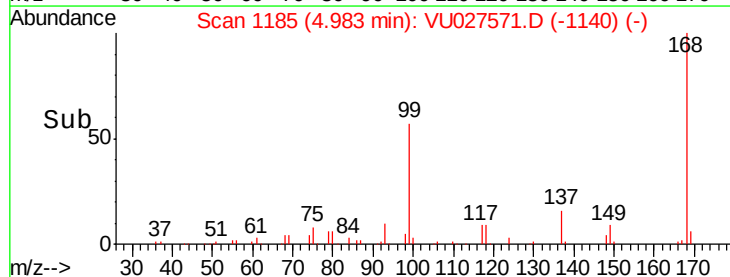
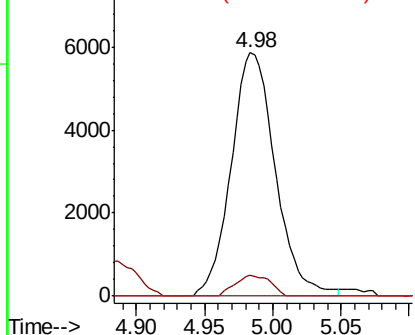


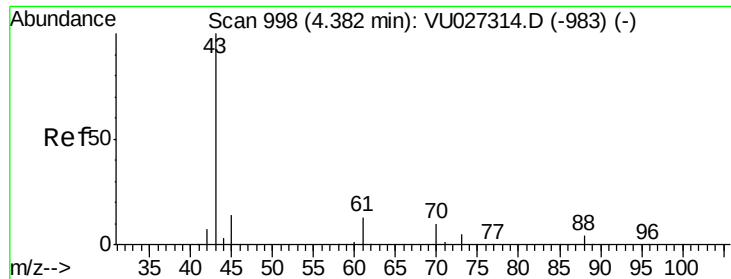
#36
 1,1-Dichloropropene
 Concen: 4.505 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027571.D
 Acq: 10 Oct 2018 15:36

Tgt Ion: 75 Resp: 13175
 Ion Ratio Lower Upper
 75 100
 110 6.9 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): V
 Ion 76.90 (76.60 to 77.60): VU0

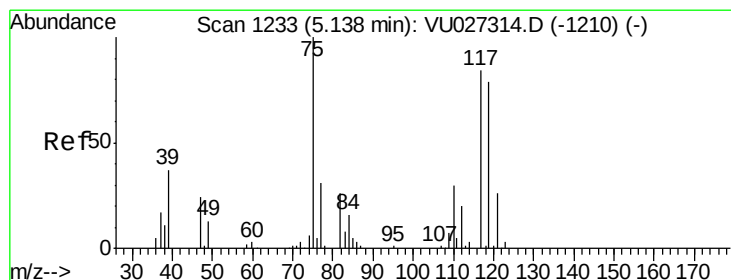
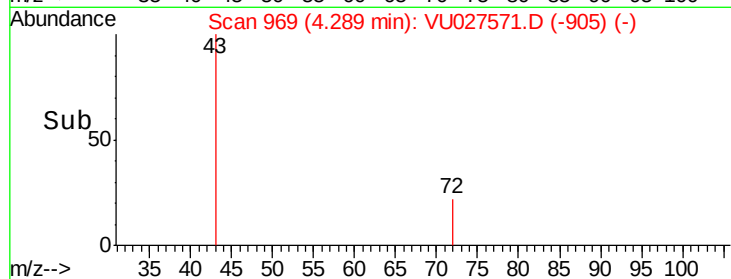
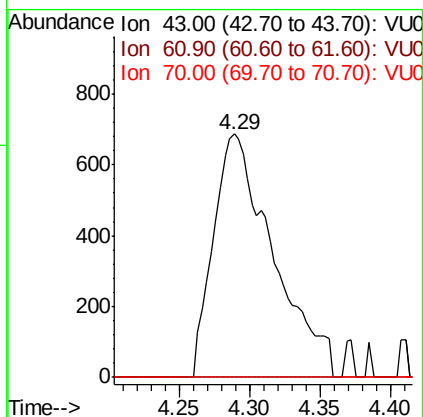
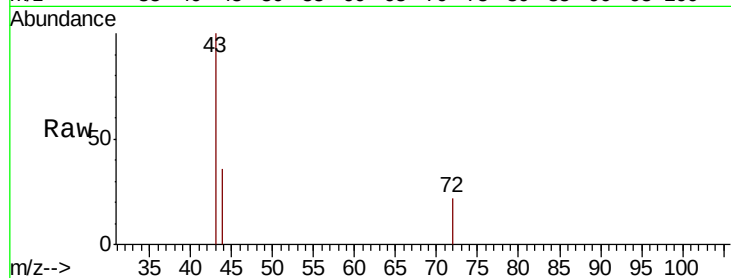




#37
Ethyl Acetate
Concen: 0.534 ug/l
RT: 4.29 min Scan# 969
Delta R.T. -0.09 min
Lab File: VU027571.D
Acq: 10 Oct 2018 15:36

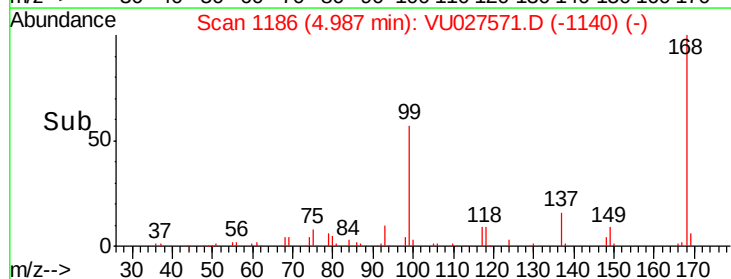
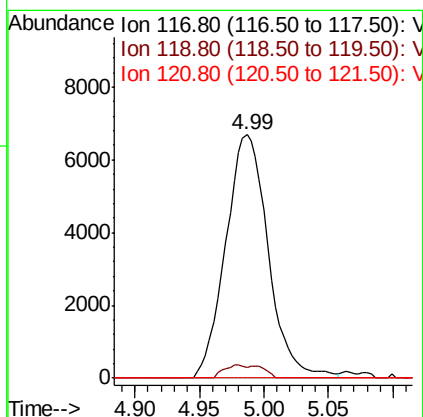
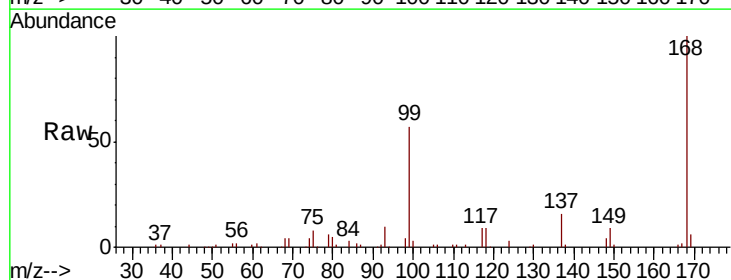
Instrument :
MSVOA_U
ClientSampleId :
PB113684ZHE#15

