

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027952.D
 Acq On : 05 Nov 2018 13:12
 Operator : MD/SY
 Sample : PB114473ZHE#07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#07

Quant Time: Nov 06 03:23:22 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	193660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	350489	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	321487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	135594	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	155468	54.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.00%	
35) Dibromofluoromethane	4.89	113	115444	52.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.48%	
50) Toluene-d8	7.57	98	453788	53.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.32%	
62) 4-Bromofluorobenzene	10.31	95	158741	50.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.84%	

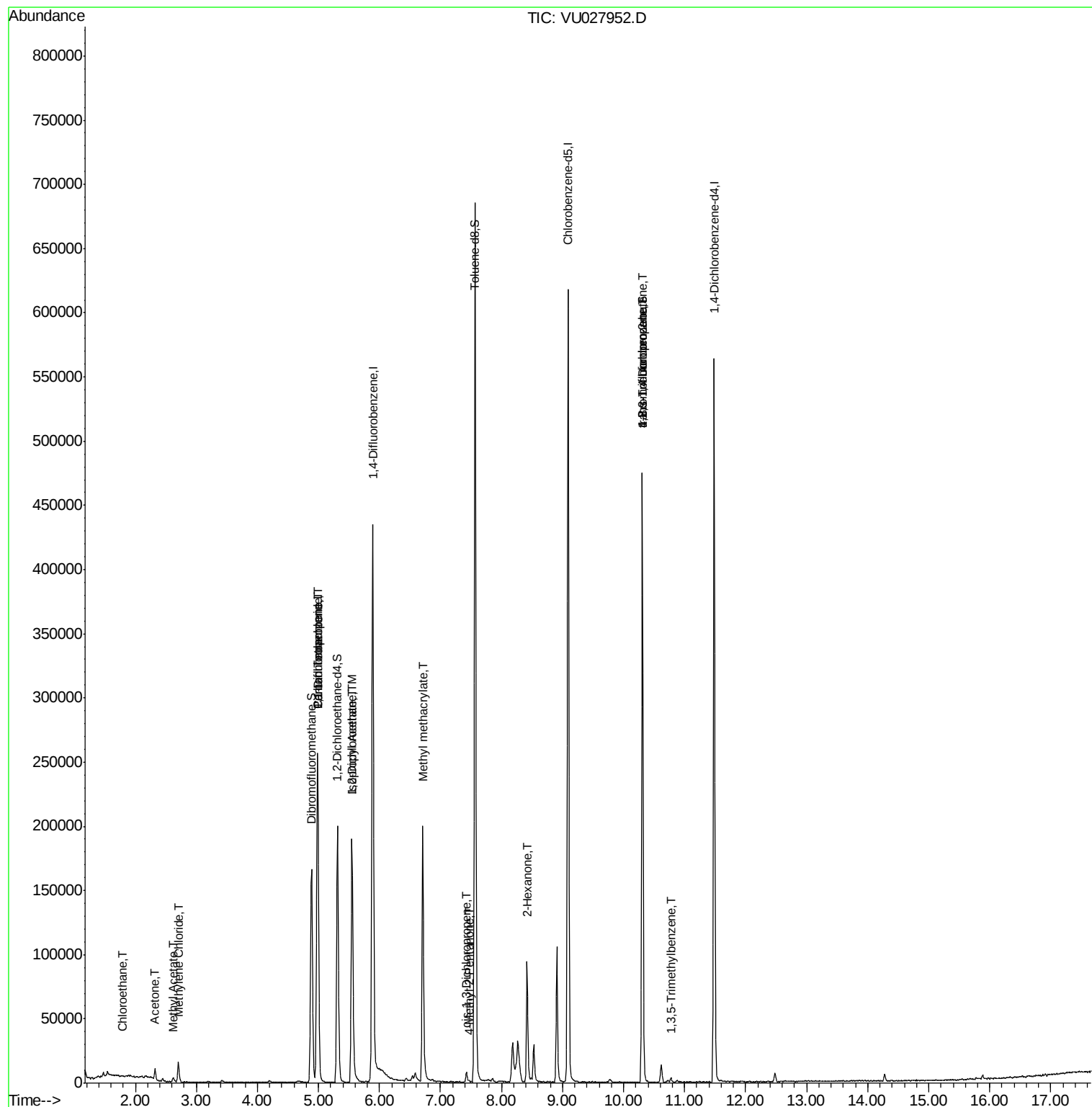
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.79	64	370	0.217	ug/l #	42
13) Acrolein	2.24	56	86	Below Cal	#	1
16) Acetone	2.32	43	8978	5.026	ug/l	94
18) Methyl Acetate	2.62	43	5691	1.158	ug/l #	88
20) Methylene Chloride	2.70	84	6757	2.591	ug/l	93
31) Cyclohexane	4.98	56	4386	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16584	4.518	ug/l #	50
38) Carbon Tetrachloride	4.98	117	19213	5.906	ug/l #	16
42) 1,2-Dichloroethane	5.55	62	1083	0.271	ug/l #	76
43) Isopropyl Acetate	5.55	43	228441	27.110	ug/l	100
48) Methyl methacrylate	6.71	41	17901	4.335	ug/l #	46
51) 4-Methyl-2-Pentanone	7.46	43	1169	0.208	ug/l	95
54) cis-1,3-Dichloropropene	7.43	75	1417	0.321	ug/l #	60
59) 2-Hexanone	8.42	43	15079	3.464	ug/l #	51
76) 1,2,3-Trichloropropane	10.31	75	81568	21.993	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	2153	0.247	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.31	75	81568	54.885	ug/l #	100

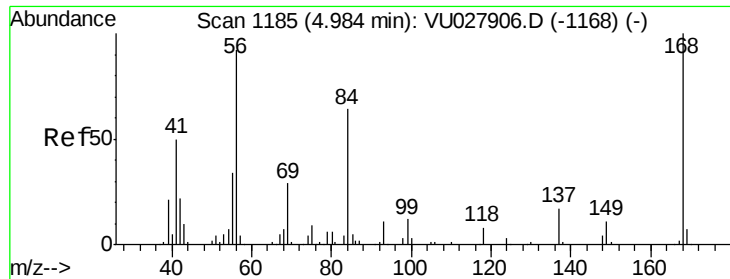
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027952.D

Acq: 05 Nov 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

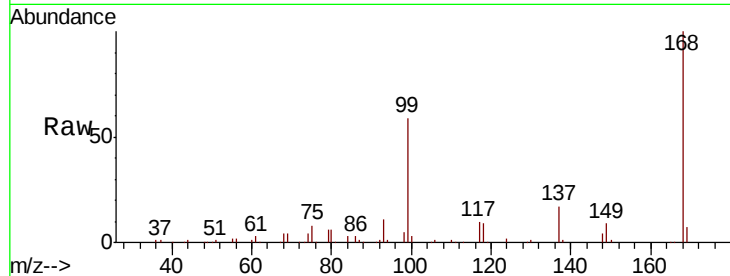
PB114473ZHE#07

Tot Ion:168 Resp: 193660

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) (-)

4.99

80000

60000

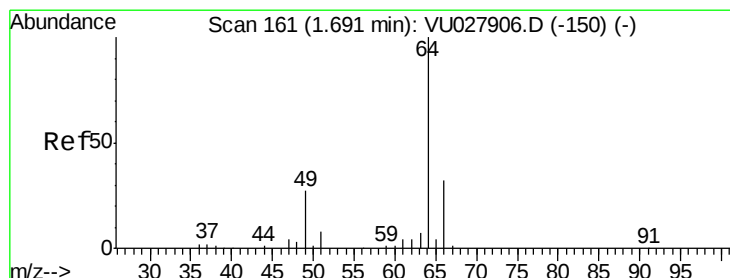
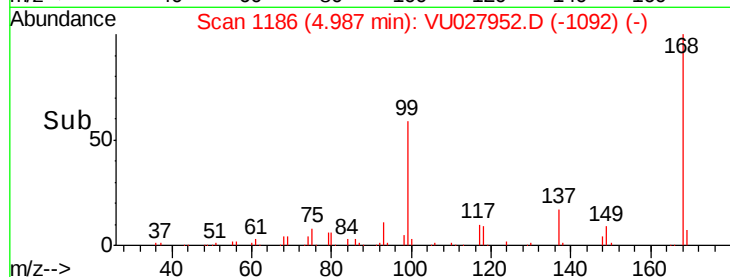
40000

