

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027955.D
 Acq On : 05 Nov 2018 14:22
 Operator : MD/SY
 Sample : PB114473ZHE#10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#10

Quant Time: Nov 06 03:24:03 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	191779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	349215	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	317317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	135840	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	154665	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	4.89	113	114249	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	7.57	98	449304	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
62) 4-Bromofluorobenzene	10.31	95	150852	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	

Target Compounds

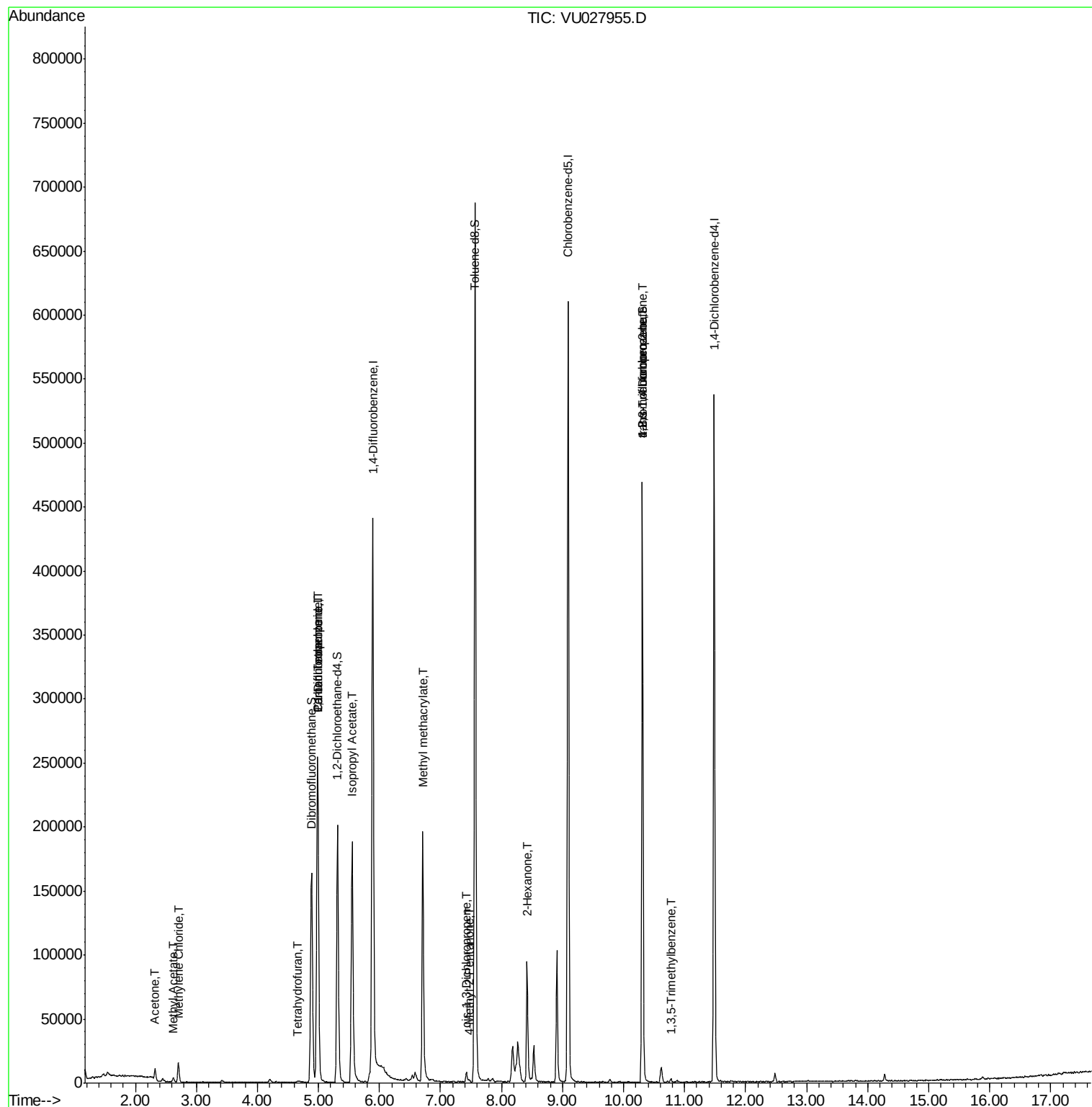
						Qvalue
16) Acetone	2.32	43	8648	4.889	ug/l	96
18) Methyl Acetate	2.62	43	4352	0.894	ug/l	97
20) Methylene Chloride	2.71	84	6525	2.526	ug/l	94
29) Tetrahydrofuran	4.66	42	929	0.494	ug/l #	43
31) Cyclohexane	4.99	56	4375	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	16702	4.567	ug/l #	48
38) Carbon Tetrachloride	4.99	117	18627	5.747	ug/l #	16
43) Isopropyl Acetate	5.55	43	229743	27.364	ug/l	100
48) Methyl methacrylate	6.71	41	17917	4.355	ug/l #	47
51) 4-Methyl-2-Pentanone	7.47	43	1158	0.207	ug/l	91
54) cis-1,3-Dichloropropene	7.43	75	1187	0.270	ug/l #	69
59) 2-Hexanone	8.42	43	14279	3.293	ug/l #	52
76) 1,2,3-Trichloropropane	10.31	75	81393	21.906	ug/l #	34
80) 1,3,5-Trimethylbenzene	10.77	105	1934	0.222	ug/l	93
81) trans-1,4-Dichloro-2-buten	10.31	75	81393	54.669	ug/l #	100
95) Naphthalene	13.82	128	42	Below Cal	#	69

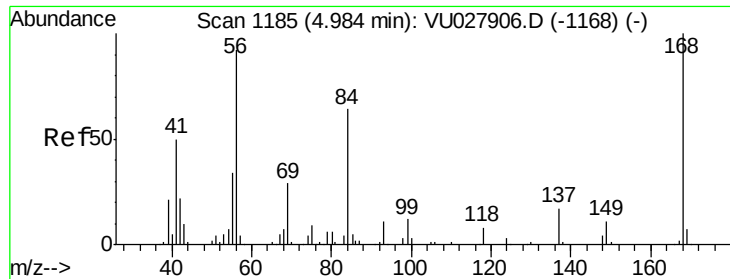
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027955.D

Acq: 05 Nov 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

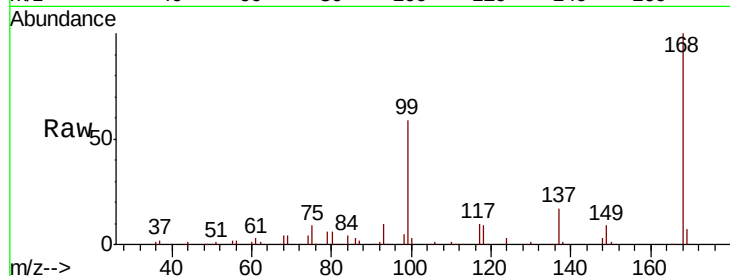
PB114473ZHE#10

Tot Ion:168 Resp: 191779

Ion Ratio Lower Upper

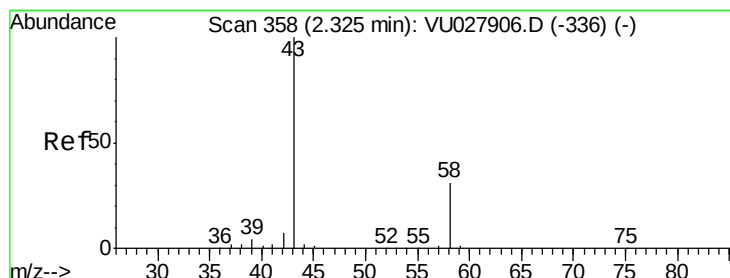
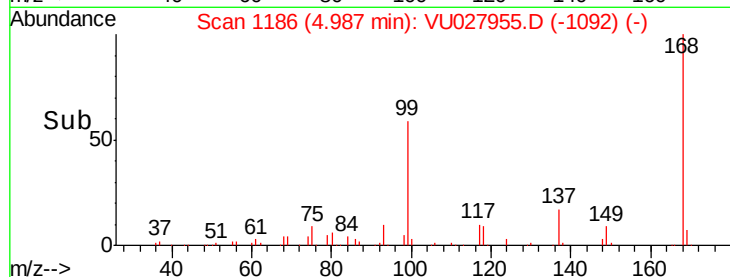
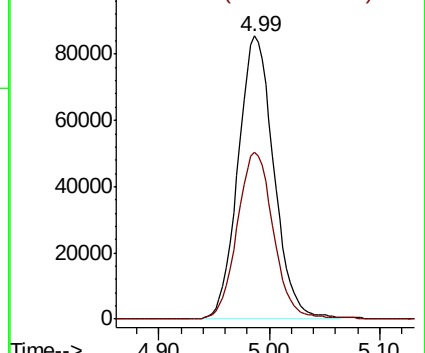
168 100