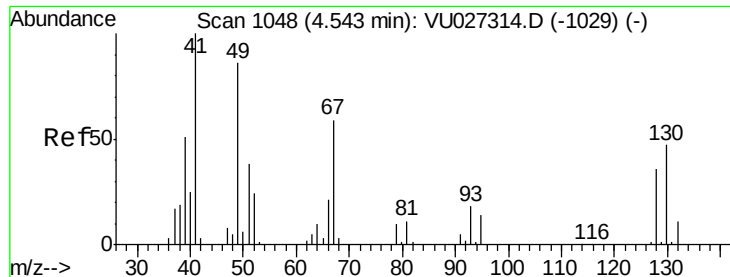
Tgt Ion: 43 Resp: 2020
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 5.811 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027571.D
Acq: 10 Oct 2018 15:36

Tgt Ion: 117 Resp: 15352
Ion Ratio Lower Upper
117 100
119 4.5 74.5 111.7#
121 0.0 24.6 37.0#





#41

Methacrylonitrile

Concen: 0.276 ug/l

RT: 4.66 min Scan# 1085

Delta R.T. 0.12 min

Lab File: VU027571.D

Acq: 10 Oct 2018 15:36

Instrument :

MSVOA_U

ClientSampleId :

PB113684ZHE#15

Tgt Ion: 41 Resp: 590

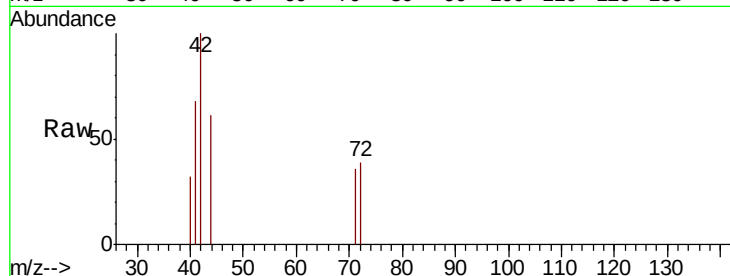
Ion Ratio Lower Upper

41 100

39 3.4 41.1 61.7#

67 0.0 50.4 75.6#

52 0.0 20.3 30.5#

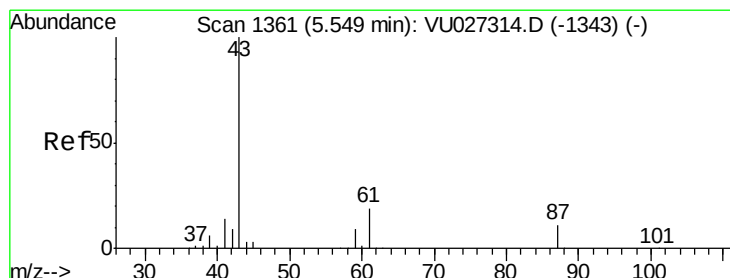
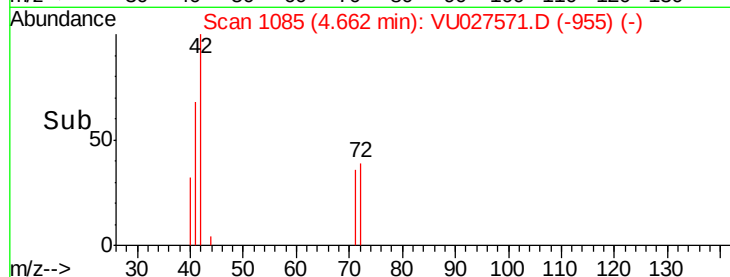
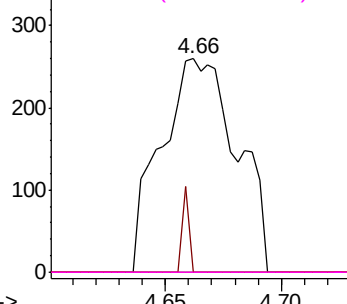


Abundance Ion 41.00 (40.70 to 41.70): VU0

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



#43

Isopropyl Acetate

Concen: 23.969 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027571.D

Acq: 10 Oct 2018 15:36

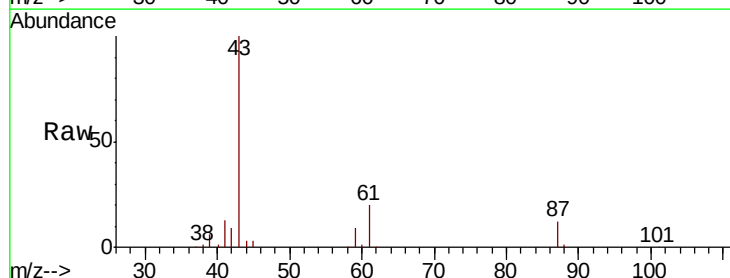
Tgt Ion: 43 Resp: 140710

Ion Ratio Lower Upper

43 100

61 19.1 15.3 22.9

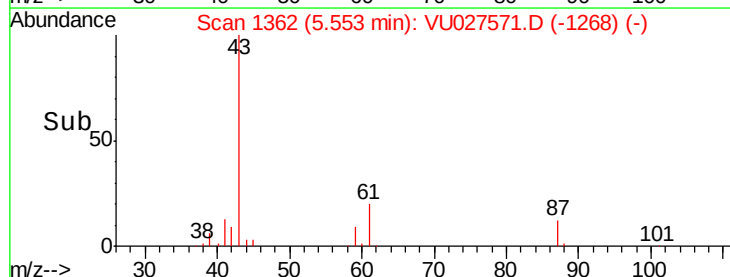
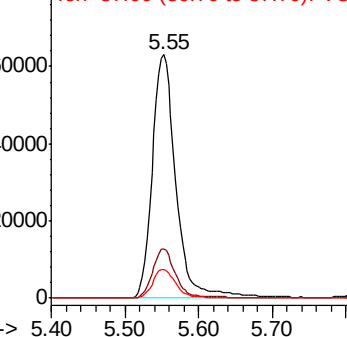
87 11.6 8.6 13.0