20000

0

Time-->

4.90 5.00 5.10



#6

Chloroethane

Concen: 0.217 ug/l

RT: 1.79 min Scan# 192

Delta R.T. 0.10 min

Lab File: VU027952.D

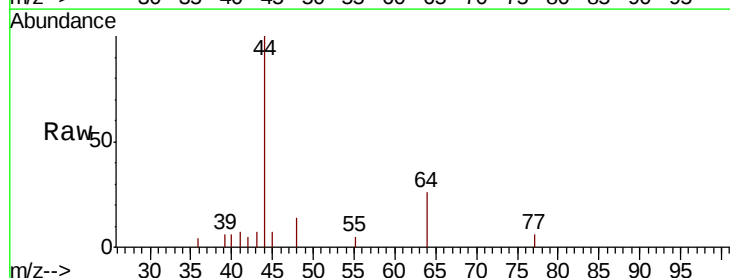
Acq: 05 Nov 2018 13:12

Tgt Ion: 64 Resp: 370

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) (-)

1.79

800

600

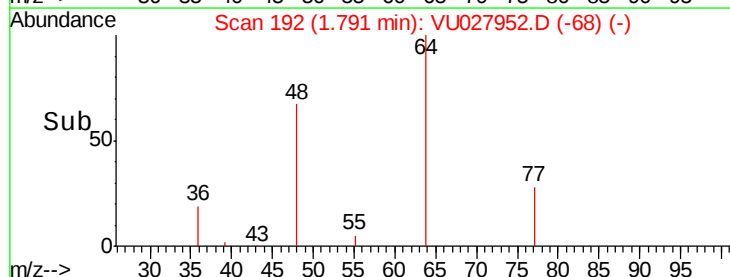
400

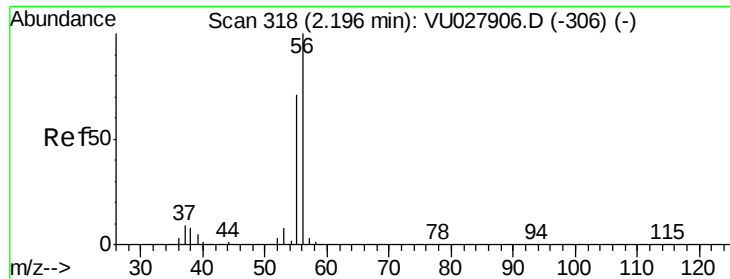
200

0

Time-->

1.76 1.78 1.80 1.82





#13

Acrolein

Concen: Below Cal

RT: 2.24 min Scan# 332

Delta R.T. 0.05 min

Lab File: VU027952.D

Acq: 05 Nov 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

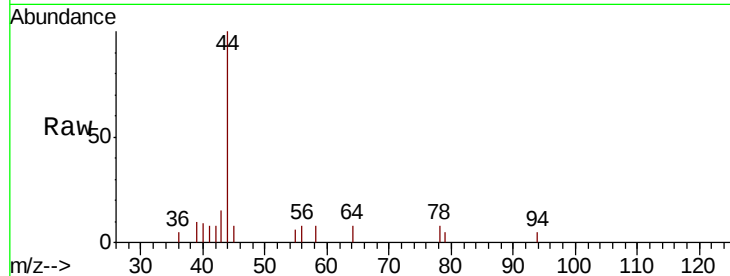
PB114473ZHE#07

Tot Ion: 56 Resp: 86

Ion Ratio Lower Upper

56 100

55 304.7 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.24

150

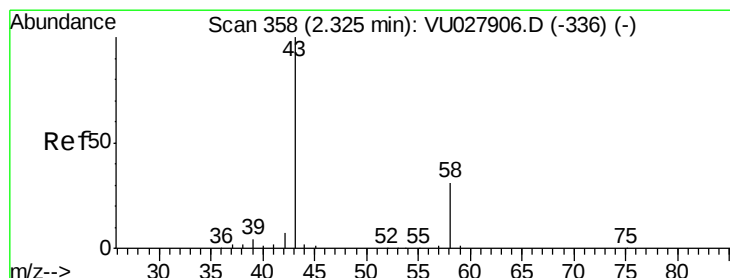
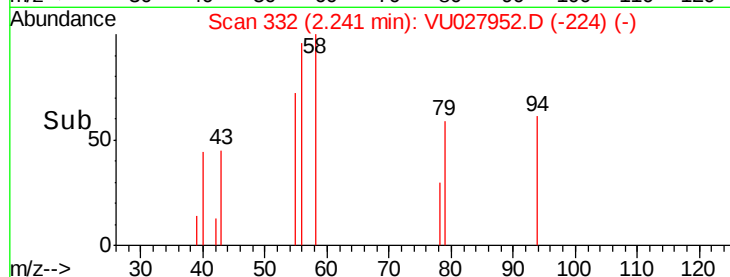
100

50

0

2.23 2.24 2.25

Time-->



#16

Acetone

Concen: 5.026 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027952.D

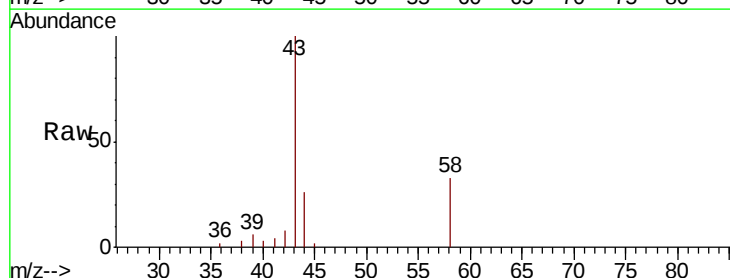
Acq: 05 Nov 2018 13:12

Tgt Ion: 43 Resp: 8978

Ion Ratio Lower Upper

43 100

58 34.2 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

6000

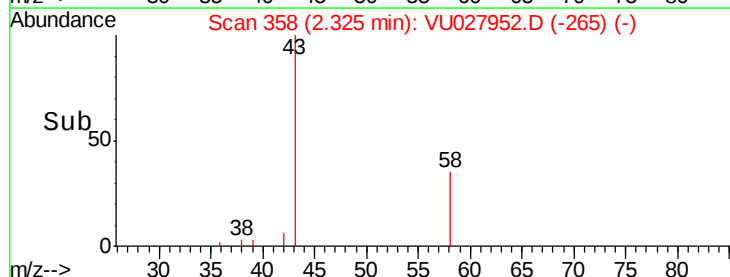
4000

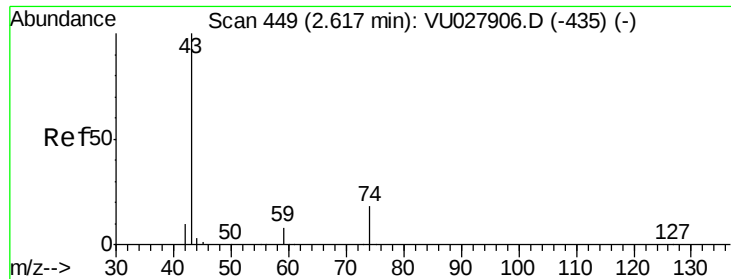
2000

0

2.25 2.30 2.35

Time-->





#18

Methyl Acetate

Concen: 1.158 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027952.D

Acq: 05 Nov 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

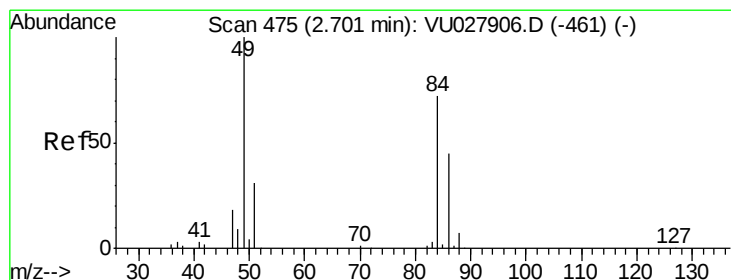
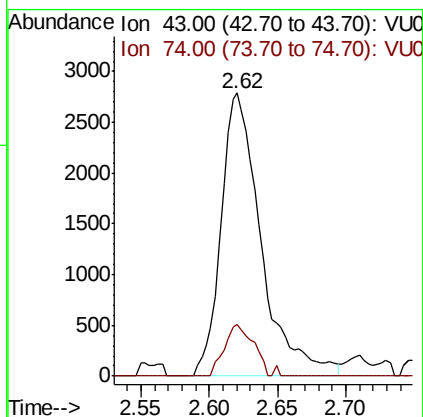
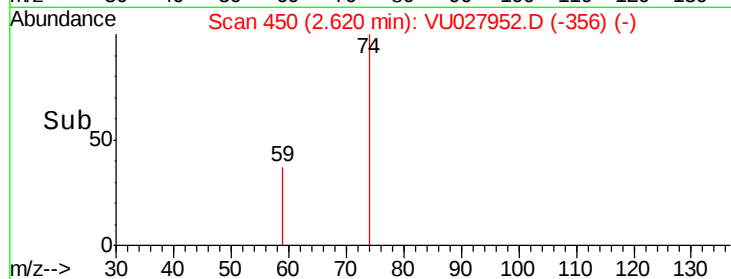
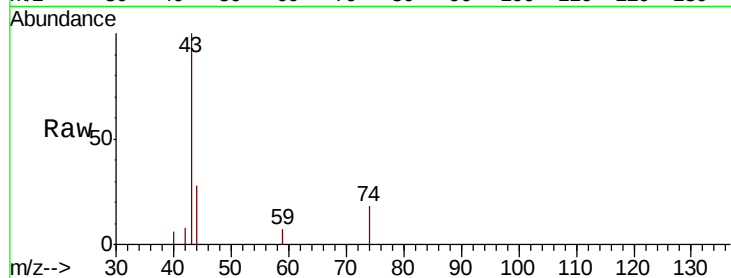
PB114473ZHE#07