99 58.9 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) (-)



#16

Acetone

Concen: 4.889 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027955.D

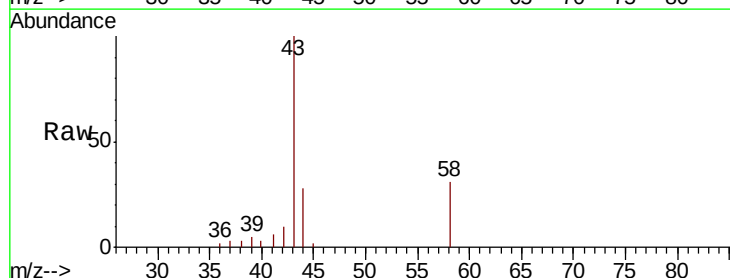
Acq: 05 Nov 2018 14:22

Tgt Ion: 43 Resp: 8648

Ion Ratio Lower Upper

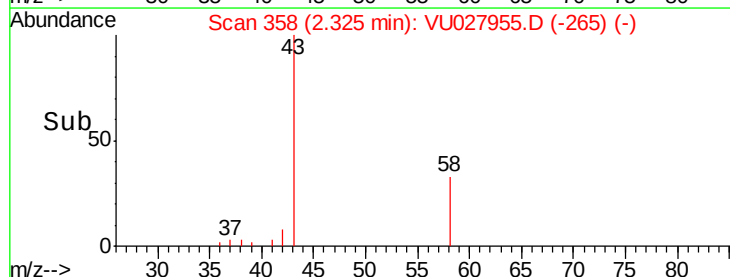
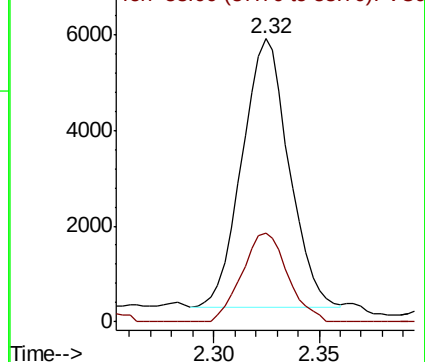
43 100

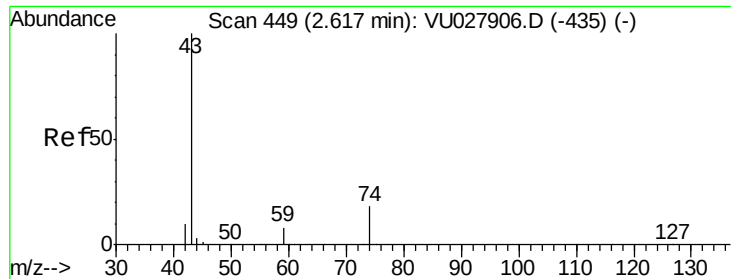
58 33.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-336) (-)

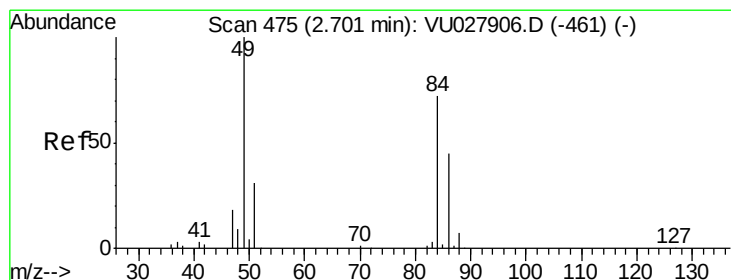
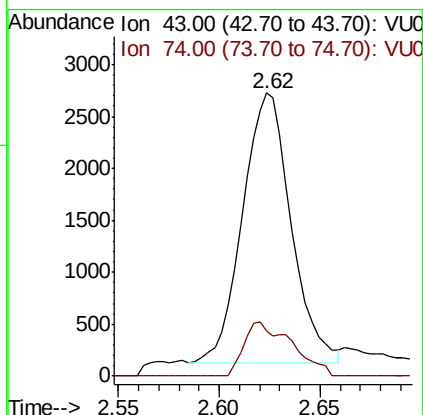
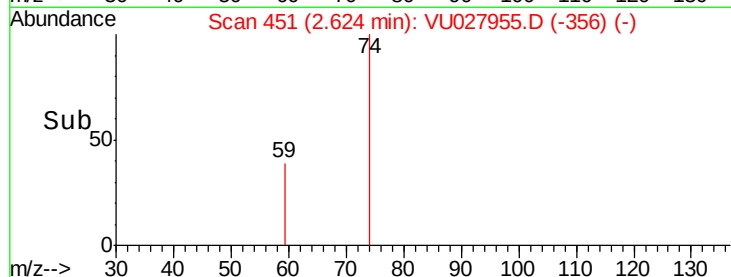
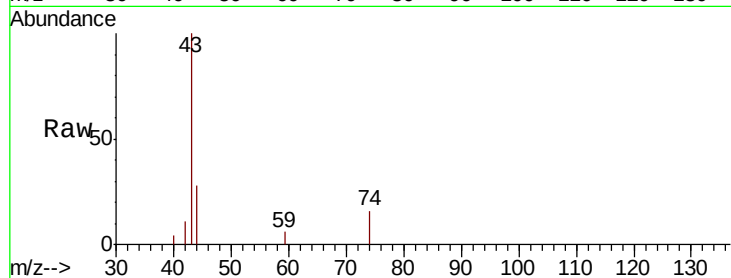




#18
Methyl Acetate
Concen: 0.894 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU027955.D
Acq: 05 Nov 2018 14:22

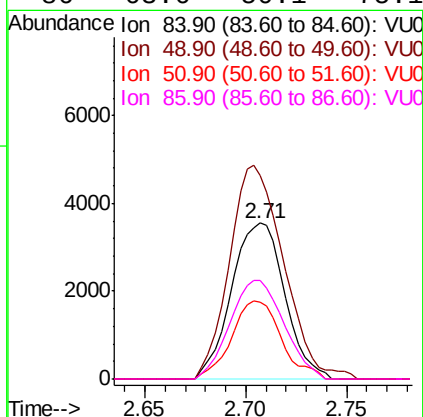
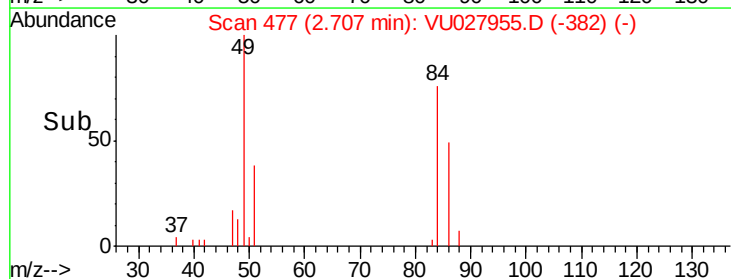
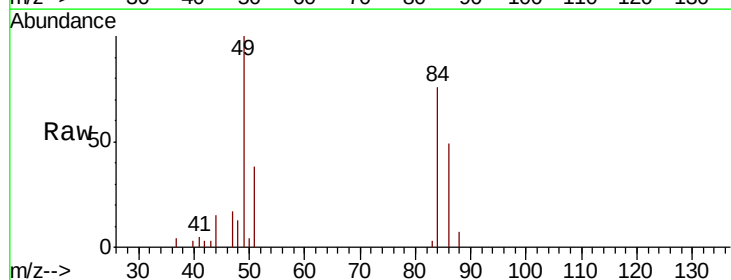
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#10

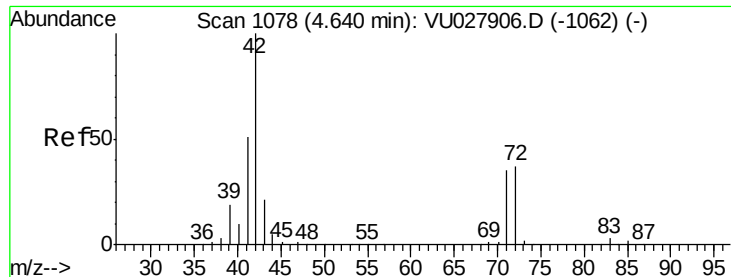
Tot Ion: 43 Resp: 4352
Ion Ratio Lower Upper
43 100
74 19.8 14.9 22.3



