

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U101018\
 Data File : VU027570.D
 Acq On : 10 Oct 2018 15:13
 Operator : MD/SY
 Sample : PB113684ZHE#14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB113684ZHE#14

Quant Time: Oct 11 04:04:36 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	159966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	265771	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	234807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	103374	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	114916	43.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.04%	
35) Dibromofluoromethane	4.89	113	85379	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
50) Toluene-d8	7.57	98	331145	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	10.31	95	107652	42.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.98%	

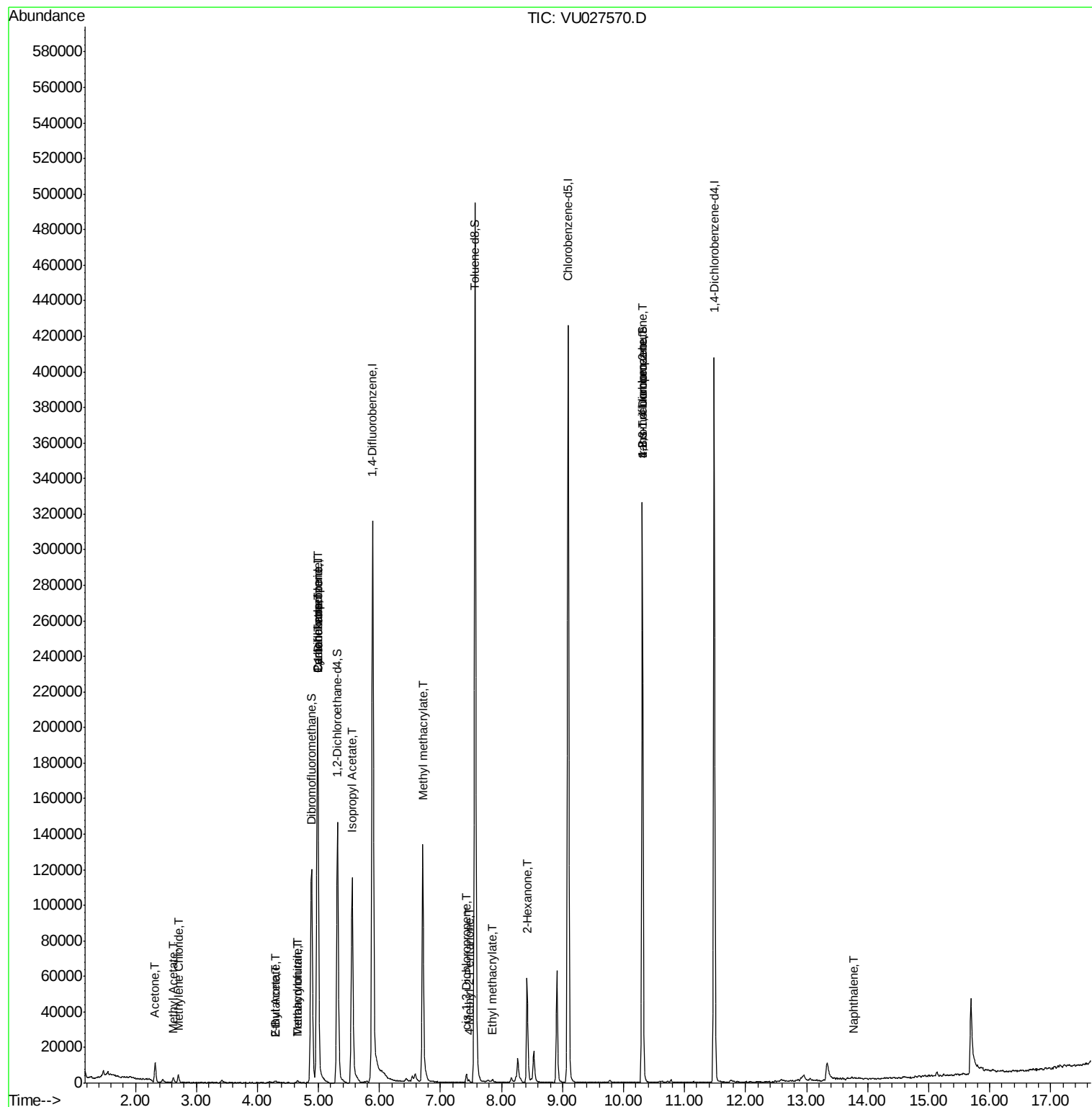
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	11932	7.561	ug/l	92
18) Methyl Acetate	2.62	43	3659	1.016	ug/l #	90
20) Methylene Chloride	2.70	84	1896	0.863	ug/l #	84
25) 2-Butanone	4.30	43	2053	0.954	ug/l	96
29) Tetrahydrofuran	4.66	42	970	0.715	ug/l #	80
31) Cyclohexane	4.99	56	3421	0.563	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	12922	4.478	ug/l #	47
37) Ethyl Acetate	4.30	43	2053	0.550	ug/l #	70
38) Carbon Tetrachloride	4.99	117	15234	5.844	ug/l #	17
41) Methacrylonitrile	4.67	41	589	0.279	ug/l #	36
43) Isopropyl Acetate	5.55	43	141335	24.401	ug/l	99
48) Methyl methacrylate	6.71	41	11991	4.163	ug/l #	45
51) 4-Methyl-2-Pentanone	7.47	43	815	0.217	ug/l #	86
54) cis-1,3-Dichloropropene	7.42	75	777	0.217	ug/l #	69
56) Ethyl methacrylate	7.86	69	42	2.282	ug/l #	1
59) 2-Hexanone	8.42	43	8882	3.042	ug/l #	53
76) 1,2,3-Trichloropropane	10.31	75	56085	20.930	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	56085	54.775	ug/l #	100
95) Naphthalene	13.76	128	188	1.683	ug/l #	69

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

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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: VU027570.D

Acq: 10 Oct 2018 15:13

Instrument :

MSVOA_U

ClientSampleId :

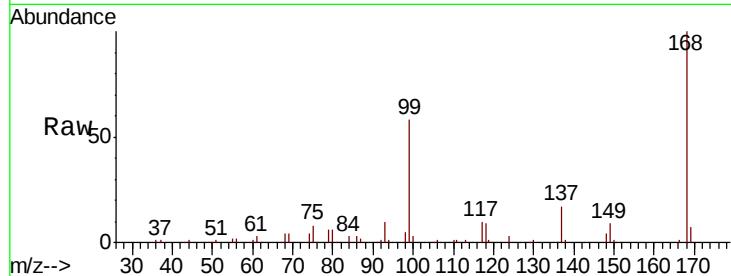
PB113684ZHE#14

Tgt Ion:168 Resp: 159966

Ion Ratio Lower Upper

168 100

99 57.5 50.8 76.2



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

Ion 98.90 (98.60 to 99.60): VU027570.D (-1092) (-)

4.99

80000

60000

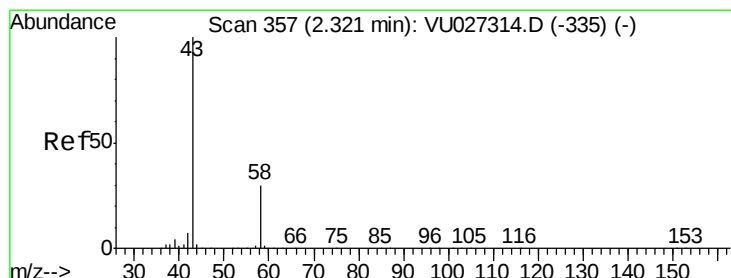
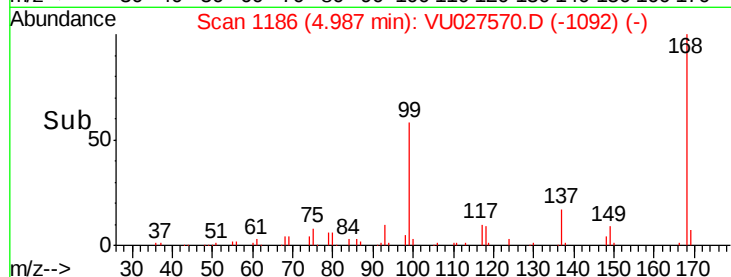
40000

20000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 7.561 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027570.D

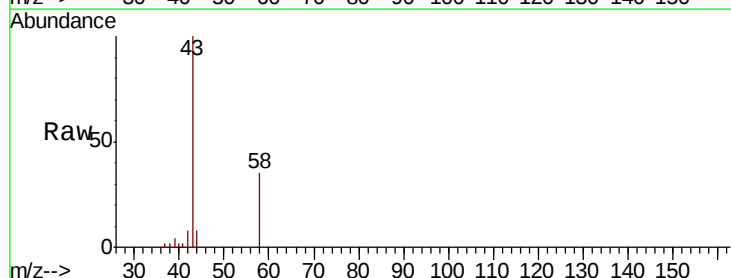
Acq: 10 Oct 2018 15:13

Tgt Ion: 43 Resp: 11932

Ion Ratio Lower Upper

43 100

58 34.9 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU027570.D (-264) (-)

2.32

8000

6000

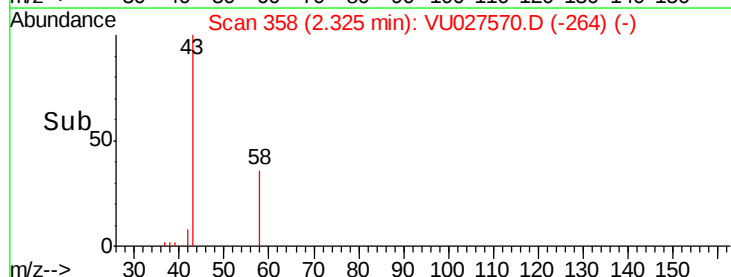
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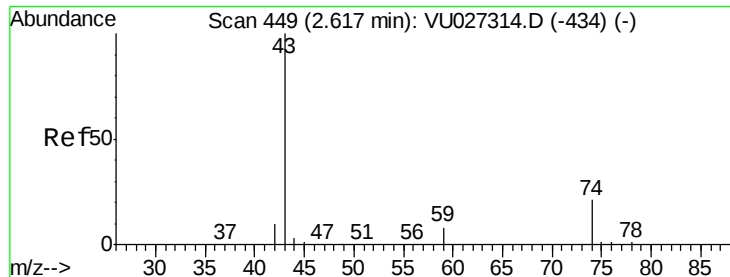
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0