Tot Ion: 43 Resp: 5691

Ion Ratio Lower Upper

43 100

74 13.1 14.9 22.3#



#20

Methylene Chloride

Concen: 2.591 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027952.D

Acq: 05 Nov 2018 13:12

Tgt Ion: 84 Resp: 6757

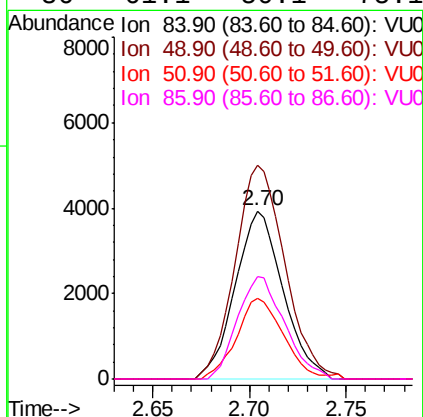
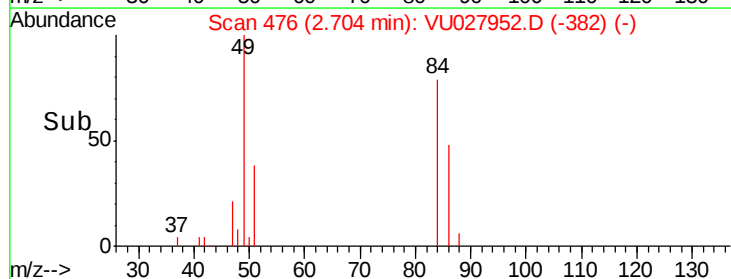
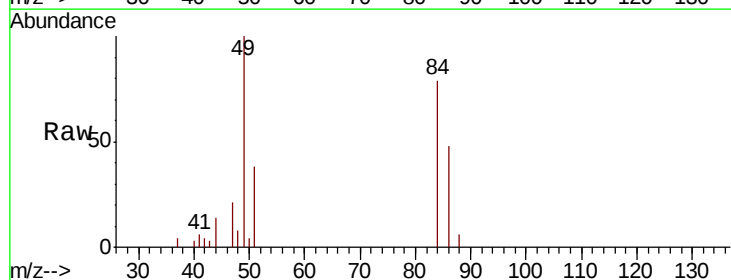
Ion Ratio Lower Upper

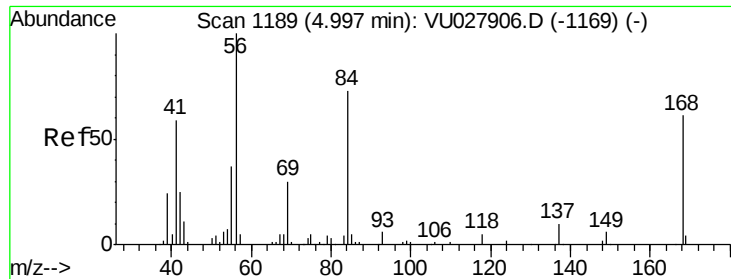
84 100

49 127.2 111.6 167.4

51 47.9 34.8 52.2

86 61.1 50.1 75.1

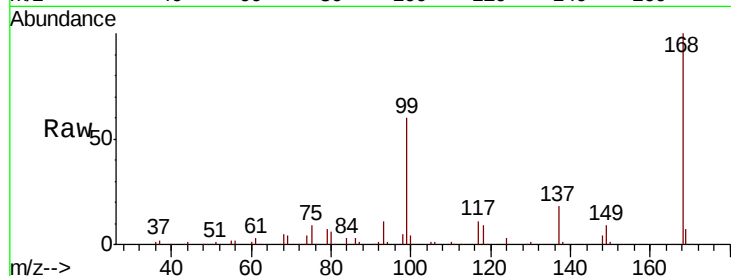




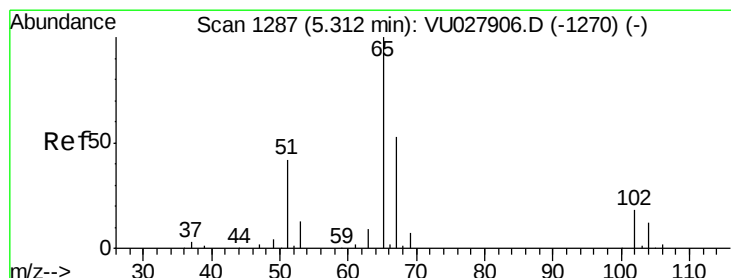
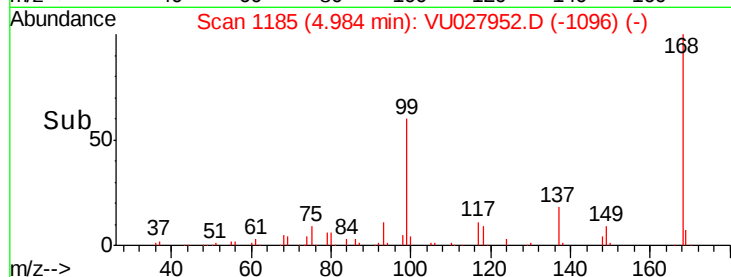
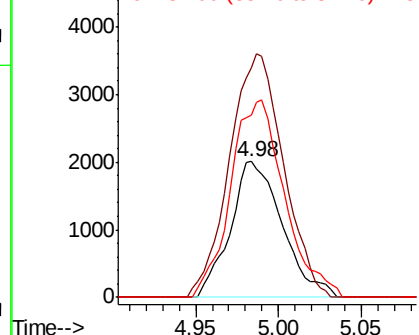
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU027952.D
Acq: 05 Nov 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#07

Tot Ion: 56 Resp: 4386
Ion Ratio Lower Upper
56 100
69 169.8 23.7 35.5#
84 134.6 58.2 87.4#

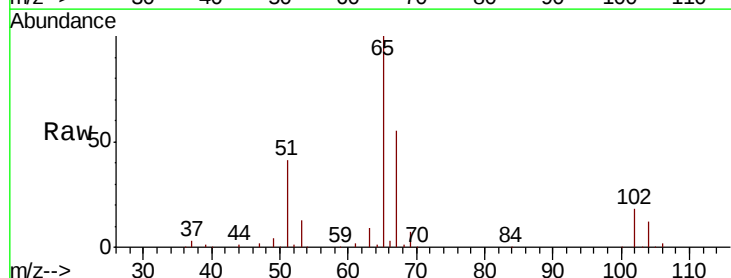


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

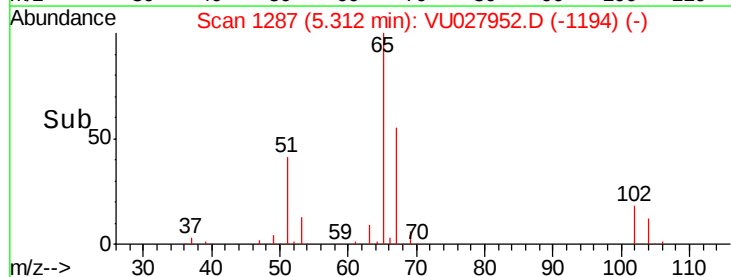
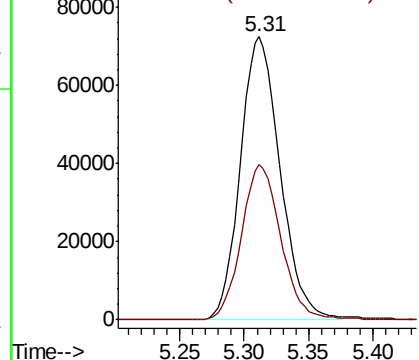