#20
Methylene Chloride
Concen: 2.526 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.01 min
Lab File: VU027955.D
Acq: 05 Nov 2018 14:22

Tgt Ion: 84 Resp: 6525
Ion Ratio Lower Upper
84 100
49 130.7 111.6 167.4
51 49.6 34.8 52.2
86 63.6 50.1 75.1





#29

Tetrahydrofuran

Concen: 0.494 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VU027955.D

Acq: 05 Nov 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#10

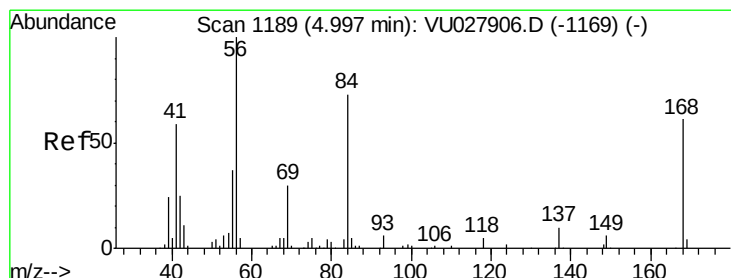
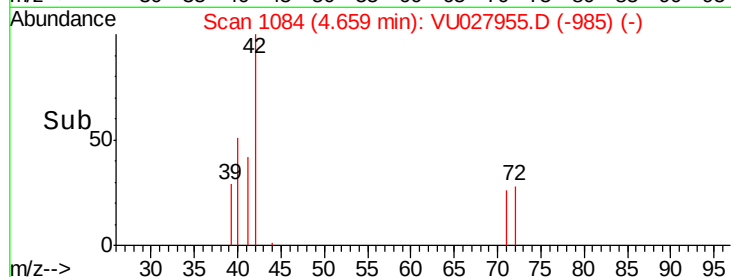
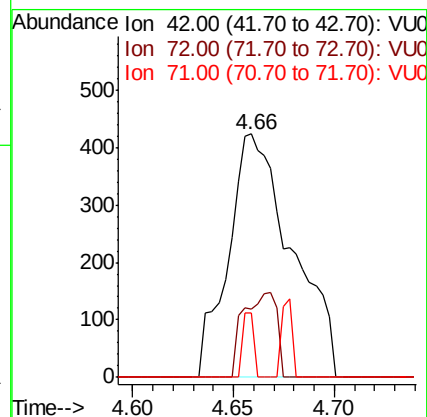
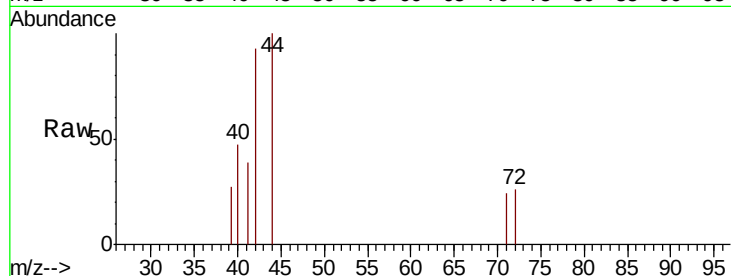
Tot Ion: 42 Resp: 929

Ion Ratio Lower Upper

42 100

72 0.0 29.4 44.0#

71 4.6 27.9 41.9#



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1187

Delta R.T. -0.01 min

Lab File: VU027955.D

Acq: 05 Nov 2018 14:22

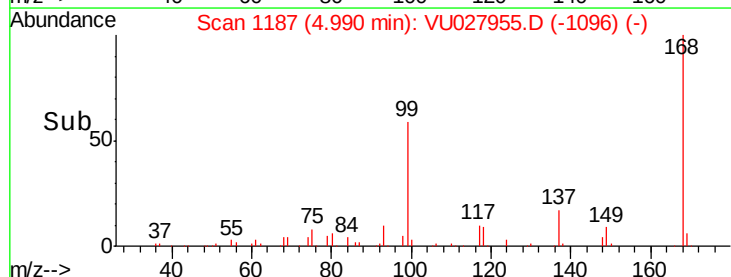
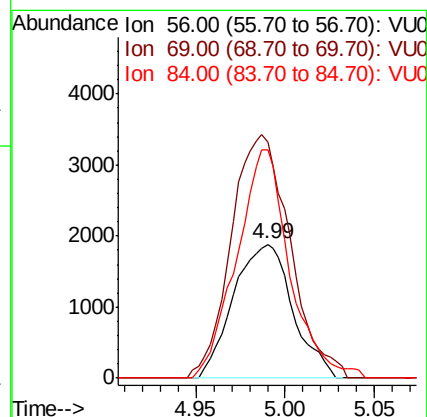
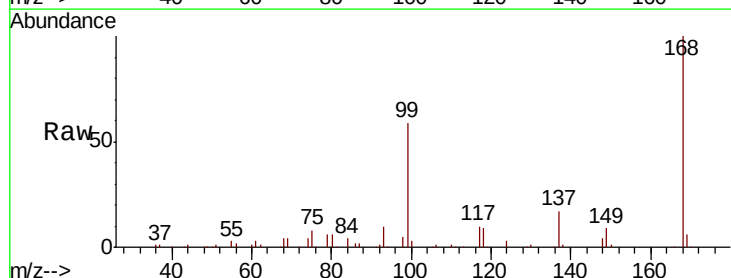
Tgt Ion: 56 Resp: 4375

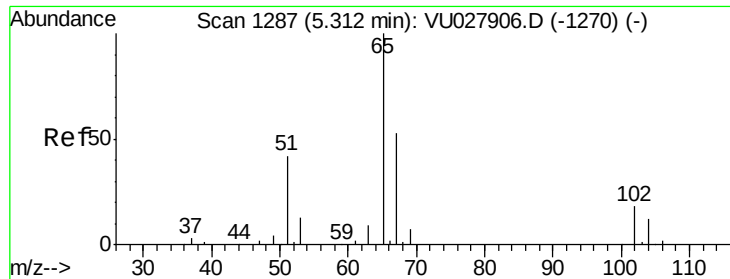
Ion Ratio Lower Upper

56 100

69 171.3 23.7 35.5#

84 170.8 58.2 87.4#

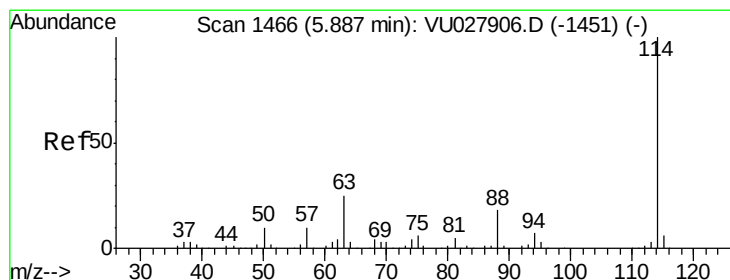
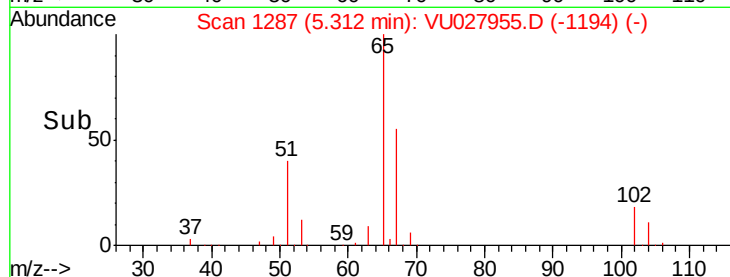
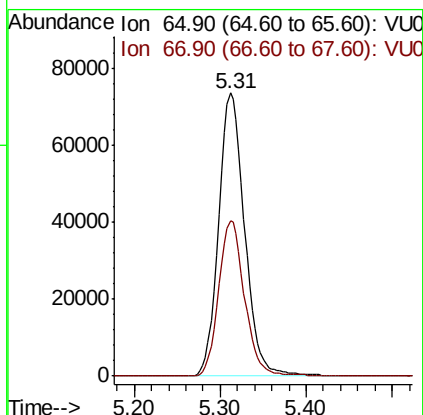
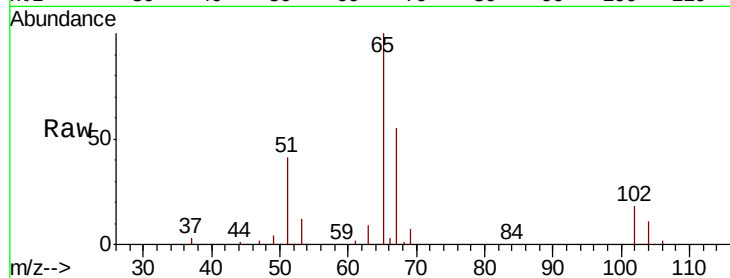