2.25 2.30 2.35 2.40

Time-->

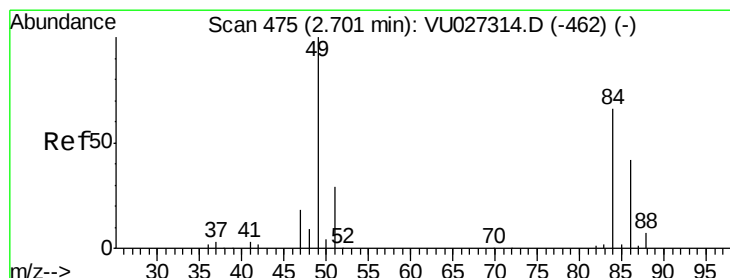
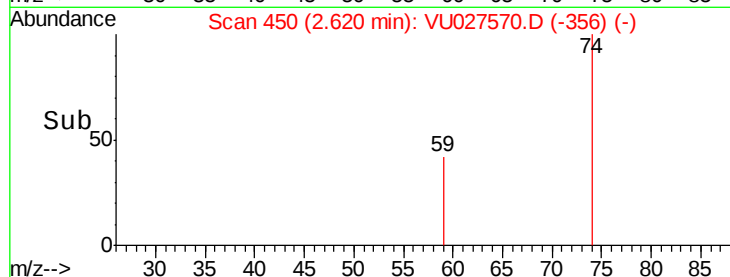
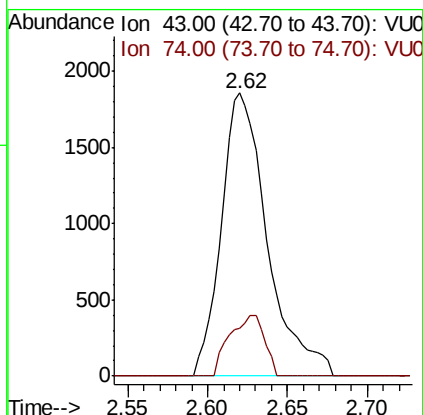
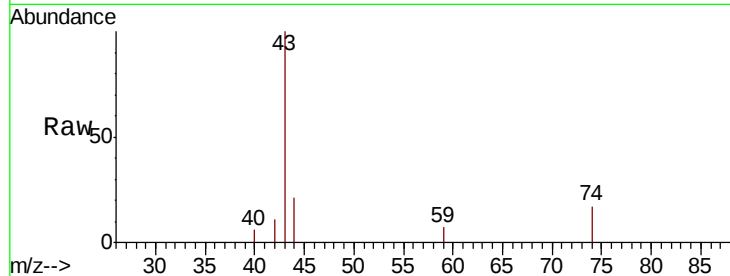




#18
Methyl Acetate
Concen: 1.016 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027570.D
Acq: 10 Oct 2018 15:13

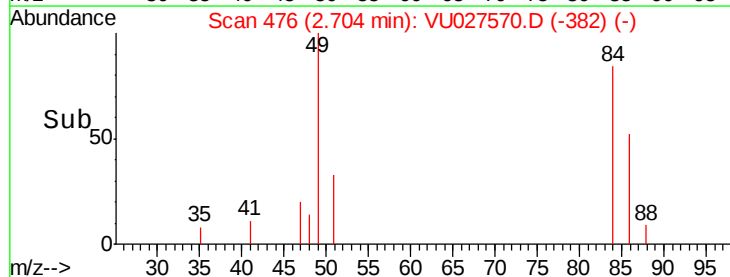
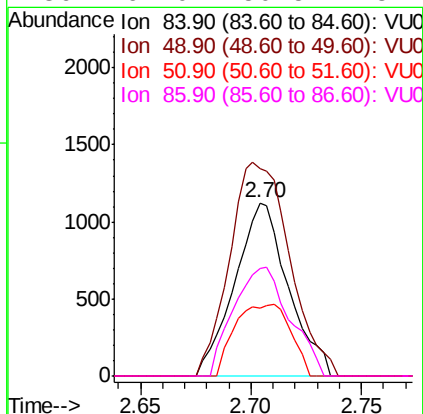
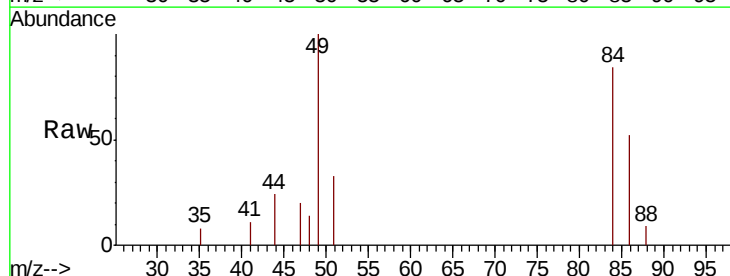
Instrument :
MSVOA_U
ClientSampleId :
PB113684ZHE#14

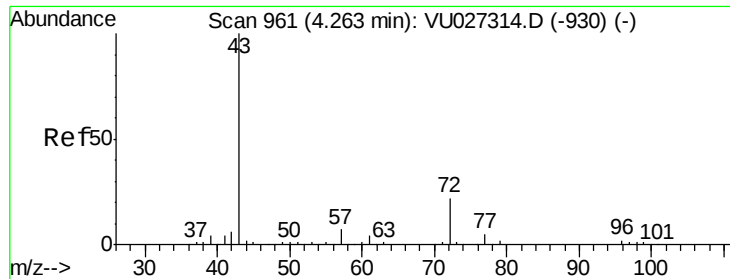
Tgt Ion: 43 Resp: 3659
Ion Ratio Lower Upper
43 100
74 16.0 16.5 24.7#



#20
Methylene Chloride
Concen: 0.863 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027570.D
Acq: 10 Oct 2018 15:13

Tgt Ion: 84 Resp: 1896
Ion Ratio Lower Upper
84 100
49 119.5 120.5 180.7#
51 39.1 35.1 52.7
86 62.0 50.5 75.7

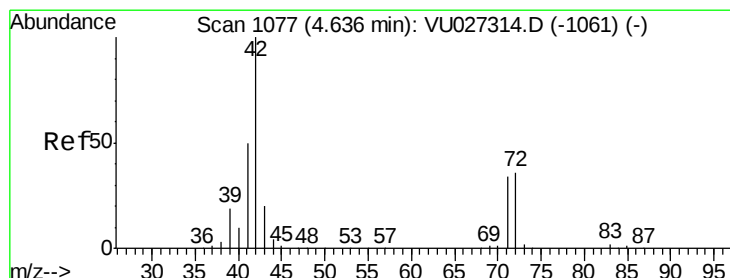
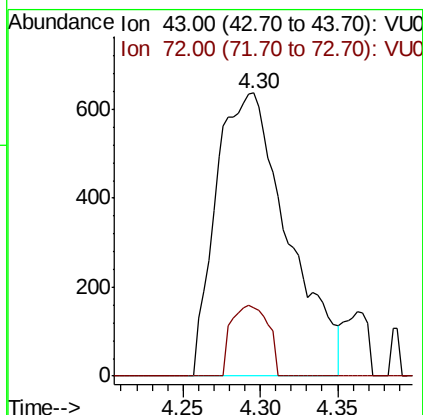
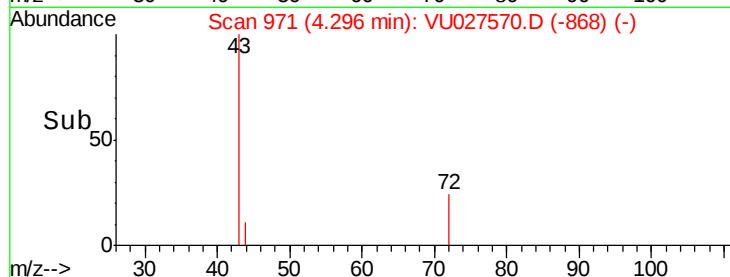
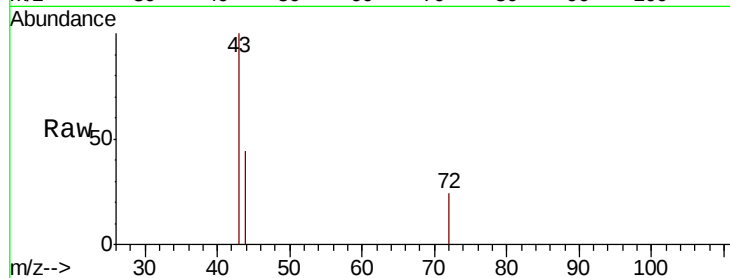




#25
 2-Butanone
 Concen: 0.954 ug/l
 RT: 4.30 min Scan# 971
 Delta R.T. 0.03 min
 Lab File: VU027570.D
 Acq: 10 Oct 2018 15:13

