

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027957.D
 Acq On : 05 Nov 2018 15:09
 Operator : MD/SY
 Sample : PB114473ZHE#12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#12

Quant Time: Nov 06 03:24:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	192664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	350010	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	312040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	136774	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	154891	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
35) Dibromofluoromethane	4.89	113	114182	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	7.57	98	448663	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	10.31	95	152757	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

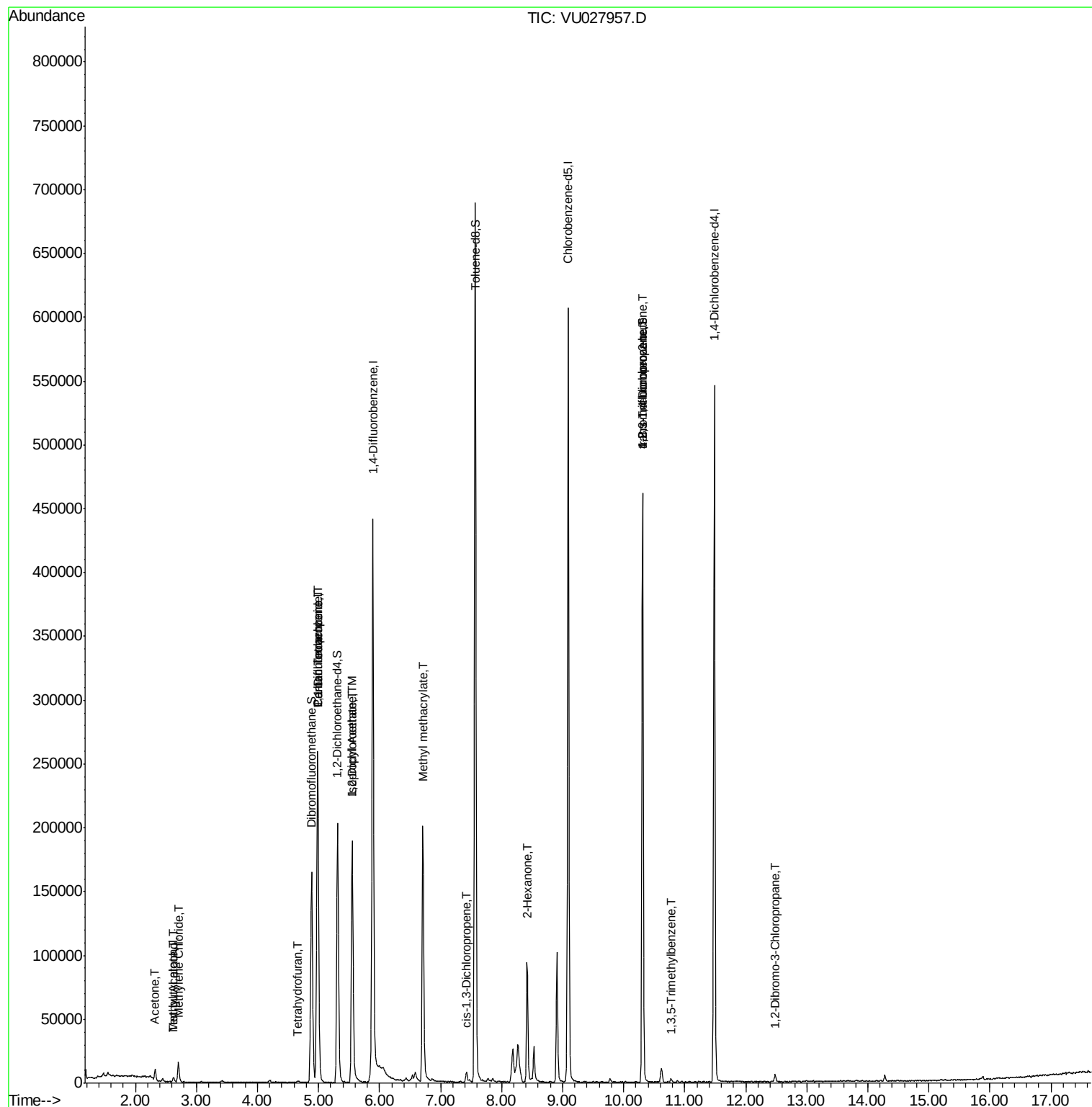
					Qvalue	
11) Tert butyl alcohol	2.63	59	246	0.324	ug/l #	73
13) Acrolein	2.25	56	70	Below Cal	#	1
16) Acetone	2.32	43	10351	5.824	ug/l	99
18) Methyl Acetate	2.62	43	5503	1.126	ug/l #	91
20) Methylene Chloride	2.71	84	6494	2.503	ug/l	97
29) Tetrahydrofuran	4.66	42	637	0.337	ug/l #	45
31) Cyclohexane	4.99	56	4315	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16615	4.532	ug/l #	49
38) Carbon Tetrachloride	4.99	117	19320	5.947	ug/l #	17
42) 1,2-Dichloroethane	5.56	62	985	0.247	ug/l #	76
43) Isopropyl Acetate	5.55	43	232226	27.597	ug/l	99
48) Methyl methacrylate	6.71	41	19085	4.628	ug/l #	47
54) cis-1,3-Dichloropropene	7.43	75	1195	0.271	ug/l #	75
59) 2-Hexanone	8.42	43	13905	3.199	ug/l #	50
76) 1,2,3-Trichloropropane	10.31	75	80429	21.498	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	1852	0.211	ug/l #	63
81) trans-1,4-Dichloro-2-buten	10.31	75	80429	53.658	ug/l #	100
92) 1,2-Dibromo-3-Chloropropan	12.49	75	188	0.209	ug/l #	4
95) Naphthalene	13.79	128	95	Below Cal	#	69

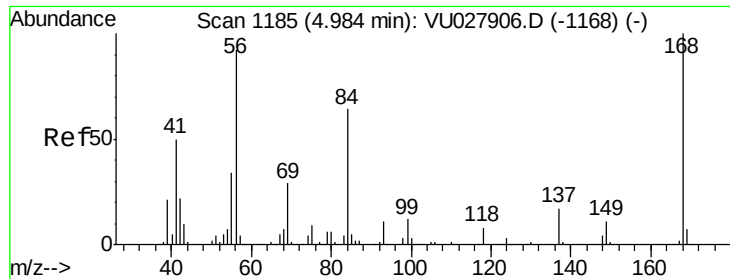
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 02 02:28:20 2018
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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: VU027957.D

Acq: 05 Nov 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

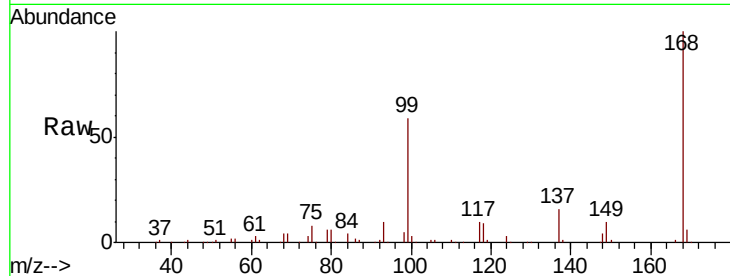
PB114473ZHE#12

Tot Ion:168 Resp: 192664

Ion Ratio Lower Upper

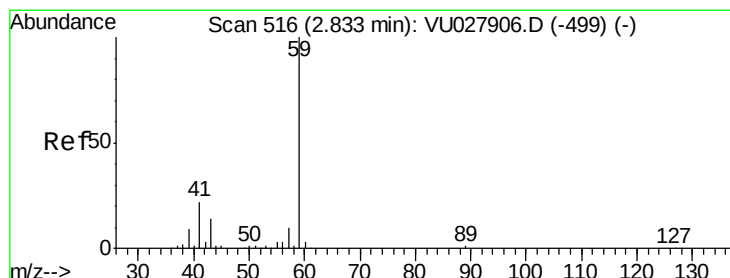
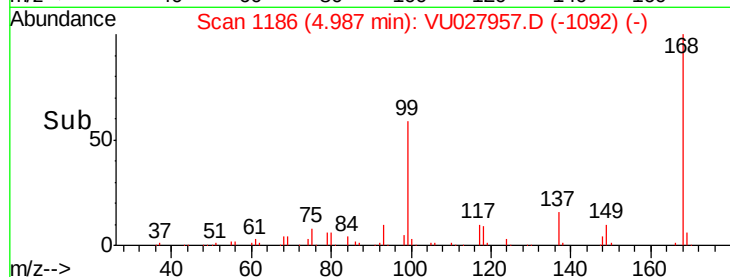
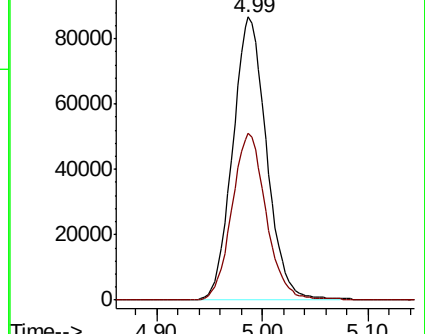
168 100

99 58.8 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)



