

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027956.D
 Acq On : 05 Nov 2018 14:45
 Operator : MD/SY
 Sample : PB114473ZHE#11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#11

Quant Time: Nov 06 03:24:16 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	195656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	360179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	326971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142176	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	158566	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	
35) Dibromofluoromethane	4.89	113	118375	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
50) Toluene-d8	7.57	98	460800	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
62) 4-Bromofluorobenzene	10.31	95	159599	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	

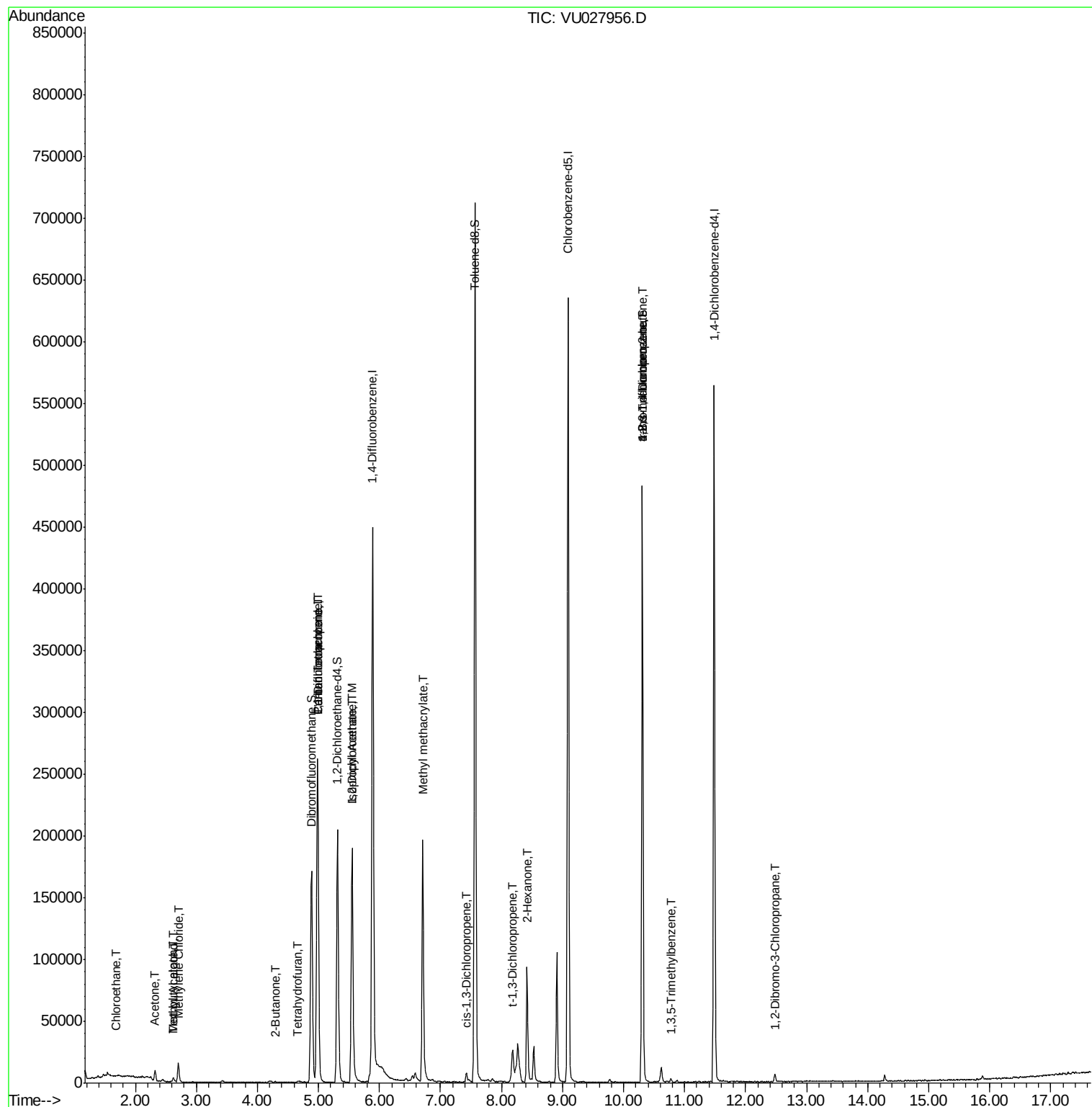
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	428	0.249	ug/l #	42
11) Tert butyl alcohol	2.62	59	169	0.219	ug/l #	73
16) Acetone	2.32	43	8950	4.959	ug/l	99
18) Methyl Acetate	2.62	43	5157	1.039	ug/l #	91
20) Methylene Chloride	2.70	84	6420	2.436	ug/l	95
25) 2-Butanone	4.30	43	1285	0.448	ug/l #	54
29) Tetrahydrofuran	4.66	42	725	0.378	ug/l #	71
31) Cyclohexane	4.98	56	4694	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	17164	4.550	ug/l #	50
38) Carbon Tetrachloride	4.99	117	19381	5.797	ug/l #	18
42) 1,2-Dichloroethane	5.56	62	930	0.227	ug/l #	76
43) Isopropyl Acetate	5.55	43	227845	26.311	ug/l	100
48) Methyl methacrylate	6.71	41	17772	4.188	ug/l #	46
53) t-1,3-Dichloropropene	8.17	75	127	1.145	ug/l #	43
54) cis-1,3-Dichloropropene	7.42	75	1396	0.307	ug/l #	58
59) 2-Hexanone	8.42	43	15163	3.390	ug/l #	52
76) 1,2,3-Trichloropropane	10.31	75	82638	21.250	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	1904	0.209	ug/l	92
81) trans-1,4-Dichloro-2-buten	10.31	75	82638	53.040	ug/l #	100
92) 1,2-Dibromo-3-Chloropropan	12.48	75	195	0.208	ug/l #	4

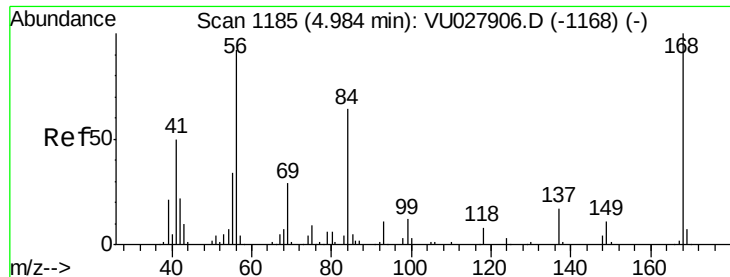
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027956.D

Acq: 05 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

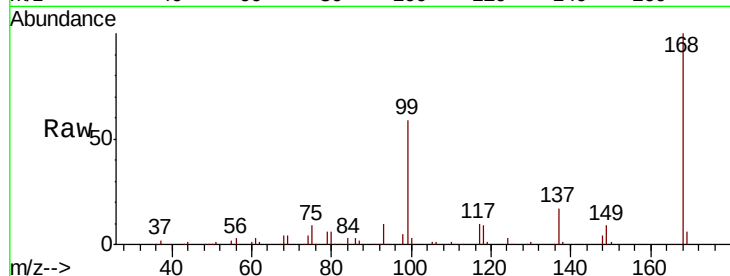
PB114473ZHE#11

Tot Ion:168 Resp: 195656

Ion Ratio Lower Upper

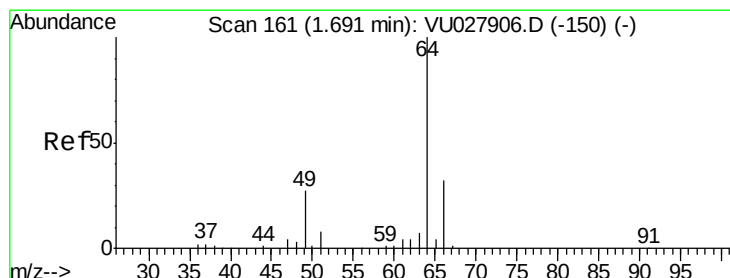
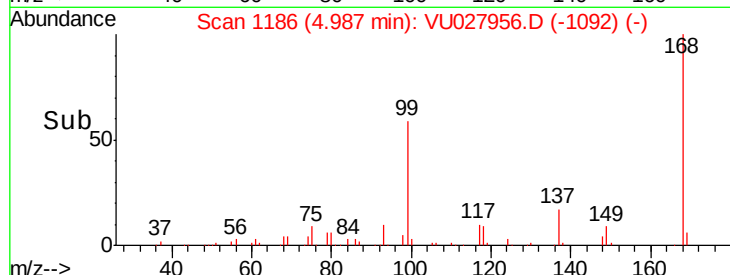
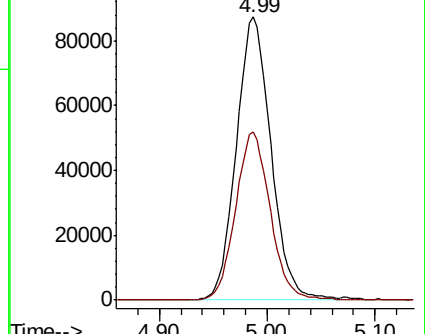
168 100

99 59.2 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) (-)