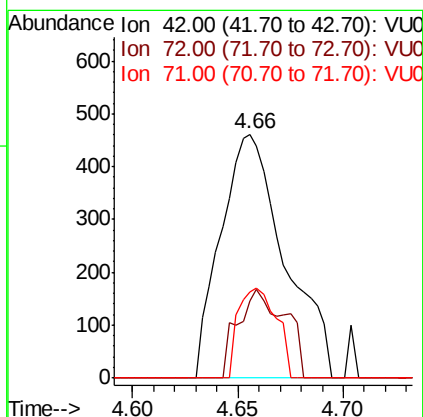
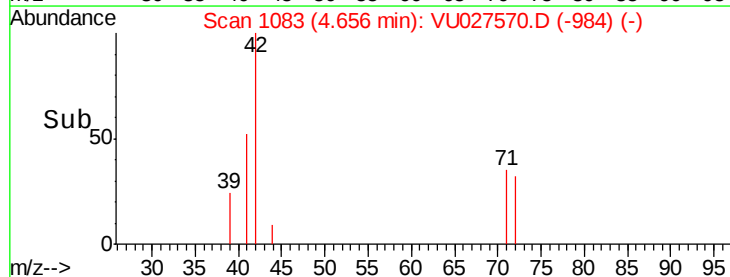
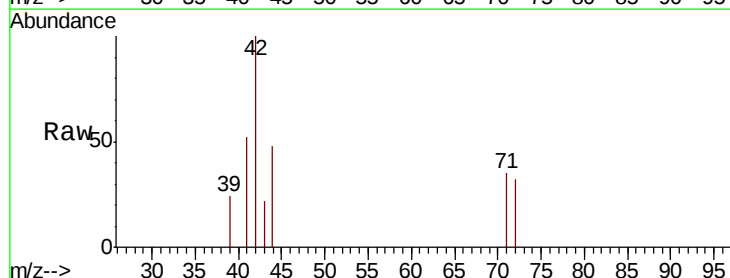
Instrument :
 MSVOA_U
 ClientSampleId :
 PB113684ZHE#14

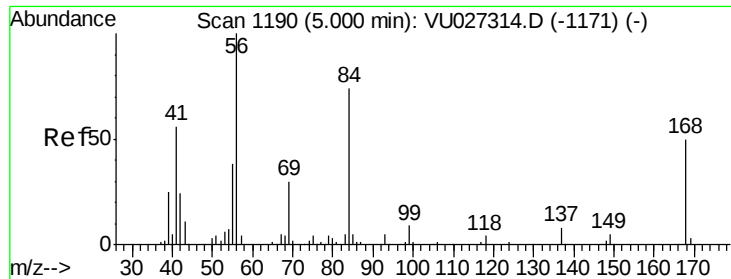
Tgt Ion: 43 Resp: 2053
 Ion Ratio Lower Upper
 43 100
 72 24.3 17.8 26.6



#29
 Tetrahydrofuran
 Concen: 0.715 ug/l
 RT: 4.66 min Scan# 1083
 Delta R.T. 0.02 min
 Lab File: VU027570.D
 Acq: 10 Oct 2018 15:13

Tgt Ion: 42 Resp: 970
 Ion Ratio Lower Upper
 42 100
 72 26.9 30.1 45.1#
 71 22.0 27.7 41.5#

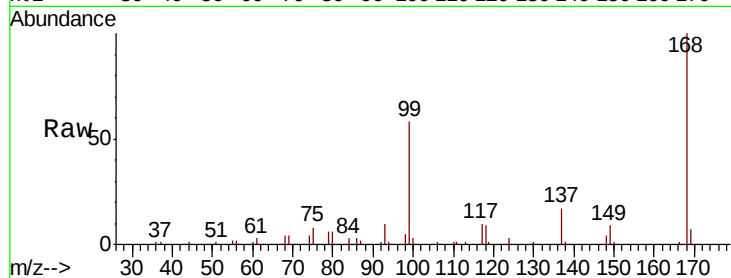




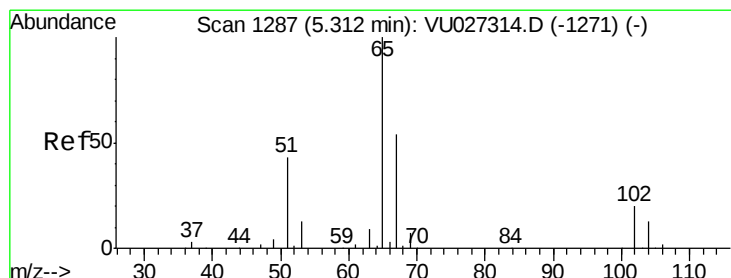
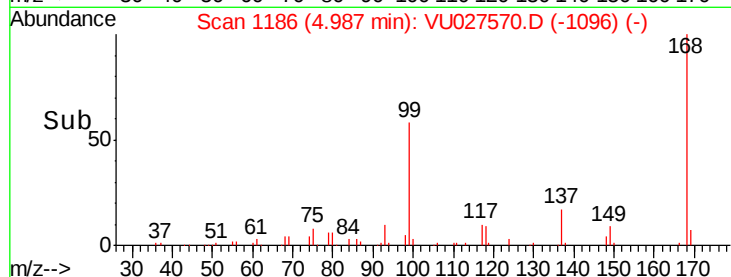
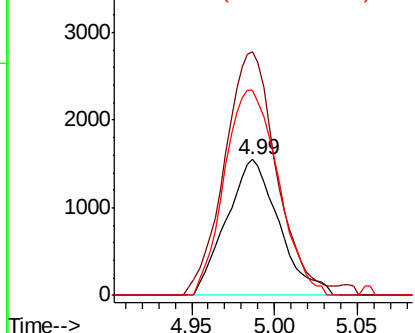
#31
Cyclohexane
Concen: 0.563 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027570.D
Acq: 10 Oct 2018 15:13

Instrument :
MSVOA_U
ClientSampleId :
PB113684ZHE#14

Tgt Ion: 56 Resp: 3421
Ion Ratio Lower Upper
56 100
69 172.9 24.1 36.1#
84 151.3 59.1 88.7#

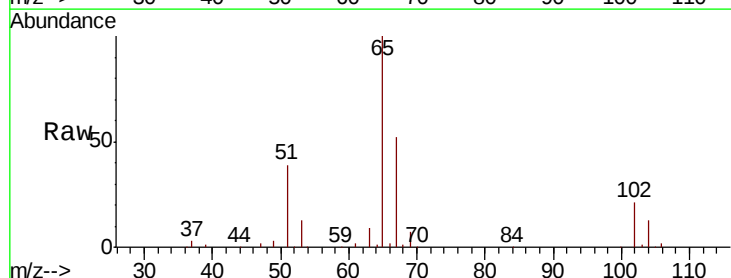


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

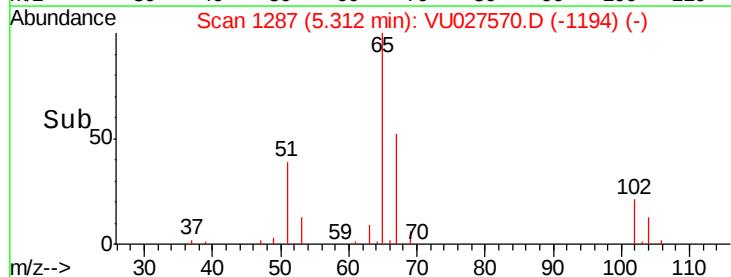
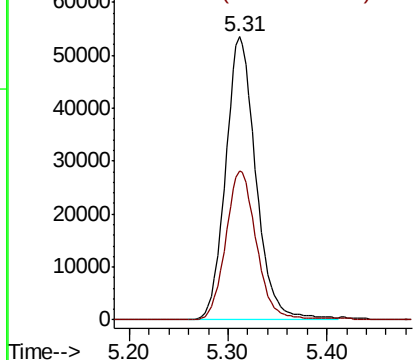


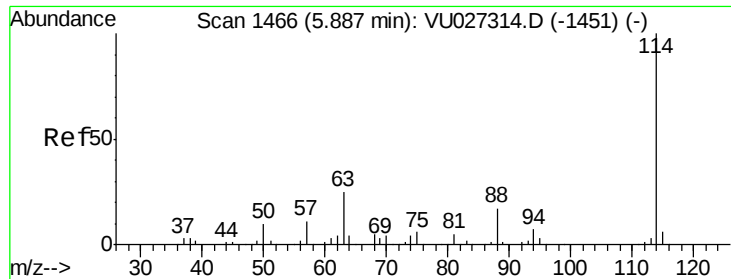
#33
1,2-Dichloroethane-d4
Concen: 43.021 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027570.D
Acq: 10 Oct 2018 15:13

Tgt Ion: 65 Resp: 114916
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.8



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

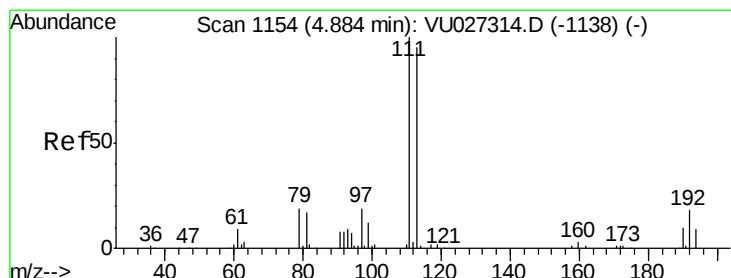
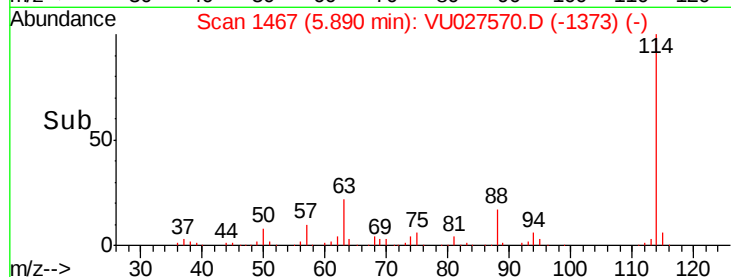
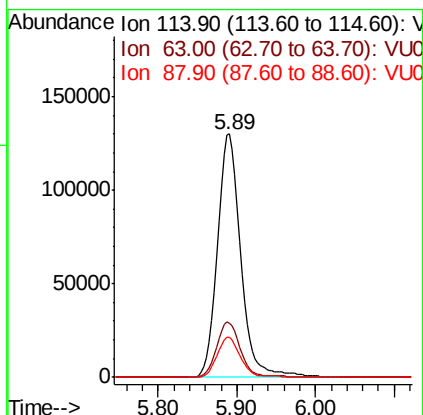
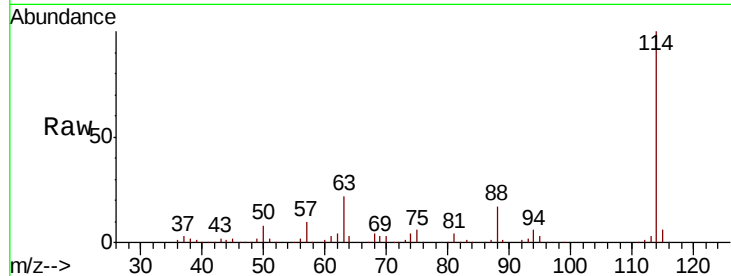