#11

Tert butyl alcohol

Concen: 0.324 ug/l

RT: 2.63 min Scan# 453

Delta R.T. -0.20 min

Lab File: VU027957.D

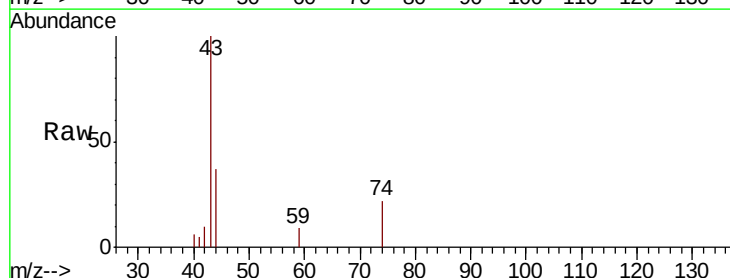
Acq: 05 Nov 2018 15:09

Tgt Ion: 59 Resp: 246

Ion Ratio Lower Upper

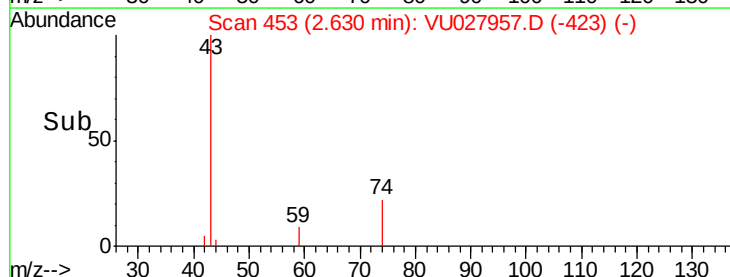
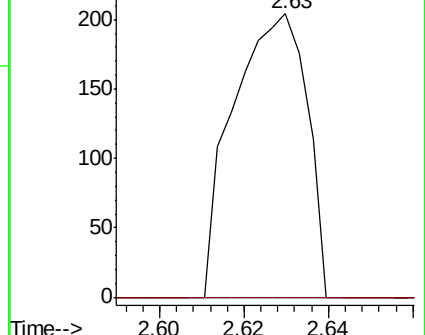
59 100

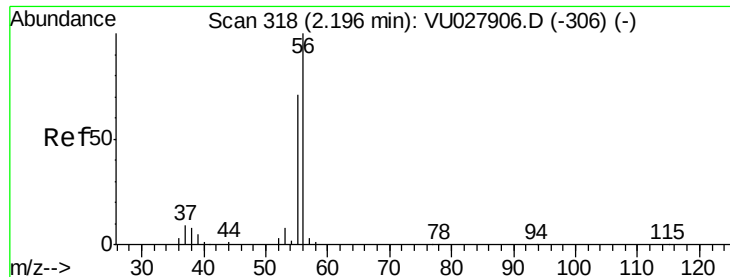
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VU027906.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027906.D (-499) (-)





#13

Acrolein

Concen: Below Cal

RT: 2.25 min Scan# 334

Delta R.T. 0.05 min

Lab File: VU027957.D

Acq: 05 Nov 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

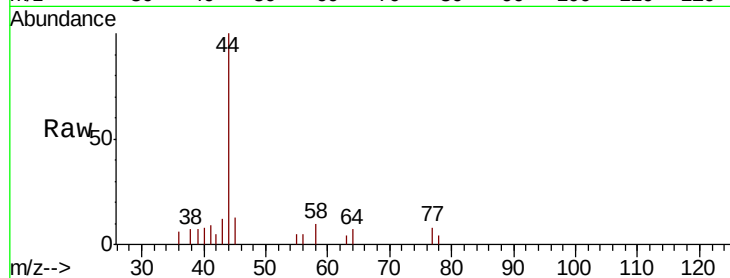
PB114473ZHE#12

Tot Ion: 56 Resp: 70

Ion Ratio Lower Upper

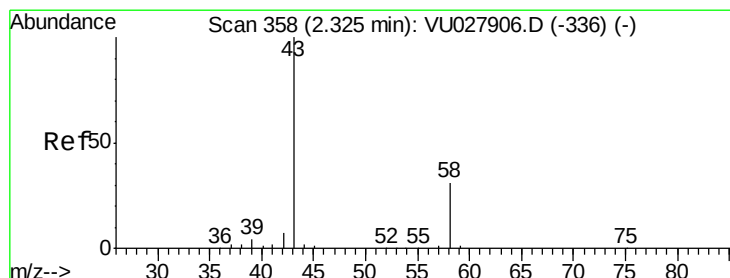
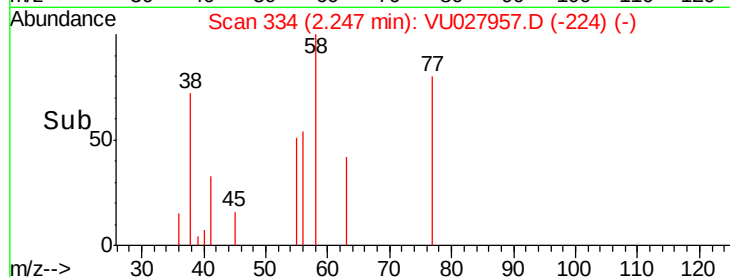
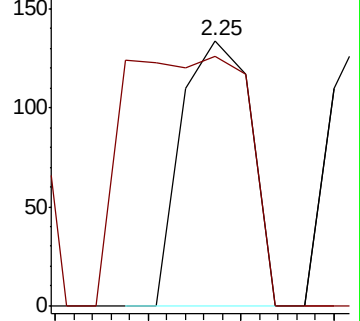
56 100

55 168.6 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 5.824 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027957.D

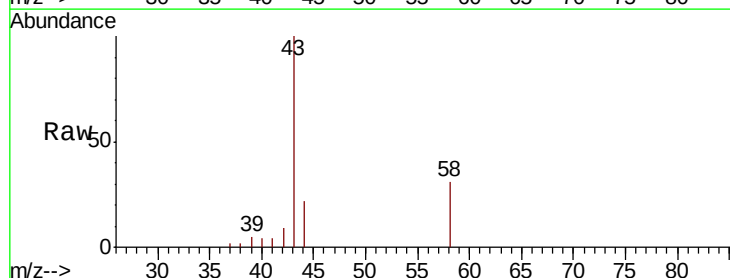
Acq: 05 Nov 2018 15:09

Tgt Ion: 43 Resp: 10351

Ion Ratio Lower Upper

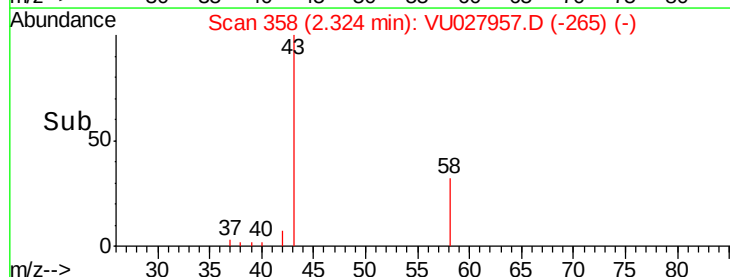
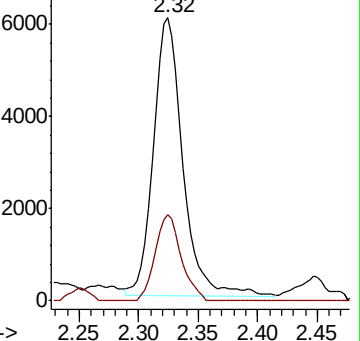
43 100

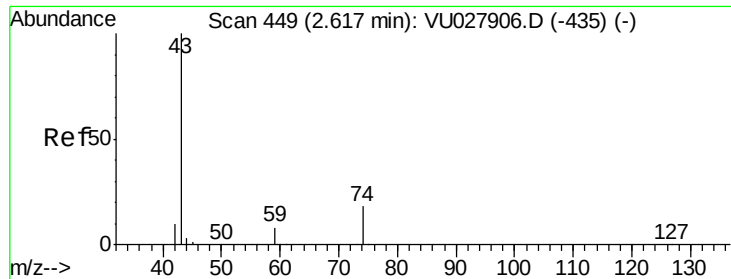
58 31.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

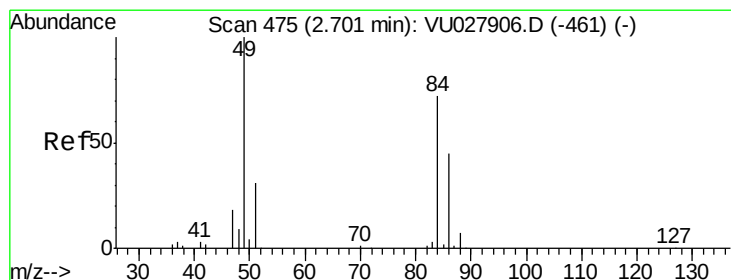
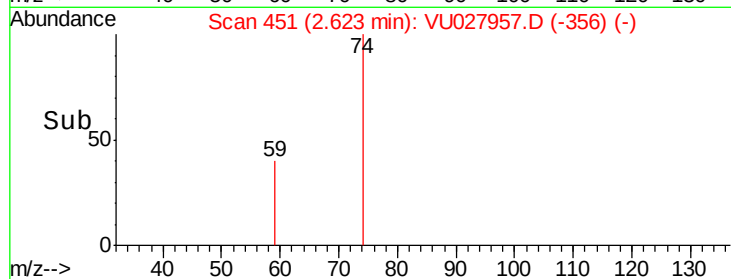
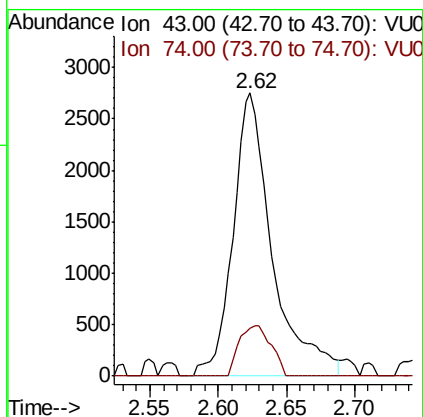
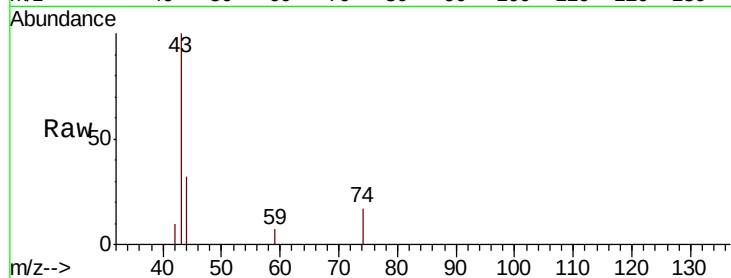