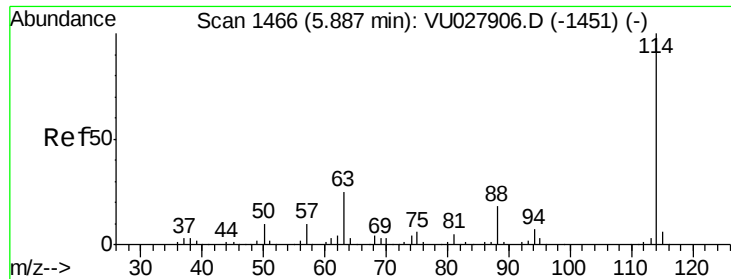
#33
1,2-Dichloroethane-d4
Concen: 53.996 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU027952.D
Acq: 05 Nov 2018 13:12

Tgt Ion: 65 Resp: 155468
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

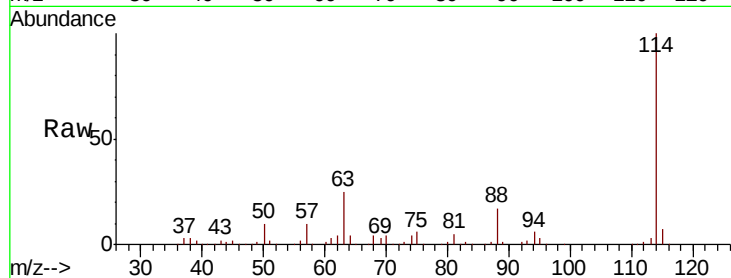




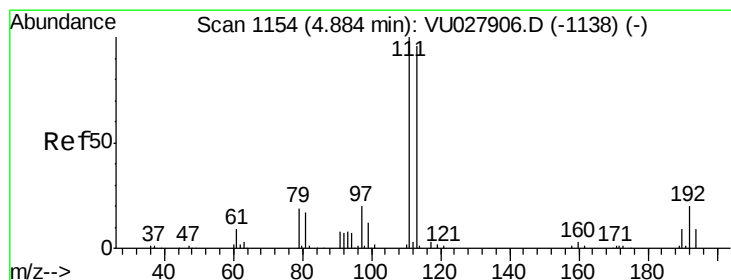
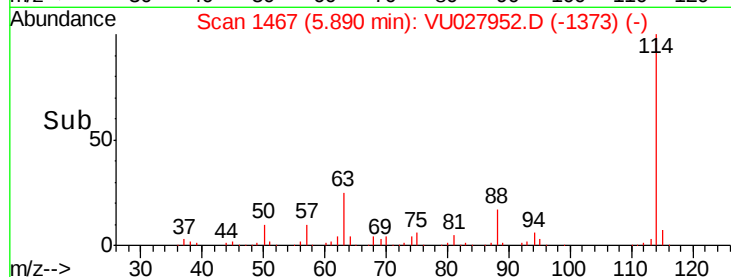
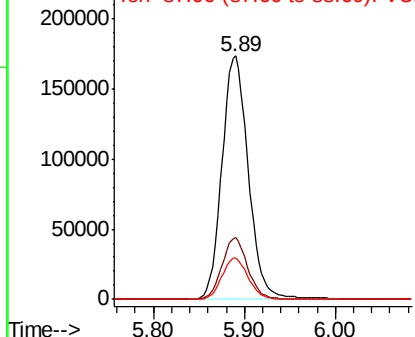
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027952.D
 Acq: 05 Nov 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#07

Tot Ion:114 Resp: 350489
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 50.8
 88 17.0 0.0 35.8

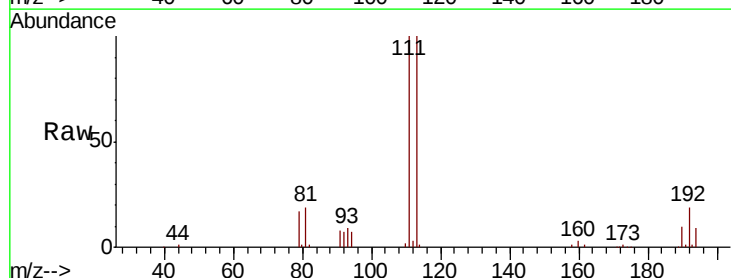


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

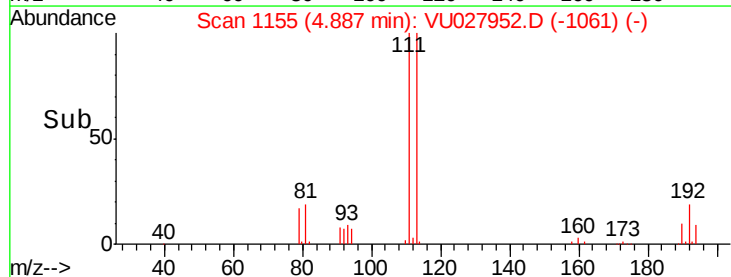
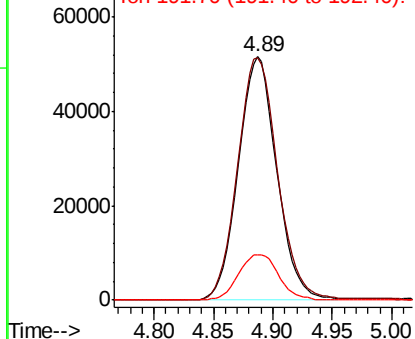


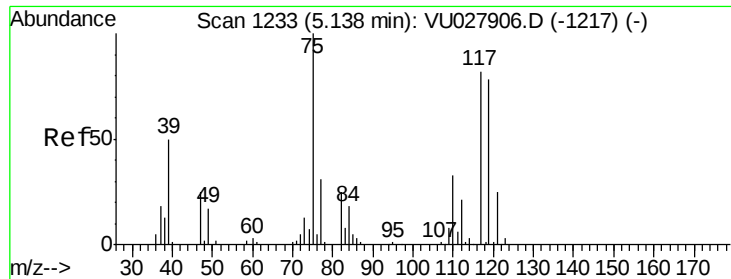
#35
 Dibromofluoromethane
 Concen: 52.240 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027952.D
 Acq: 05 Nov 2018 13:12

Tgt Ion:113 Resp: 115444
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.0 124.6
 192 19.5 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

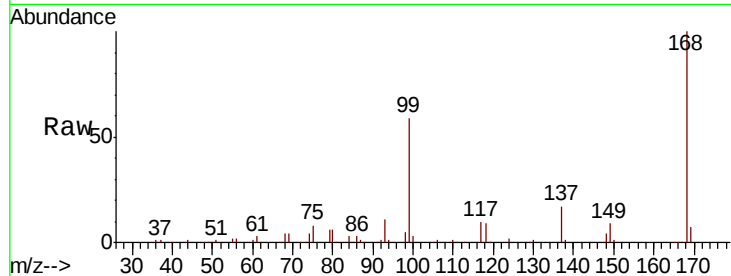




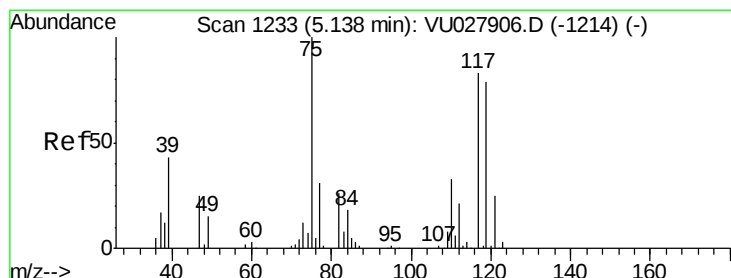
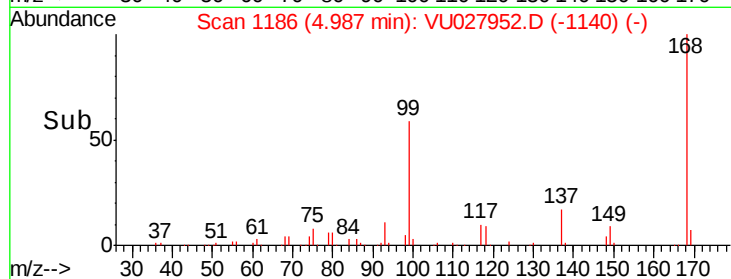
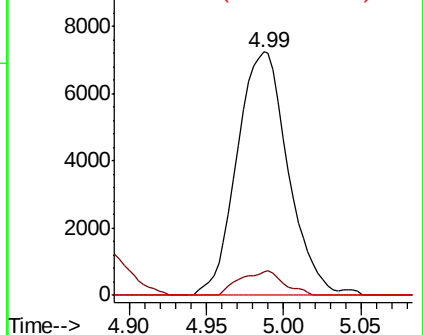
#36
 1,1-Dichloropropene
 Concen: 4.518 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027952.D
 Acq: 05 Nov 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#07