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027570.D
 Acq: 10 Oct 2018 15:13

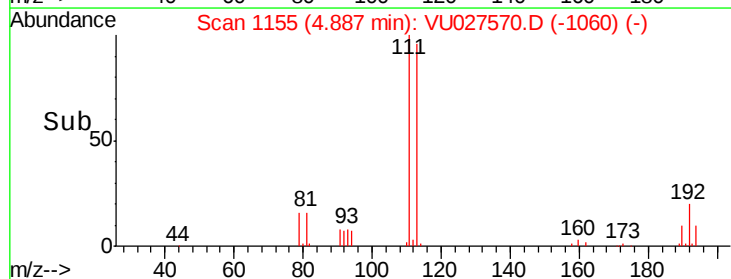
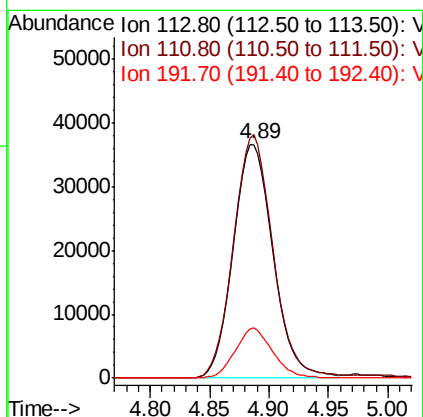
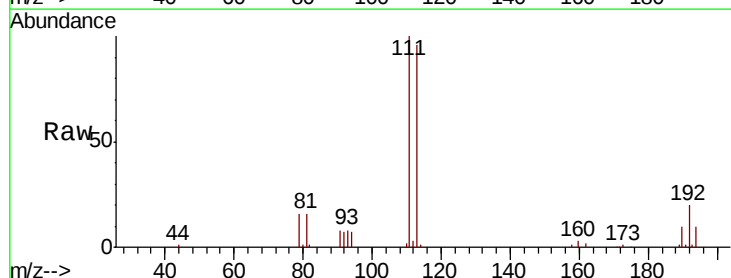
Instrument :
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 PB113684ZHE#14

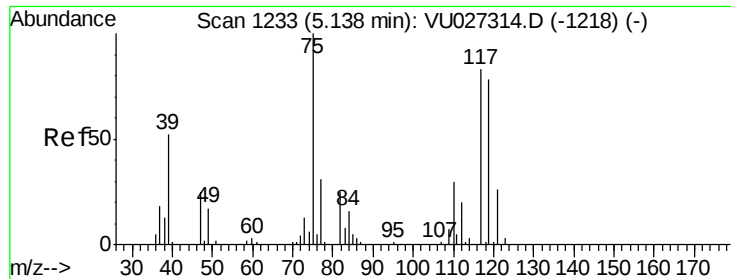
Tgt Ion:114 Resp: 265771
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 50.2
 88 16.6 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 46.875 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027570.D
 Acq: 10 Oct 2018 15:13

Tgt Ion:113 Resp: 85379
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.1 124.7
 192 20.1 15.4 23.0

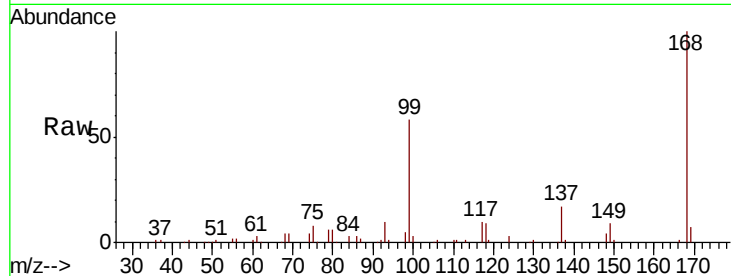




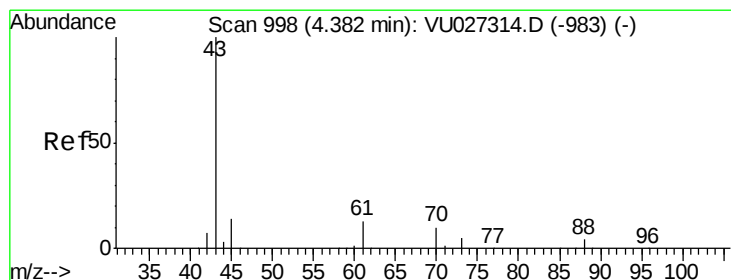
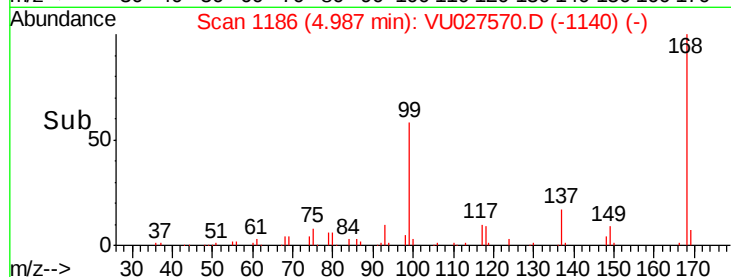
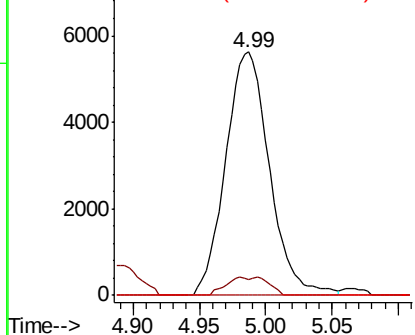
#36
 1,1-Dichloropropene
 Concen: 4.478 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027570.D
 Acq: 10 Oct 2018 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 PB113684ZHE#14

Tgt Ion: 75 Resp: 12922
 Ion Ratio Lower Upper
 75 100
 110 3.9 15.5 46.5#
 77 0.0 25.4 38.0#

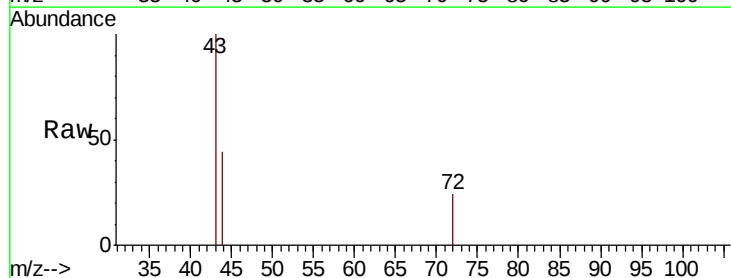


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

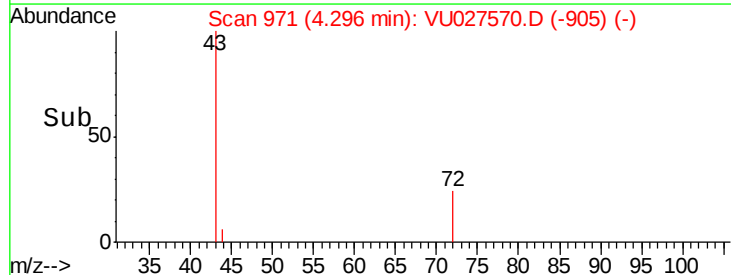
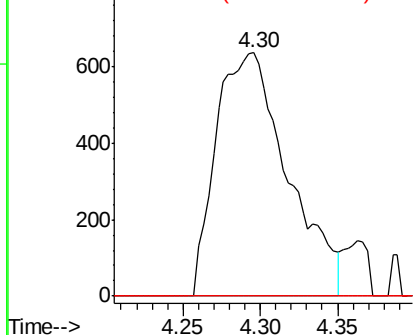


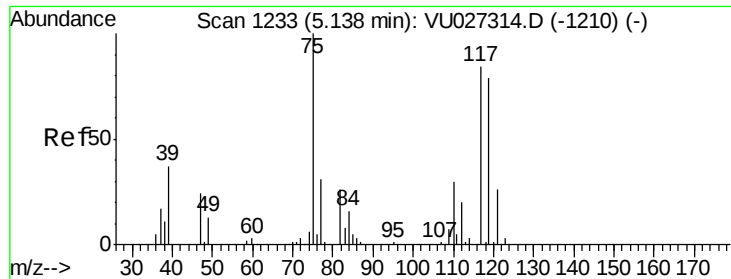
#37
 Ethyl Acetate
 Concen: 0.550 ug/l
 RT: 4.30 min Scan# 971
 Delta R.T. -0.09 min
 Lab File: VU027570.D
 Acq: 10 Oct 2018 15:13

Tgt Ion: 43 Resp: 2053
 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: 5.844 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027570.D

Acq: 10 Oct 2018 15:13

Instrument :

MSVOA_U

ClientSampleId :