#18
Methyl Acetate
Concen: 1.126 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU027957.D
Acq: 05 Nov 2018 15:09

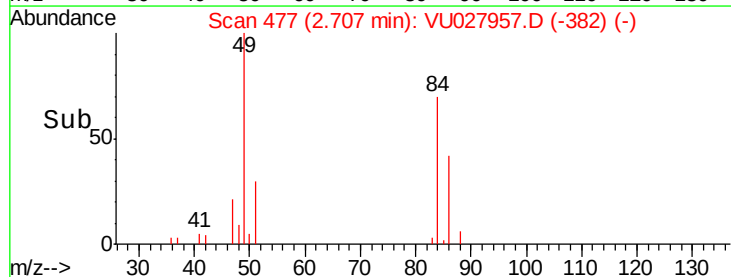
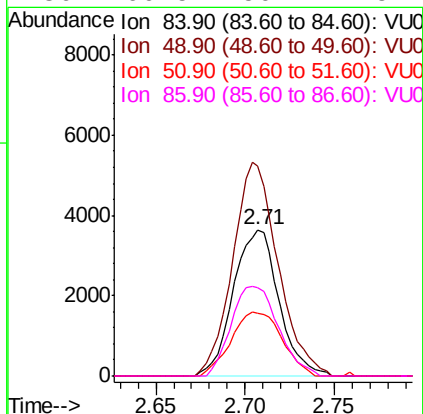
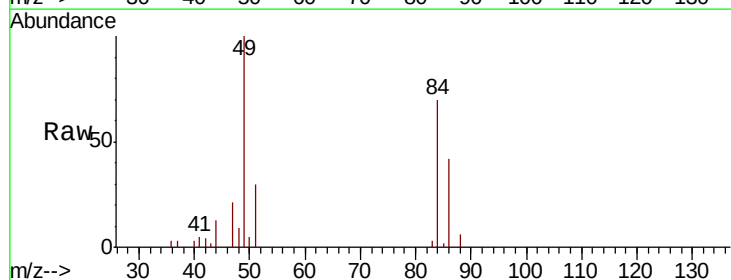
Instrument :
MSVOA_U
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PB114473ZHE#12

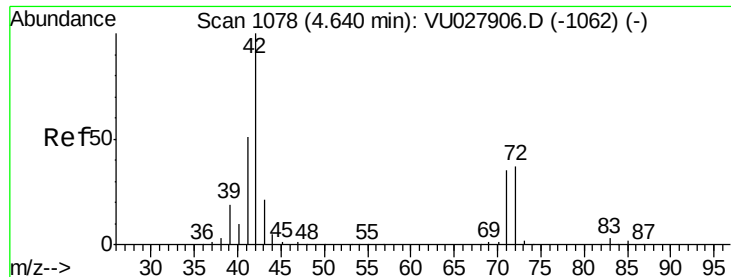
Tot Ion: 43 Resp: 5503
Ion Ratio Lower Upper
43 100
74 14.5 14.9 22.3#



#20
Methylene Chloride
Concen: 2.503 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.01 min
Lab File: VU027957.D
Acq: 05 Nov 2018 15:09

Tgt Ion: 84 Resp: 6494
Ion Ratio Lower Upper
84 100
49 143.5 111.6 167.4
51 42.6 34.8 52.2
86 60.5 50.1 75.1

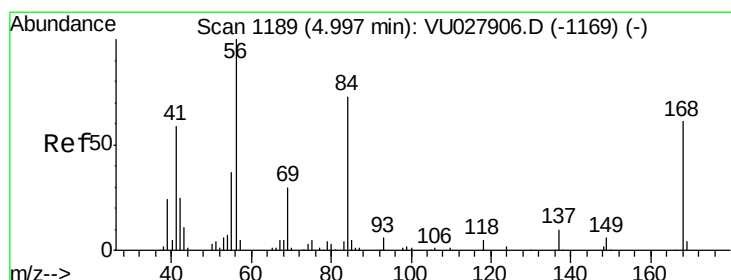
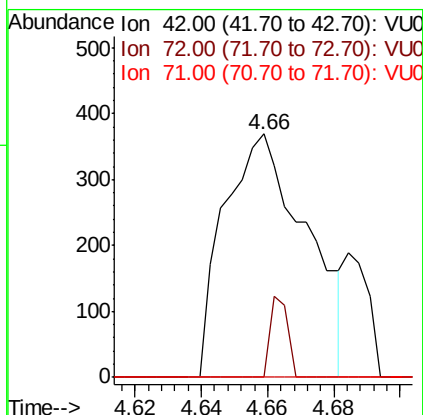
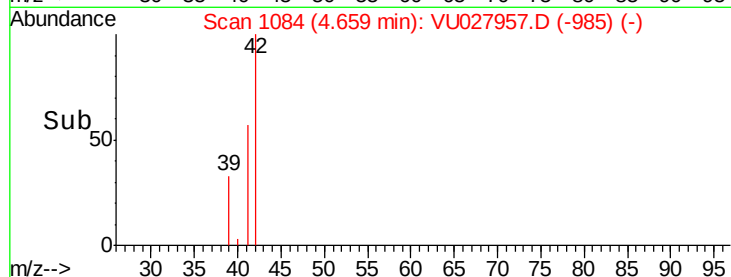
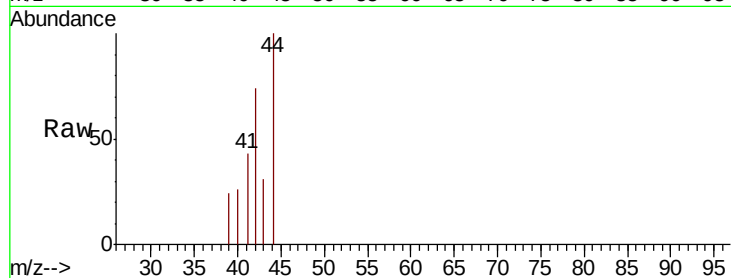




#29
Tetrahydrofuran
Concen: 0.337 ug/l
RT: 4.66 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VU027957.D
Acq: 05 Nov 2018 15:09

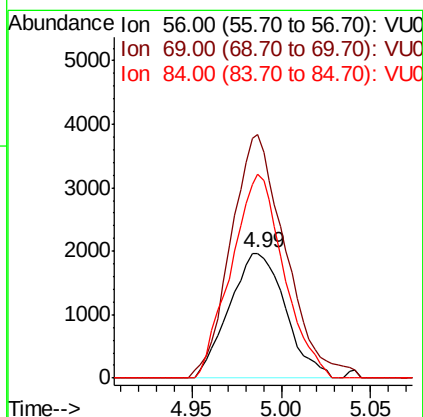
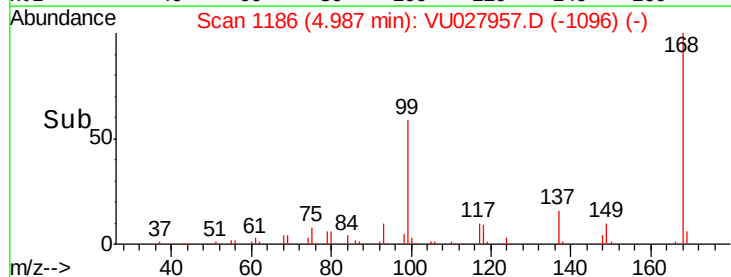
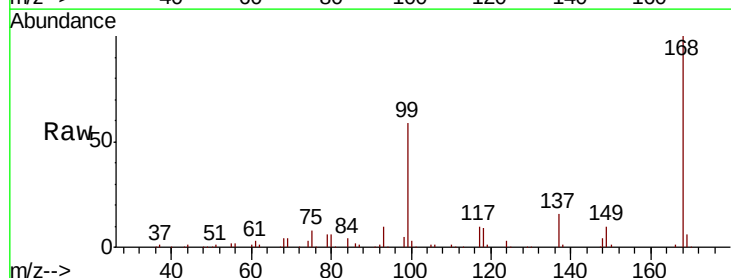
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#12

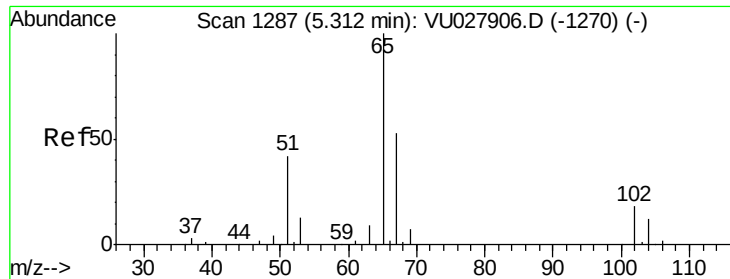
Tot Ion: 42 Resp: 637
Ion Ratio Lower Upper
42 100
72 7.1 29.4 44.0#
71 0.0 27.9 41.9#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027957.D
Acq: 05 Nov 2018 15:09