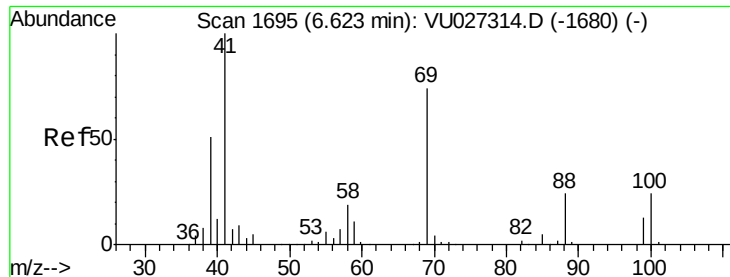


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

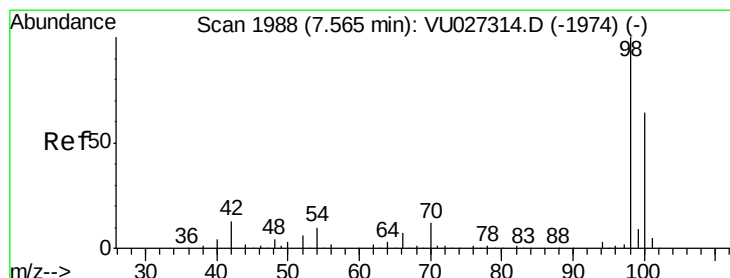
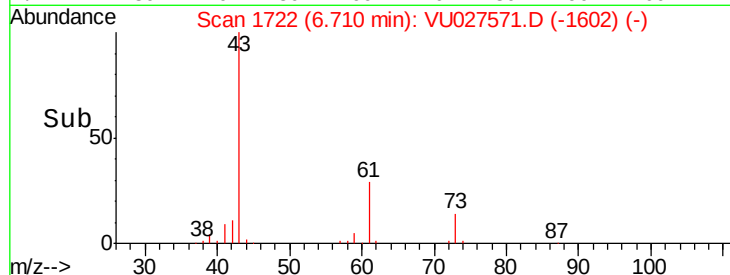
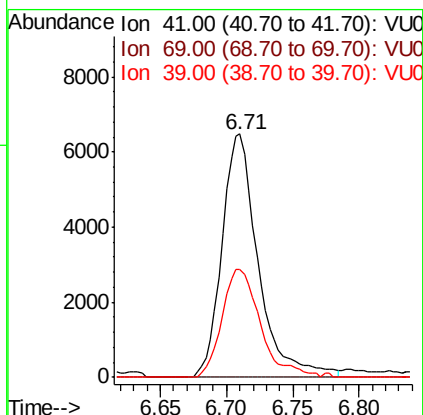
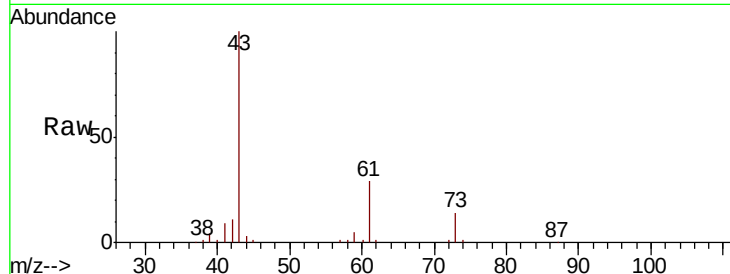




#48
Methyl methacrylate
Concen: 4.228 ug/l
RT: 6.71 min Scan# 1722
Delta R.T. 0.09 min
Lab File: VU027571.D
Acq: 10 Oct 2018 15:36

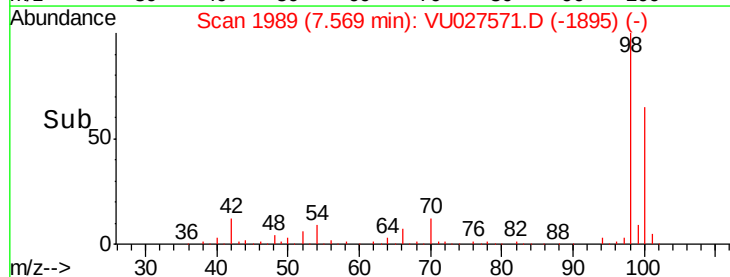
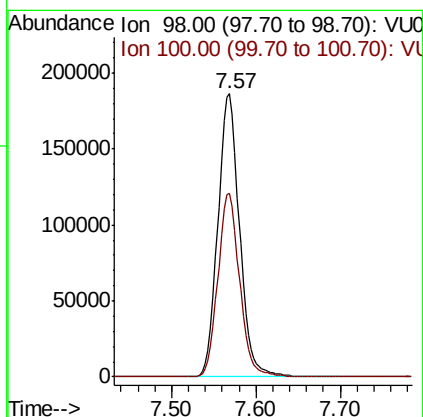
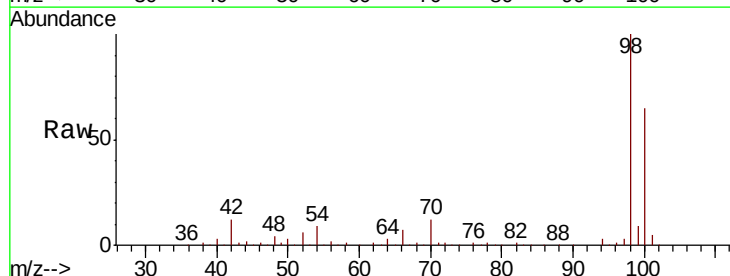
Instrument :
MSVOA_U
ClientSampleId :
PB113684ZHE#15