#6

Chloroethane

Concen: 0.249 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.00 min

Lab File: VU027956.D

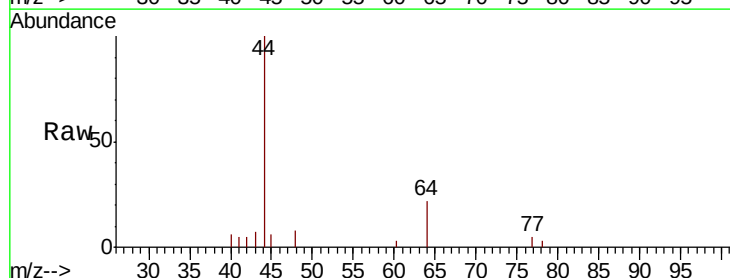
Acq: 05 Nov 2018 14:45

Tgt Ion: 64 Resp: 428

Ion Ratio Lower Upper

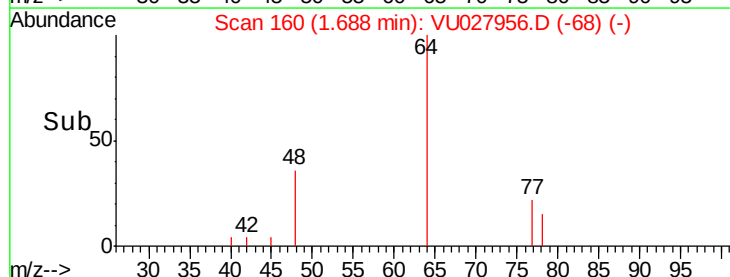
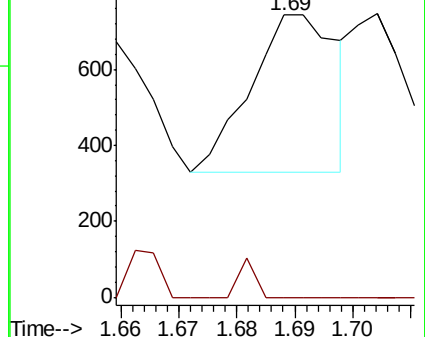
64 100

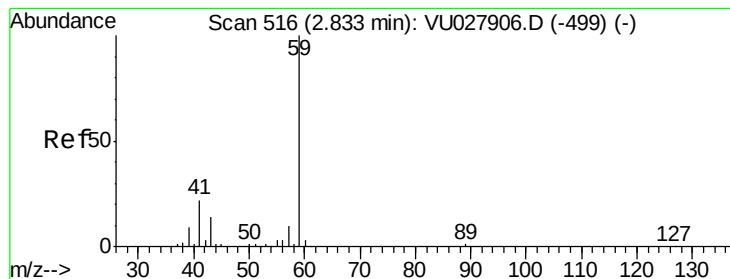
66 0.0 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU027906.D (-150) (-)





#11

Tert butyl alcohol

Concen: 0.219 ug/l

RT: 2.62 min Scan# 450

Delta R.T. -0.21 min

Lab File: VU027956.D

Acq: 05 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

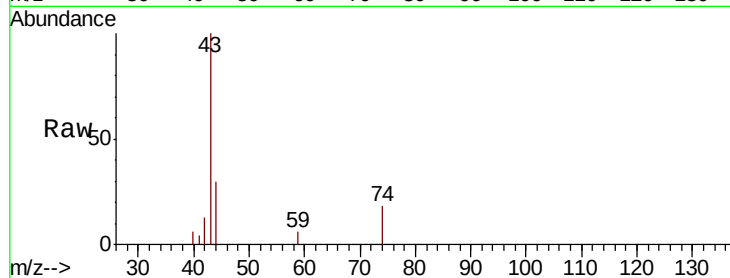
PB114473ZHE#11

Tot Ion: 59 Resp: 169

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.62

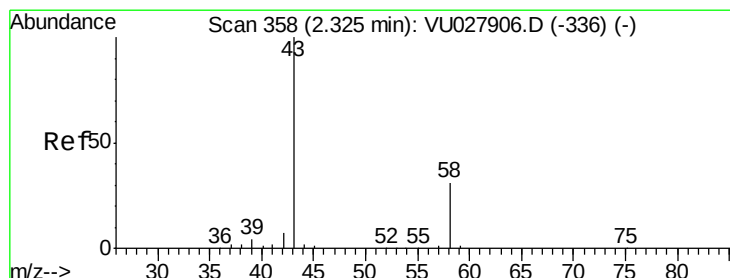
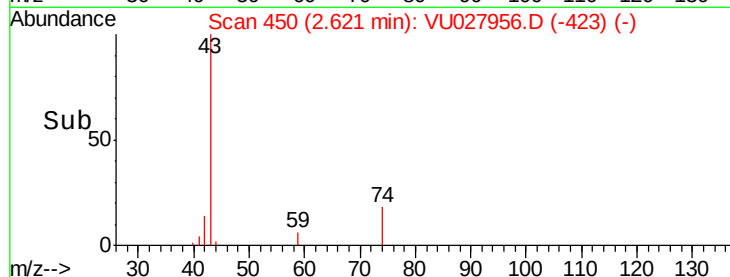
150

100

50

0

Time-->



#16

Acetone

Concen: 4.959 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027956.D

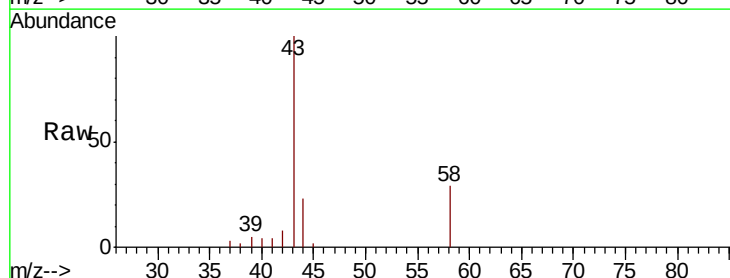
Acq: 05 Nov 2018 14:45

Tgt Ion: 43 Resp: 8950

Ion Ratio Lower Upper

43 100

58 30.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

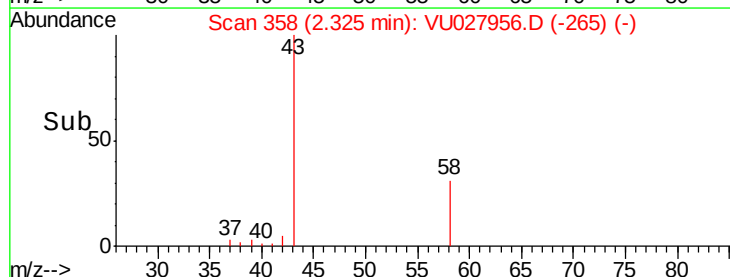
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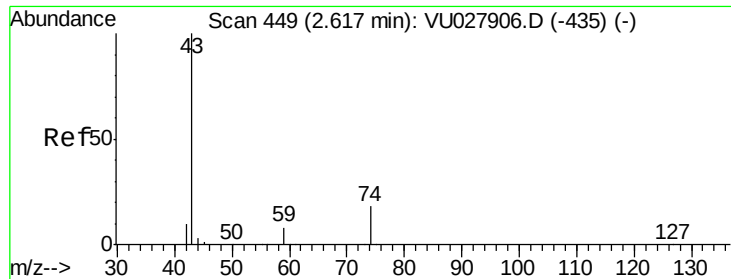
4000

2000

0

Time-->





#18

Methyl Acetate

Concen: 1.039 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027956.D

Acq: 05 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

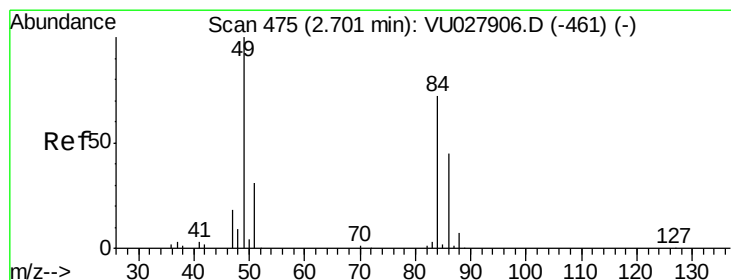
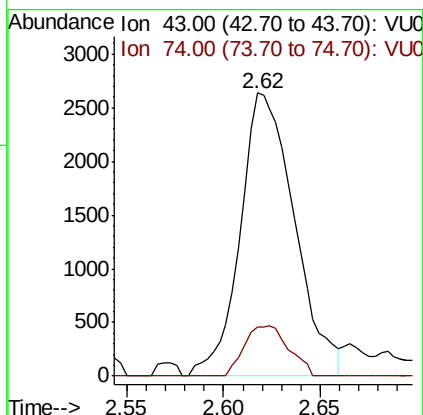
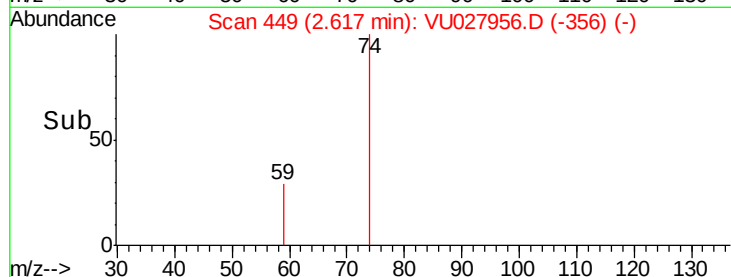
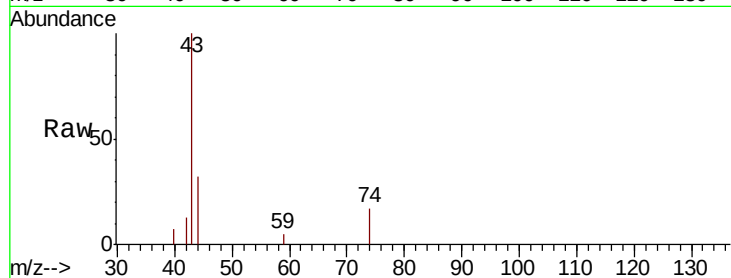
PB114473ZHE#11

