

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110518\
 Data File : VU027947.D
 Acq On : 05 Nov 2018 11:17
 Operator : MD/SY
 Sample : PB114473ZHE#02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#02

Quant Time: Nov 06 03:22:12 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	199007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	355982	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	323015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	137852	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	155362	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	4.89	113	117043	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
50) Toluene-d8	7.57	98	459230	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
62) 4-Bromofluorobenzene	10.31	95	157500	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	

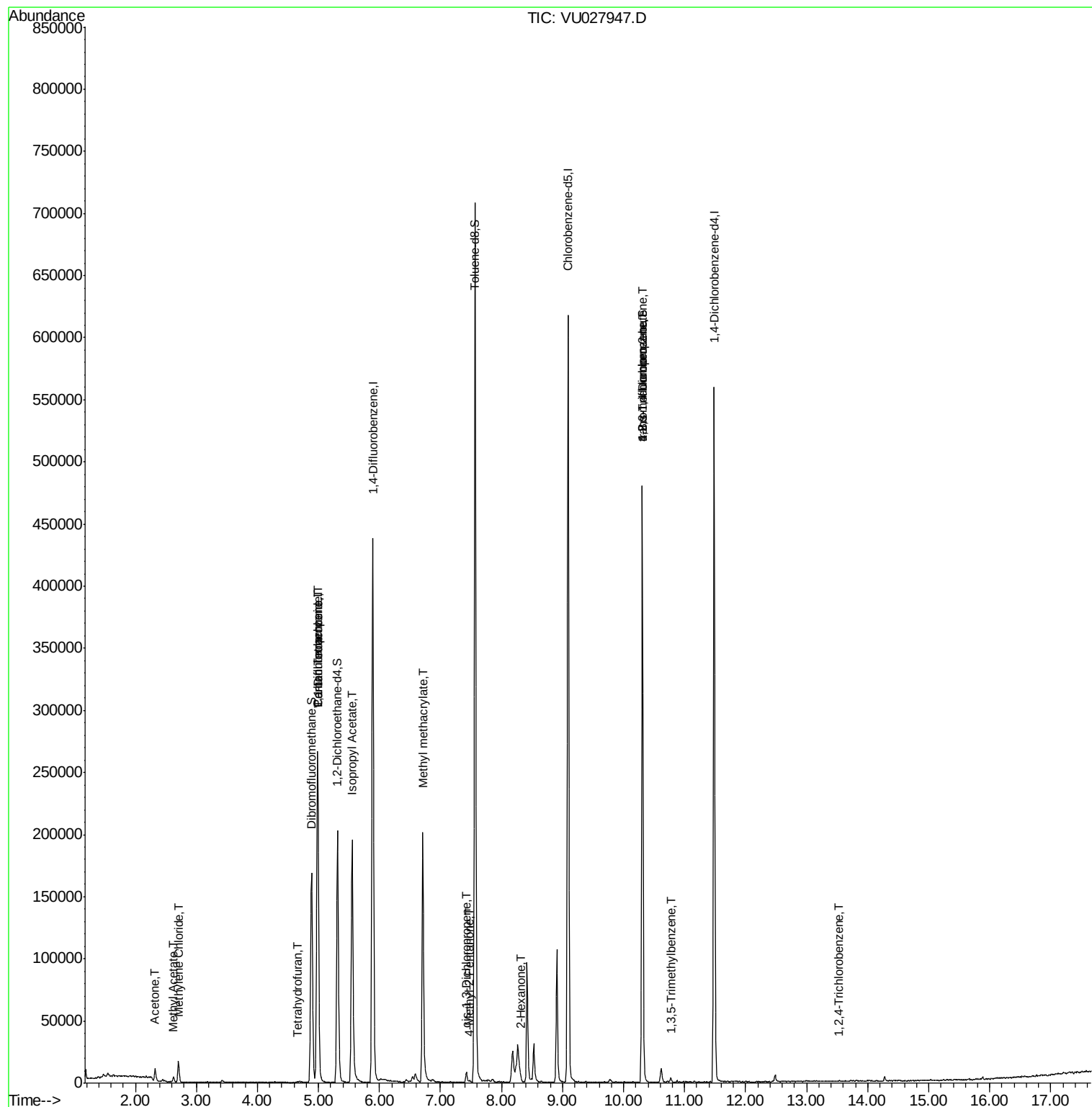
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.23	56	40	Below Cal	#	1
16) Acetone	2.32	43	9961	5.426	ug/l	95
18) Methyl Acetate	2.62	43	4864	0.963	ug/l	99
20) Methylene Chloride	2.70	84	6648	2.480	ug/l	97
29) Tetrahydrofuran	4.66	42	505	0.259	ug/l #	57
31) Cyclohexane	4.99	56	4608	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	17498	4.693	ug/l #	49
38) Carbon Tetrachloride	4.99	117	20021	6.059	ug/l #	16
43) Isopropyl Acetate	5.55	43	235287	27.491	ug/l	100
48) Methyl methacrylate	6.71	41	18272	4.357	ug/l #	47
51) 4-Methyl-2-Pentanone	7.47	43	1235	0.216	ug/l #	70
54) cis-1,3-Dichloropropene	7.42	75	1519	0.338	ug/l #	51
59) 2-Hexanone	8.32	43	2398	0.542	ug/l #	26
76) 1,2,3-Trichloropropane	10.31	75	82121	21.779	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	2049	0.232	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.31	75	82121	54.355	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	131	0.725	ug/l #	35
95) Naphthalene	13.77	128	353	Below Cal	#	69