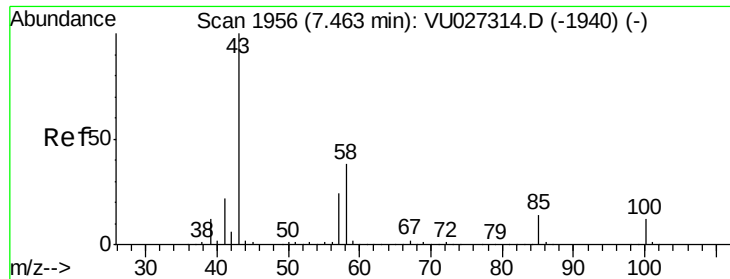
Tgt Ion: 41 Resp: 12343
Ion Ratio Lower Upper
41 100
69 0.0 61.0 91.4#
39 46.9 39.9 59.9



#50
Toluene-d8
Concen: 48.220 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027571.D
Acq: 10 Oct 2018 15:36

Tgt Ion: 98 Resp: 333154
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

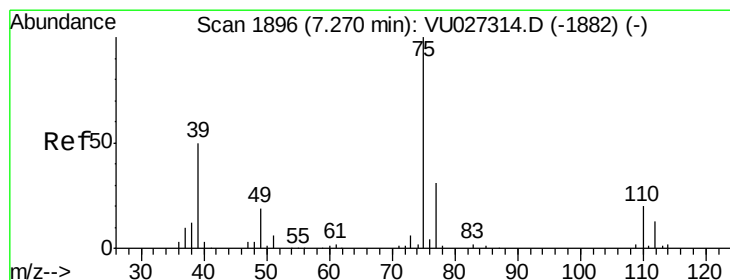
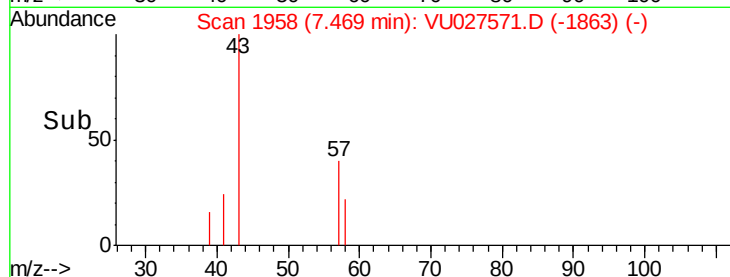
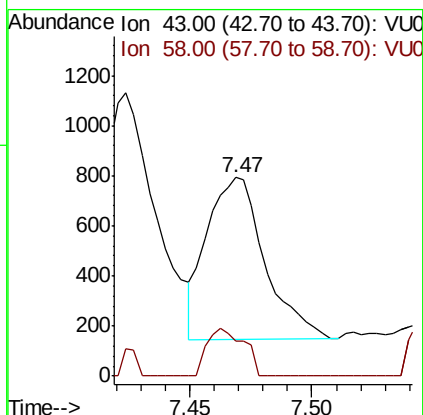
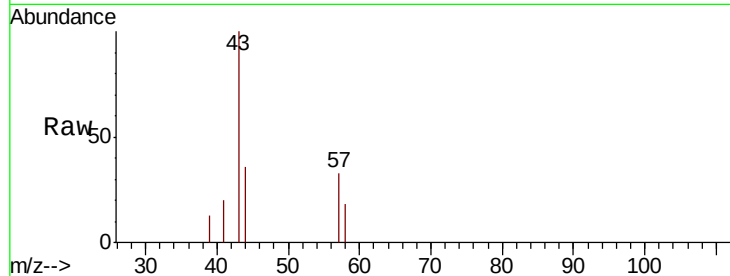




#51
 4-Methyl-2-Pentanone
 Concen: 0.281 ug/l
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.01 min
 Lab File: VU027571.D
 Acq: 10 Oct 2018 15:36

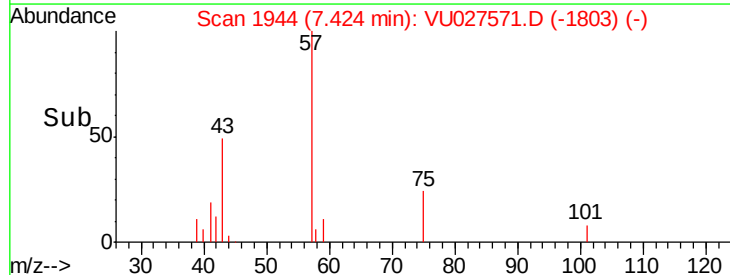
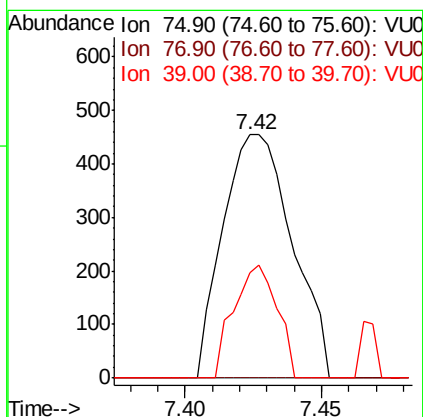
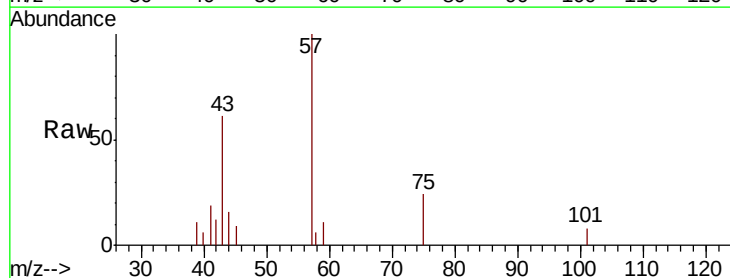
Instrument :
 MSVOA_U
 ClientSampleId :
 PB113684ZHE#15

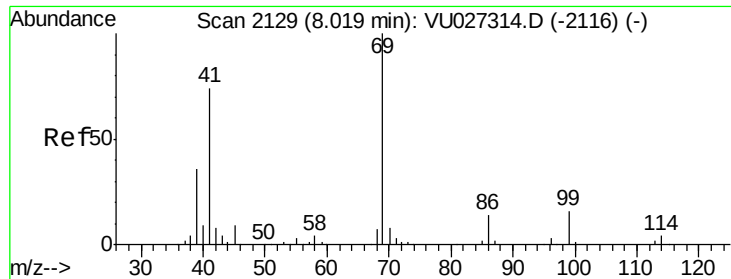
Tgt Ion: 43 Resp: 1073
 Ion Ratio Lower Upper
 43 100
 58 19.0 29.8 44.8#