Tot Ion: 43 Resp: 5157

Ion Ratio Lower Upper

43 100

74 14.6 14.9 22.3#



#20

Methylene Chloride

Concen: 2.436 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU027956.D

Acq: 05 Nov 2018 14:45

Tgt Ion: 84 Resp: 6420

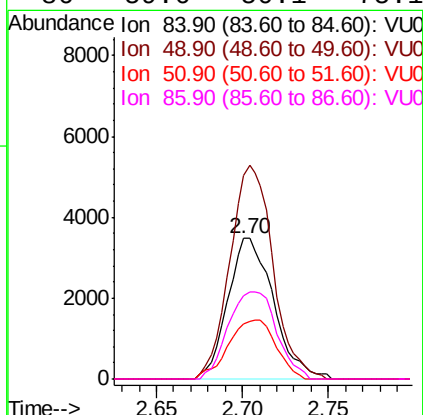
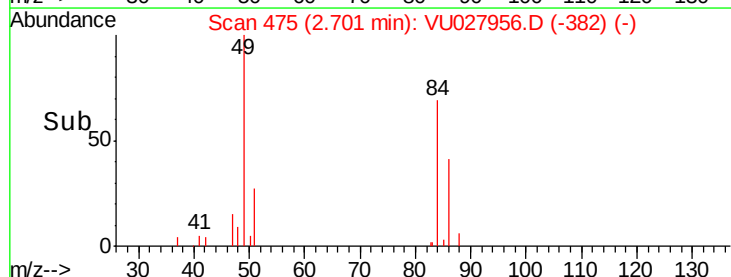
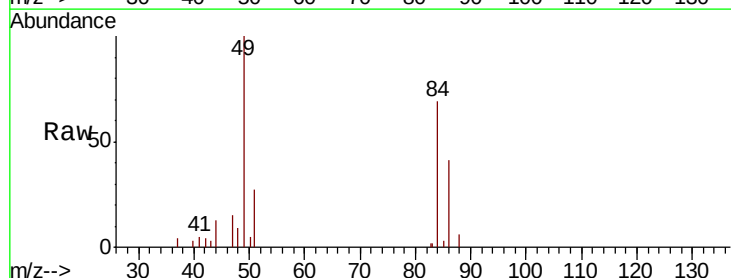
Ion Ratio Lower Upper

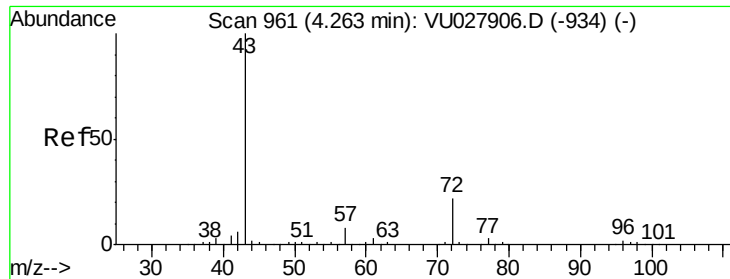
84 100

49 144.6 111.6 167.4

51 39.2 34.8 52.2

86 59.6 50.1 75.1





#25

2-Butanone

Concen: 0.448 ug/l

RT: 4.30 min Scan# 973

Delta R.T. 0.04 min

Lab File: VU027956.D

Acq: 05 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

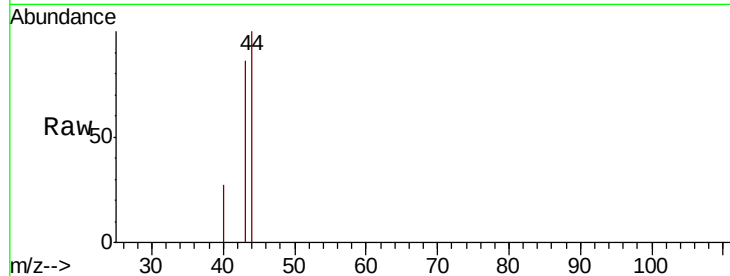
PB114473ZHE#11

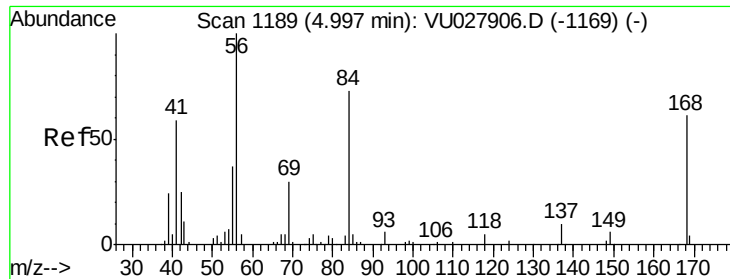
Tot Ion: 43 Resp: 1285

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

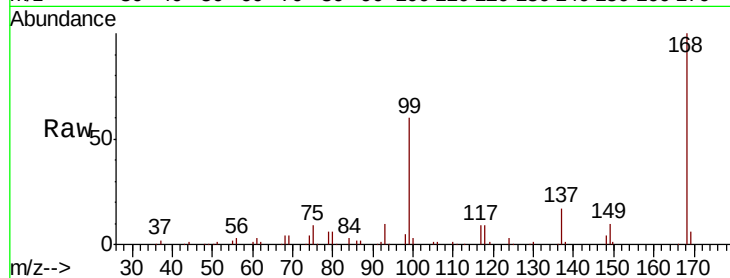




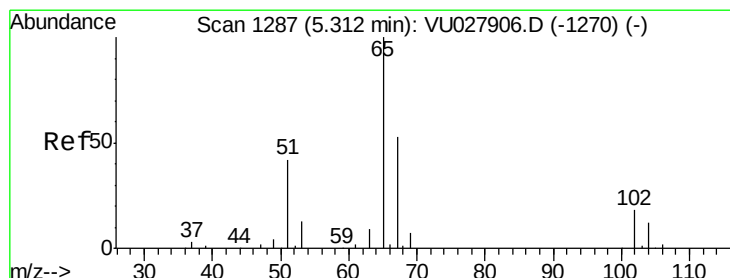
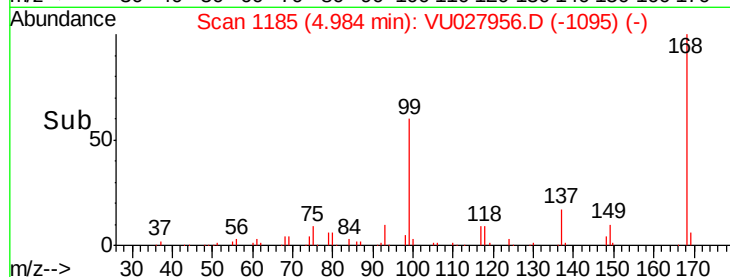
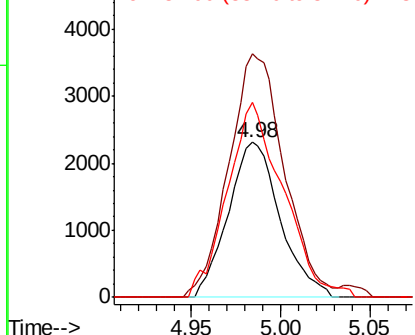
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU027956.D
Acq: 05 Nov 2018 14:45

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#11

Tot Ion: 56 Resp: 4694
Ion Ratio Lower Upper
56 100
69 152.8 23.7 35.5#
84 125.7 58.2 87.4#

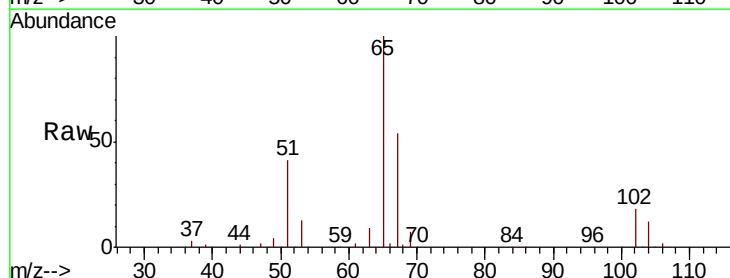


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

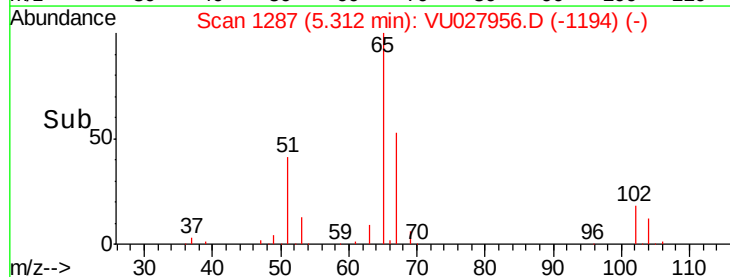
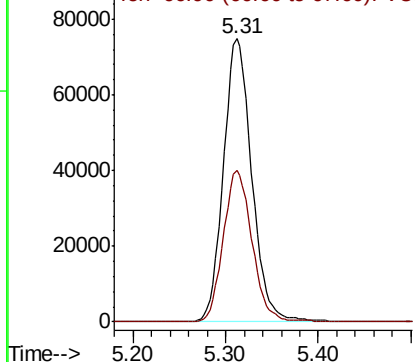