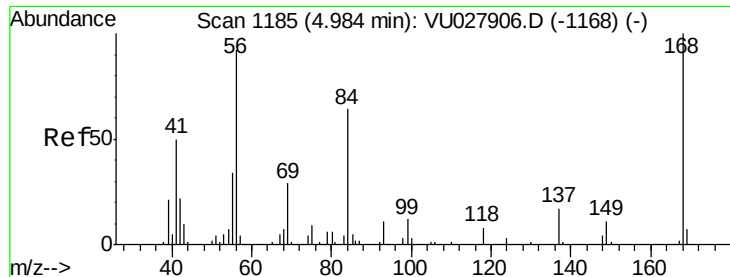
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 02 02:28:20 2018
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: VU027947.D

Acq: 05 Nov 2018 11:17

Instrument :

MSVOA_U

ClientSampleId :

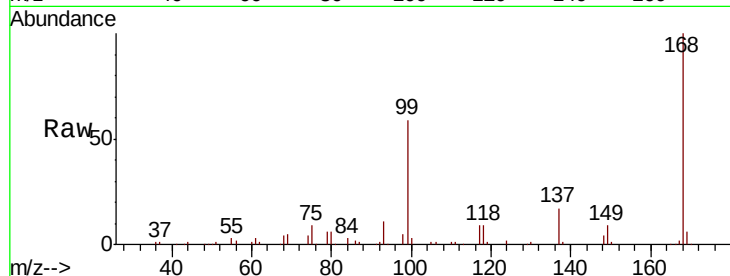
PB114473ZHE#02

Tot Ion:168 Resp: 199007

Ion Ratio Lower Upper

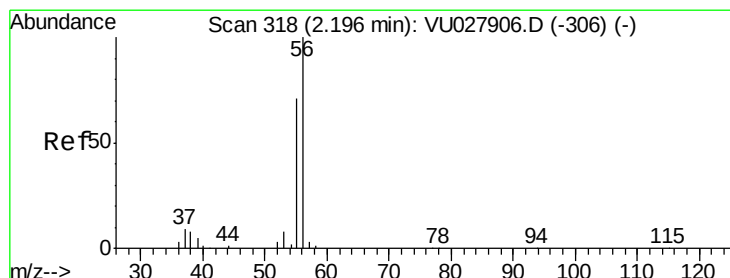
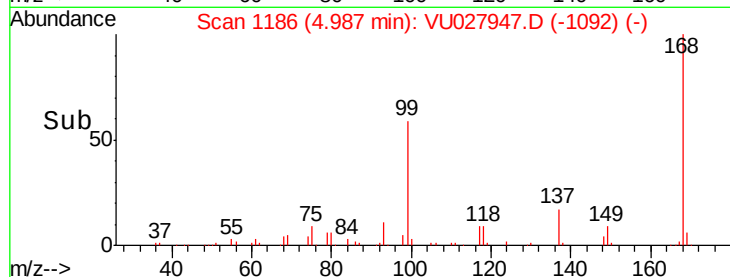
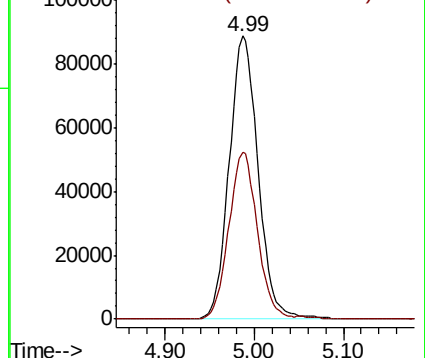
168 100