#54
 cis-1,3-Dichloropropene
 Concen: 0.222 ug/l
 RT: 7.42 min Scan# 1944
 Delta R.T. 0.15 min
 Lab File: VU027571.D
 Acq: 10 Oct 2018 15:36

Tgt Ion: 75 Resp: 805
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.5 36.7#
 39 43.3 40.1 60.1

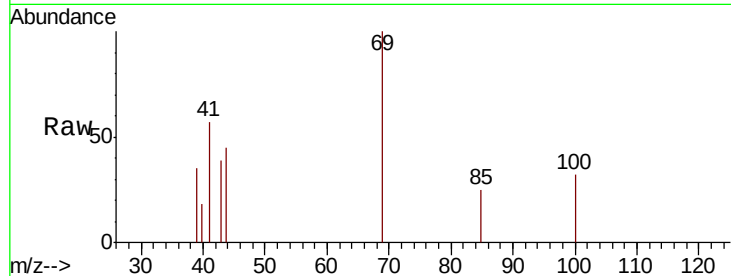




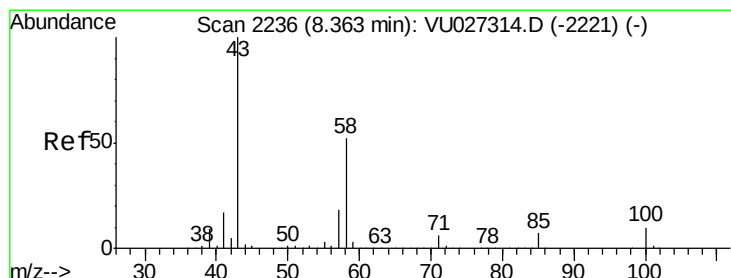
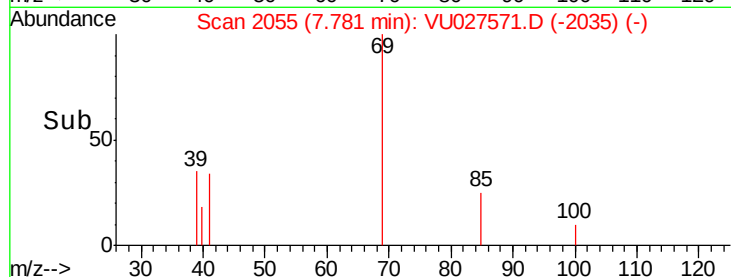
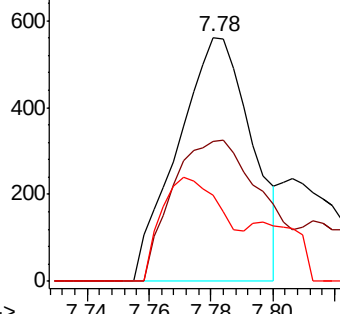
#56
Ethyl methacrylate
Concen: 2.504 ug/l
RT: 7.78 min Scan# 2055
Delta R.T. -0.24 min
Lab File: VU027571.D
Acq: 10 Oct 2018 15:36

Instrument :
MSVOA_U
ClientSampleId :
PB113684ZHE#15

Tgt Ion: 69 Resp: 934
Ion Ratio Lower Upper
69 100
41 70.6 60.0 90.0
39 36.8 29.5 44.3

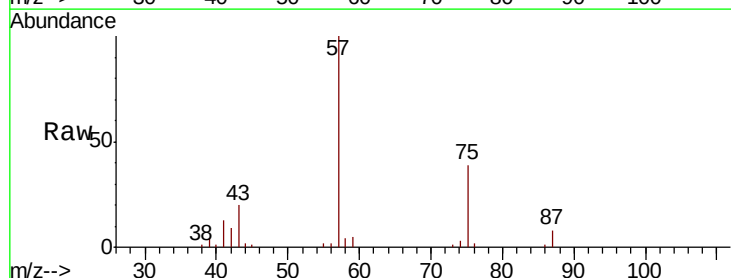


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

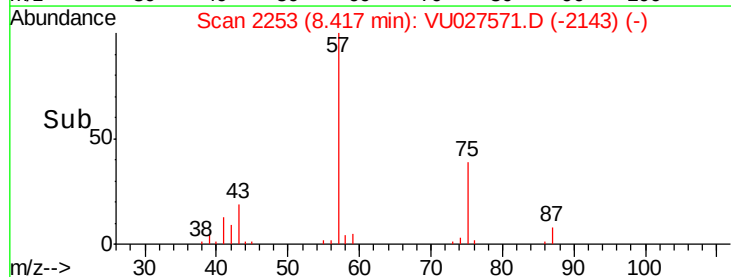
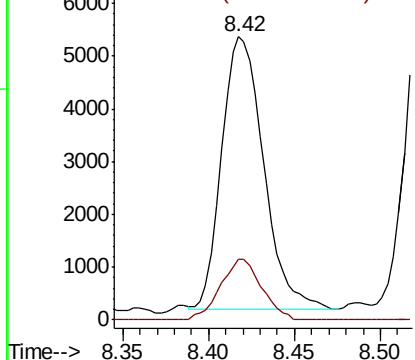


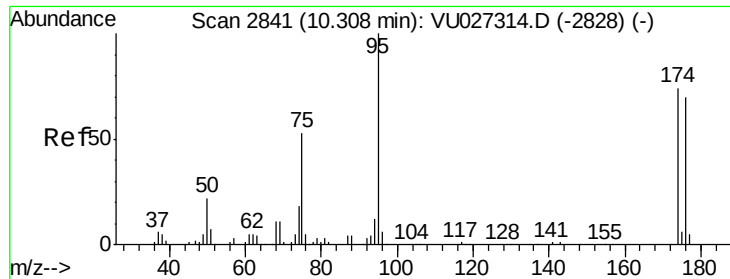
#59
2-Hexanone
Concen: 2.968 ug/l
RT: 8.42 min Scan# 2253
Delta R.T. 0.05 min
Lab File: VU027571.D
Acq: 10 Oct 2018 15:36

Tgt Ion: 43 Resp: 8782
Ion Ratio Lower Upper
43 100
58 21.8 26.1 78.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