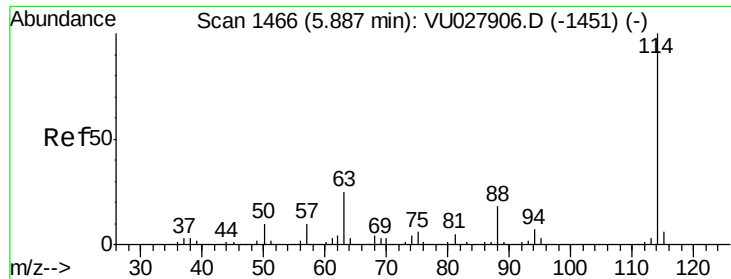
#33
1,2-Dichloroethane-d4
Concen: 54.510 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027956.D
Acq: 05 Nov 2018 14:45

Tgt Ion: 65 Resp: 158566
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.0



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

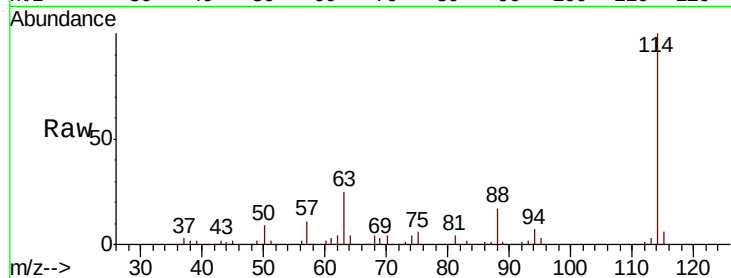




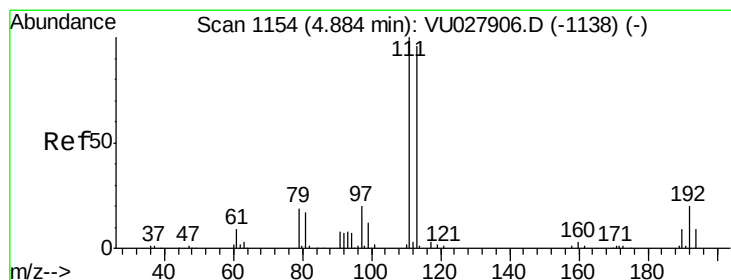
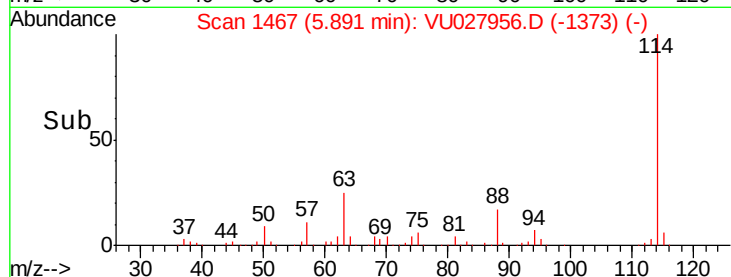
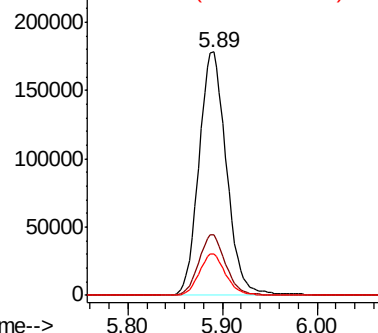
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027956.D
 Acq: 05 Nov 2018 14:45

Instrument :
 MSVOA_U
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Tot Ion:114 Resp: 360179
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 50.8
 88 17.0 0.0 35.8

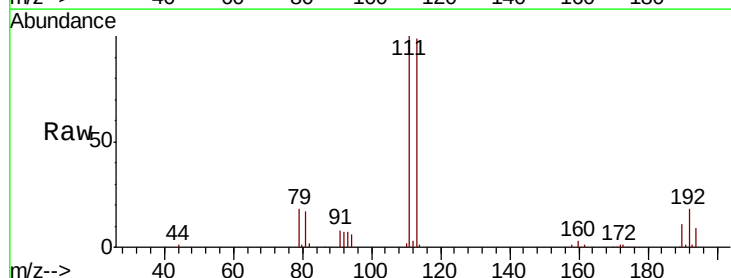


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

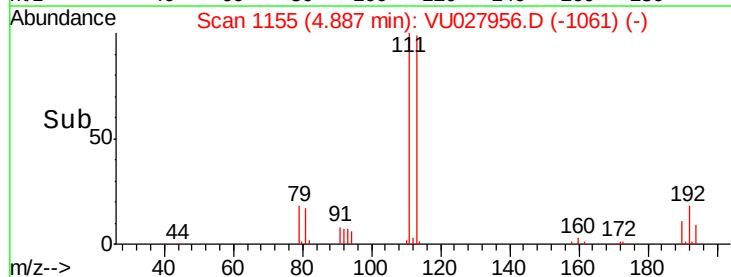
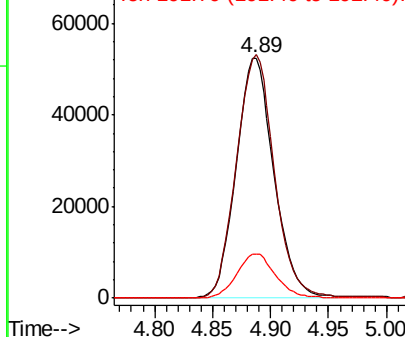


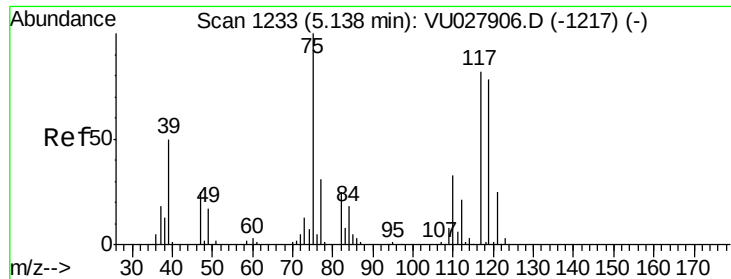
#35
 Dibromofluoromethane
 Concen: 52.125 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027956.D
 Acq: 05 Nov 2018 14:45

Tgt Ion:113 Resp: 118375
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.0 124.6
 192 18.8 15.6 23.4



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

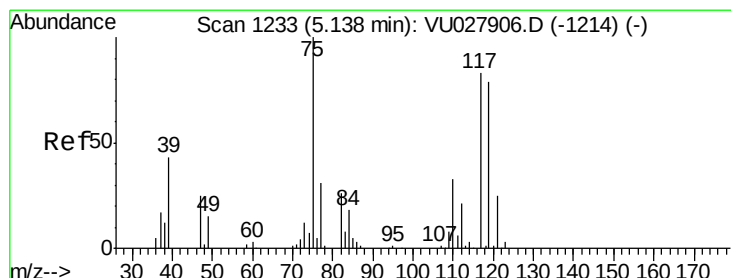
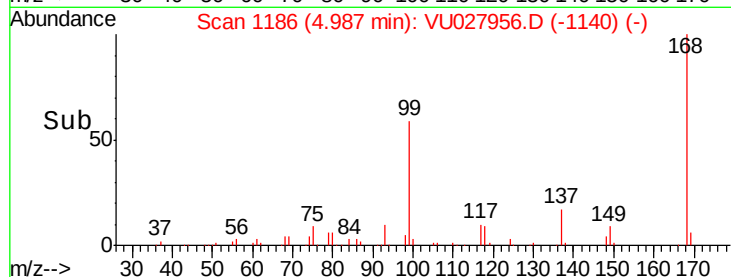
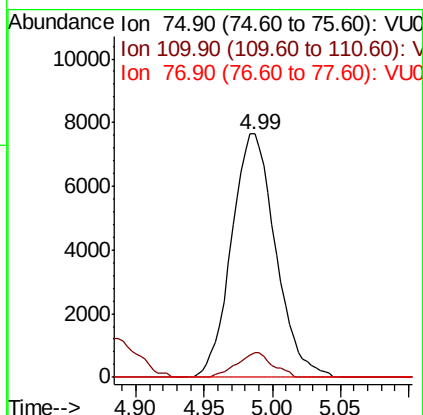
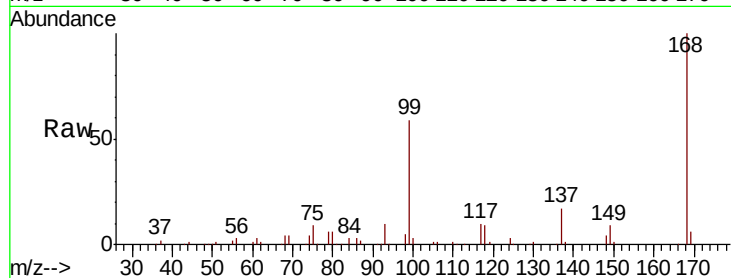




#36
 1,1-Dichloropropene
 Concen: 4.550 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027956.D
 Acq: 05 Nov 2018 14:45