Tgt Ion: 56 Resp: 4315
Ion Ratio Lower Upper
56 100
69 194.5 23.7 35.5#
84 163.2 58.2 87.4#

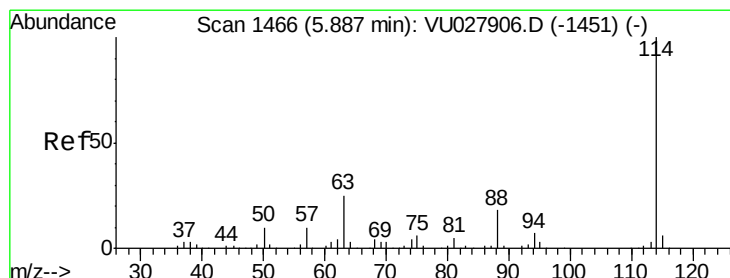
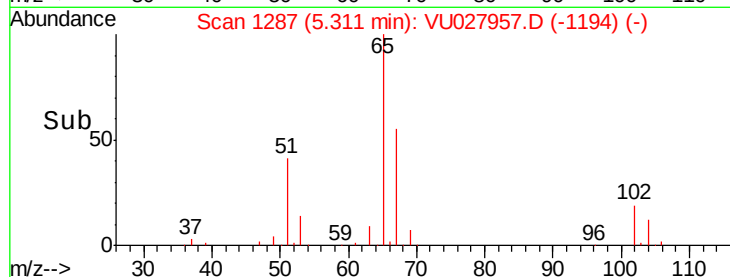
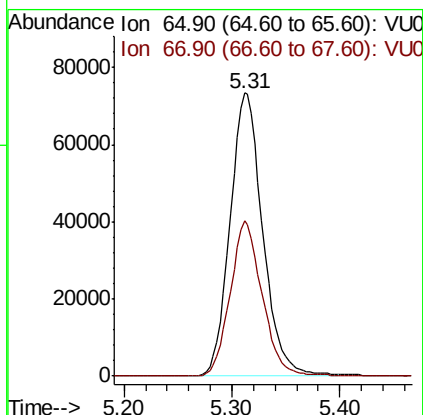
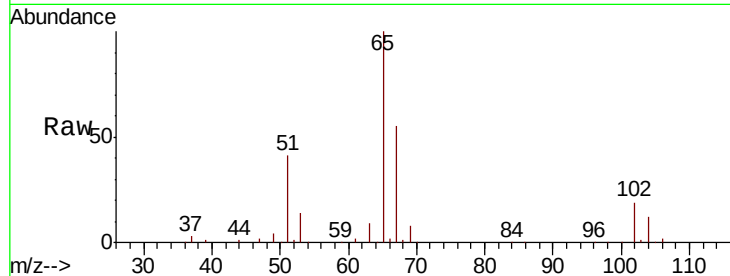




#33
 1,2-Dichloroethane-d4
 Concen: 54.074 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027957.D
 Acq: 05 Nov 2018 15:09

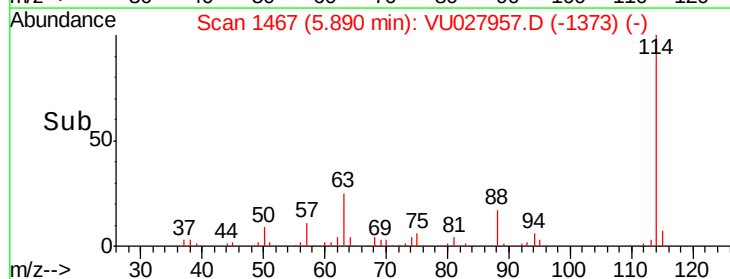
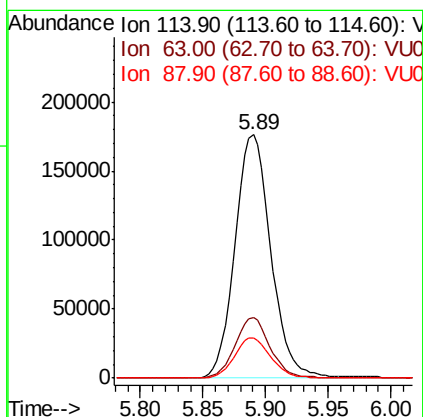
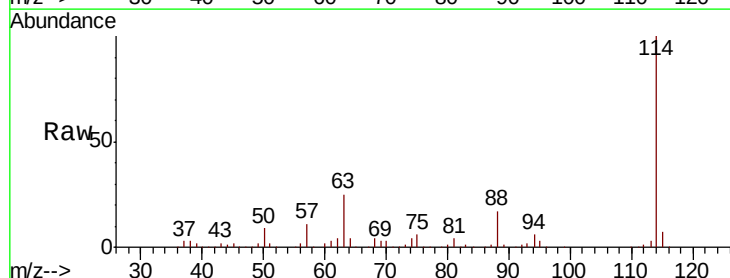
Instrument :
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 ClientSampleId :
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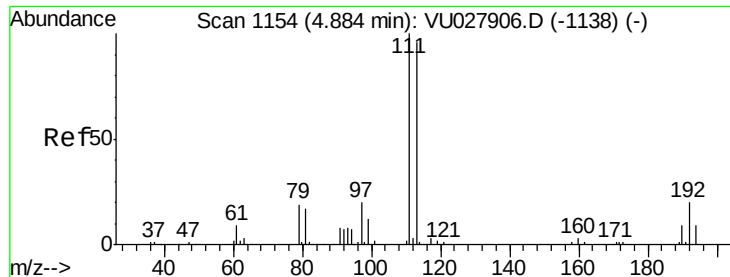
Tot Ion: 65 Resp: 154891
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027957.D
 Acq: 05 Nov 2018 15:09

Tgt Ion: 114 Resp: 350010
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 50.8
 88 16.6 0.0 35.8

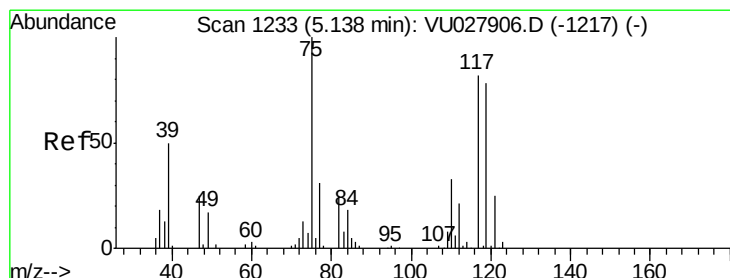
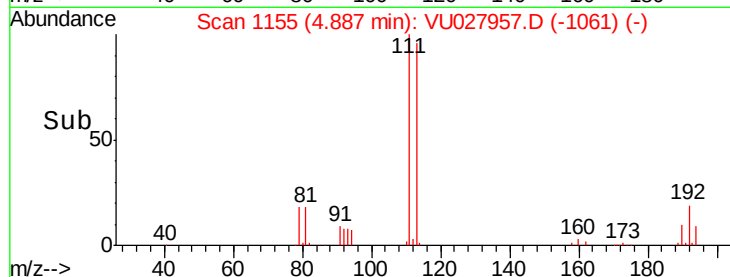
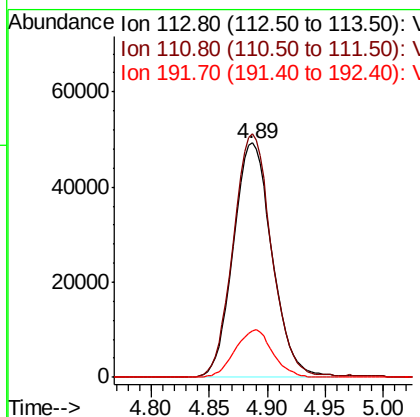
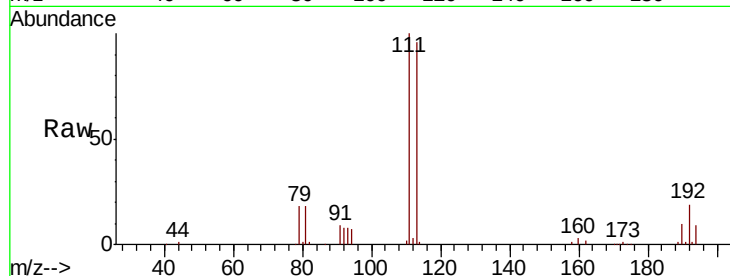




#35
 Dibromofluoromethane
 Concen: 51.739 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027957.D
 Acq: 05 Nov 2018 15:09