PB113684ZHE#14

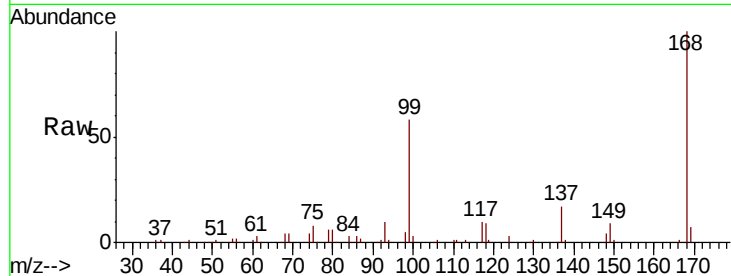
Tgt Ion:117 Resp: 15234

Ion Ratio Lower Upper

117 100

119 5.2 74.5 111.7#

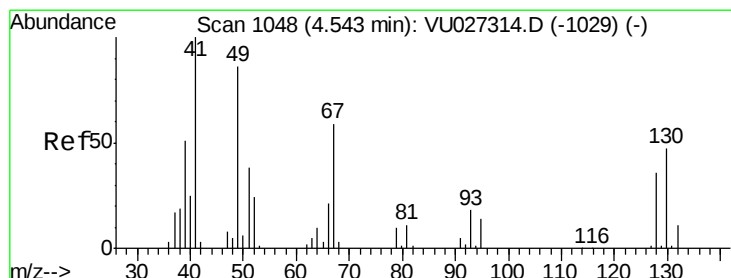
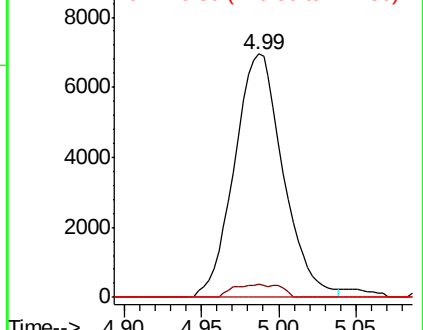
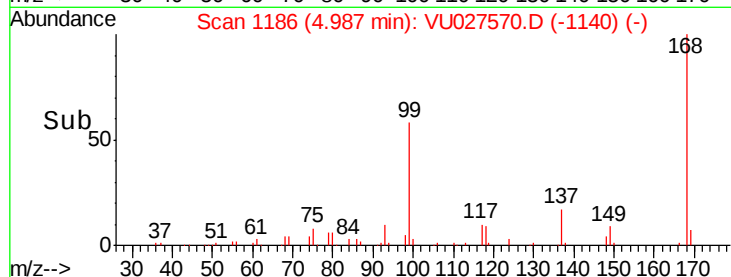
121 0.0 24.6 37.0#



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: 0.279 ug/l

RT: 4.67 min Scan# 1086

Delta R.T. 0.12 min

Lab File: VU027570.D

Acq: 10 Oct 2018 15:13

Tgt Ion: 41 Resp: 589

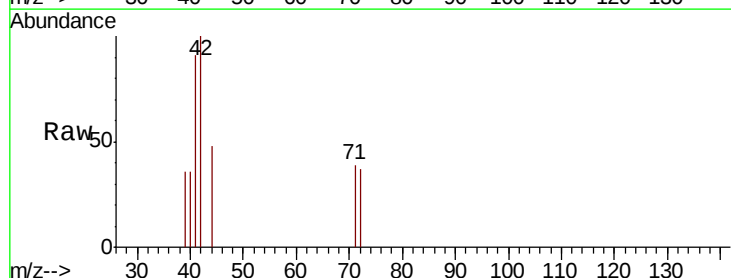
Ion Ratio Lower Upper

41 100

39 16.5 41.1 61.7#

67 0.0 50.4 75.6#

52 0.0 20.3 30.5#

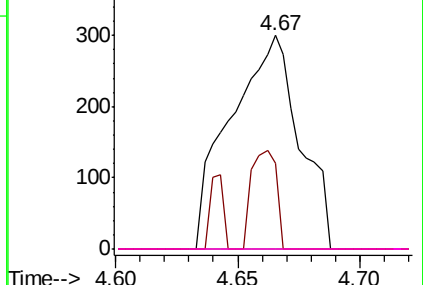
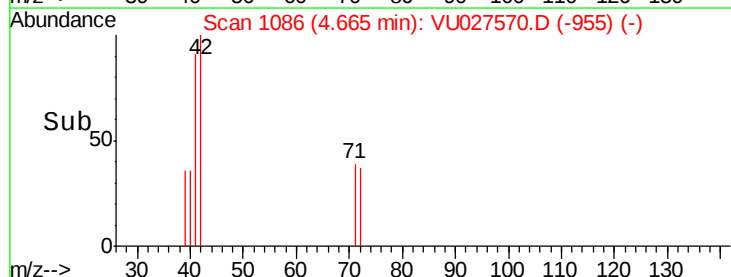


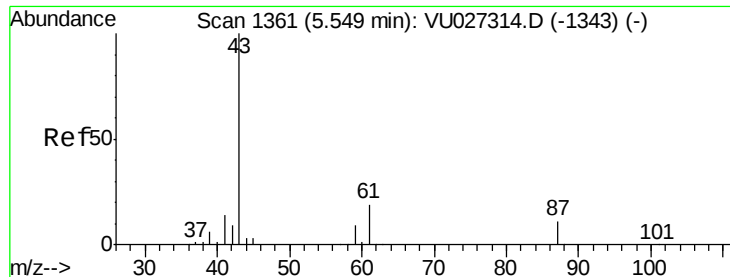
Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 24.401 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027570.D

Acq: 10 Oct 2018 15:13

Instrument :

MSVOA_U

ClientSampleId :

PB113684ZHE#14

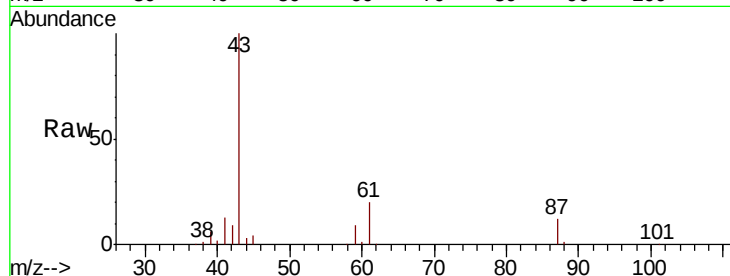
Tgt Ion: 43 Resp: 141335

Ion Ratio Lower Upper

43 100

61 19.6 15.3 22.9

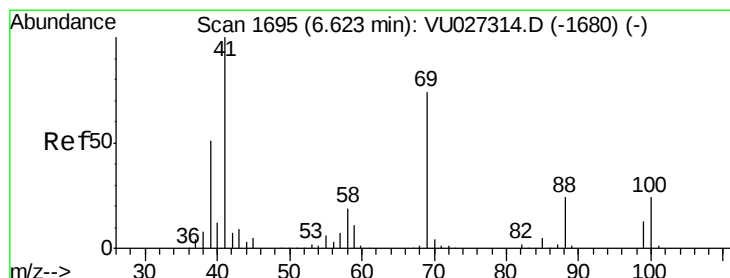
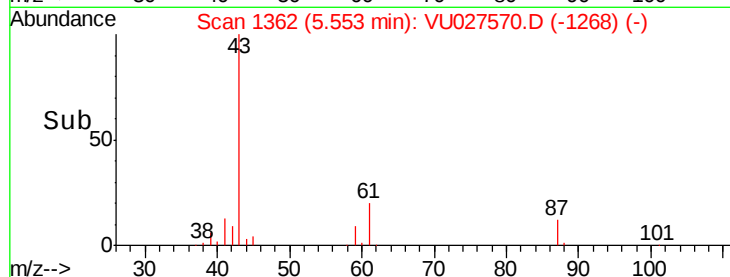
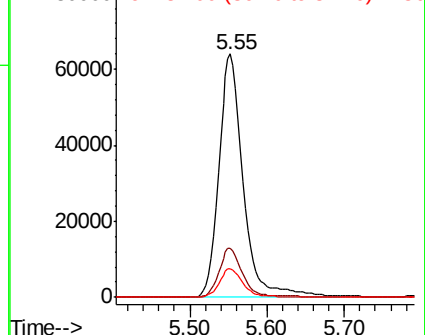
87 11.5 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU027570.D (-1343) (-)

Ion 61.00 (60.70 to 61.70): VU027570.D (-1343) (-)

Ion 87.00 (86.70 to 87.70): VU027570.D (-1343) (-)



#48

Methyl methacrylate

Concen: 4.163 ug/l

RT: 6.71 min Scan# 1722

Delta R.T. 0.09 min

Lab File: VU027570.D

Acq: 10 Oct 2018 15:13

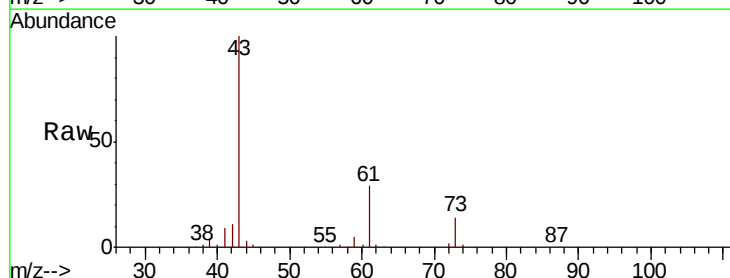
Tgt Ion: 41 Resp: 11991

Ion Ratio Lower Upper

41 100

69 0.0 61.0 91.4#

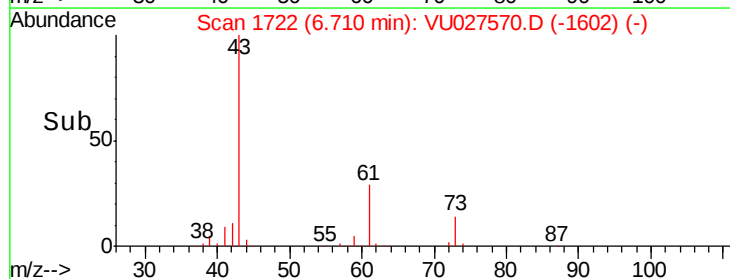
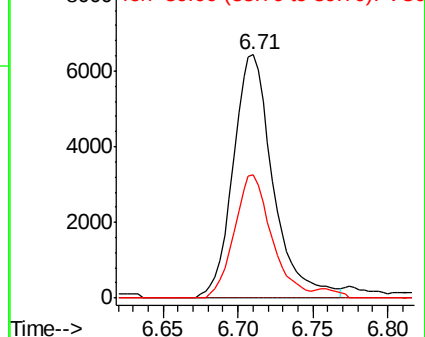
39 47.3 39.9 59.9