#33
 1,2-Dichloroethane-d4
 Concen: 54.244 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027955.D
 Acq: 05 Nov 2018 14:22

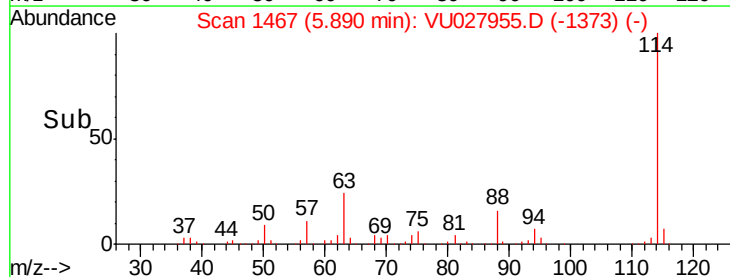
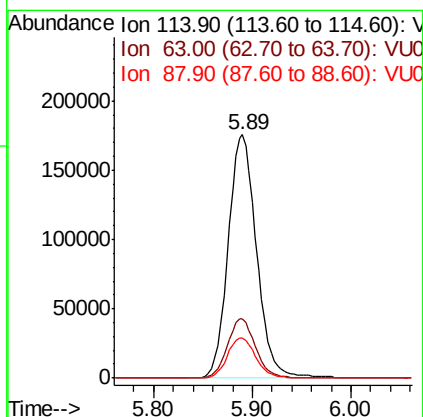
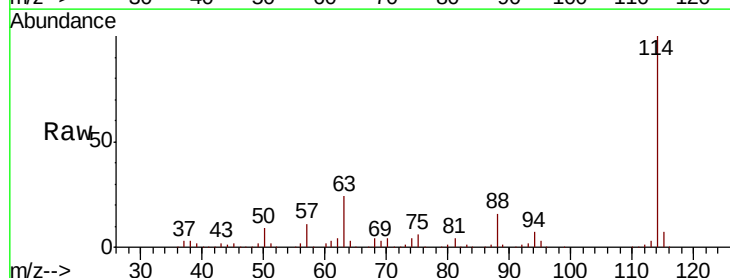
Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#10

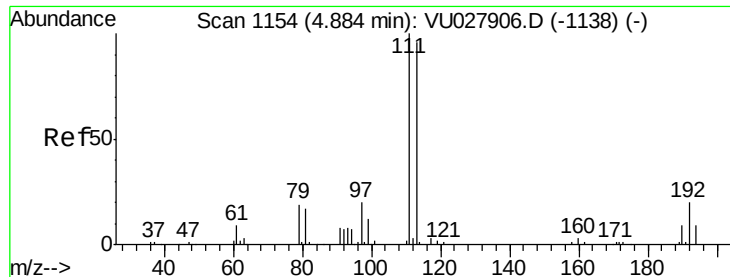
Tot Ion: 65 Resp: 154665
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027955.D
 Acq: 05 Nov 2018 14:22

Tgt Ion: 114 Resp: 349215
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 50.8
 88 16.5 0.0 35.8

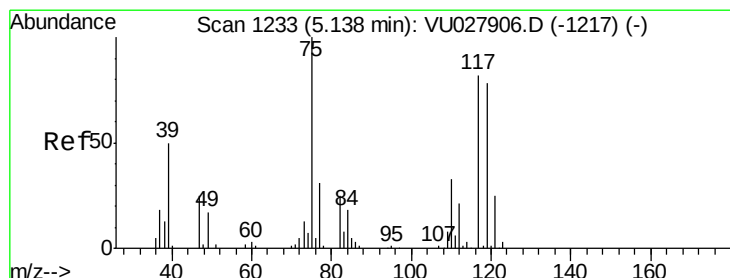
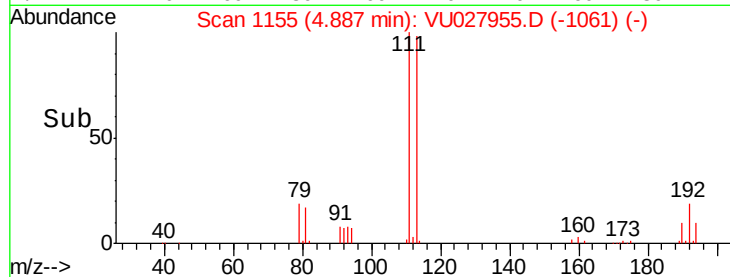
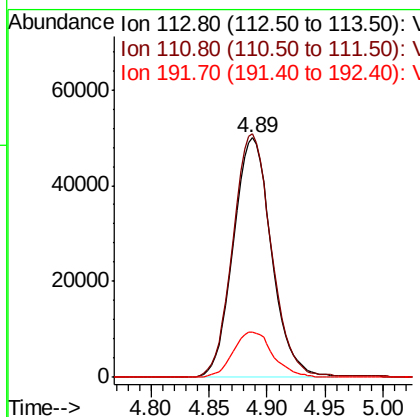
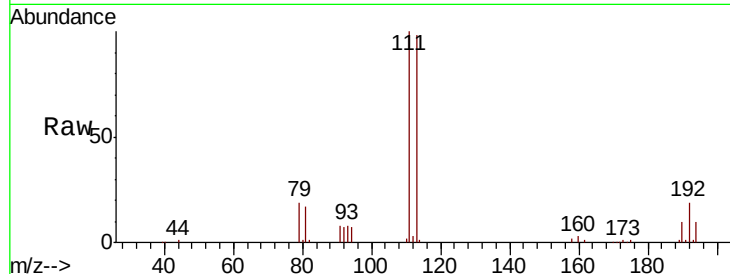




#35
 Dibromofluoromethane
 Concen: 51.888 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027955.D
 Acq: 05 Nov 2018 14:22

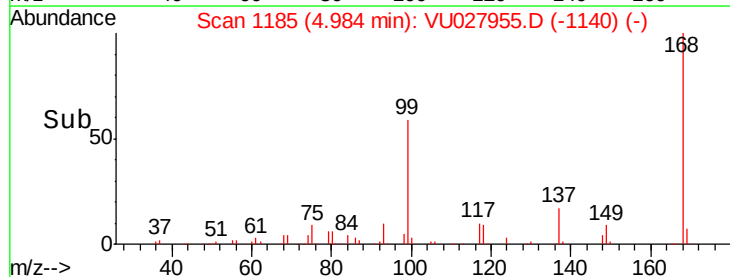
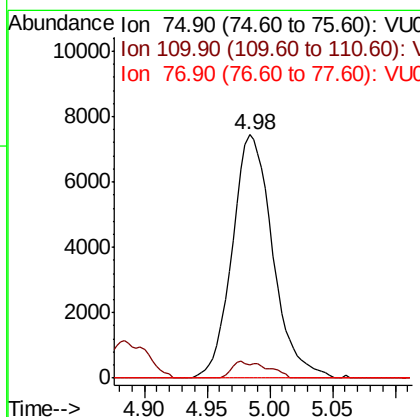
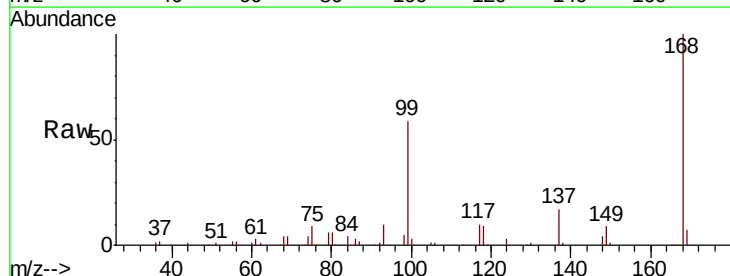
Instrument :
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 ClientSampleId :
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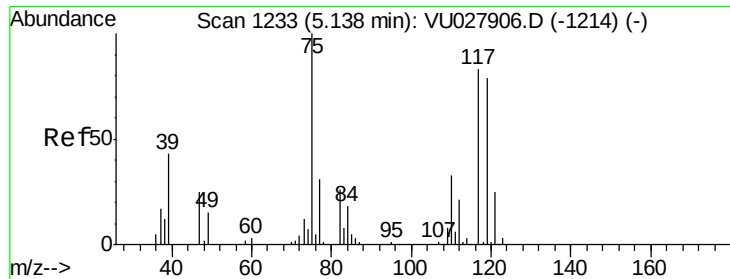
Tot Ion:113 Resp: 114249
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.0 124.6
 192 19.8 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.567 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027955.D
 Acq: 05 Nov 2018 14:22