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.5	49.5#
77	0.0	24.9	37.3#

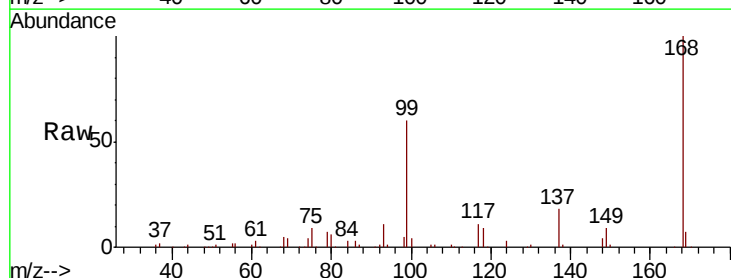


Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-1217) (-)
 Ion 109.90 (109.60 to 110.60): VU027906.D (-1217) (-)
 Ion 76.90 (76.60 to 77.60): VU027906.D (-1217) (-)

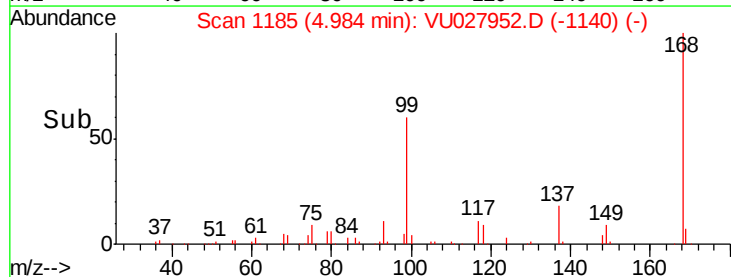
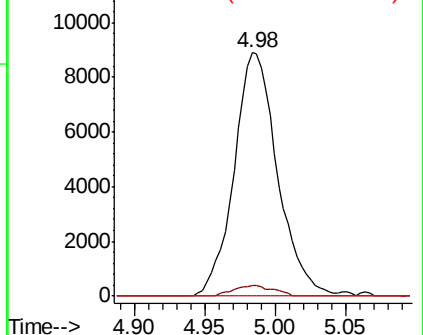


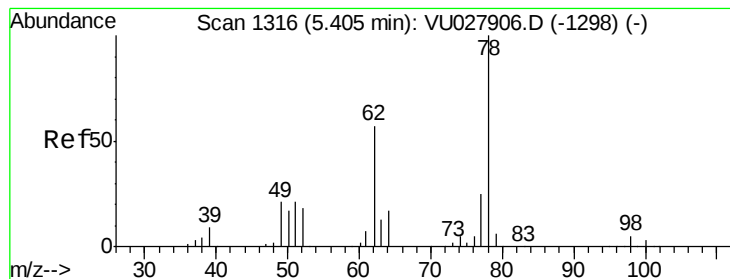
#38
 Carbon Tetrachloride
 Concen: 5.906 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027952.D
 Acq: 05 Nov 2018 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.0	114.0#
121	0.0	24.5	36.7#



Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-1214) (-)
 Ion 118.80 (118.50 to 119.50): VU027906.D (-1214) (-)
 Ion 120.80 (120.50 to 121.50): VU027906.D (-1214) (-)





#42

1,2-Dichloroethane

Concen: 0.271 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.15 min

Lab File: VU027952.D

Acq: 05 Nov 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

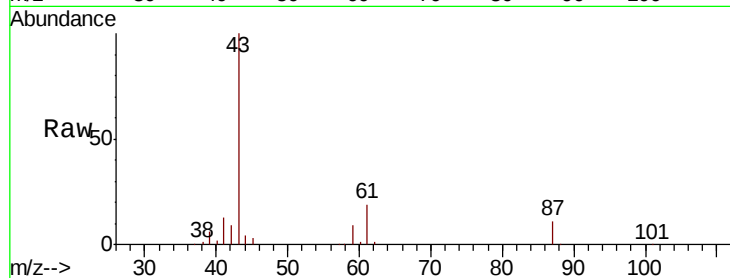
PB114473ZHE#07

Tot Ion: 62 Resp: 1083

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

5.55

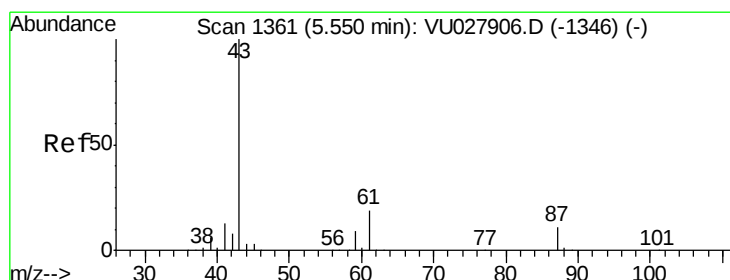
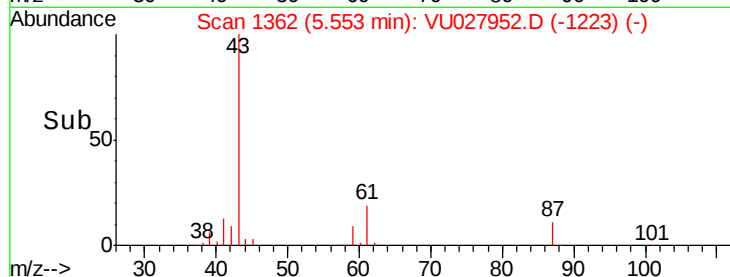
600