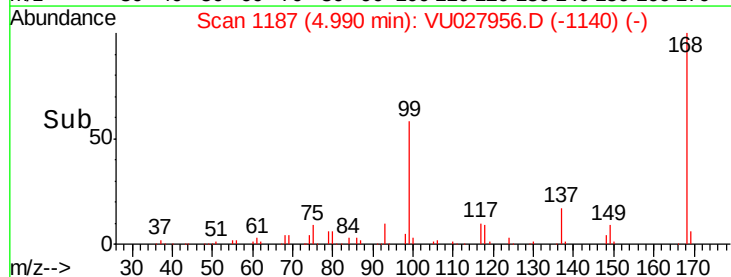
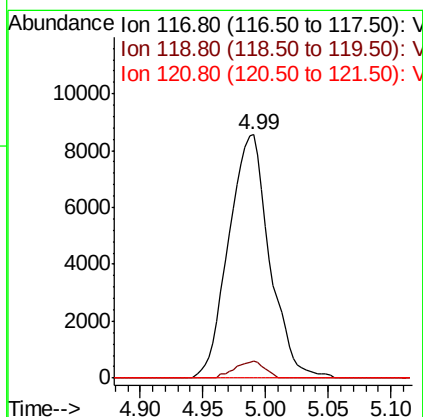
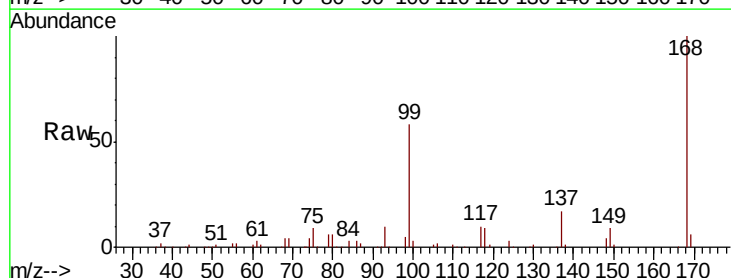
Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#11

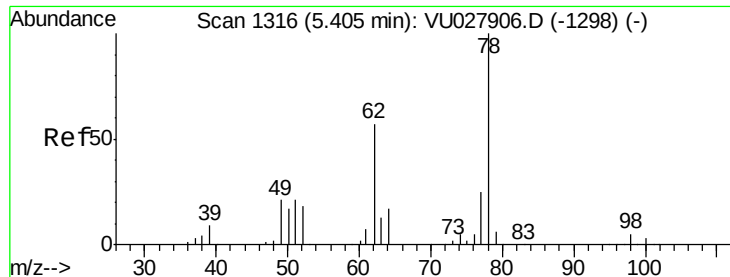
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.5	49.5#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.797 ug/l
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.15 min
 Lab File: VU027956.D
 Acq: 05 Nov 2018 14:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.2	76.0	114.0#
121	0.0	24.5	36.7#

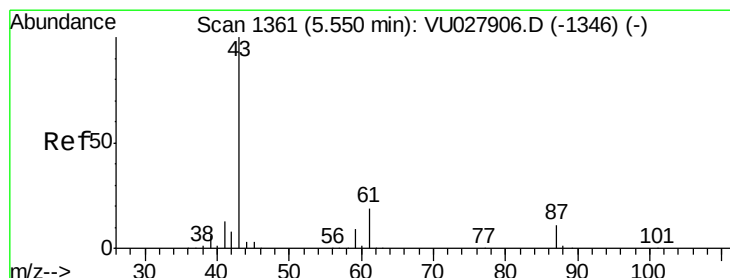
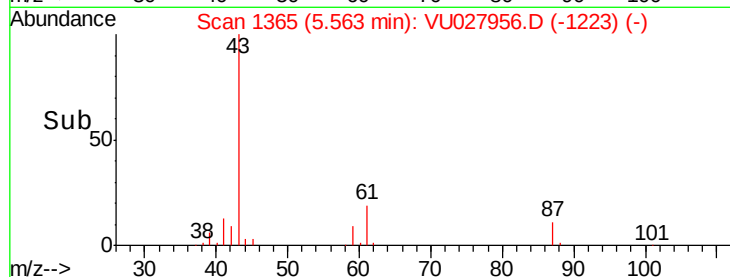
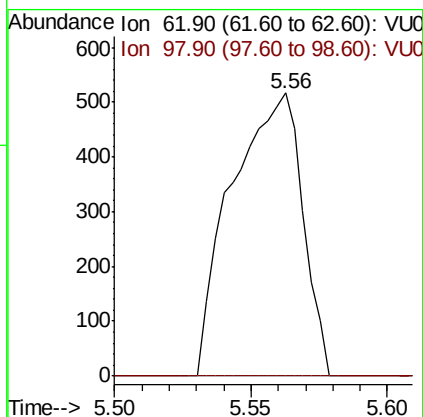
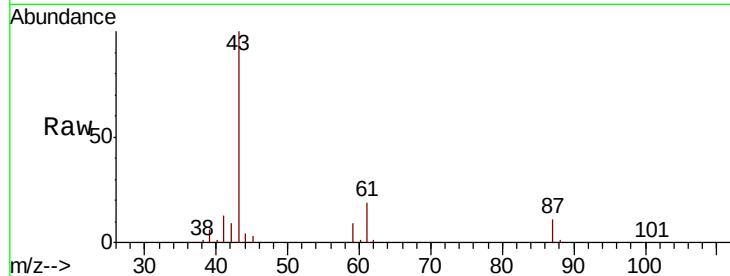




#42
 1,2-Dichloroethane
 Concen: 0.227 ug/l
 RT: 5.56 min Scan# 1365
 Delta R.T. 0.16 min
 Lab File: VU027956.D
 Acq: 05 Nov 2018 14:45

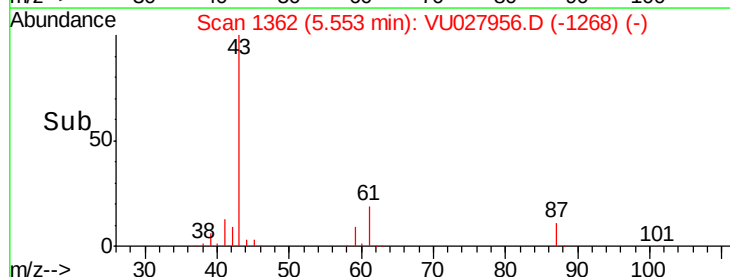
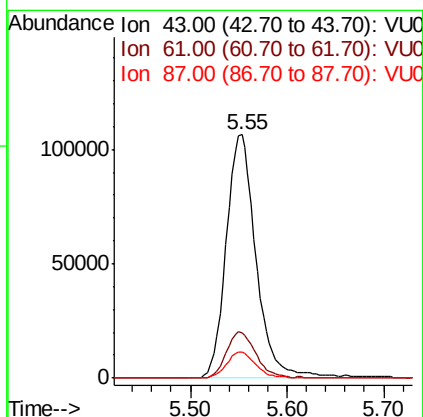
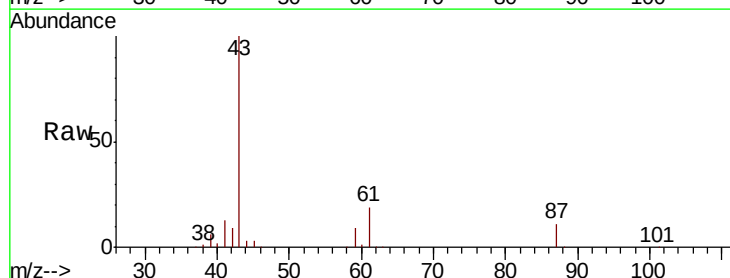
Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#11

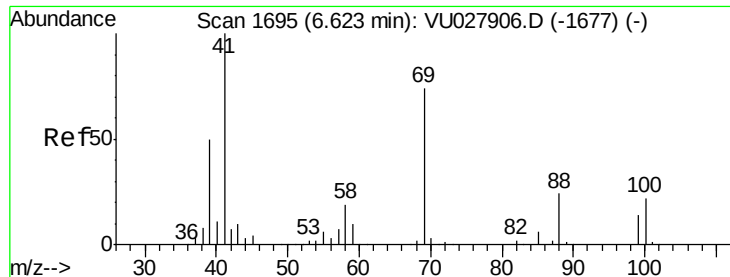
Tot Ion: 62 Resp: 930
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 17.2



#43
 Isopropyl Acetate
 Concen: 26.311 ug/l
 RT: 5.55 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VU027956.D
 Acq: 05 Nov 2018 14:45

Tgt Ion: 43 Resp: 227845
 Ion Ratio Lower Upper
 43 100
 61 18.6 15.0 22.4
 87 10.5 8.6 12.8