Tgt Ion: 75 Resp: 16702
 Ion Ratio Lower Upper
 75 100
 110 6.0 16.5 49.5#
 77 0.0 24.9 37.3#

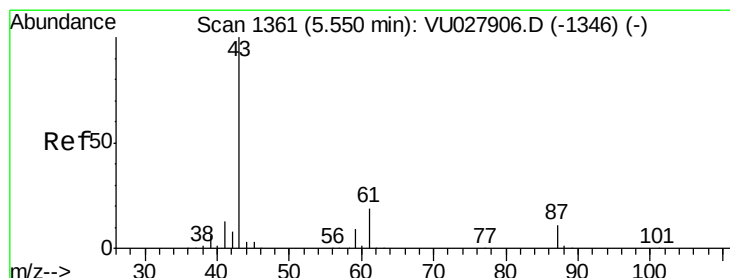
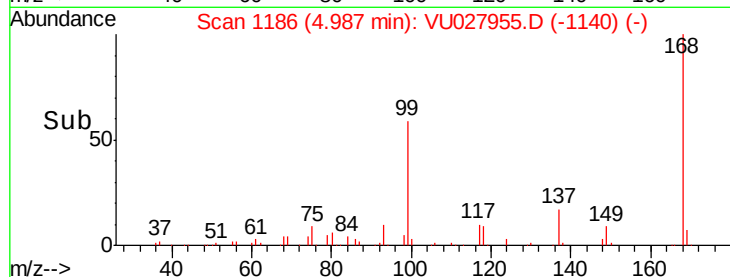
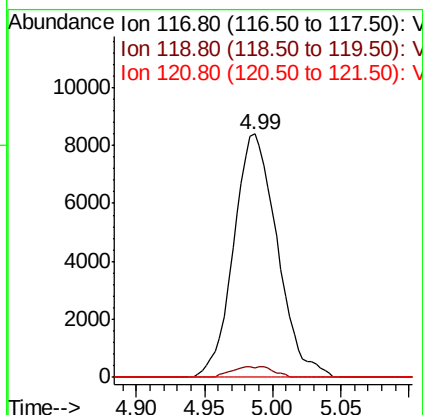
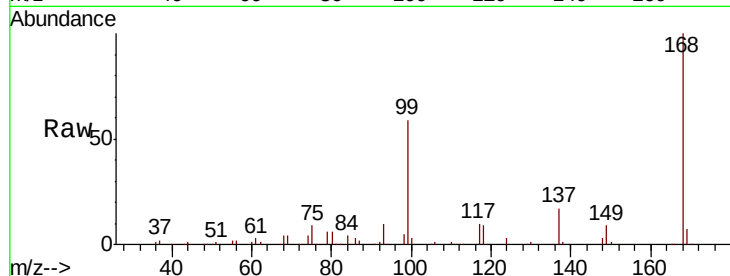




#38
Carbon Tetrachloride
Concen: 5.747 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027955.D
Acq: 05 Nov 2018 14:22

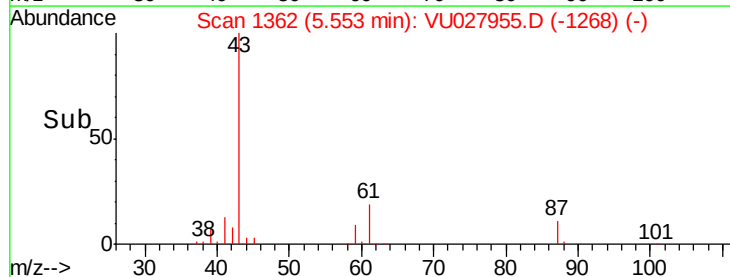
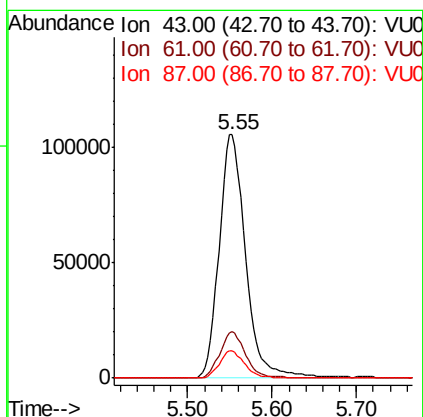
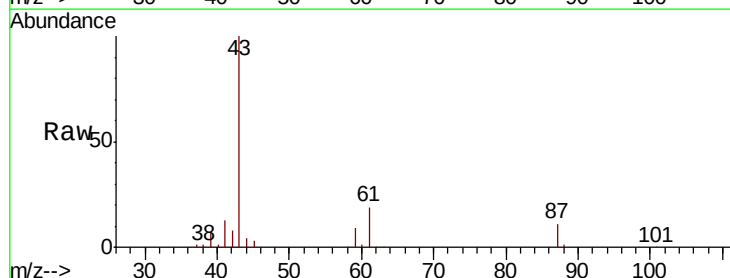
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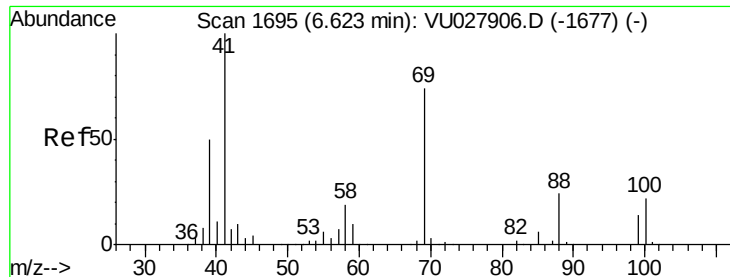
Tot Ion:117 Resp: 18627
Ion Ratio Lower Upper
117 100
119 4.1 76.0 114.0#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 27.364 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027955.D
Acq: 05 Nov 2018 14:22

Tgt Ion: 43 Resp: 229743
Ion Ratio Lower Upper
43 100
61 18.5 15.0 22.4
87 10.8 8.6 12.8

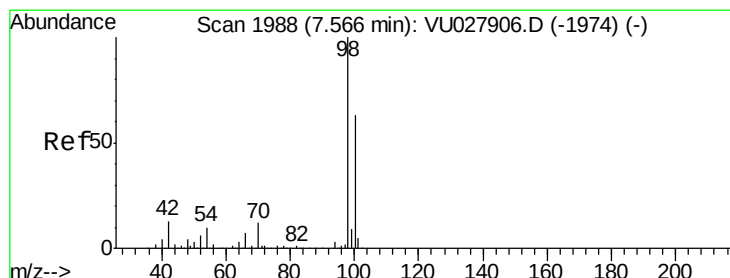
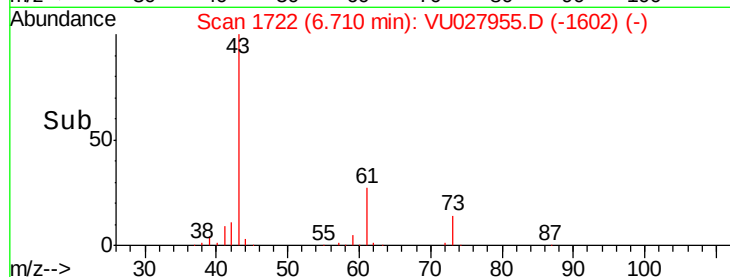
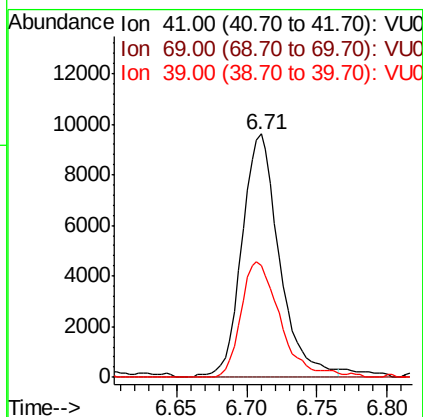
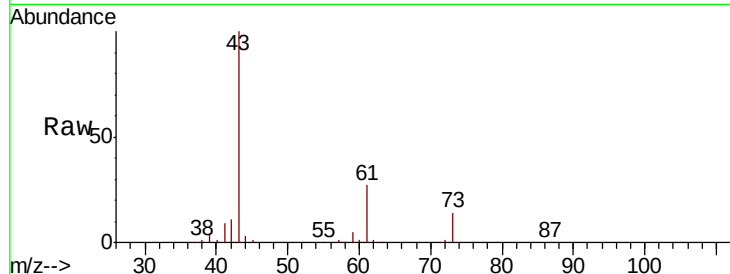




#48
Methvl methacrylate
Concen: 4.355 ug/l
RT: 6.71 min Scan# 1722
Delta R.T. 0.09 min
Lab File: VU027955.D
Acq: 05 Nov 2018 14:22