99 59.0 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU027947.D (-1092) (-)



#13

Acrolein

Concen: Below Cal

RT: 2.23 min Scan# 330

Delta R.T. 0.04 min

Lab File: VU027947.D

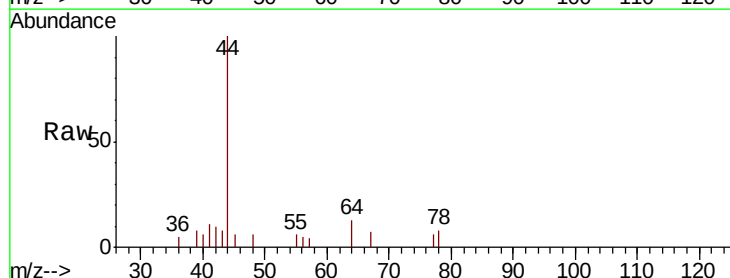
Acq: 05 Nov 2018 11:17

Tgt Ion: 56 Resp: 40

Ion Ratio Lower Upper

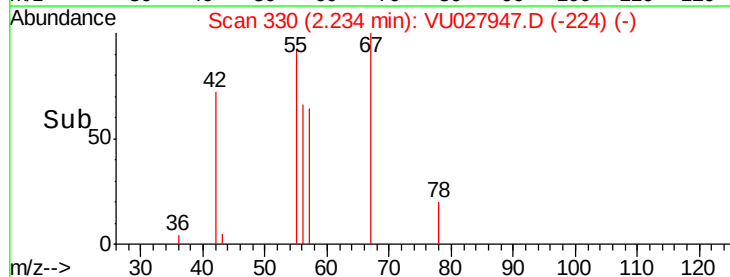
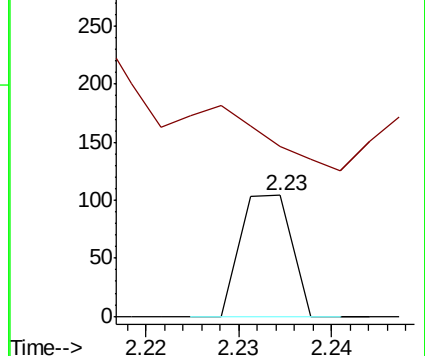
56 100

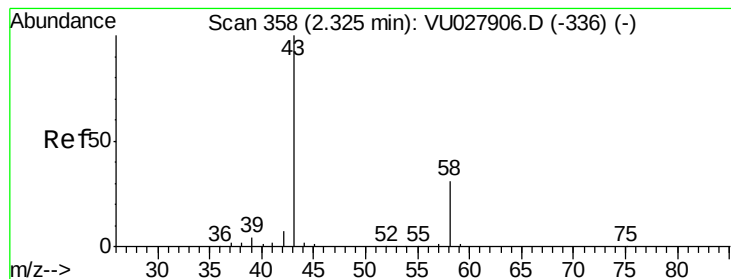
55 290.0 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027947.D (-224) (-)





#16

Acetone

Concen: 5.426 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027947.D

Acq: 05 Nov 2018 11:17

Instrument :

MSVOA_U

ClientSampleId :