400

200

0

Time--> 5.50 5.55 5.60



#43

Isopropyl Acetate

Concen: 27.110 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027952.D

Acq: 05 Nov 2018 13:12

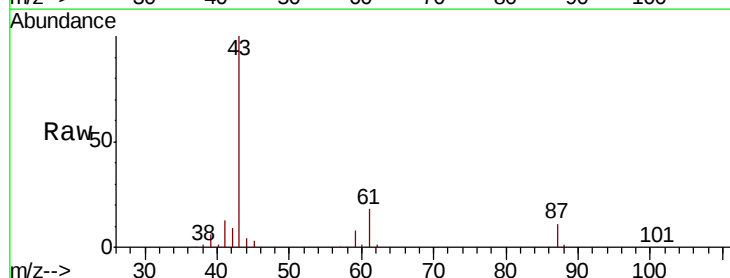
Tgt Ion: 43 Resp: 228441

Ion Ratio Lower Upper

43 100

61 18.9 15.0 22.4

87 10.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

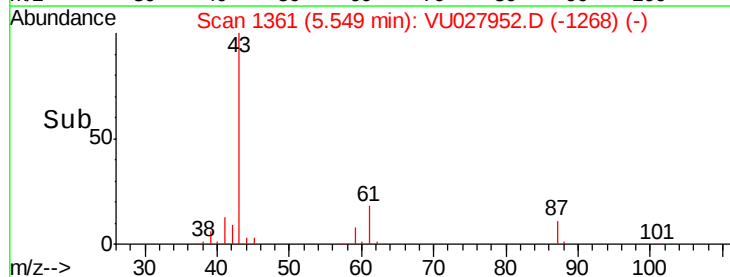
Ion 87.00 (86.70 to 87.70): VU0

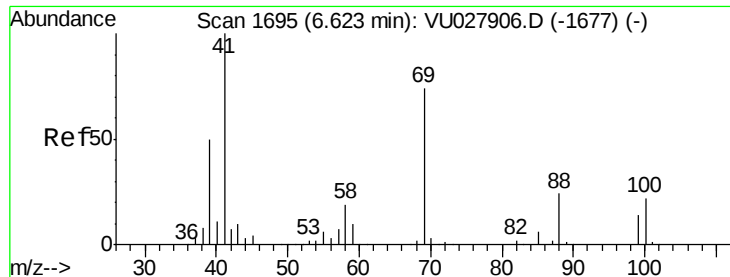
100000

50000

0

Time--> 5.50 5.55 5.60

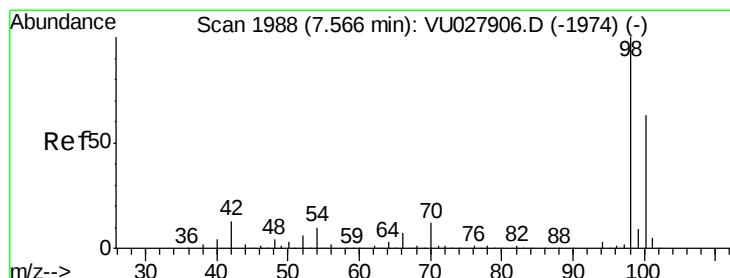
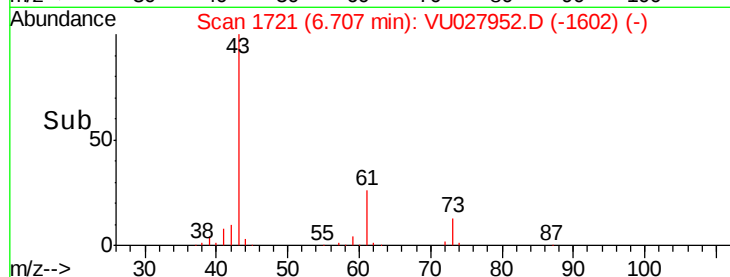
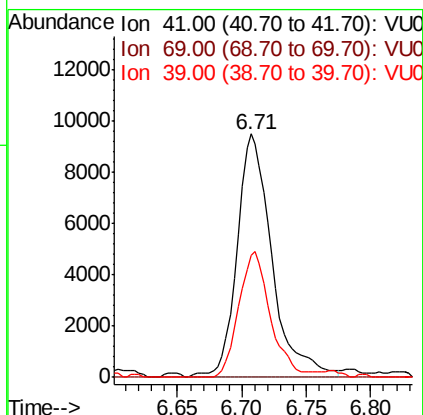
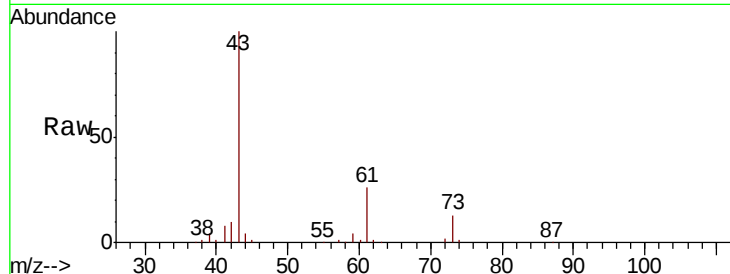




#48
Methvl methacrylate
Concen: 4.335 ug/l
RT: 6.71 min Scan# 1721
Delta R.T. 0.08 min
Lab File: VU027952.D
Acq: 05 Nov 2018 13:12

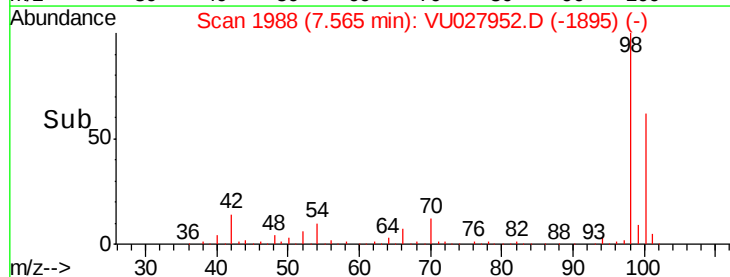
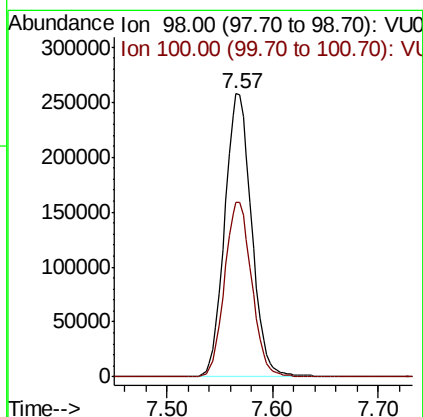
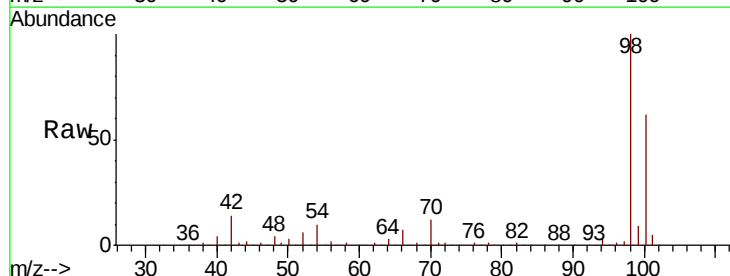
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#07

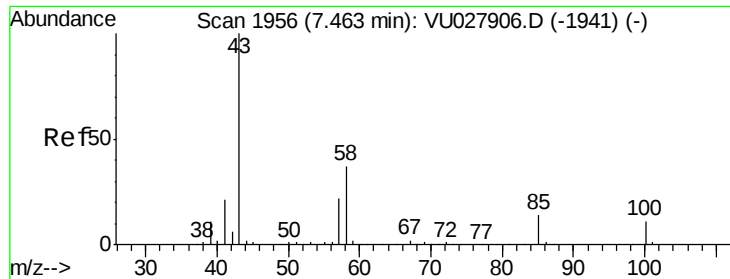
Tot Ion: 41 Resp: 17901
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 46.9 40.0 60.0



#50
Toluene-d8
Concen: 53.158 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027952.D
Acq: 05 Nov 2018 13:12

Tgt Ion: 98 Resp: 453788
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 0.208 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027952.D

Acq: 05 Nov 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

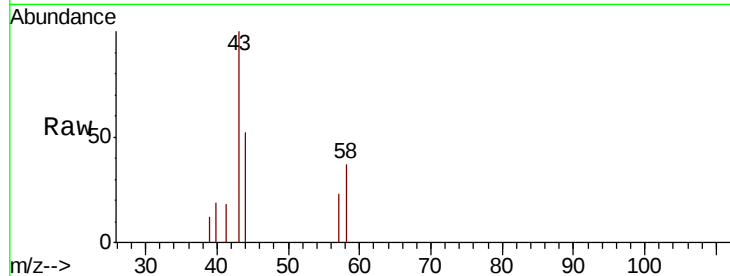
PB114473ZHE#07

Tot Ion: 43 Resp: 1169

Ion Ratio Lower Upper

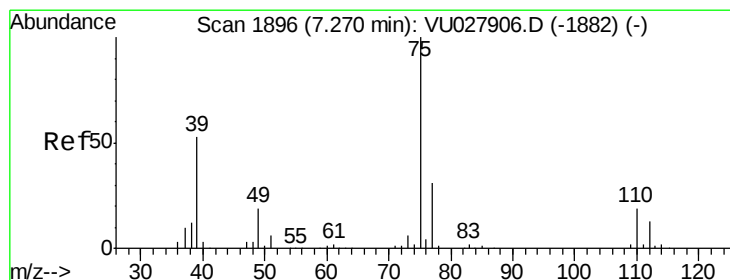
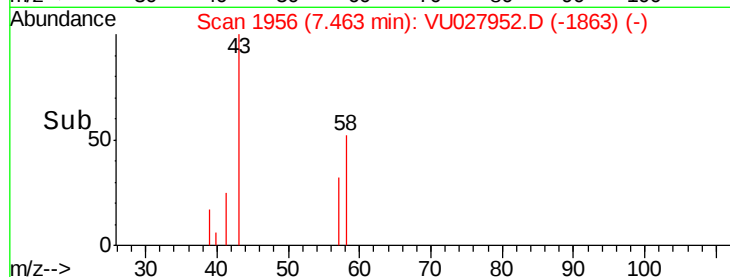
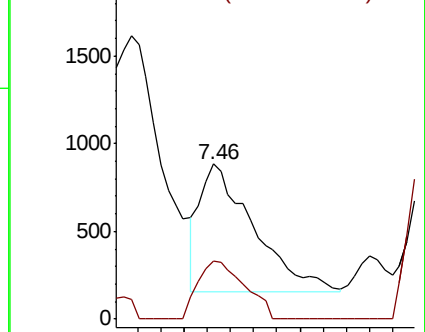
43 100

58 39.7 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#54

cis-1,3-Dichloropropene

Concen: 0.321 ug/l

RT: 7.43 min Scan# 1946

Delta R.T. 0.16 min

Lab File: VU027952.D

Acq: 05 Nov 2018 13:12

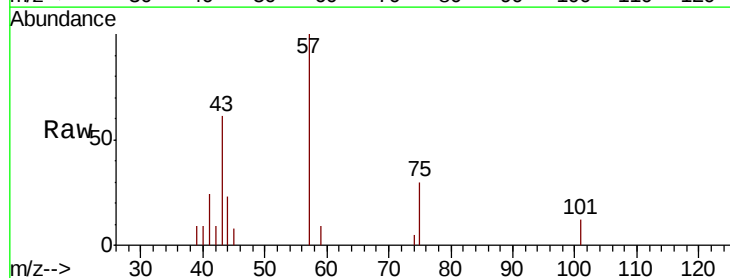
Tgt Ion: 75 Resp: 1417

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

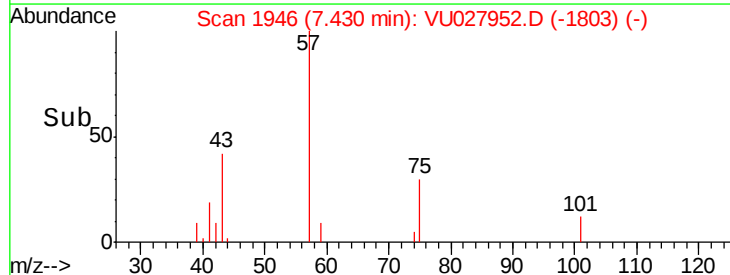
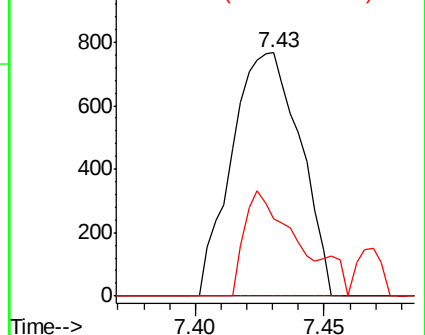
39 31.7 42.6 64.0#