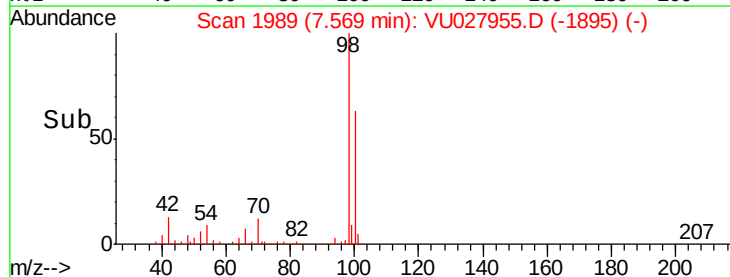
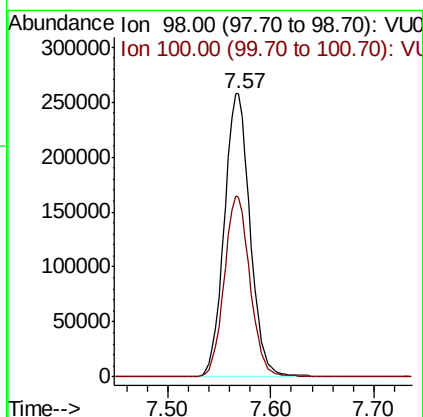
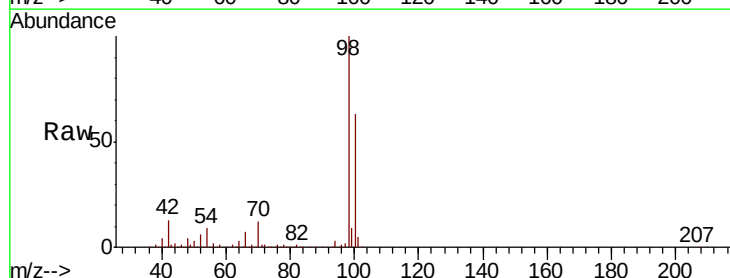
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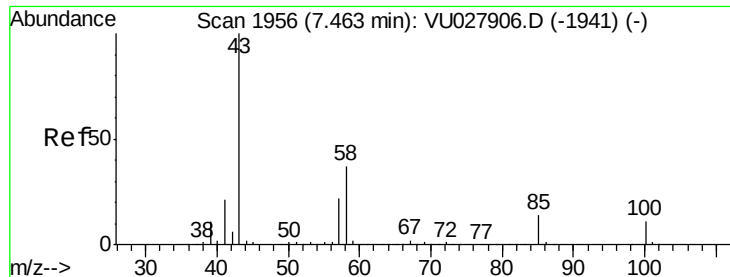
Tot Ion: 41 Resp: 17917
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 49.3 40.0 60.0



#50
Toluene-d8
Concen: 52.825 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027955.D
Acq: 05 Nov 2018 14:22

Tgt Ion: 98 Resp: 449304
Ion Ratio Lower Upper
98 100
100 63.6 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 0.207 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU027955.D

Acq: 05 Nov 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

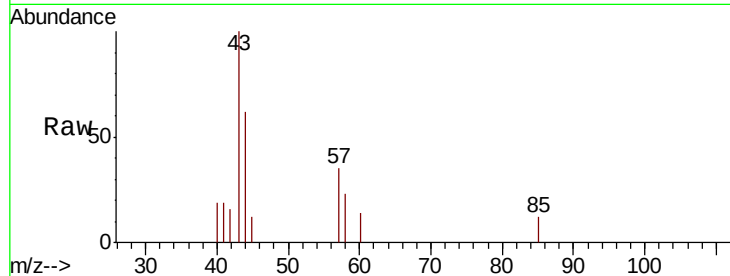
PB114473ZHE#10

Tot Ion: 43 Resp: 1158

Ion Ratio Lower Upper

43 100

58 42.2 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

2000

1500

1000

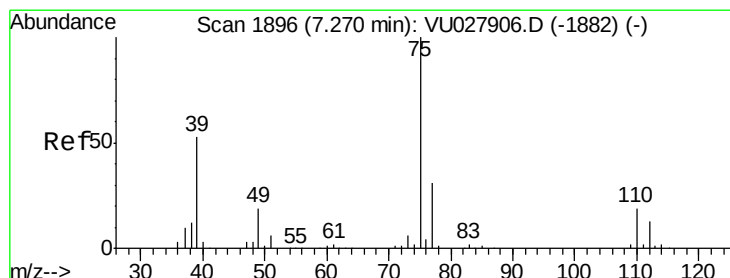
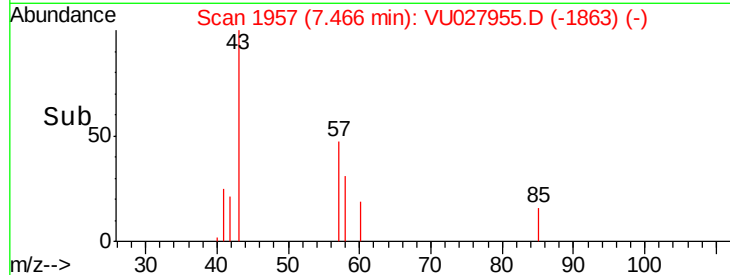
500

0

7.44 7.46 7.48 7.50

7.47

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.270 ug/l

RT: 7.43 min Scan# 1945

Delta R.T. 0.16 min

Lab File: VU027955.D

Acq: 05 Nov 2018 14:22

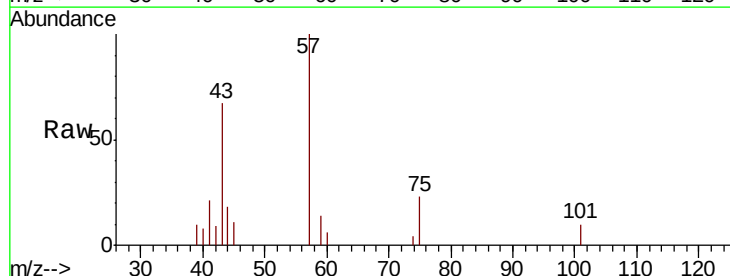
Tgt Ion: 75 Resp: 1187

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 41.8 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) (-)