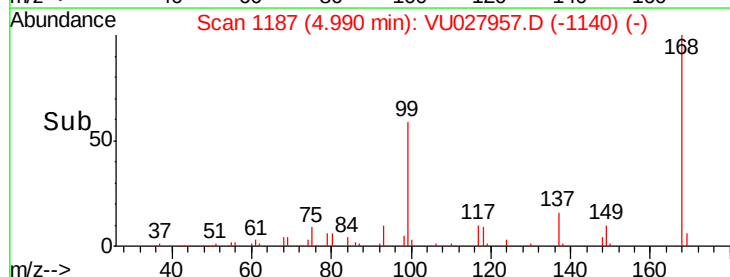
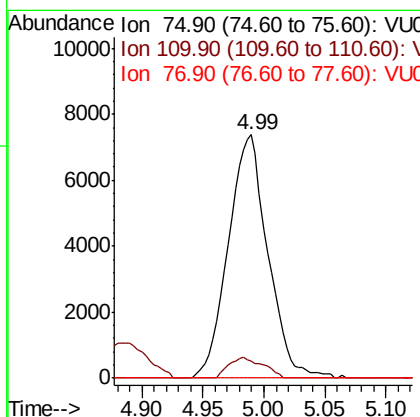
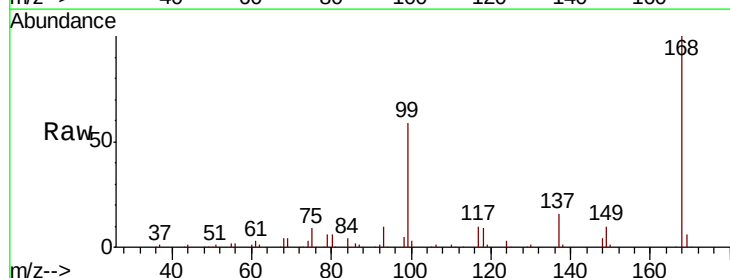
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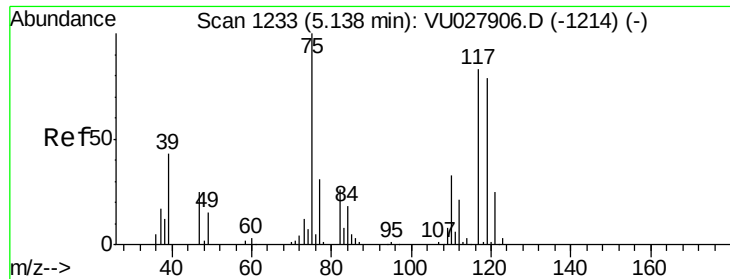
Tot Ion:113 Resp: 114182
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.0 124.6
 192 19.8 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.532 ug/l
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.15 min
 Lab File: VU027957.D
 Acq: 05 Nov 2018 15:09

Tgt Ion: 75 Resp: 16615
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.5 49.5#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.947 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027957.D

Acq: 05 Nov 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#12

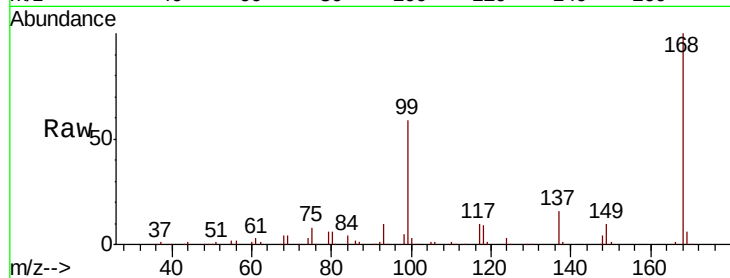
Tot Ion:117 Resp: 19320

Ion Ratio Lower Upper

117 100

119 5.3 76.0 114.0#

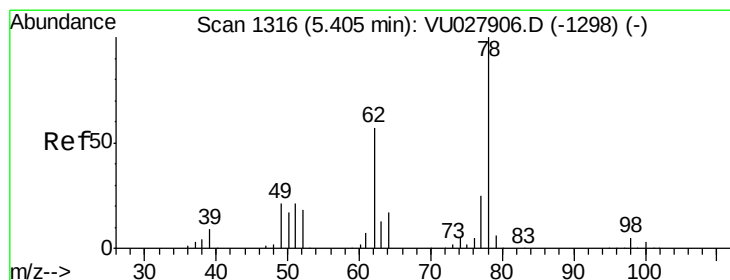
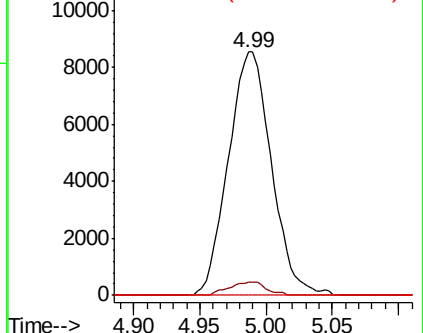
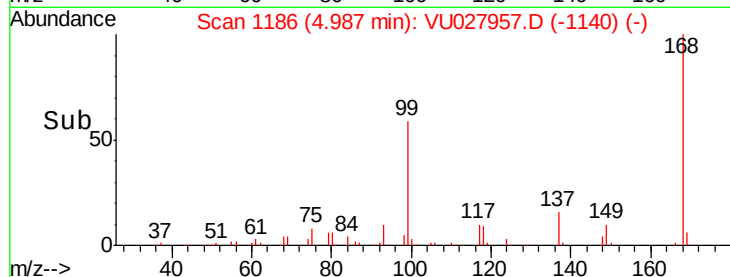
121 0.0 24.5 36.7#



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



#42

1,2-Dichloroethane

Concen: 0.247 ug/l

RT: 5.56 min Scan# 1363

Delta R.T. 0.15 min

Lab File: VU027957.D

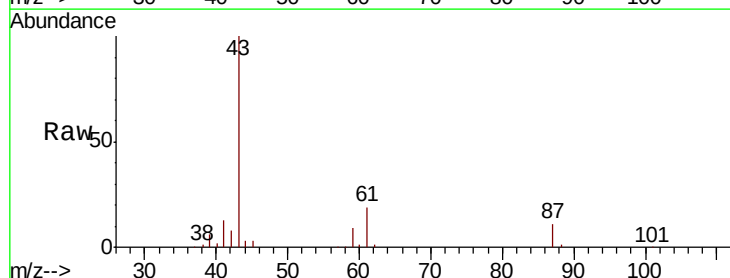
Acq: 05 Nov 2018 15:09

Tgt Ion: 62 Resp: 985

Ion Ratio Lower Upper

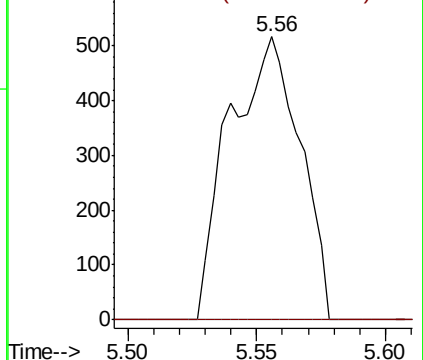
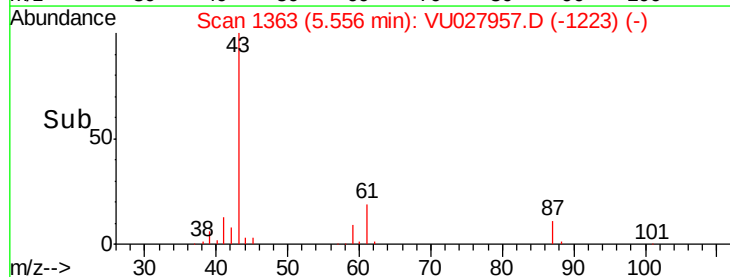
62 100

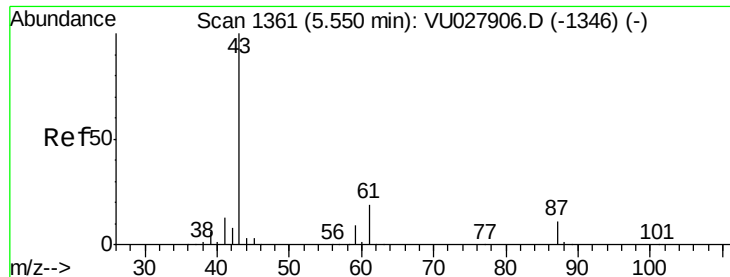
98 0.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 27.597 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027957.D

Acq: 05 Nov 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#12

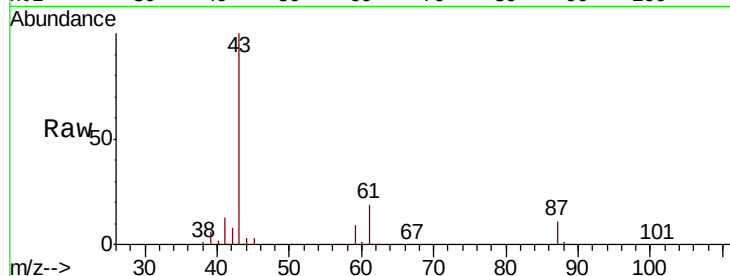
Tot Ion: 43 Resp: 232226

Ion Ratio Lower Upper

43 100

61 17.9 15.0 22.4

87 10.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1346) (-)

Ion 61.00 (60.70 to 61.70): VU027906.D (-1346) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-1346) (-)

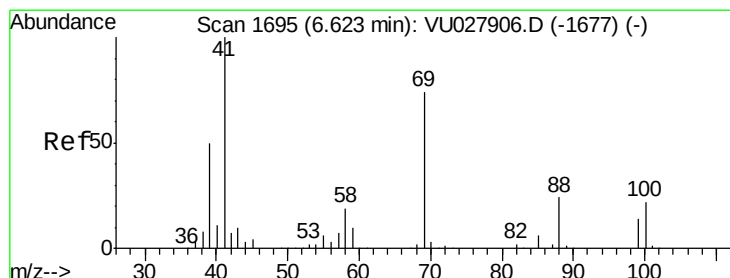
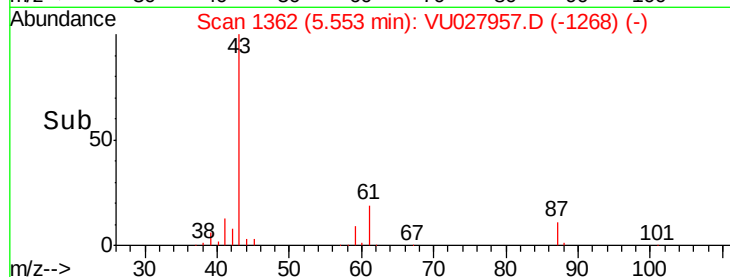
5.55