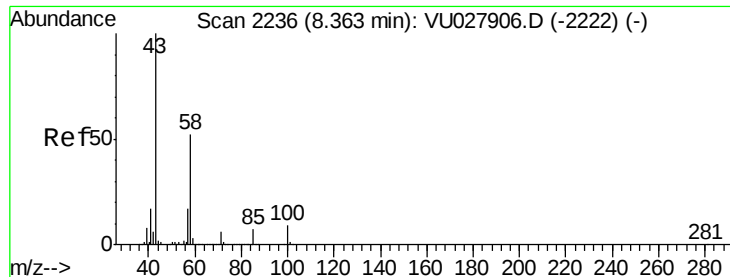


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#59

2-Hexanone

Concen: 3.464 ug/l

RT: 8.42 min Scan# 2253

Delta R.T. 0.05 min

Lab File: VU027952.D

Acq: 05 Nov 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

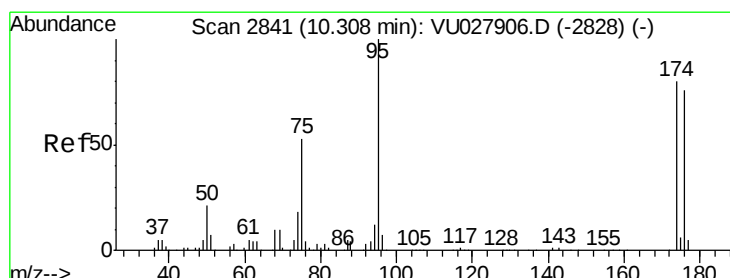
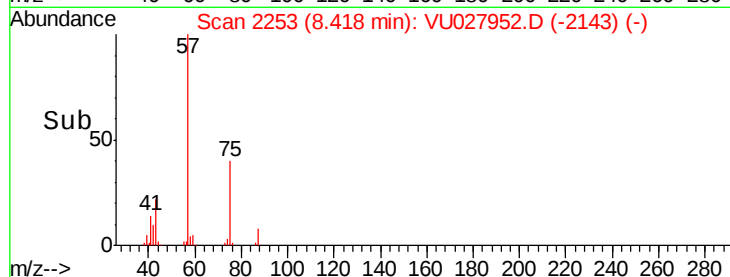
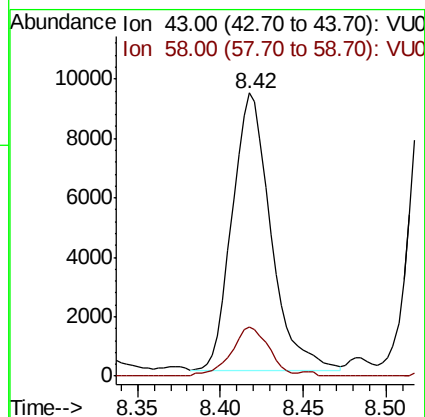
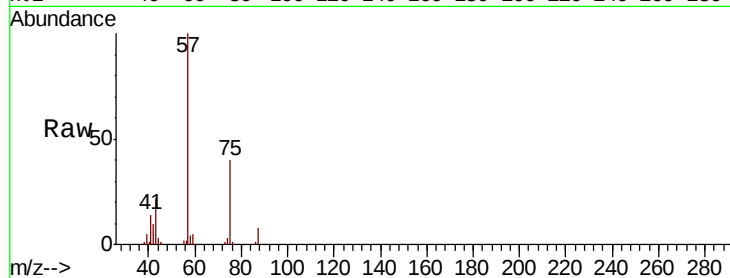
PB114473ZHE#07

Tot Ion: 43 Resp: 15079

Ion Ratio Lower Upper

43 100

58 17.3 25.8 77.3#



#62

4-Bromofluorobenzene

Concen: 50.415 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027952.D

Acq: 05 Nov 2018 13:12

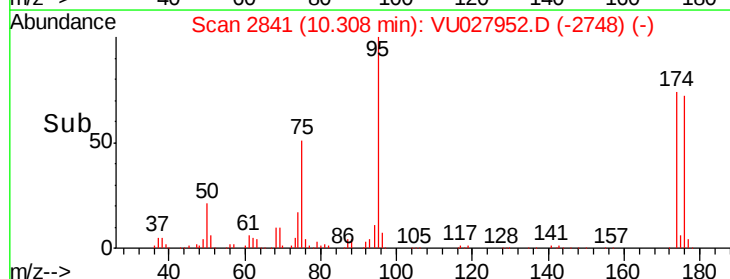
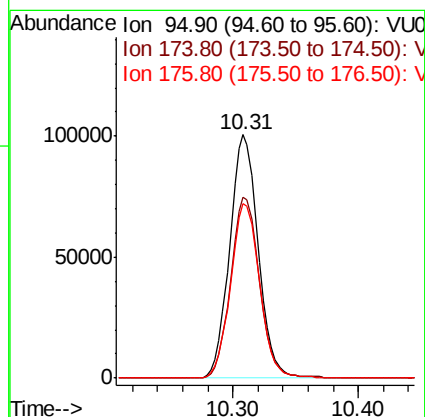
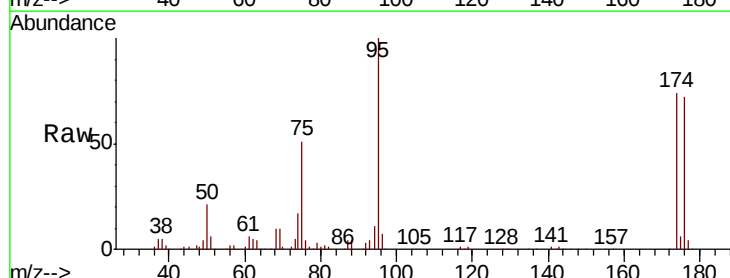
Tgt Ion: 95 Resp: 158741

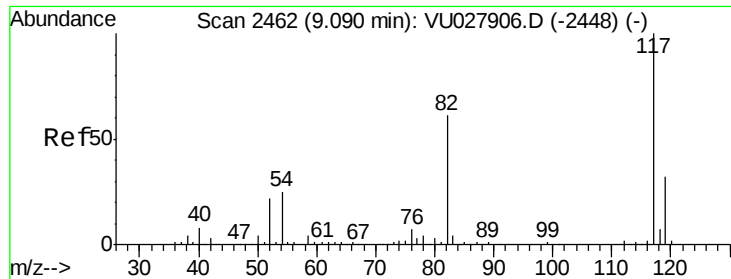
Ion Ratio Lower Upper

95 100

174 75.3 0.0 156.4

176 73.2 0.0 150.8

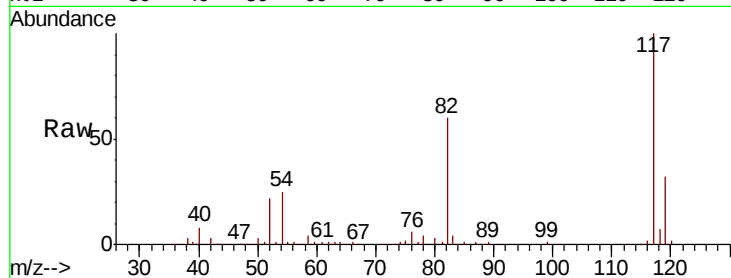




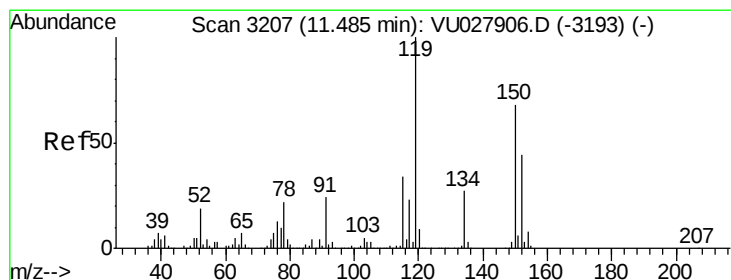
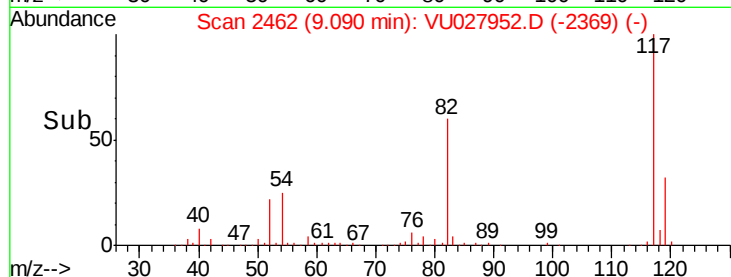
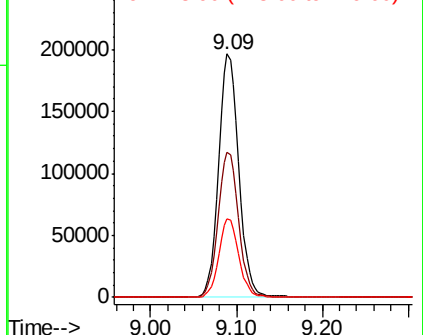
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027952.D
Acq: 05 Nov 2018 13:12