800

600

400

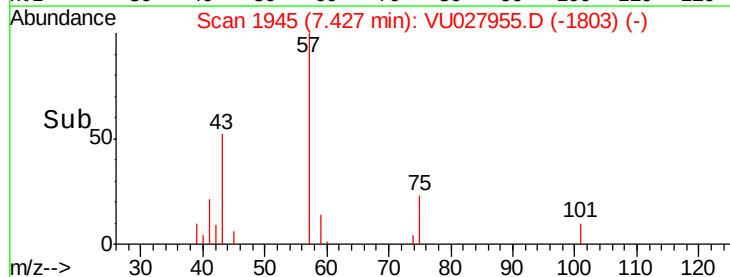
200

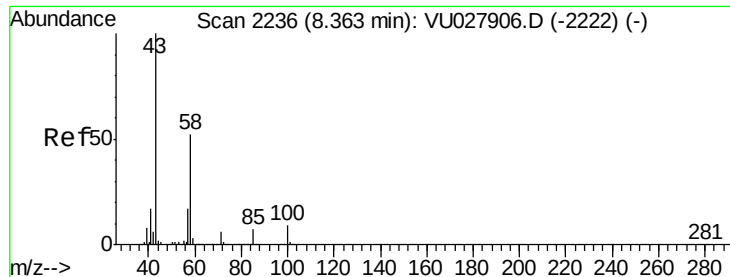
0

7.40 7.45

7.43

Time-->

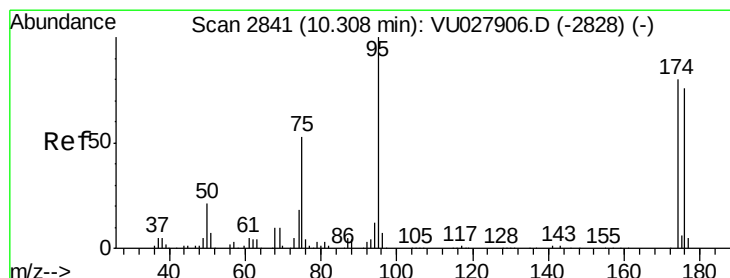
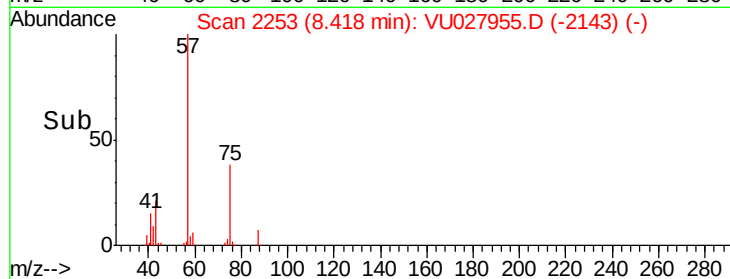
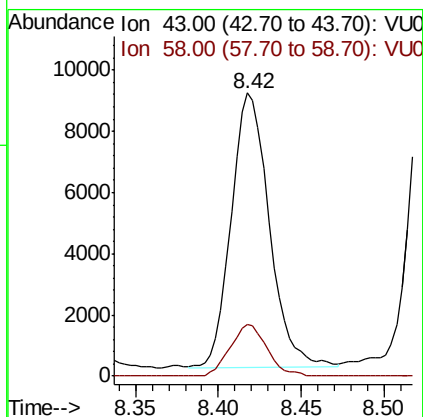
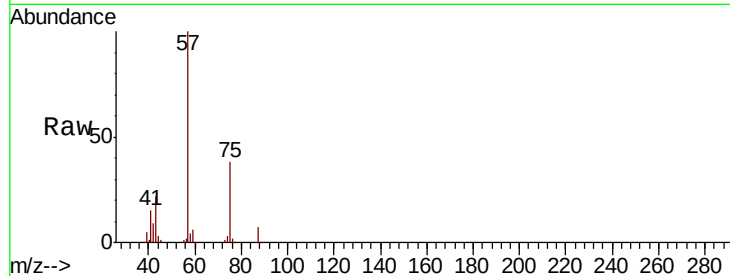




#59
2-Hexanone
Concen: 3.293 ug/l
RT: 8.42 min Scan# 2253
Delta R.T. 0.05 min
Lab File: VU027955.D
Acq: 05 Nov 2018 14:22

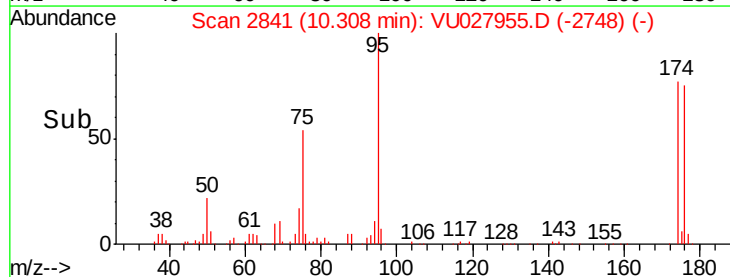
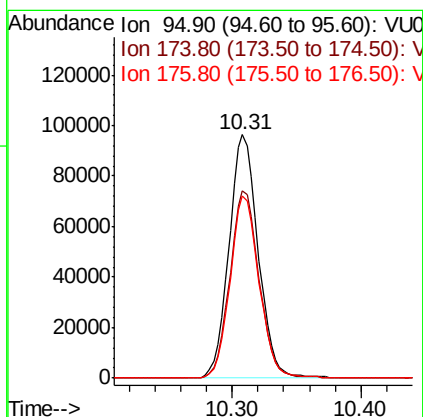
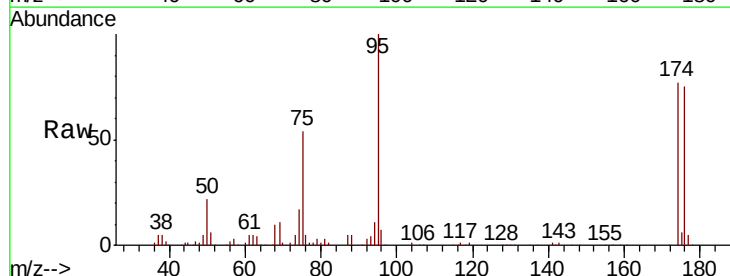
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#10

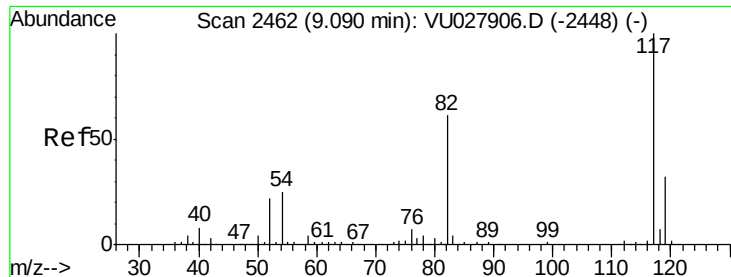
Tot Ion: 43 Resp: 14279
Ion Ratio Lower Upper
43 100
58 18.2 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 48.084 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027955.D
Acq: 05 Nov 2018 14:22

Tgt Ion: 95 Resp: 150852
Ion Ratio Lower Upper
95 100
174 77.1 0.0 156.4
176 74.7 0.0 150.8

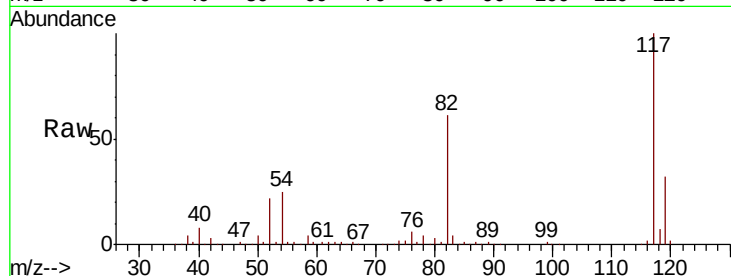




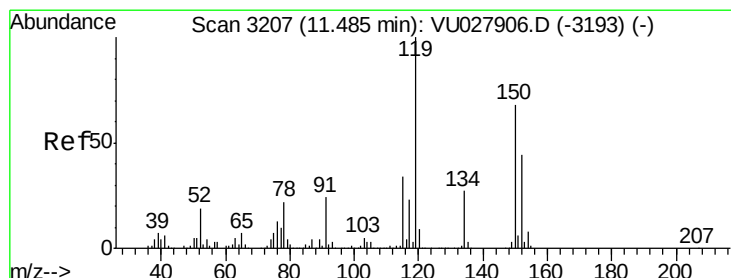
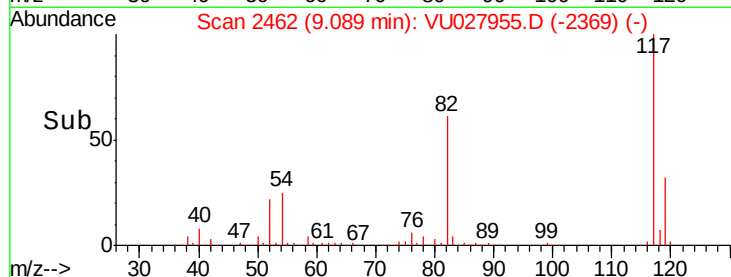
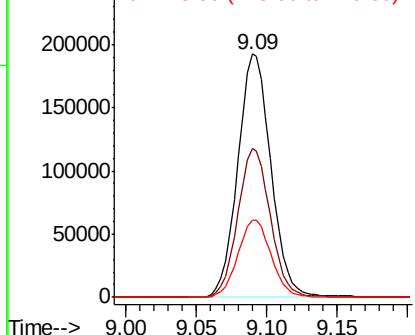
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027955.D
Acq: 05 Nov 2018 14:22

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#10

Tot Ion:117 Resp: 317317
Ion Ratio Lower Upper
117 100
82 61.0 48.6 73.0
119 31.7 25.8 38.8

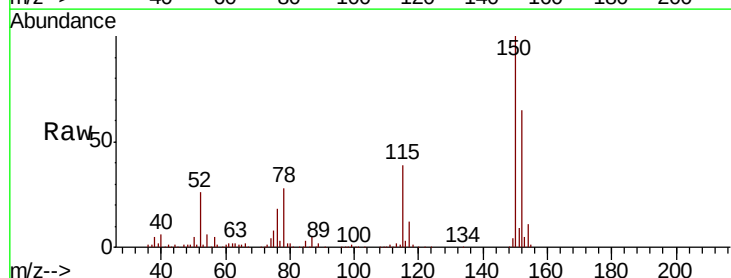


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

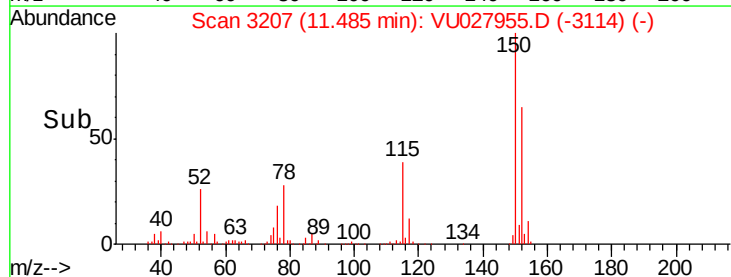
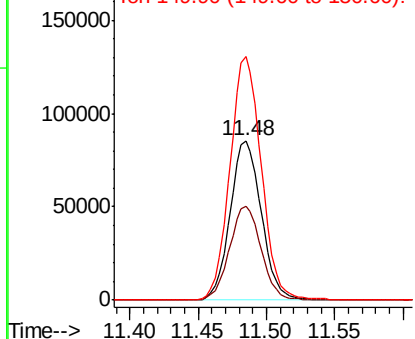