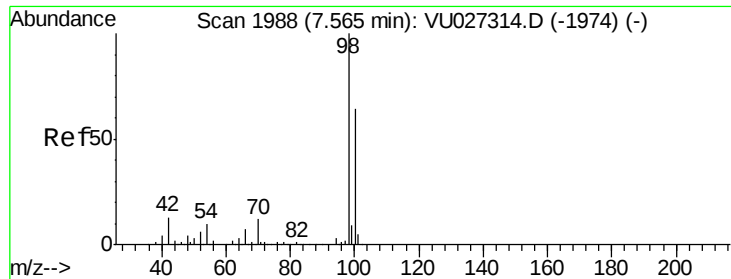


Abundance Ion 41.00 (40.70 to 41.70): VU027570.D (-1680) (-)

Ion 69.00 (68.70 to 69.70): VU027570.D (-1680) (-)

Ion 39.00 (38.70 to 39.70): VU027570.D (-1680) (-)

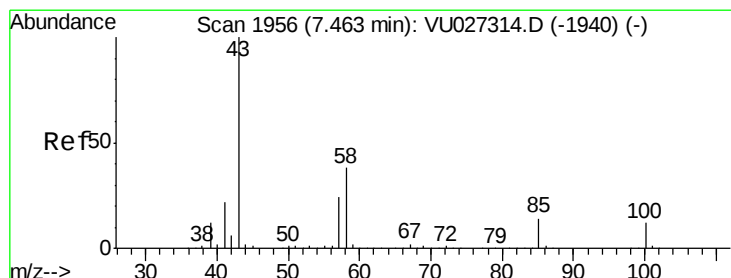
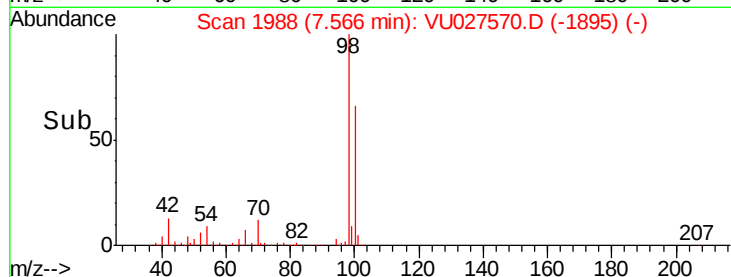
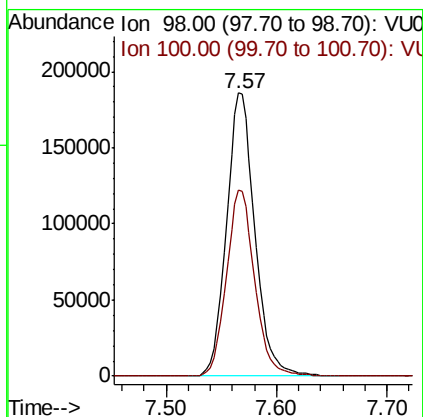
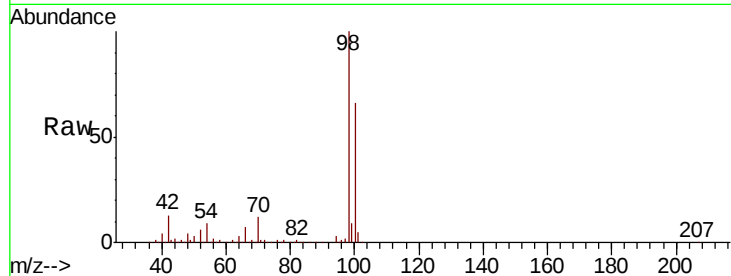




#50
Toluene-d8
Concen: 48.577 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027570.D
Acq: 10 Oct 2018 15:13

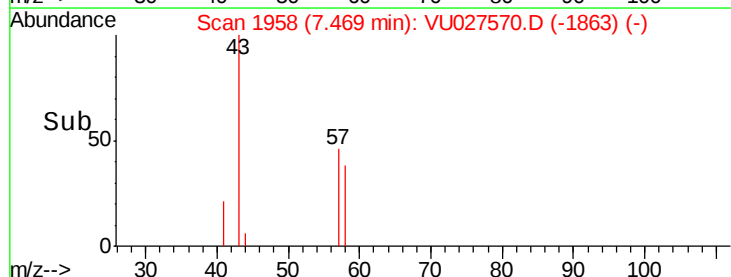
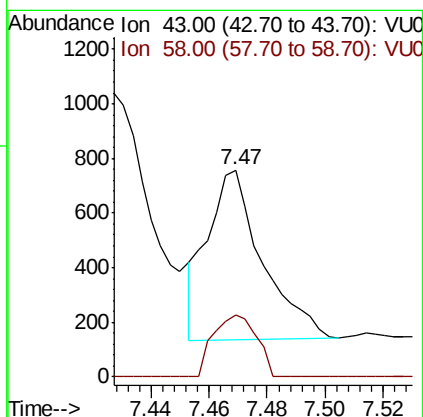
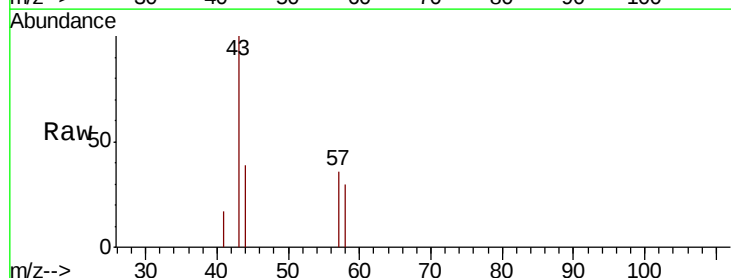
Instrument :
MSVOA_U
ClientSampleId :
PB113684ZHE#14

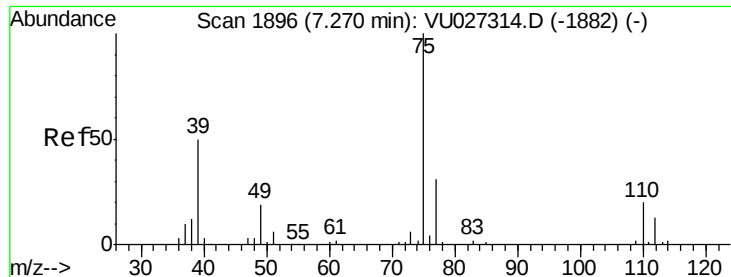
Tgt Ion: 98 Resp: 331145
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.217 ug/l
RT: 7.47 min Scan# 1958
Delta R.T. 0.01 min
Lab File: VU027570.D
Acq: 10 Oct 2018 15:13

Tgt Ion: 43 Resp: 815
Ion Ratio Lower Upper
43 100
58 28.7 29.8 44.8#





#54

cis-1,3-Dichloropropene

Concen: 0.217 ug/l

RT: 7.42 min Scan# 1944

Delta R.T. 0.15 min

Lab File: VU027570.D

Acq: 10 Oct 2018 15:13

Instrument :

MSVOA_U

ClientSampleId :

PB113684ZHE#14

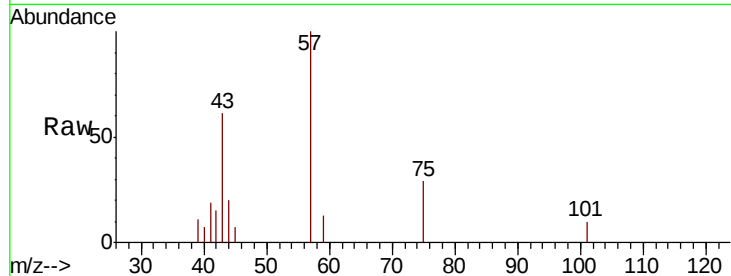
Tgt Ion: 75 Resp: 777

Ion Ratio Lower Upper

75 100

77 0.0 24.5 36.7#

39 38.9 40.1 60.1#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.42

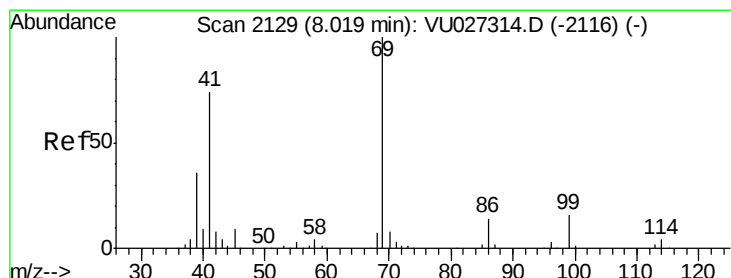
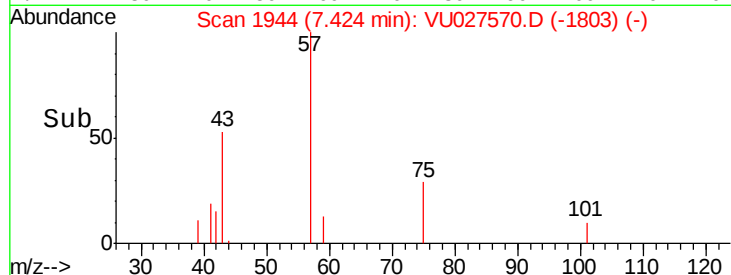
400