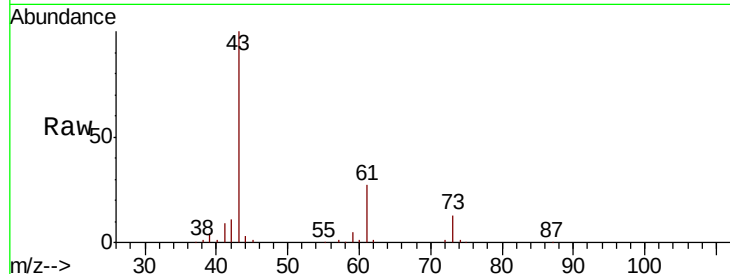




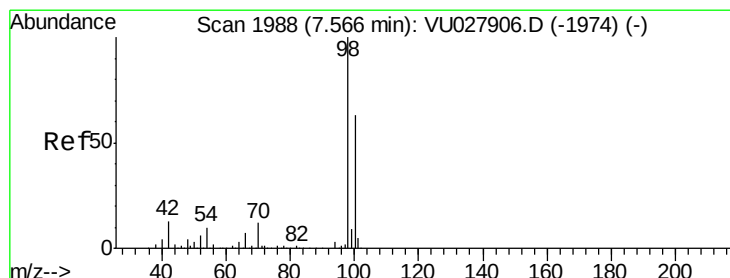
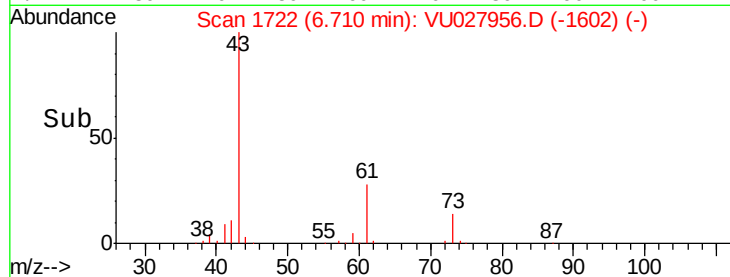
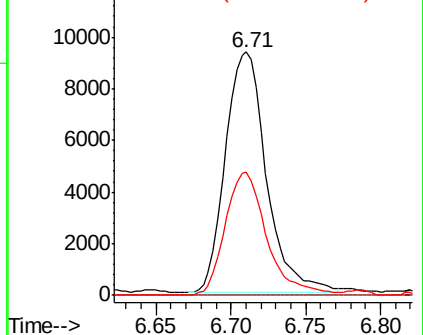
#48
Methvl methacrylate
Concen: 4.188 ug/l
RT: 6.71 min Scan# 1722
Delta R.T. 0.09 min
Lab File: VU027956.D
Acq: 05 Nov 2018 14:45

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#11

Tot Ion: 41 Resp: 17772
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 51.7 40.0 60.0

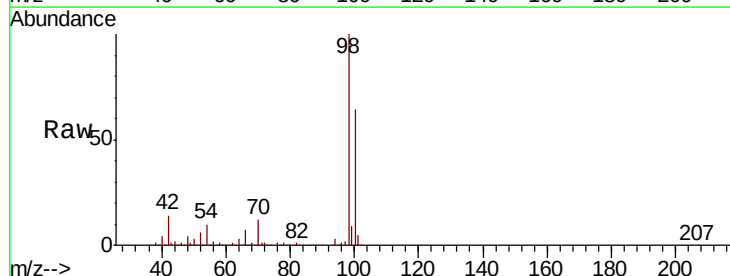


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

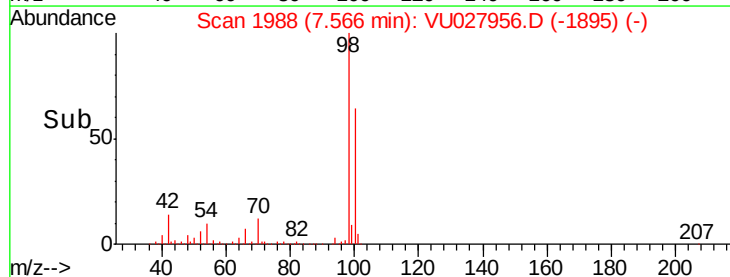
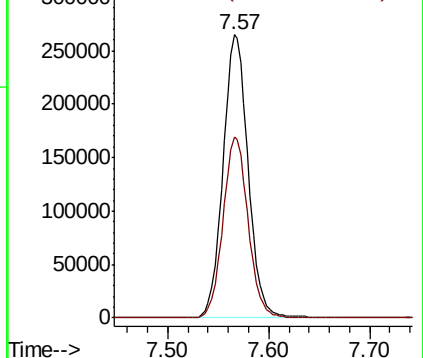


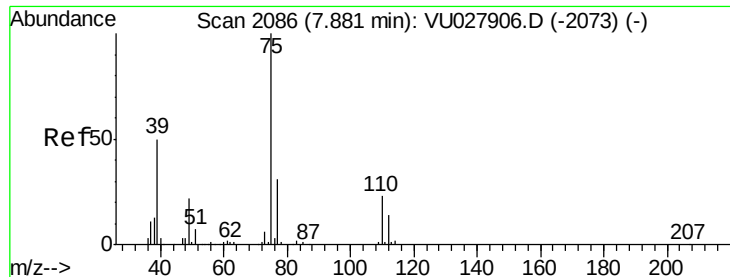
#50
Toluene-d8
Concen: 52.527 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027956.D
Acq: 05 Nov 2018 14:45

Tgt Ion: 98 Resp: 460800
Ion Ratio Lower Upper
98 100
100 64.0 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#53

t-1,3-Dichloropropene

Concen: 1.145 ug/l

RT: 8.17 min Scan# 2175

Delta R.T. 0.29 min

Lab File: VU027956.D

Acq: 05 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

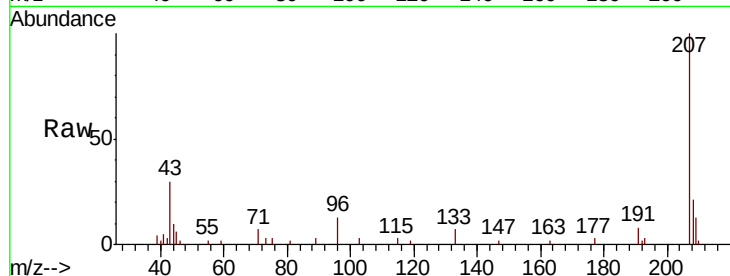
PB114473ZHE#11

Tot Ion: 75 Resp: 127

Ion Ratio Lower Upper

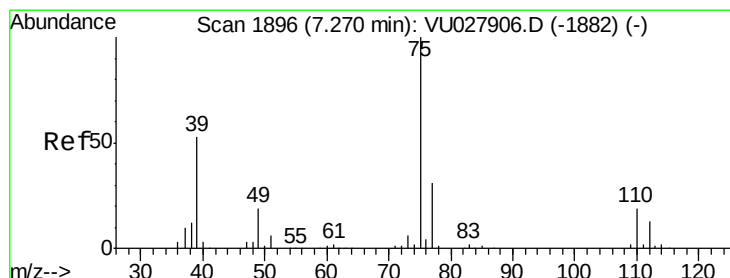
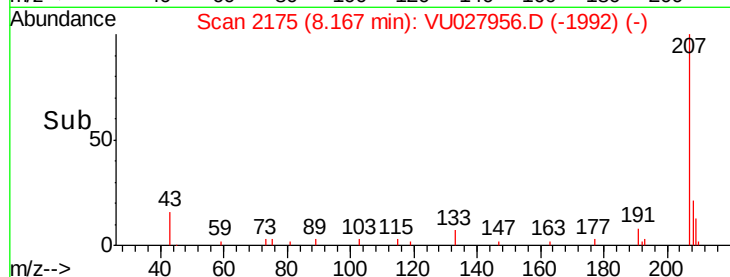
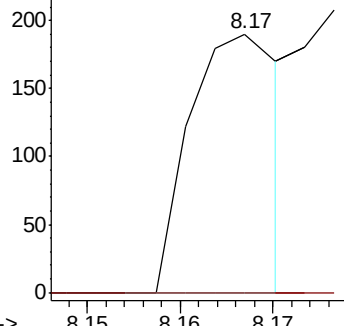
75 100

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 0.307 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. 0.15 min

Lab File: VU027956.D

Acq: 05 Nov 2018 14:45

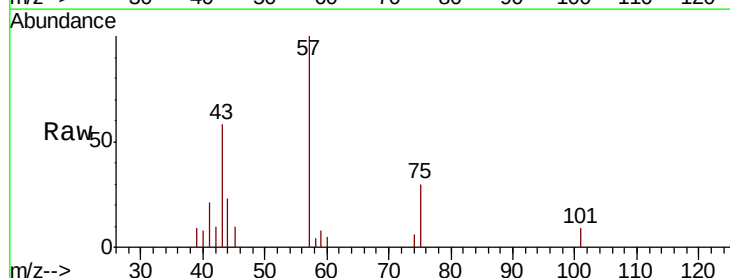
Tgt Ion: 75 Resp: 1396

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

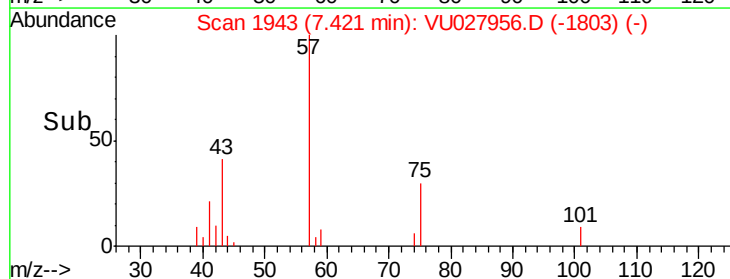
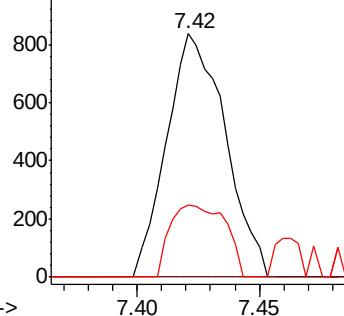
39 29.6 42.6 64.0#