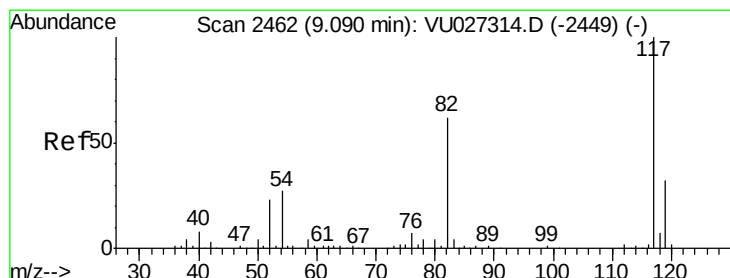
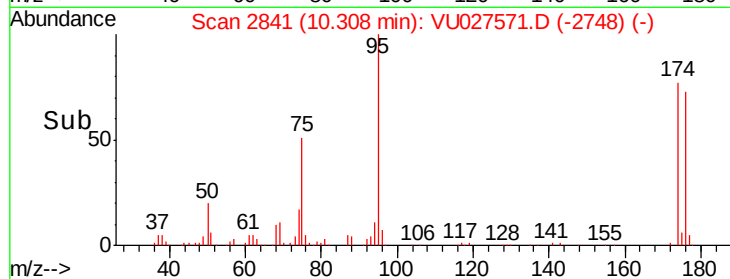
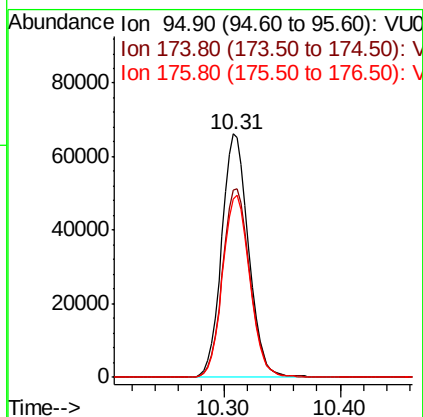
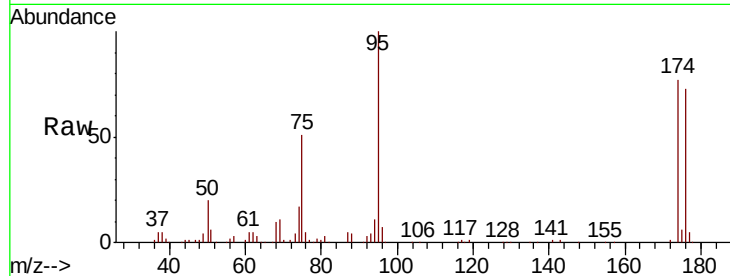




#62
 4-Bromofluorobenzene
 Concen: 41.317 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027571.D
 Acq: 10 Oct 2018 15:36

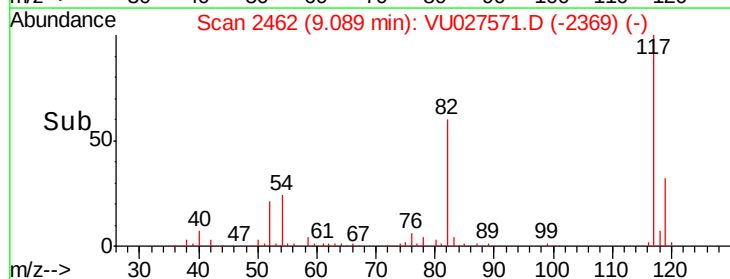
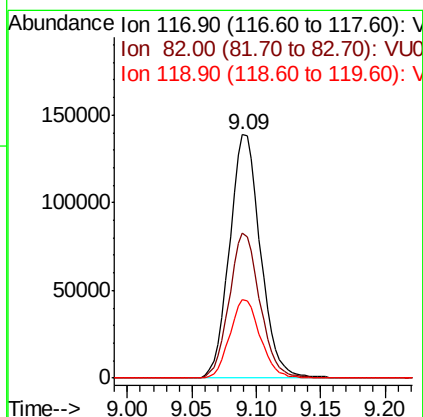
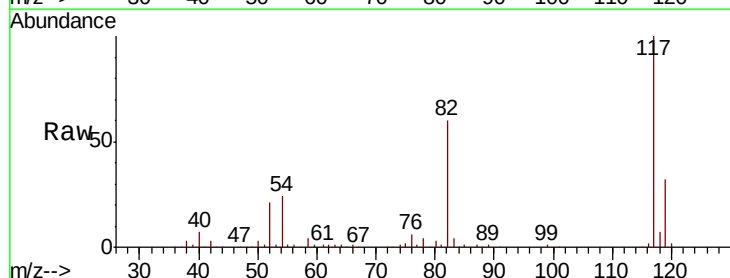
Instrument :
 MSVOA_U
 ClientSampleId :
 PB113684ZHE#15

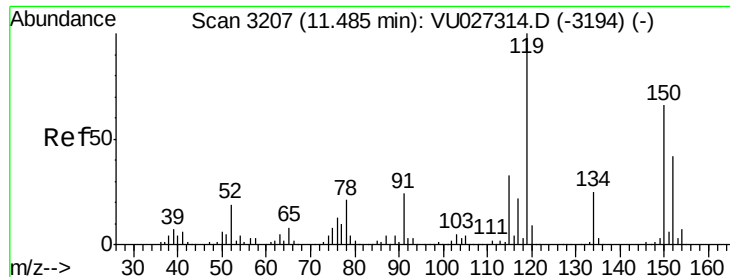
Tgt Ion: 95 Resp: 106089
 Ion Ratio Lower Upper
 95 100
 174 79.1 0.0 147.8
 176 75.6 0.0 140.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU027571.D
 Acq: 10 Oct 2018 15:36

Tgt Ion: 117 Resp: 231308
 Ion Ratio Lower Upper
 117 100
 82 59.6 49.2 73.8
 119 32.2 25.7 38.5