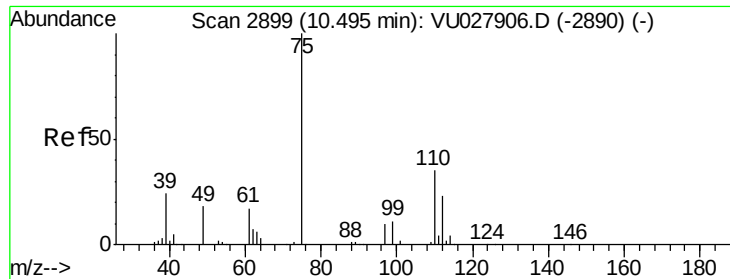
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027955.D
Acq: 05 Nov 2018 14:22

Tgt Ion:152 Resp: 135840
Ion Ratio Lower Upper
152 100
115 59.7 43.0 129.0
150 153.8 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

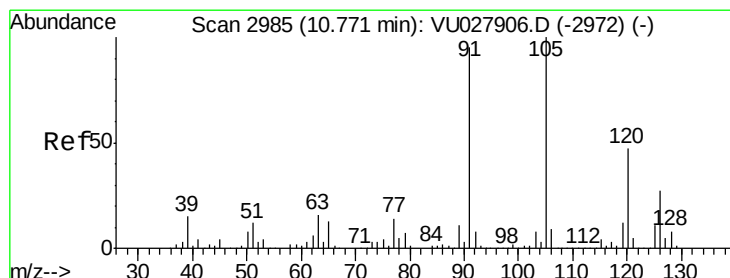
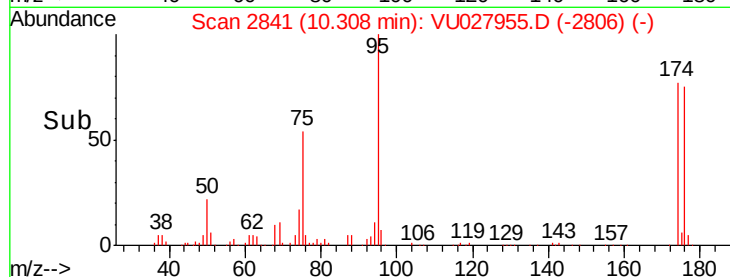
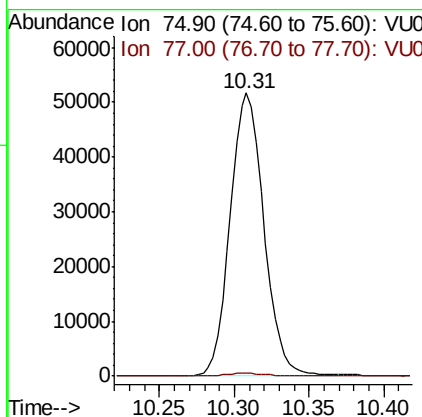
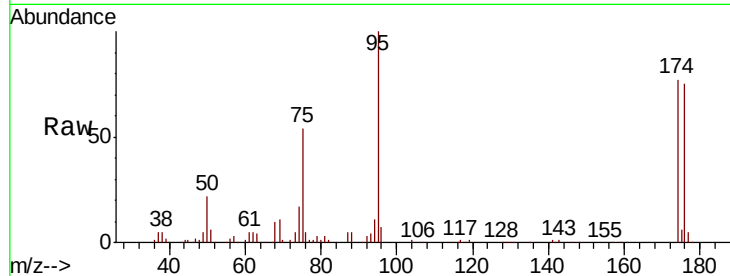




#76
 1,2,3-Trichloropropane
 Concen: 21.906 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027955.D
 Acq: 05 Nov 2018 14:22

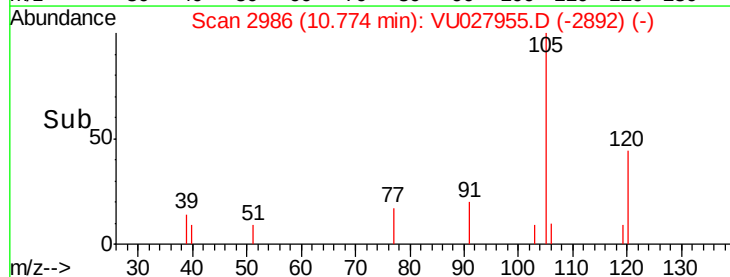
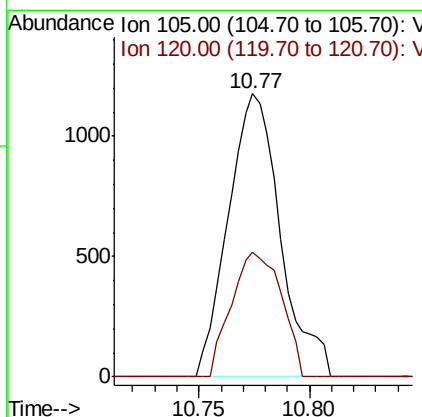
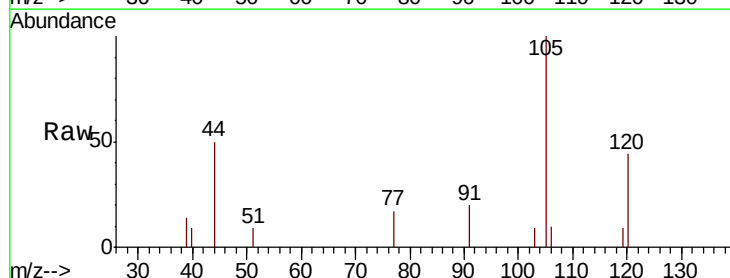
Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#10

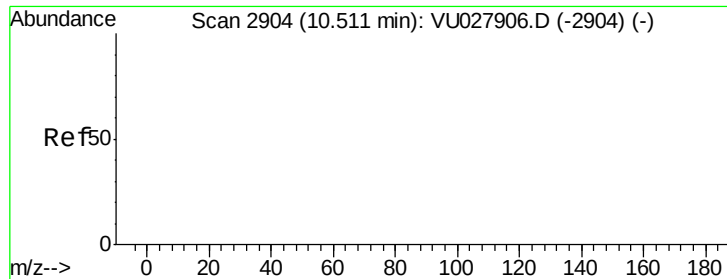
Tot Ion: 75 Resp: 81393
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.6 64.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.222 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027955.D
 Acq: 05 Nov 2018 14:22

Tgt Ion: 105 Resp: 1934
 Ion Ratio Lower Upper
 105 100
 120 42.1 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 54.669 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027955.D

Acq: 05 Nov 2018 14:22

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#10

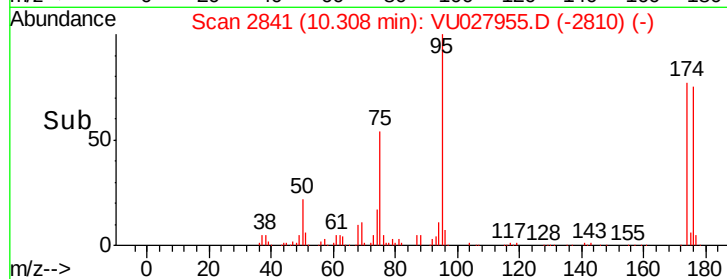
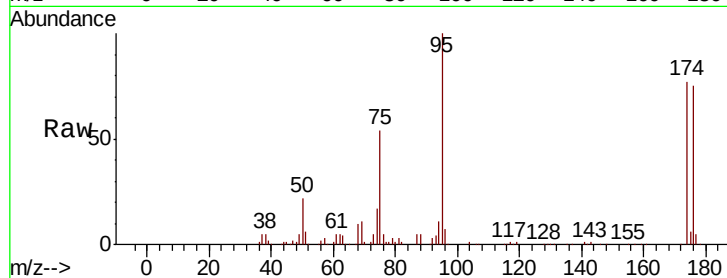
Tot Ion: 75 Resp: 81393

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