200

0

7.38 7.40 7.42 7.44 7.46

Time-->



#56

Ethyl methacrylate

Concen: 2.282 ug/l

RT: 7.86 min Scan# 2080

Delta R.T. -0.16 min

Lab File: VU027570.D

Acq: 10 Oct 2018 15:13

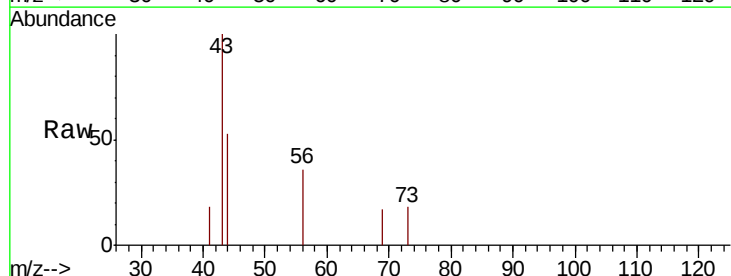
Tgt Ion: 69 Resp: 42

Ion Ratio Lower Upper

69 100

41 690.5 60.0 90.0#

39 273.8 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

250

200

150

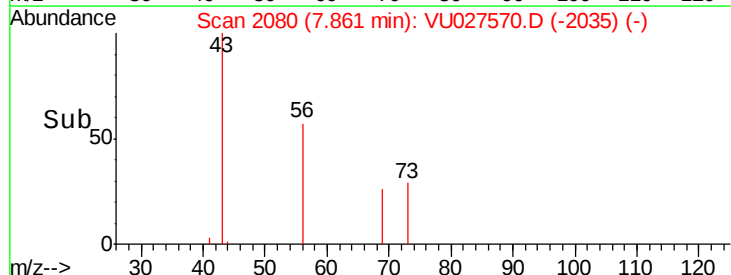
100

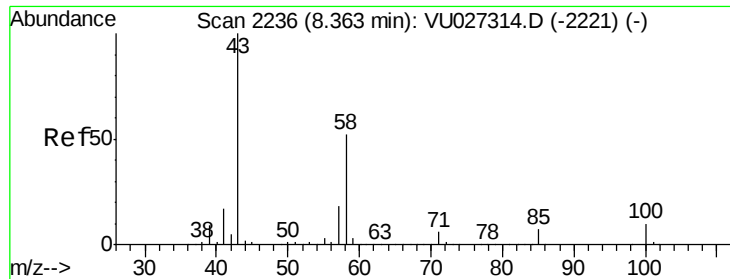
50

0

7.85 7.86 7.87

Time-->





#59

2-Hexanone

Concen: 3.042 ug/l

RT: 8.42 min Scan# 2254

Delta R.T. 0.06 min

Lab File: VU027570.D

Acq: 10 Oct 2018 15:13

Instrument :

MSVOA_U

ClientSampleId :

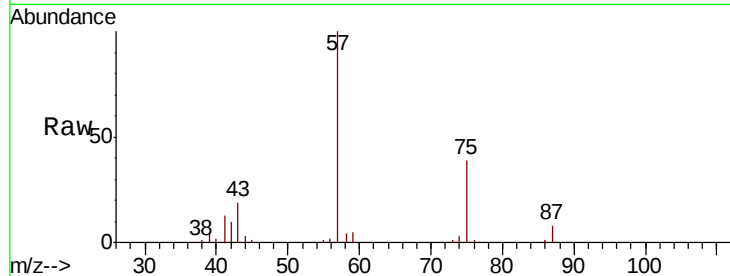
PB113684ZHE#14

Tgt Ion: 43 Resp: 8882

Ion Ratio Lower Upper

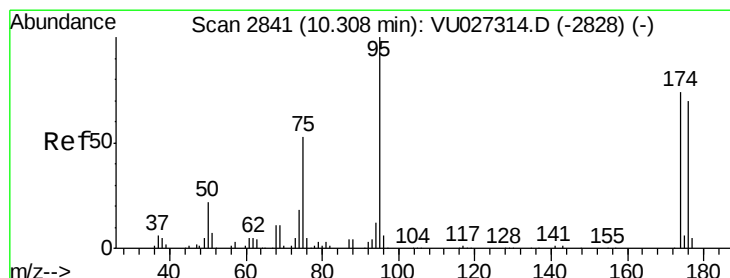
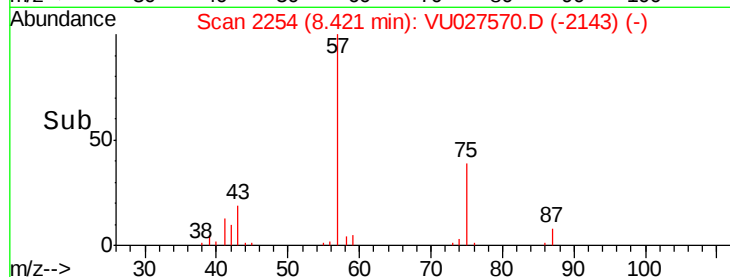
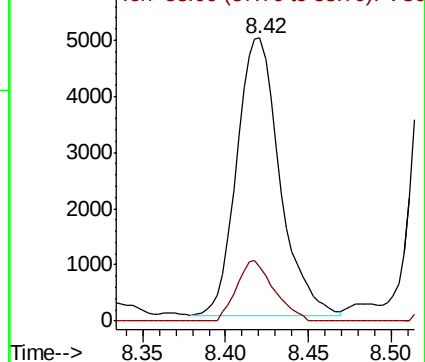
43 100

58 19.0 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: 42.492 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027570.D

Acq: 10 Oct 2018 15:13

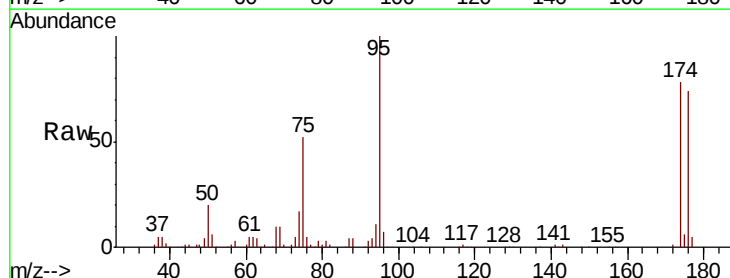
Tgt Ion: 95 Resp: 107652

Ion Ratio Lower Upper

95 100

174 77.7 0.0 147.8

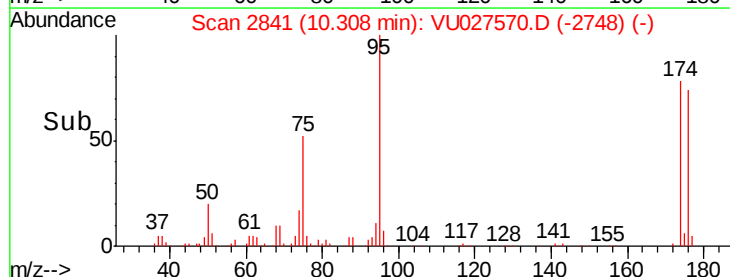
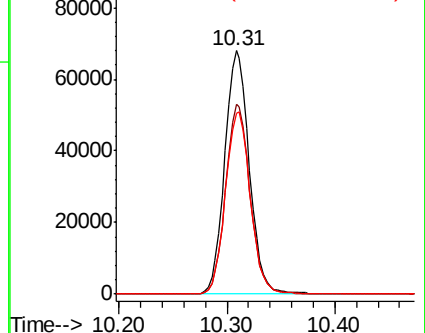
176 75.9 0.0 140.8

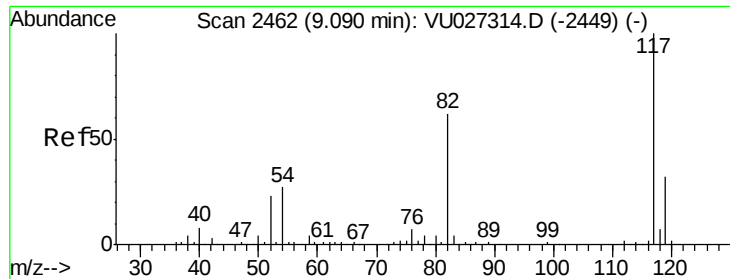


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

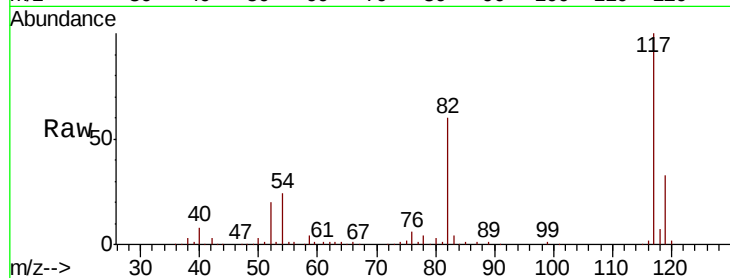




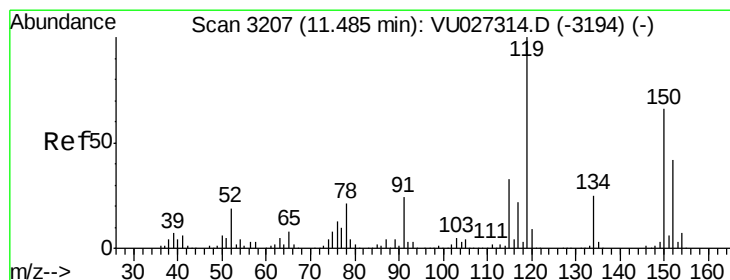
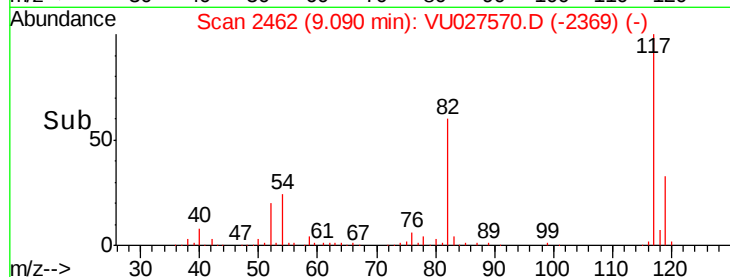
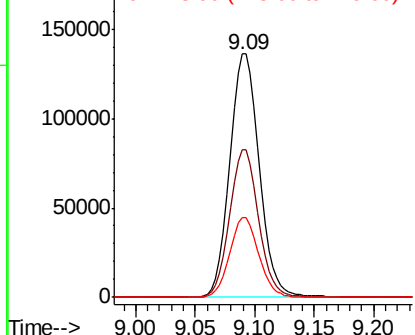
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027570.D
Acq: 10 Oct 2018 15:13