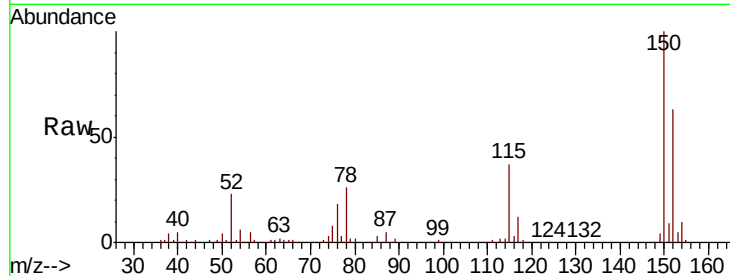




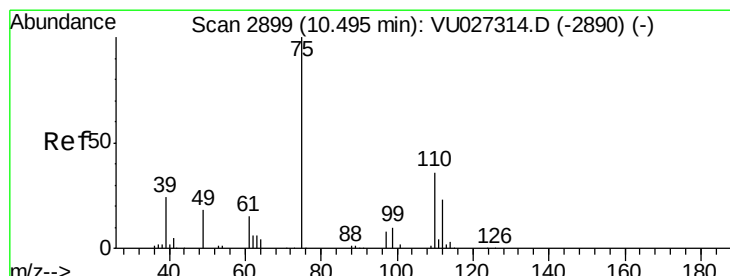
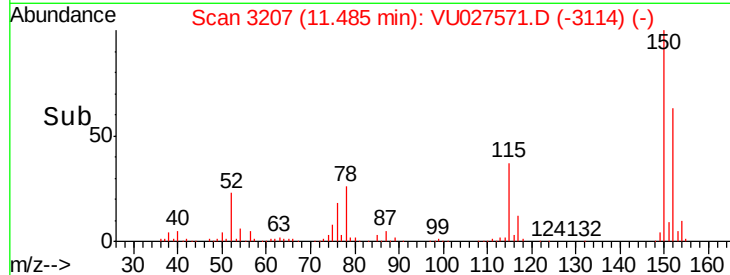
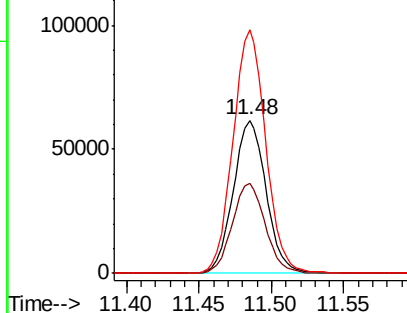
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU027571.D
 Acq: 10 Oct 2018 15:36

Instrument :
 MSVOA_U
 ClientSampleId :
 PB113684ZHE#15

Tgt Ion:152 Resp: 96751
 Ion Ratio Lower Upper
 152 100
 115 59.2 43.4 130.2
 150 158.9 0.0 349.2

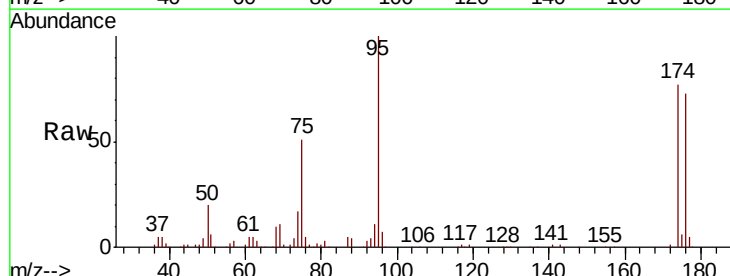


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

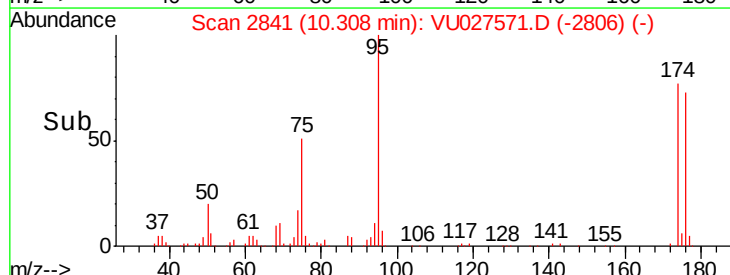
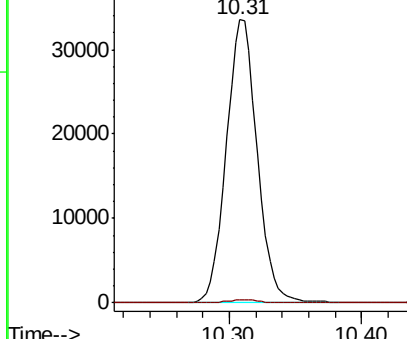


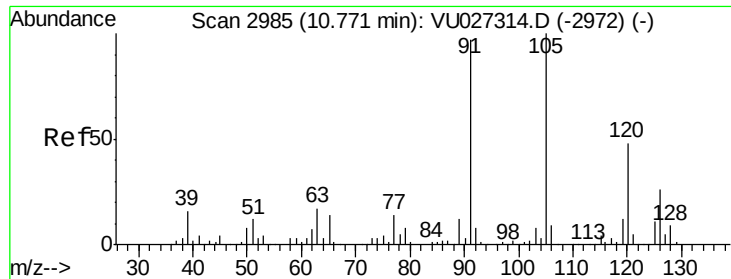
#76
 1,2,3-Trichloropropane
 Concen: 21.580 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027571.D
 Acq: 10 Oct 2018 15:36

Tgt Ion: 75 Resp: 54122
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 77.00 (76.70 to 77.70): VU0