100000

50000

0

Time-->



#48

Methyl methacrylate

Concen: 4.628 ug/l

RT: 6.71 min Scan# 1721

Delta R.T. 0.08 min

Lab File: VU027957.D

Acq: 05 Nov 2018 15:09

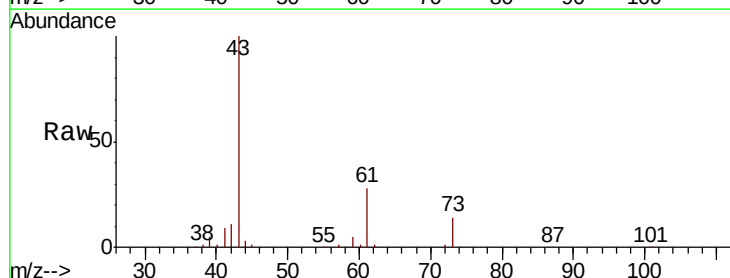
Tgt Ion: 41 Resp: 19085

Ion Ratio Lower Upper

41 100

69 0.0 59.8 89.8#

39 49.5 40.0 60.0



Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-1677) (-)

Ion 69.00 (68.70 to 69.70): VU027906.D (-1677) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-1677) (-)

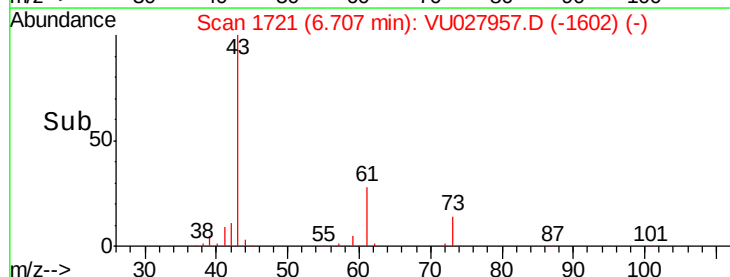
6.71

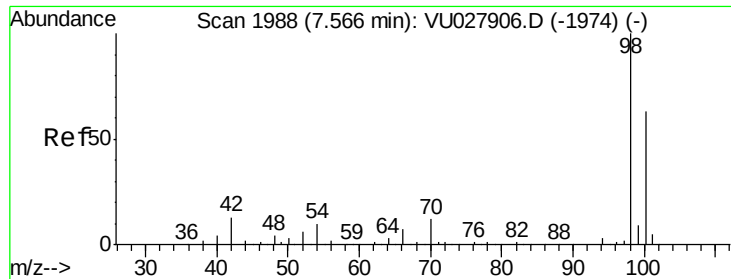
10000

5000

0

Time-->





#50

Toluene-d8

Concen: 52.629 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027957.D

Acq: 05 Nov 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

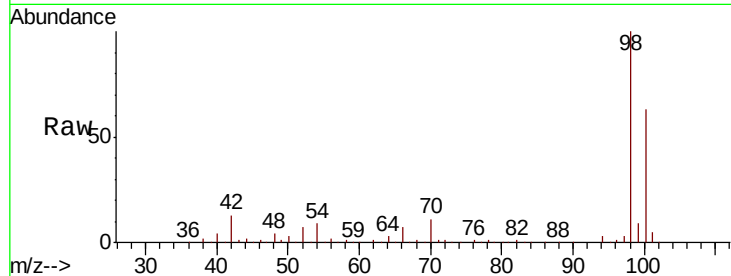
PB114473ZHE#12

Tot Ion: 98 Resp: 448663

Ion Ratio Lower Upper

98 100

100 62.5 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027906.D (-1974) (-)

7.57

250000

200000

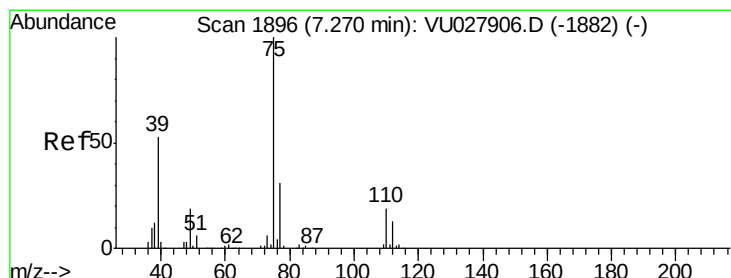
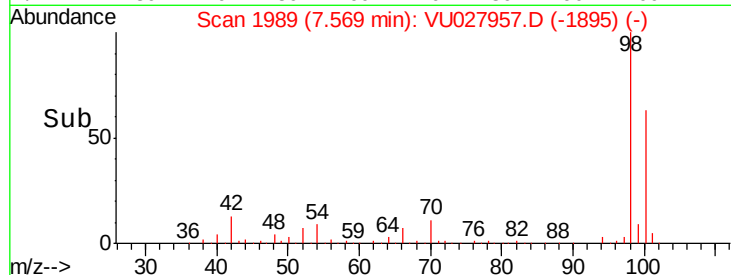
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.271 ug/l

RT: 7.43 min Scan# 1945

Delta R.T. 0.16 min

Lab File: VU027957.D

Acq: 05 Nov 2018 15:09

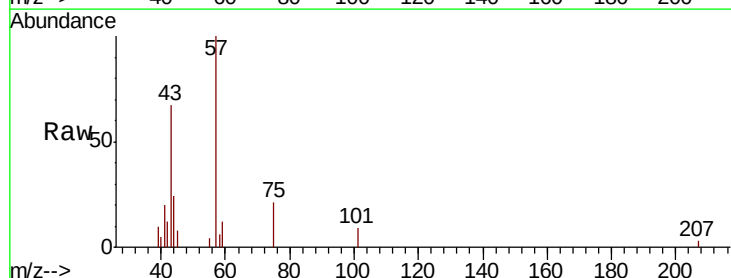
Tgt Ion: 75 Resp: 1195

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 47.9 42.6 64.0



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-1882) (-)

Ion 76.90 (76.60 to 77.60): VU027906.D (-1882) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-1882) (-)

7.43

800

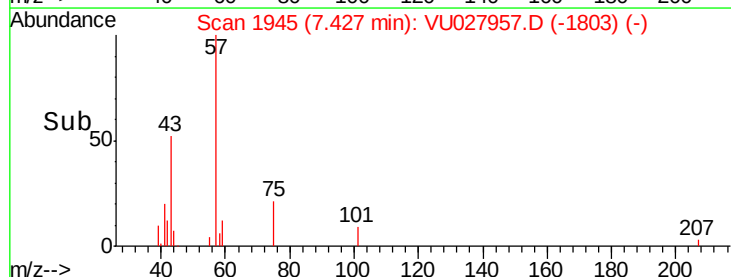
600

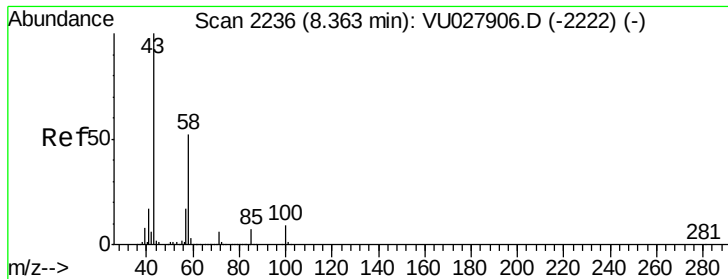
400

200

0

Time-->





#59

2-Hexanone

Concen: 3.199 ug/l

RT: 8.42 min Scan# 2254

Delta R.T. 0.06 min

Lab File: VU027957.D

Acq: 05 Nov 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

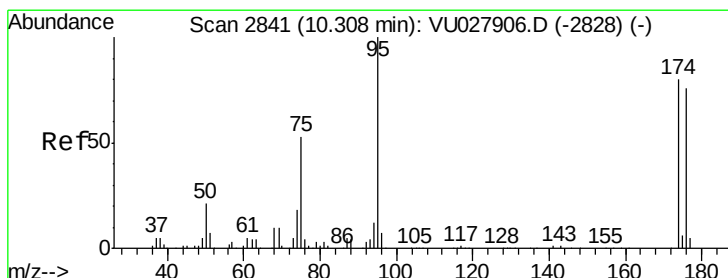
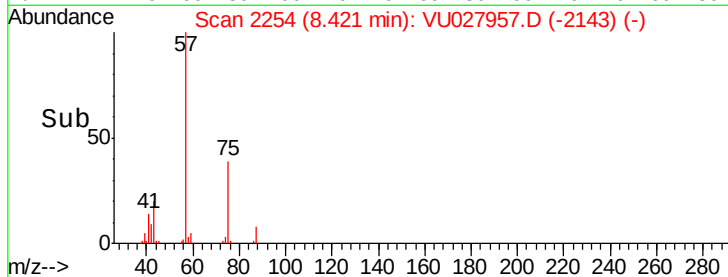
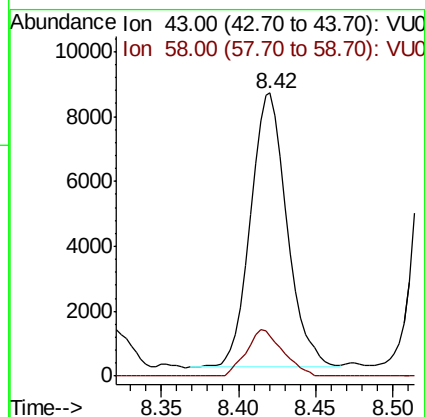
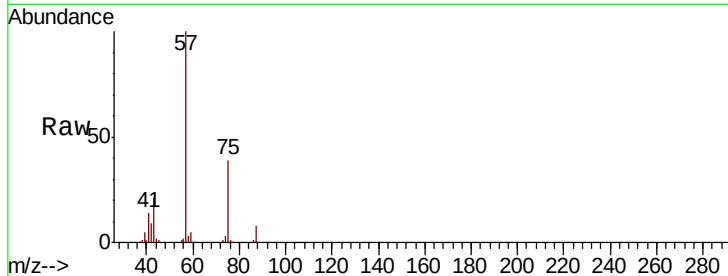
PB114473ZHE#12