Instrument :
MSVOA_U
ClientSampleId :
PB113684ZHE#14

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.4	49.2	73.8
119	33.0	25.7	38.5

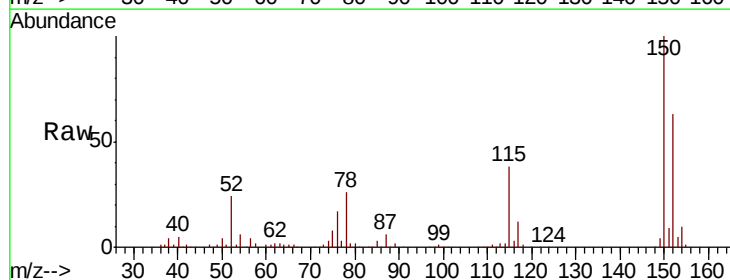


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

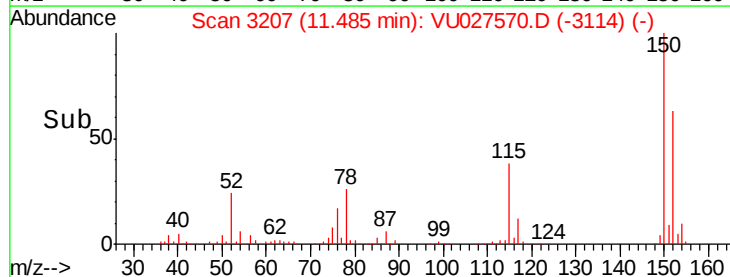
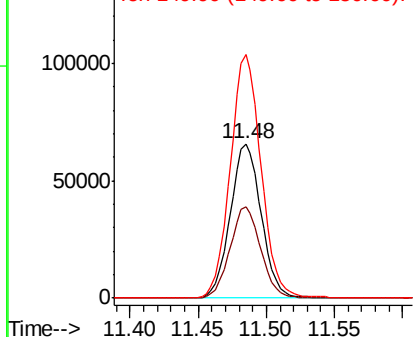


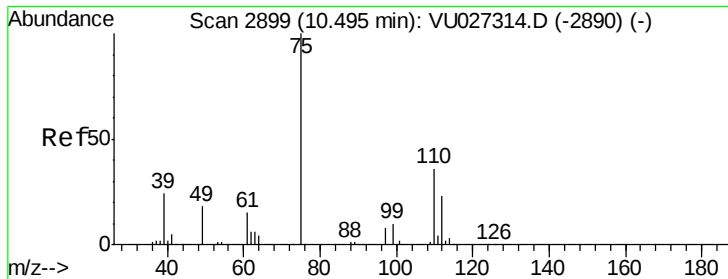
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027570.D
Acq: 10 Oct 2018 15:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	43.4	130.2
150	157.4	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: 20.930 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027570.D

Acq: 10 Oct 2018 15:13

Instrument :

MSVOA_U

ClientSampleId :

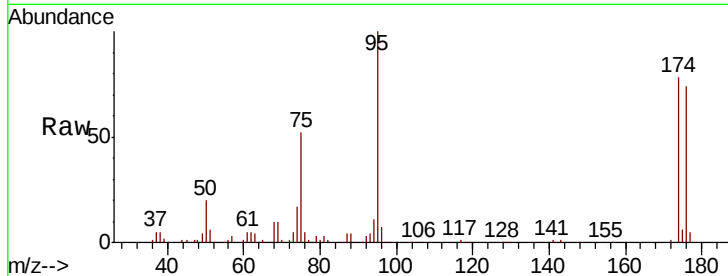
PB113684ZHE#14

Tgt Ion: 75 Resp: 56085

Ion Ratio Lower Upper

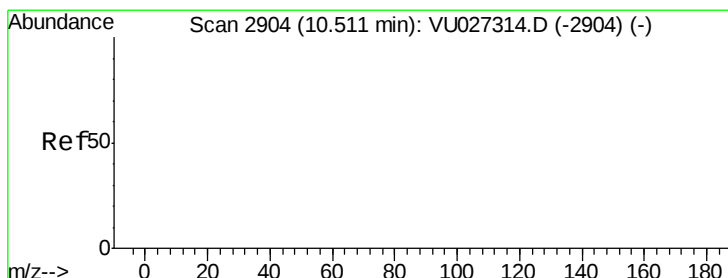
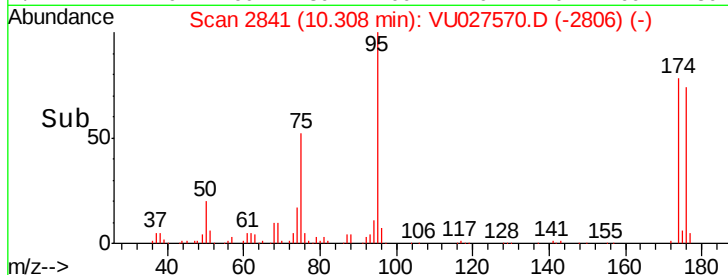
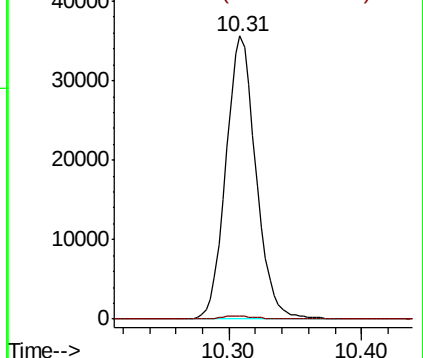
75 100

77 1.1 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: 54.775 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027570.D

Acq: 10 Oct 2018 15:13

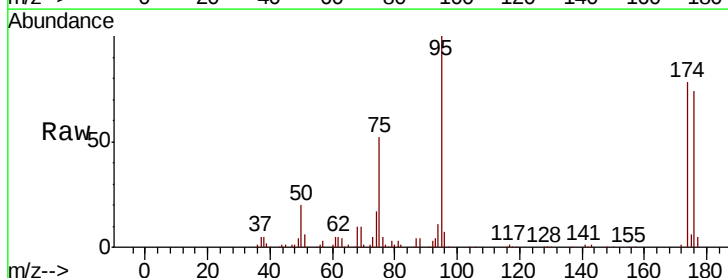
Tgt Ion: 75 Resp: 56085

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

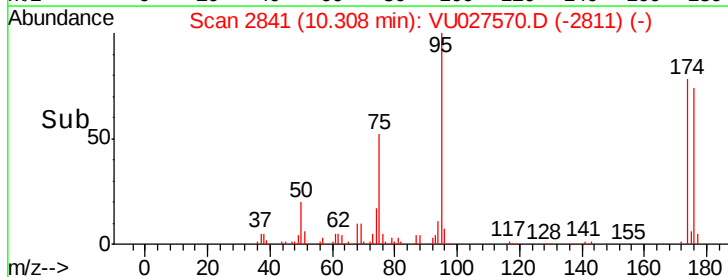
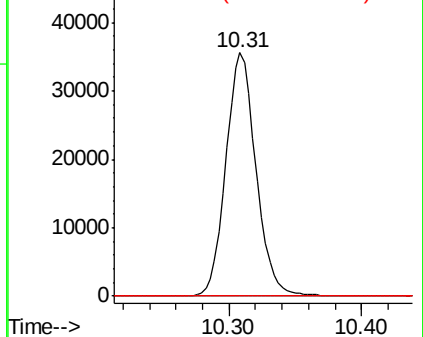
89 0.0 0.0 0.0

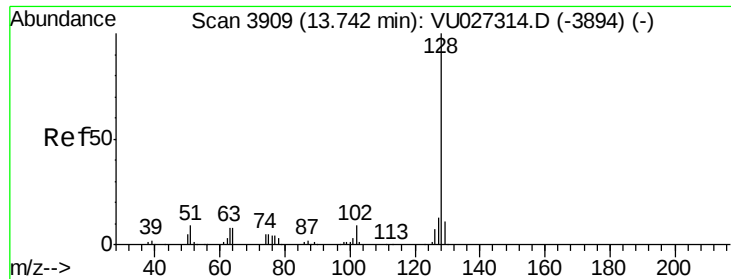


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 1.683 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU027570.D

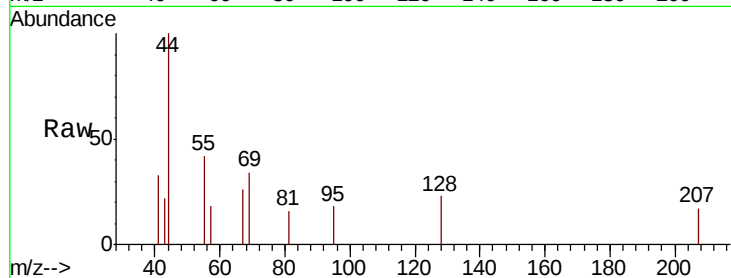
Acq: 10 Oct 2018 15:13

Instrument :

MSVOA_U

ClientSampleId :

PB113684ZHE#14



Tgt Ion:128 Resp: 188

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#