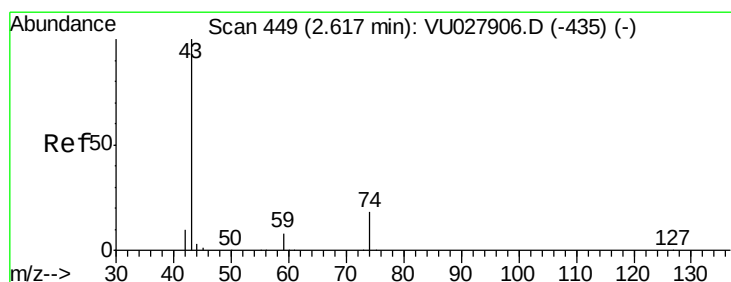
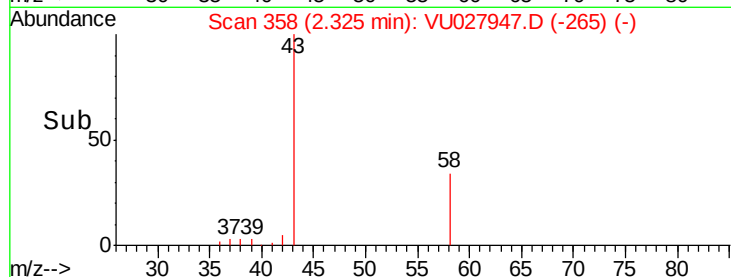
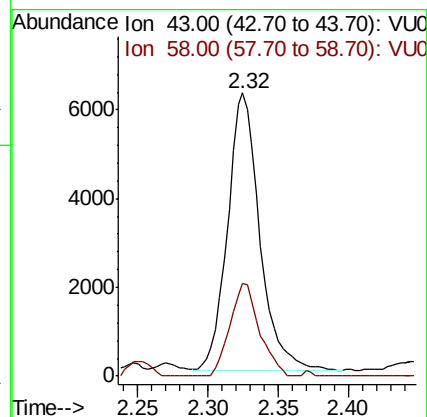
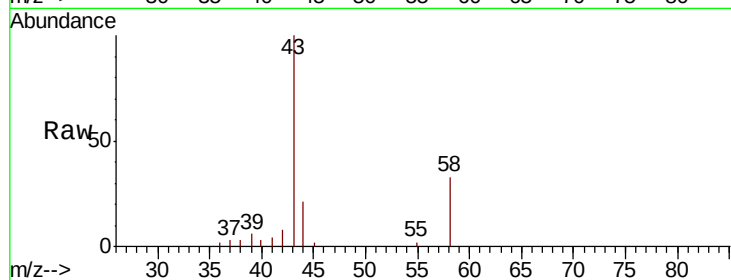
PB114473ZHE#02

Tot Ion: 43 Resp: 9961

Ion Ratio Lower Upper

43 100

58 33.5 24.6 37.0



#18

Methyl Acetate

Concen: 0.963 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU027947.D

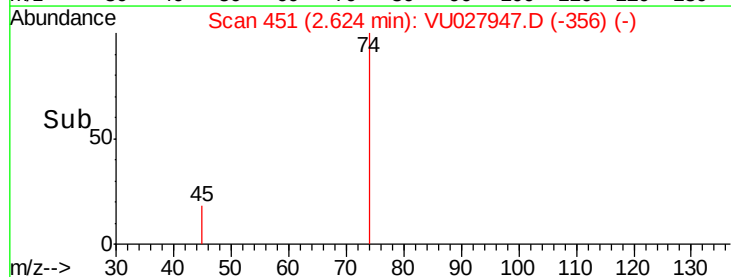
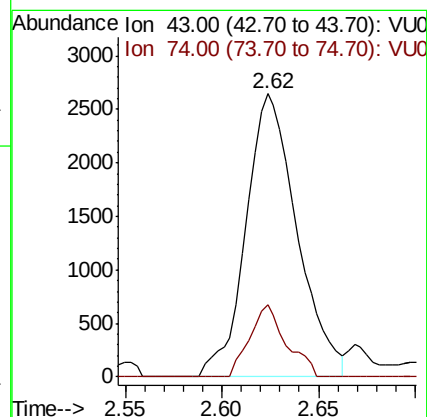
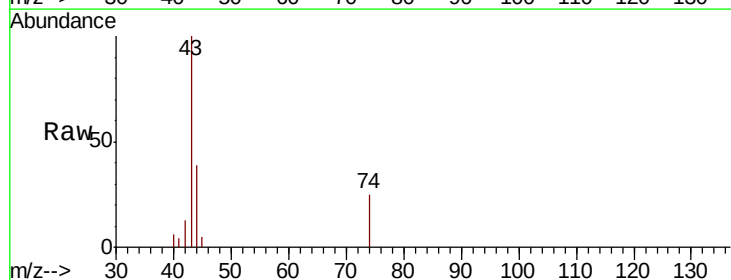
Acq: 05 Nov 2018 11:17