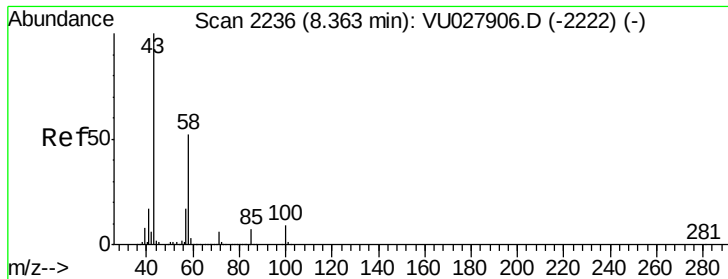


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

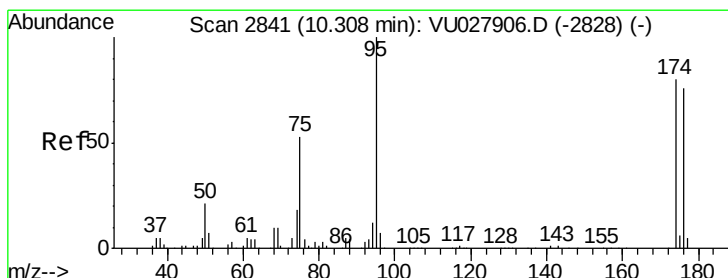
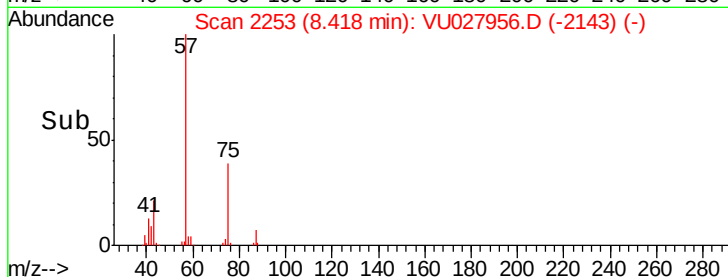
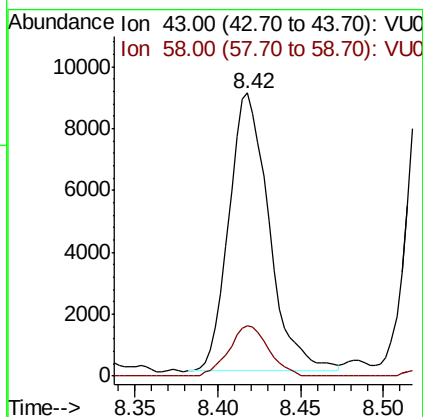
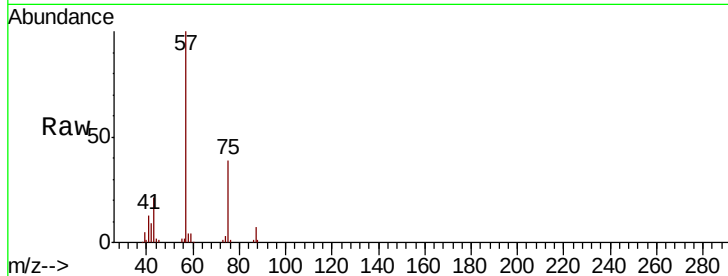




#59
 2-Hexanone
 Concen: 3.390 ug/l
 RT: 8.42 min Scan# 2253
 Delta R.T. 0.05 min
 Lab File: VU027956.D
 Acq: 05 Nov 2018 14:45

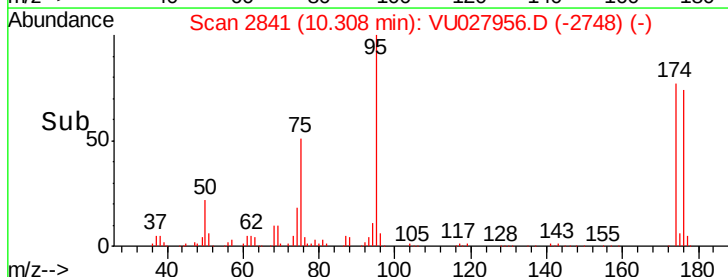
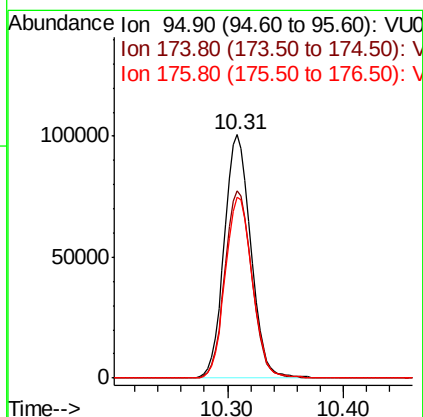
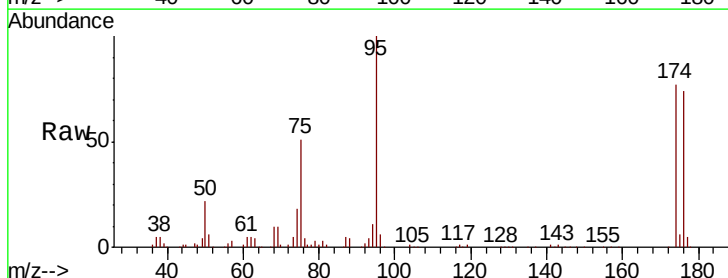
Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#11

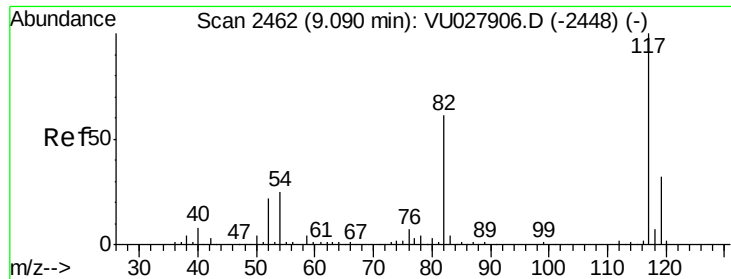
Tot Ion: 43 Resp: 15163
 Ion Ratio Lower Upper
 43 100
 58 17.8 25.8 77.3#



#62
 4-Bromofluorobenzene
 Concen: 49.324 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027956.D
 Acq: 05 Nov 2018 14:45

Tgt Ion: 95 Resp: 159599
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 156.4
 176 75.7 0.0 150.8

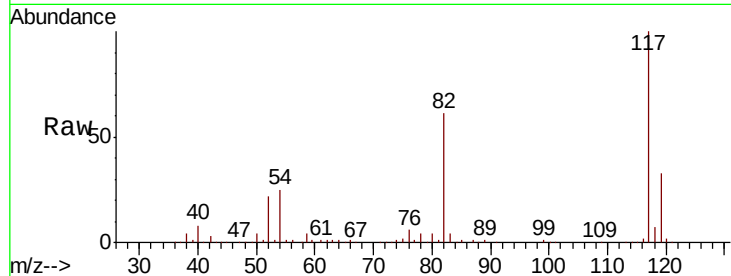




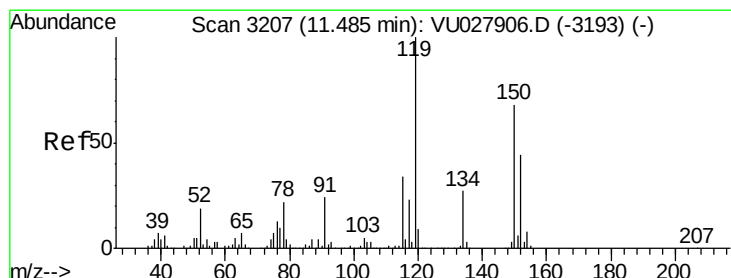
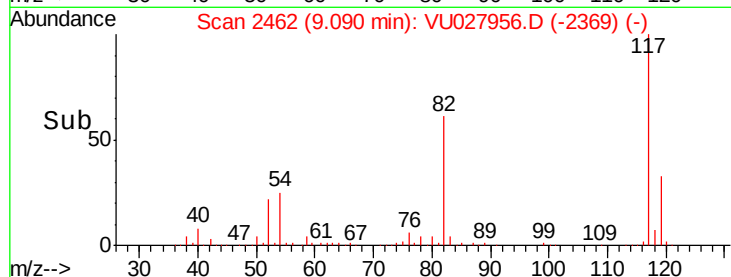
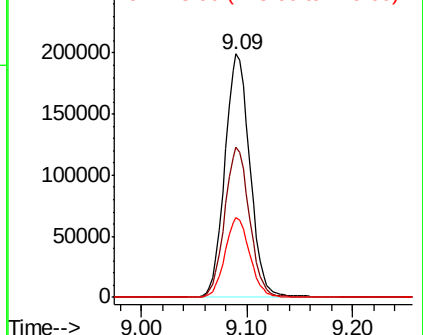
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027956.D
Acq: 05 Nov 2018 14:45

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#11

Tot Ion:117 Resp: 326971
Ion Ratio Lower Upper
117 100
82 61.5 48.6 73.0
119 33.0 25.8 38.8