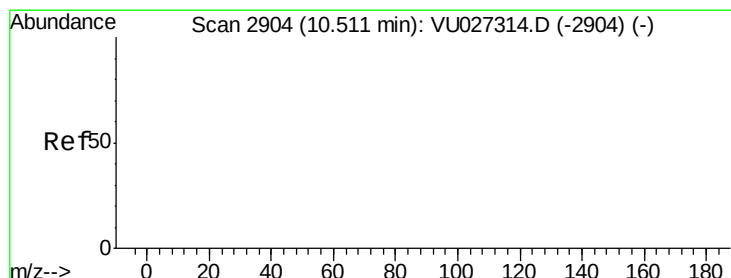
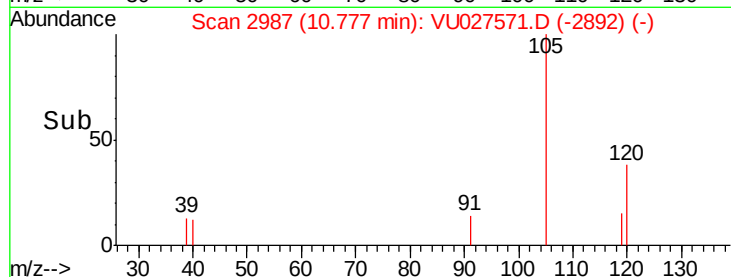
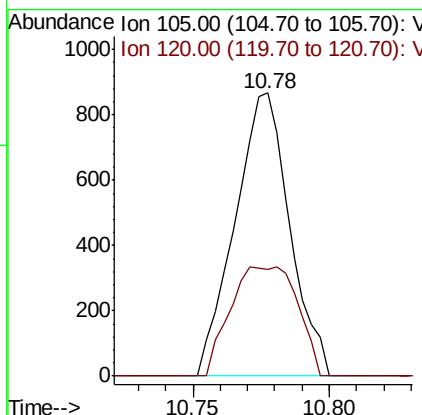
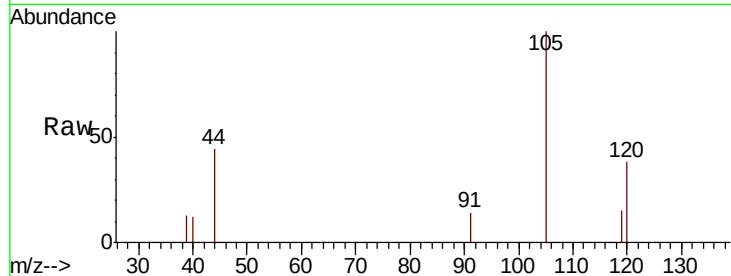




#80
 1,3,5-Trimethylbenzene
 Concen: 0.211 ug/l
 RT: 10.78 min Scan# 2987
 Delta R.T. 0.01 min
 Lab File: VU027571.D
 Acq: 10 Oct 2018 15:36

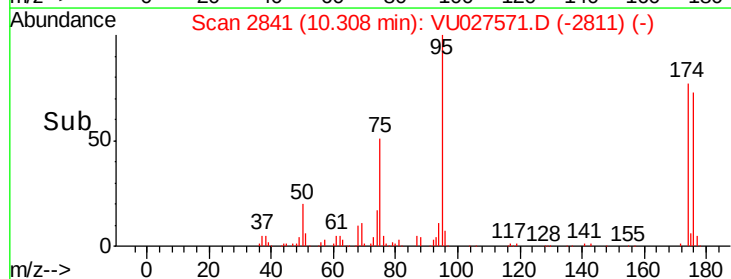
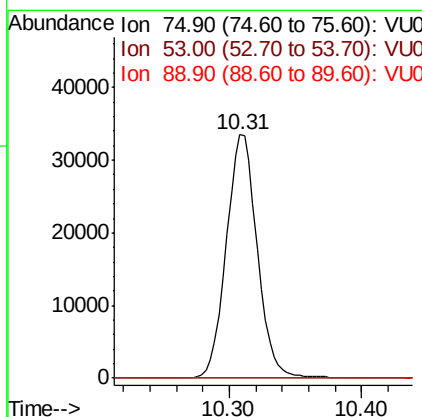
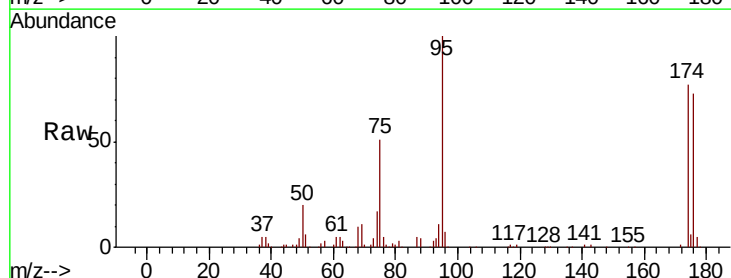
Instrument :
 MSVOA_U
 ClientSampleId :
 PB113684ZHE#15

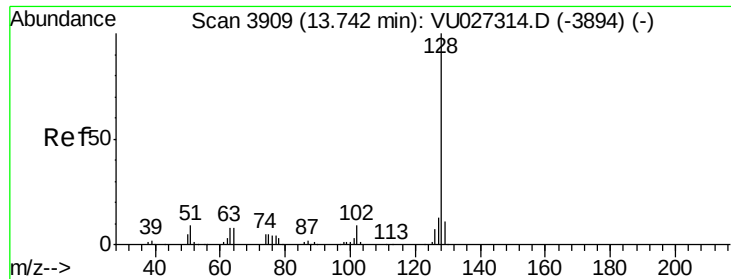
Tgt Ion: 105 Resp: 1205
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.476 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU027571.D
 Acq: 10 Oct 2018 15:36

Tgt Ion: 75 Resp: 54122
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95

Naphthalene

Concen: 1.669 ug/l

RT: 13.76 min Scan# 3916

Delta R.T. 0.02 min

Lab File: VU027571.D

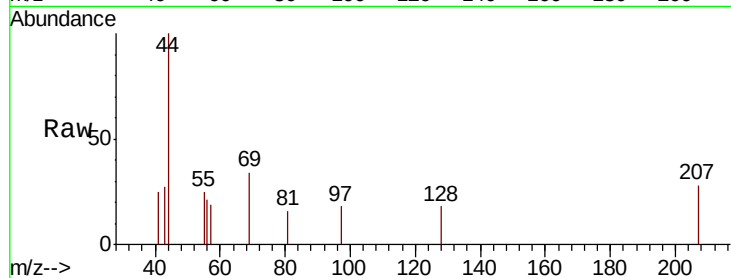
Acq: 10 Oct 2018 15:36

Instrument :

MSVOA_U

ClientSampleId :

PB113684ZHE#15



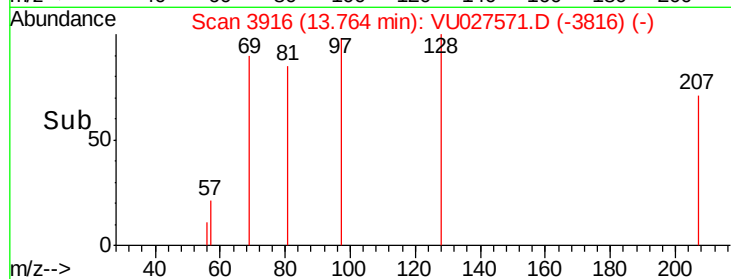
Tgt Ion:128 Resp: 67

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