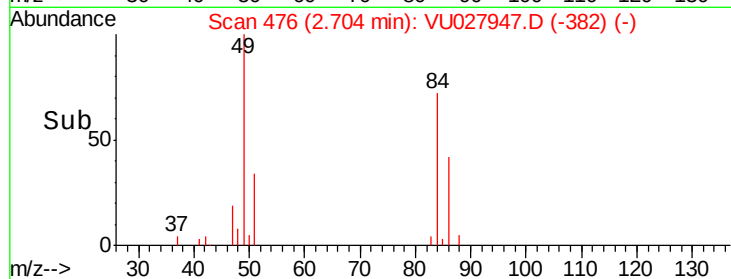
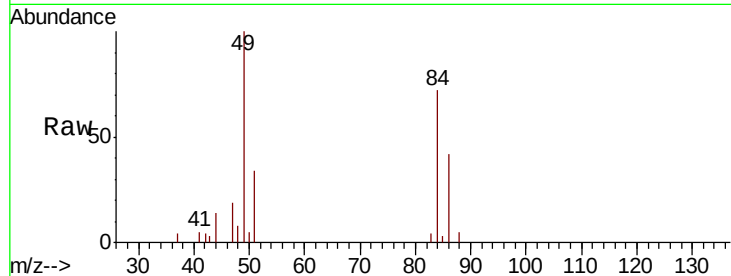
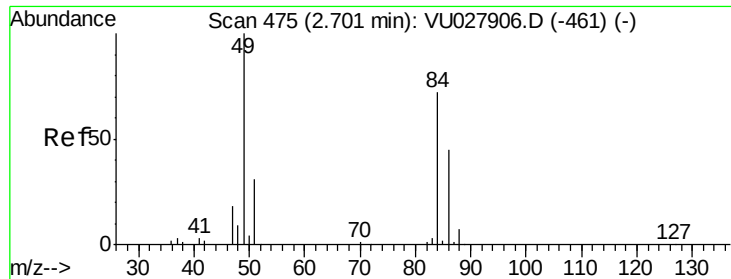
Tgt Ion: 43 Resp: 4864