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#07

Tot Ion:117 Resp: 321487
Ion Ratio Lower Upper
117 100
82 59.5 48.6 73.0
119 32.3 25.8 38.8

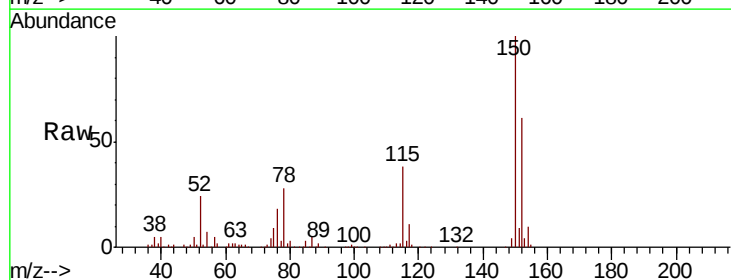


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

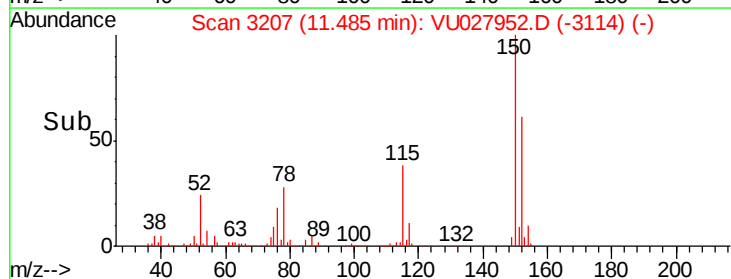
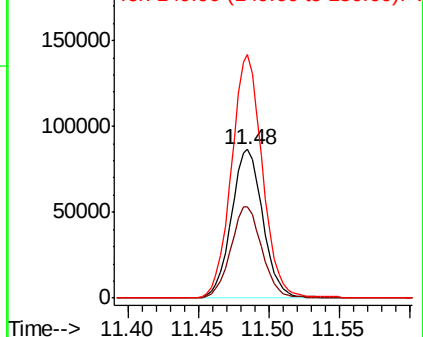


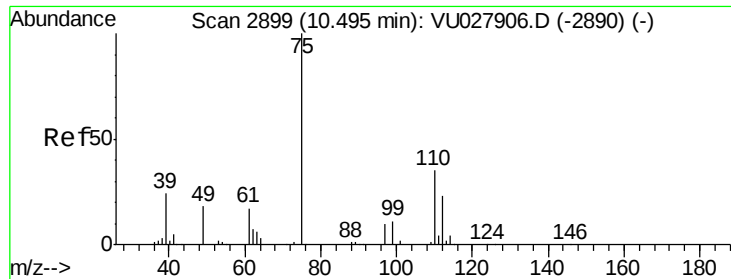
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027952.D
Acq: 05 Nov 2018 13:12

Tgt Ion:152 Resp: 135594
Ion Ratio Lower Upper
152 100
115 60.8 43.0 129.0
150 161.2 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: 21.993 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027952.D

Acq: 05 Nov 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

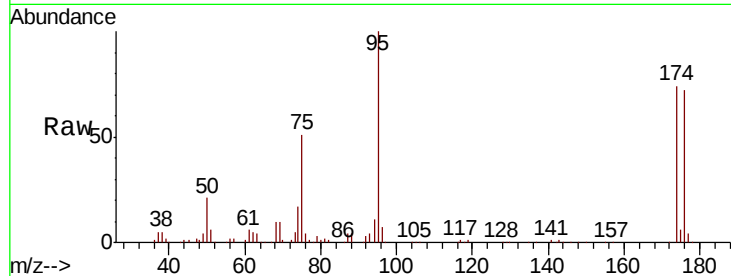
PB114473ZHE#07

Tot Ion: 75 Resp: 81568

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

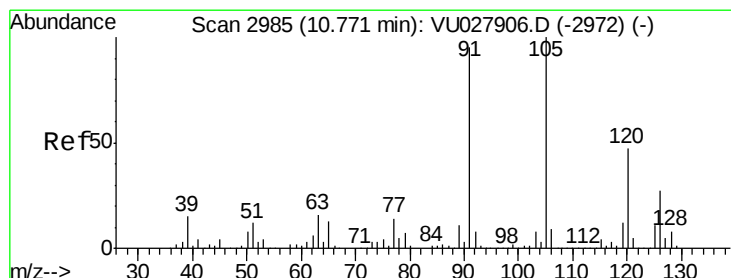
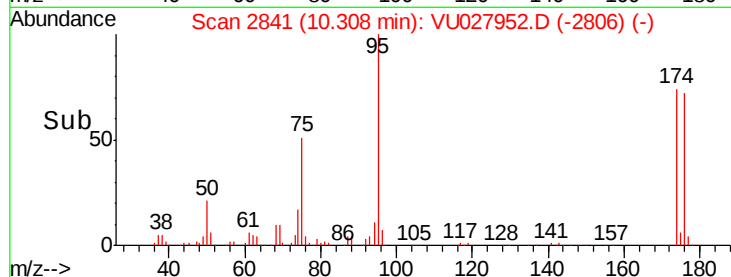
20000

10000

0

Time-->

10.25 10.30 10.35



#80

1,3,5-Trimethylbenzene

Concen: 0.247 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027952.D

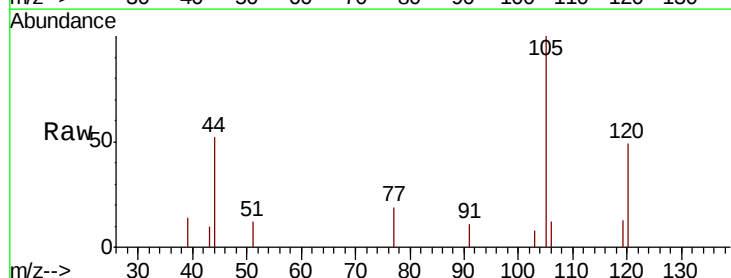
Acq: 05 Nov 2018 13:12

Tgt Ion: 105 Resp: 2153

Ion Ratio Lower Upper

105 100

120 45.8 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

1500

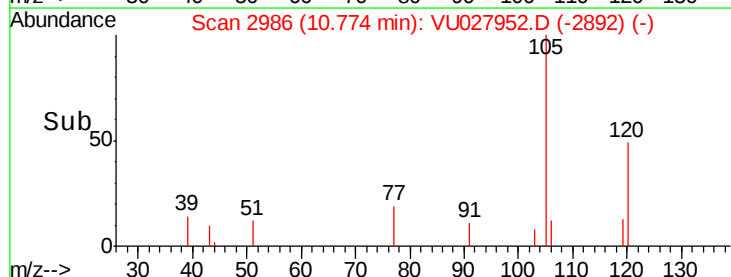
1000

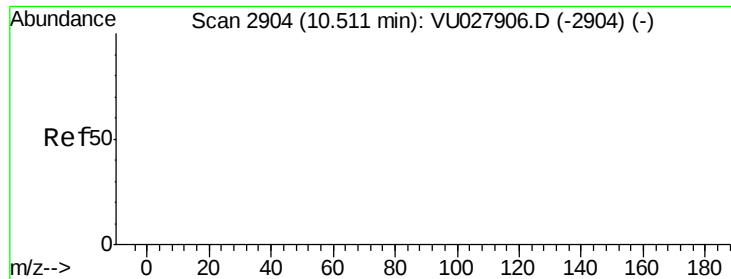
500

0

Time-->

10.75 10.80





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.885 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU027952.D
 Acq: 05 Nov 2018 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#07

Tot Ion: 75 Resp: 81568
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