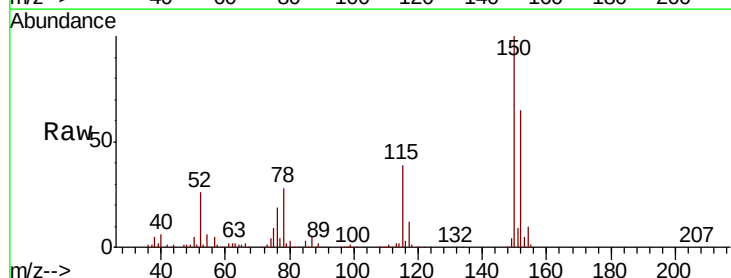


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

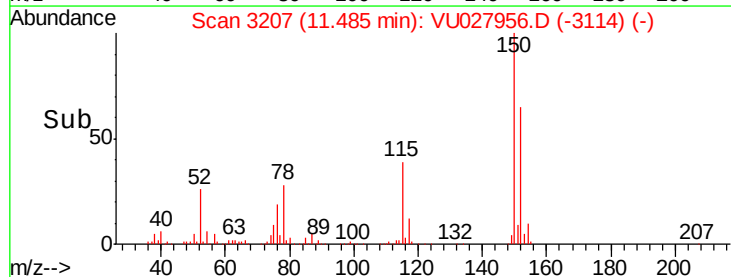
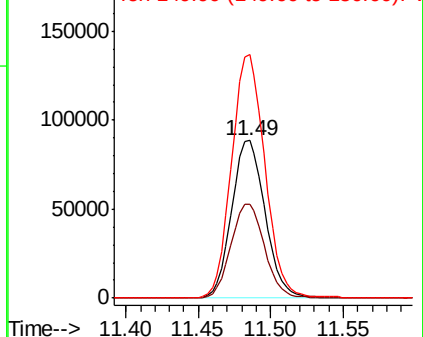


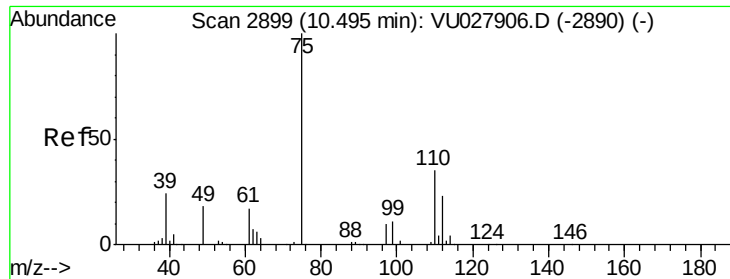
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027956.D
Acq: 05 Nov 2018 14:45

Tgt Ion:152 Resp: 142176
Ion Ratio Lower Upper
152 100
115 60.2 43.0 129.0
150 154.4 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: 21.250 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027956.D

Acq: 05 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

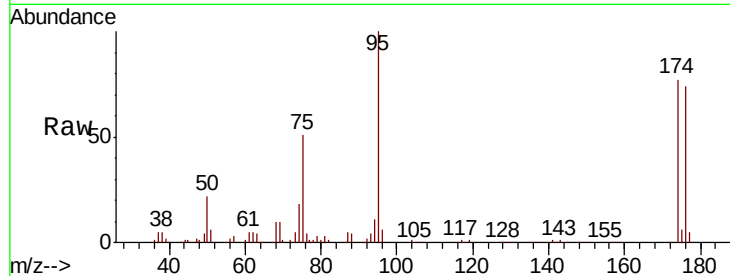
PB114473ZHE#11

Tot Ion: 75 Resp: 82638

Ion Ratio Lower Upper

75 100

77 1.4 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) (-)

10.31

50000

40000

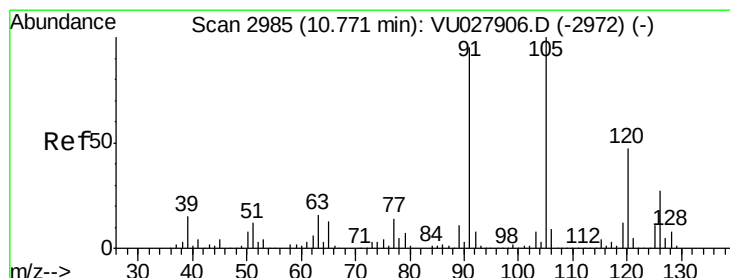
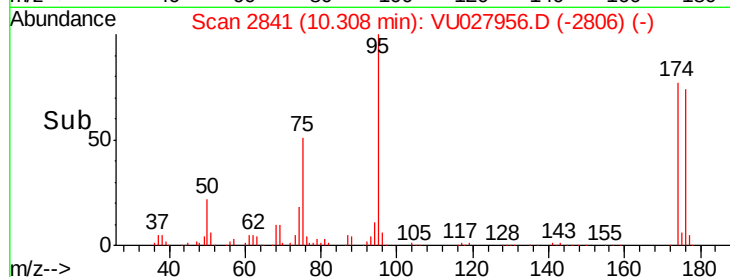
30000

20000

10000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.209 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027956.D

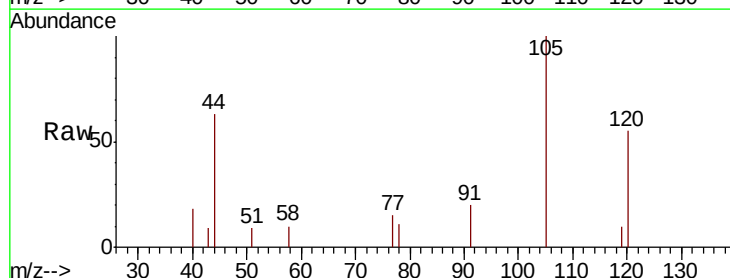
Acq: 05 Nov 2018 14:45

Tgt Ion: 105 Resp: 1904

Ion Ratio Lower Upper

105 100

120 51.7 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) (-)

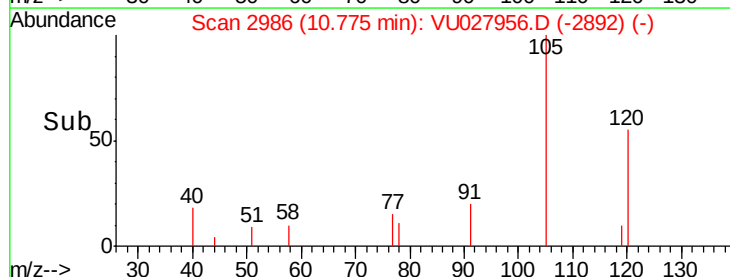
10.77

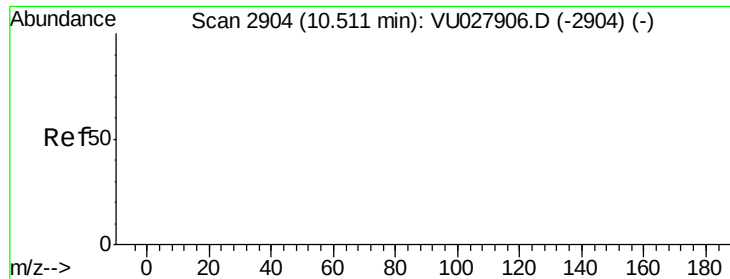
1000

500

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 53.040 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027956.D

Acq: 05 Nov 2018 14:45

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#11

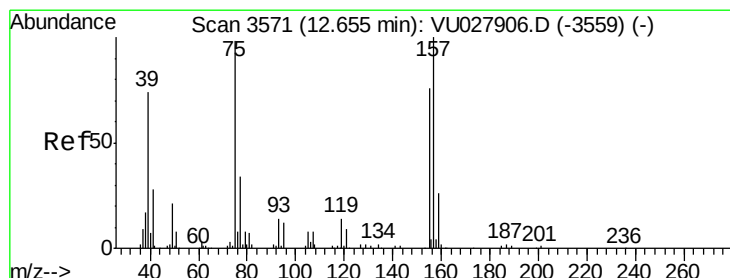
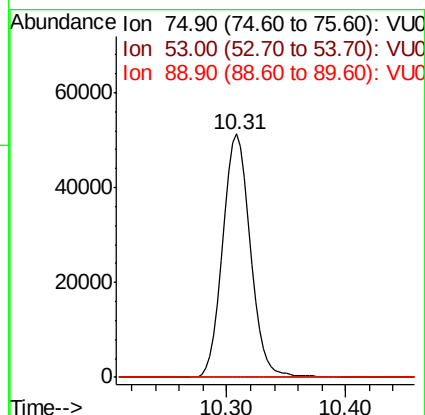
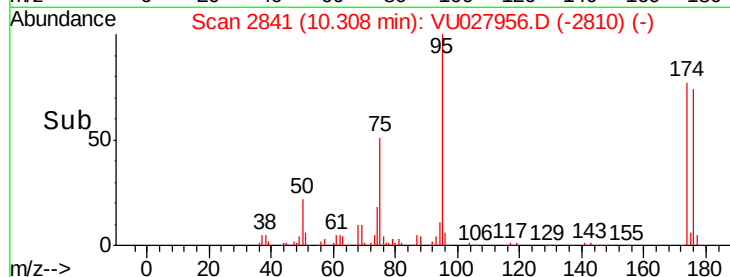
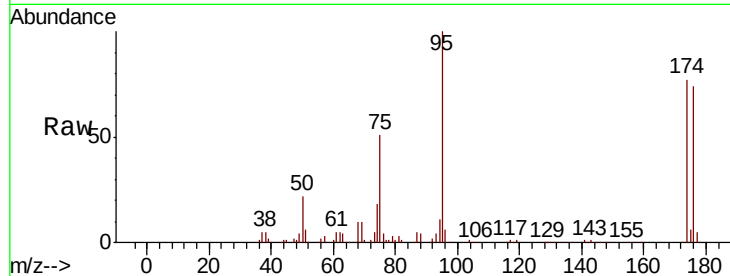
Tot Ion: 75 Resp: 82638

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.208 ug/l

RT: 12.48 min Scan# 3516

Delta R.T. -0.18 min

Lab File: VU027956.D

Acq: 05 Nov 2018 14:45

Tgt Ion: 75 Resp: 195

Ion Ratio Lower Upper

75 100

155 0.0 39.8 119.3#

157 0.0 50.6 151.9#