Ion Ratio Lower Upper

43 100

74 18.1 14.9 22.3

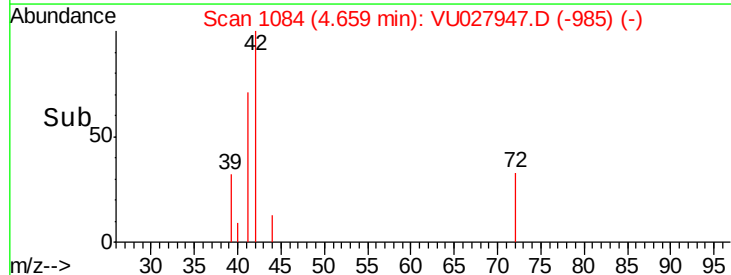
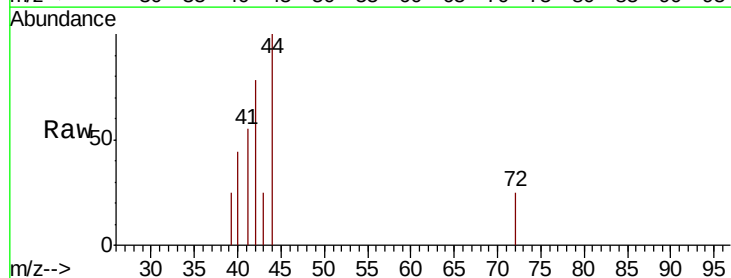
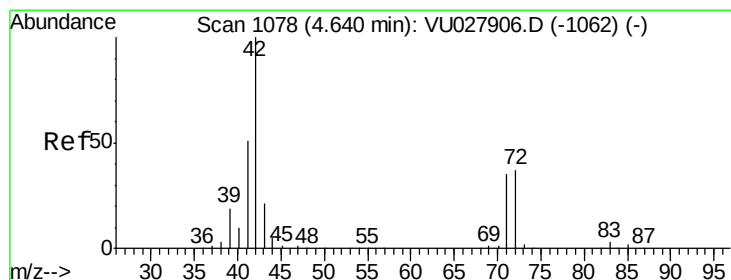
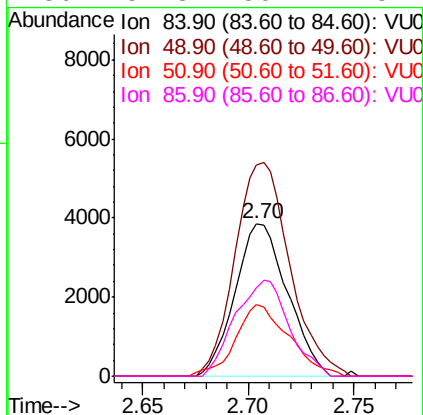




#20
Methylene Chloride
Concen: 2.480 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027947.D
Acq: 05 Nov 2018 11:17

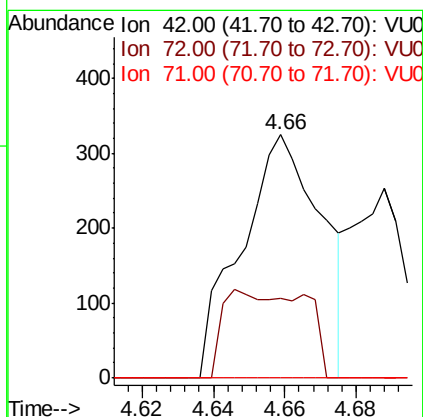
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#02

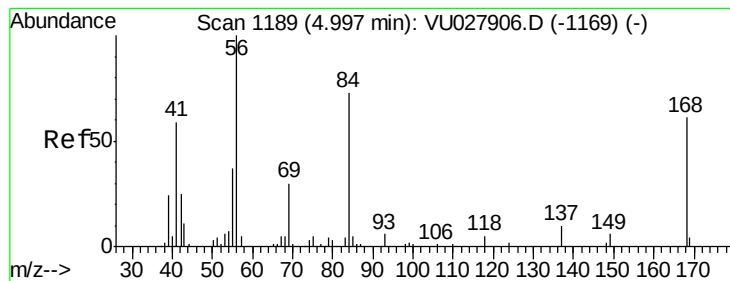
Tot Ion:	84	Resp:	6648
Ion	Ratio	Lower	Upper
84	100		
49	138.0	111.6	167.4
51	46.6	34.8	52.2
86	57.8	50.1	75.1



#29
Tetrahydrofuran
Concen: 0.259 ug/l
RT: 4.66 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VU027947.D
Acq: 05 Nov 2018 11:17

Tgt Ion:	42	Resp:	505
Ion	Ratio	Lower	Upper
42	100		
72	20.6	29.4	44.0#
71	0.0	27.9	41.9#