Tot Ion: 43 Resp: 13905

Ion Ratio Lower Upper

43 100

58 16.9 25.8 77.3#



#62

4-Bromofluorobenzene

Concen: 48.581 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027957.D

Acq: 05 Nov 2018 15:09

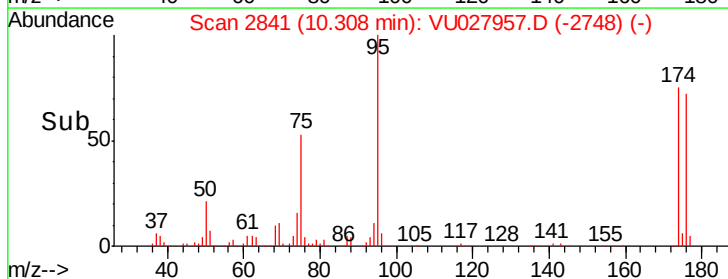
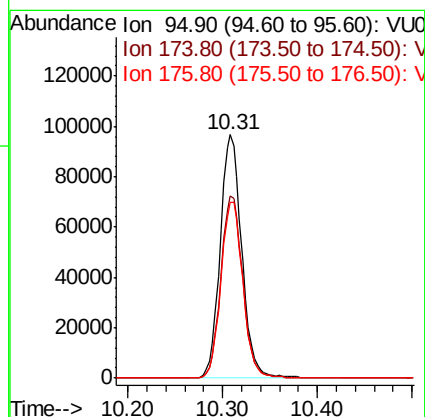
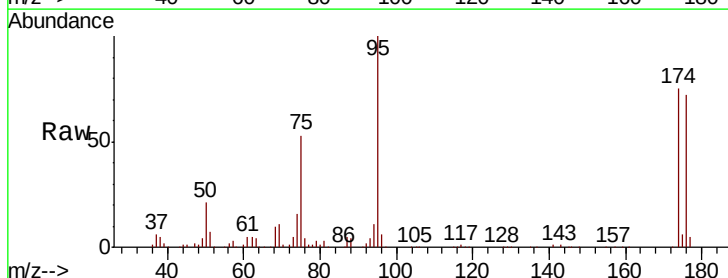
Tgt Ion: 95 Resp: 152757

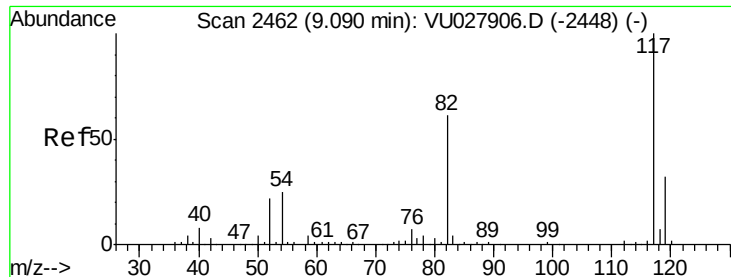
Ion Ratio Lower Upper

95 100

174 76.2 0.0 156.4

176 73.9 0.0 150.8

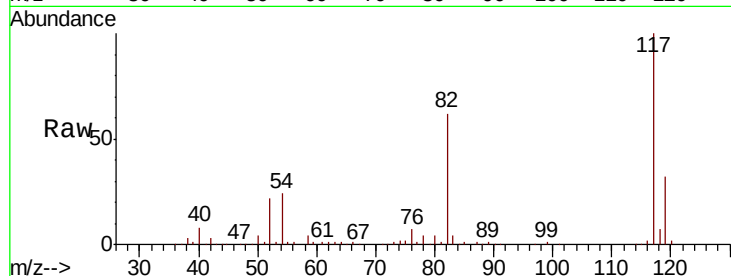




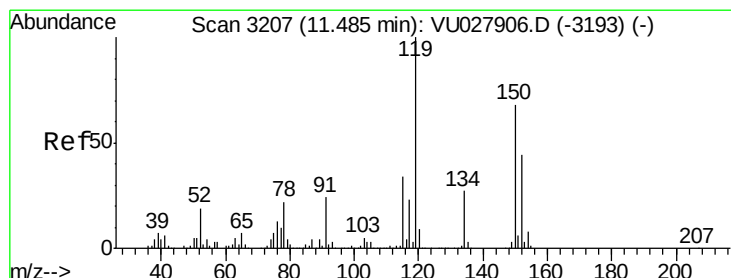
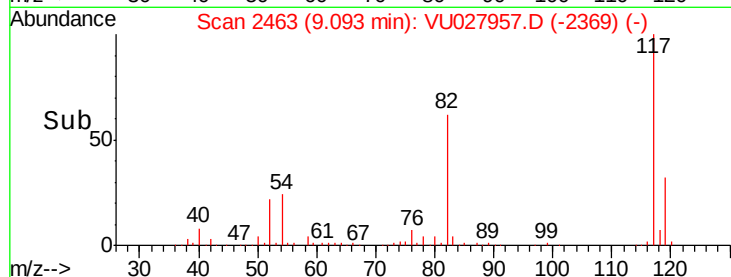
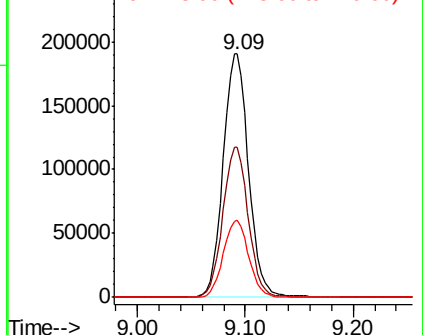
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027957.D
Acq: 05 Nov 2018 15:09

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#12

Tot Ion:117 Resp: 312040
Ion Ratio Lower Upper
117 100
82 61.5 48.6 73.0
119 31.6 25.8 38.8

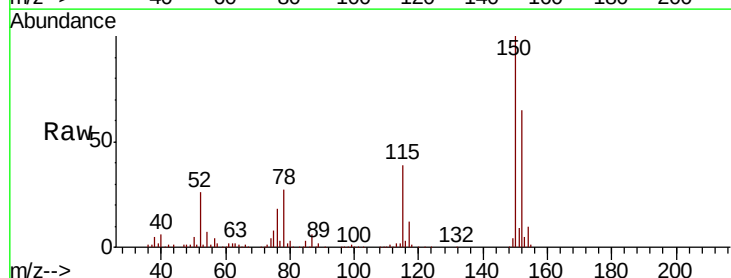


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

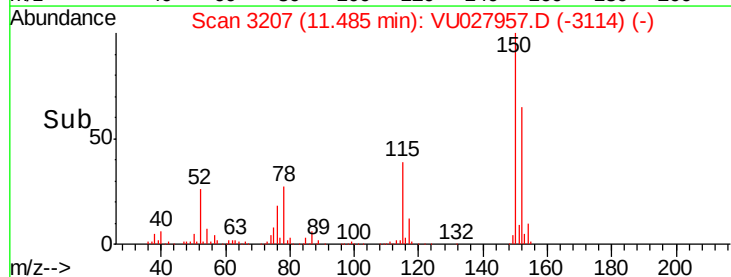
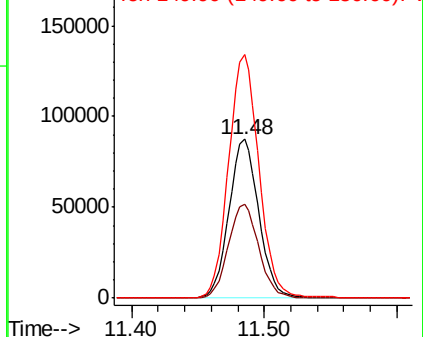


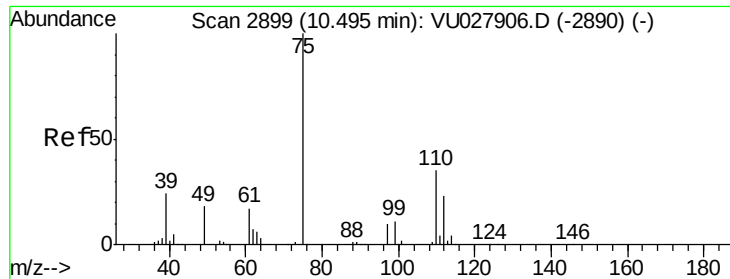
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027957.D
Acq: 05 Nov 2018 15:09

Tgt Ion:152 Resp: 136774
Ion Ratio Lower Upper
152 100
115 60.0 43.0 129.0
150 156.6 0.0 349.4



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: 21.498 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027957.D