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU027947.D

Acq: 05 Nov 2018 11:17

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#02

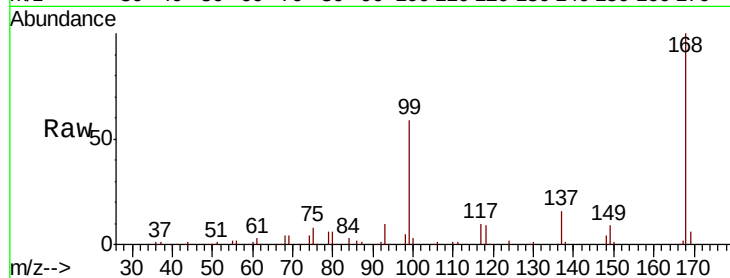
Tot Ion: 56 Resp: 4608

Ion Ratio Lower Upper

56 100

69 191.0 23.7 35.5#

84 137.9 58.2 87.4#

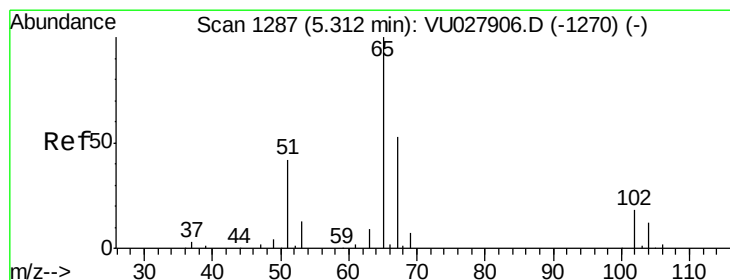
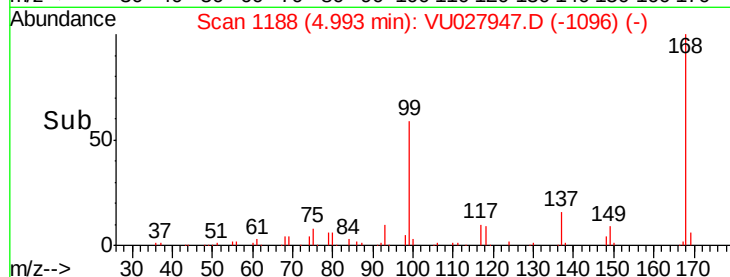
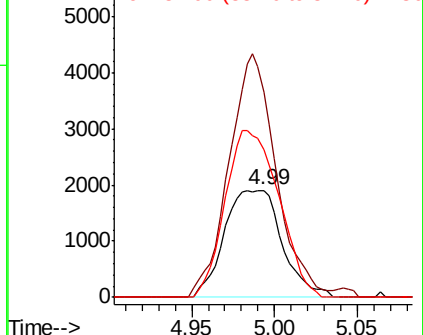


Abundance

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: 52.510 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU027947.D

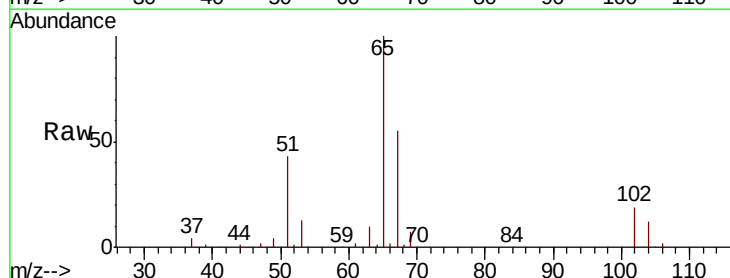
Acq: 05 Nov 2018 11:17

Tgt Ion: 65 Resp: 155362

Ion Ratio Lower Upper

65 100

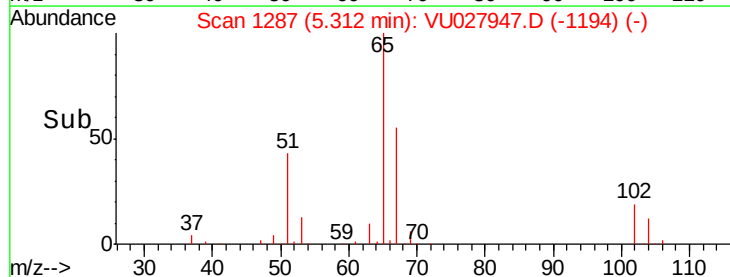
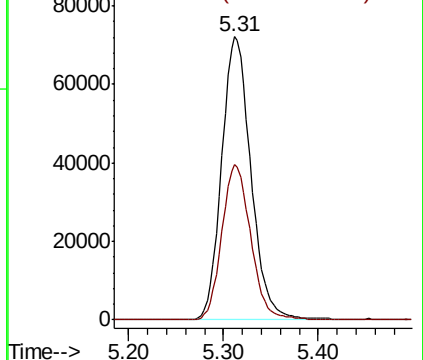
67 54.0 0.0 109.0