Acq: 05 Nov 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

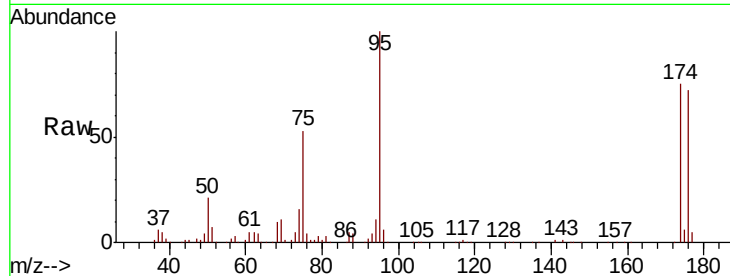
PB114473ZHE#12

Tot Ion: 75 Resp: 80429

Ion Ratio Lower Upper

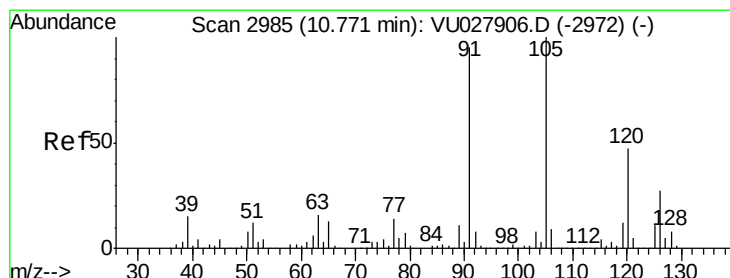
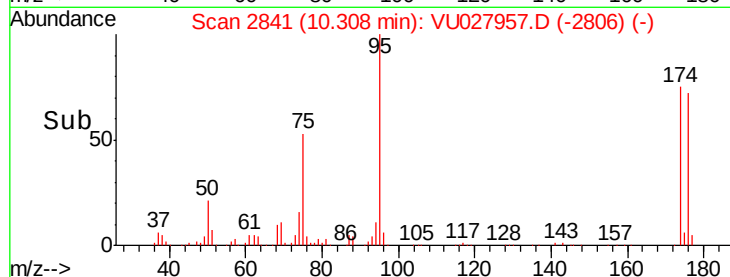
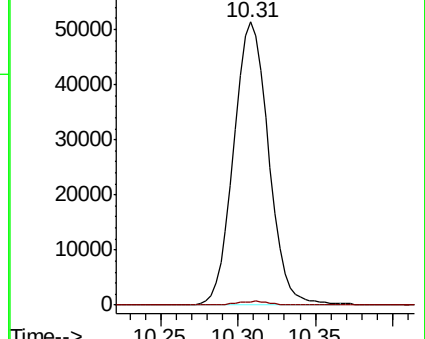
75 100

77 1.3 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-2890) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.211 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027957.D

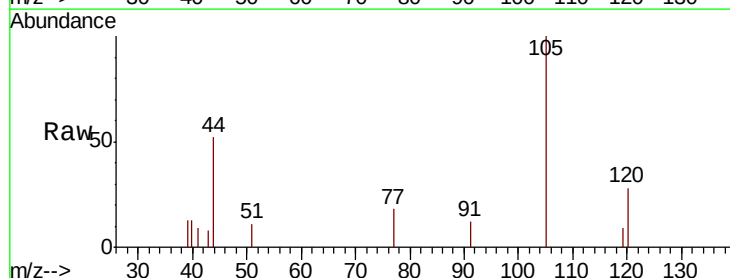
Acq: 05 Nov 2018 15:09

Tgt Ion:105 Resp: 1852

Ion Ratio Lower Upper

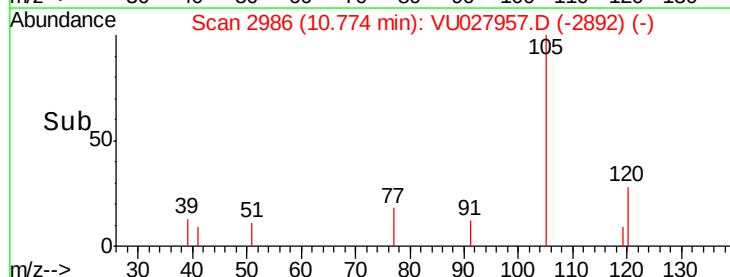
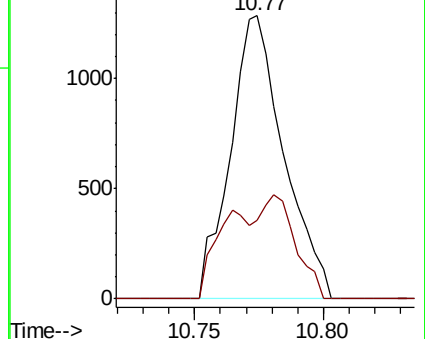
105 100

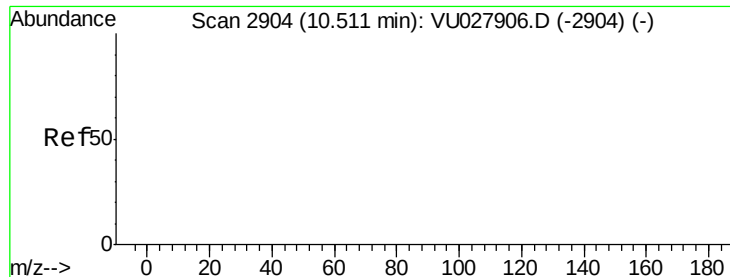
120 22.2 23.3 69.9#



Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027906.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.658 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027957.D

Acq: 05 Nov 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#12

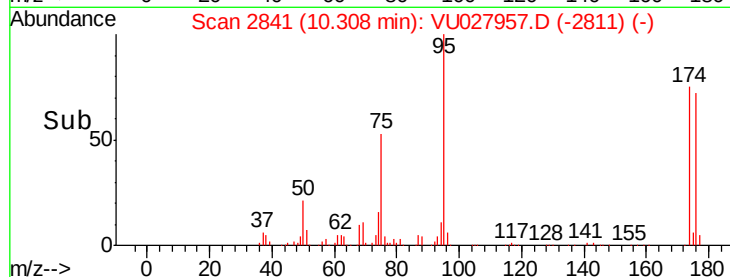
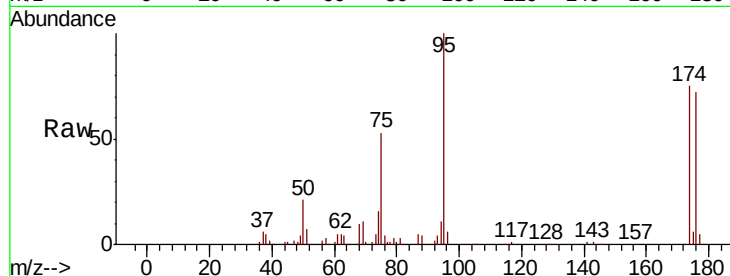
Tot Ion: 75 Resp: 80429

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

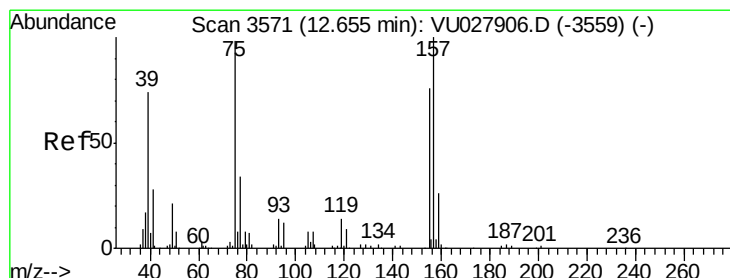
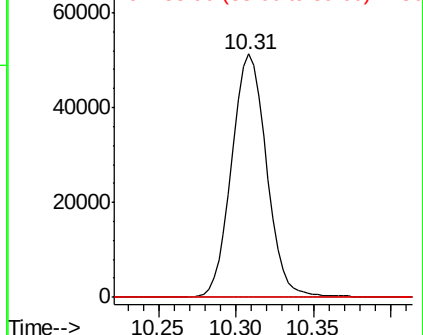
89 0.0 0.0 0.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.209 ug/l

RT: 12.49 min Scan# 3519

Delta R.T. -0.17 min

Lab File: VU027957.D

Acq: 05 Nov 2018 15:09

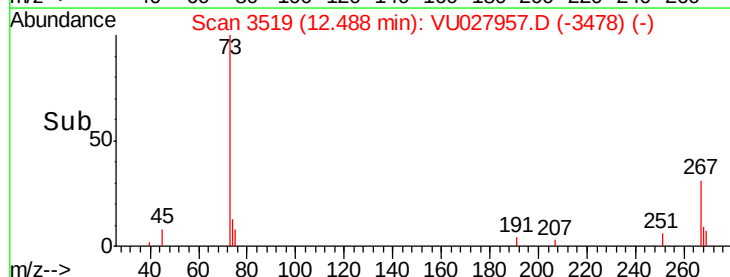
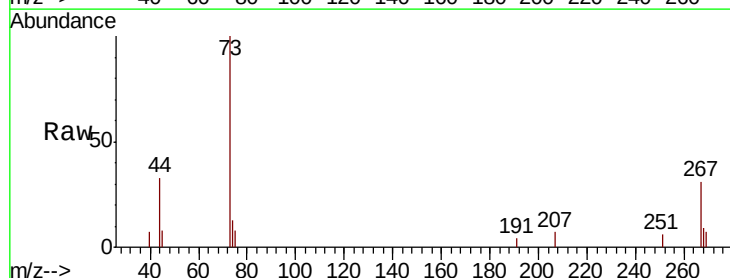
Tgt Ion: 75 Resp: 188

Ion Ratio Lower Upper

75 100

155 0.0 39.8 119.3#

157 0.0 50.6 151.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