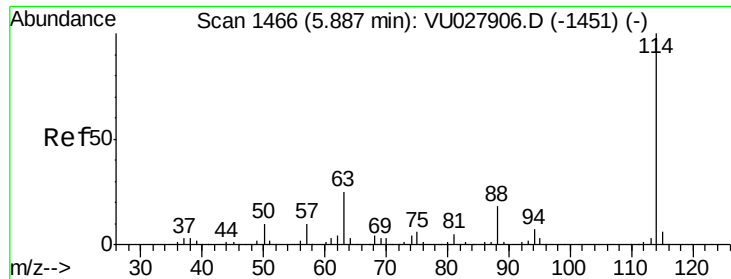


Abundance

Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

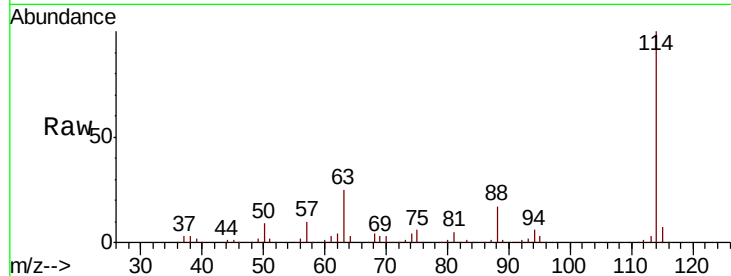




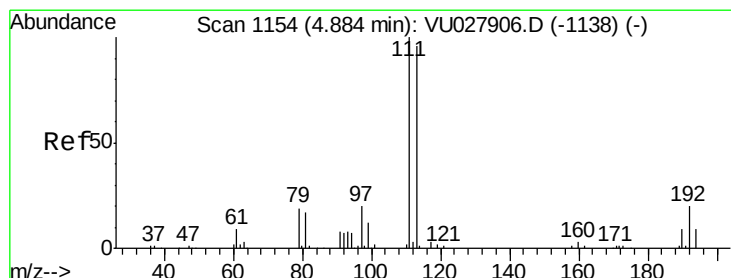
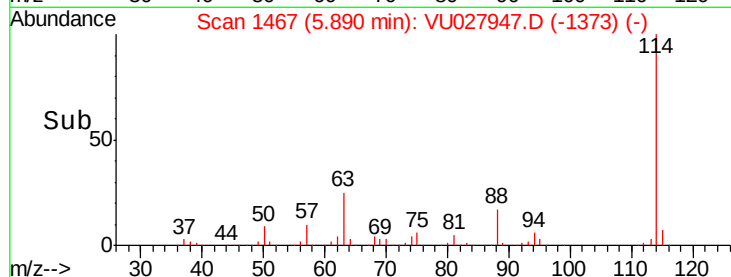
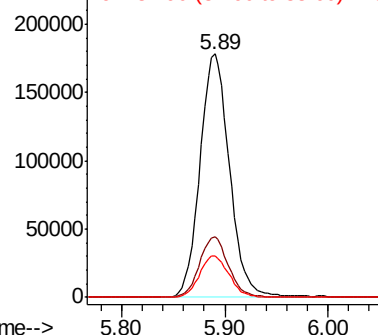
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VU027947.D
Acq: 05 Nov 2018 11:17

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#02

Tot Ion:114 Resp: 355982
Ion Ratio Lower Upper
114 100
63 25.0 0.0 50.8
88 17.0 0.0 35.8

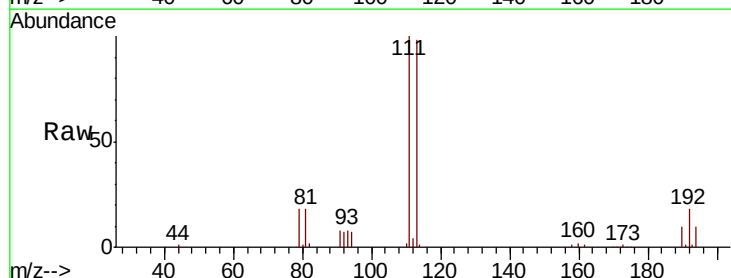


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

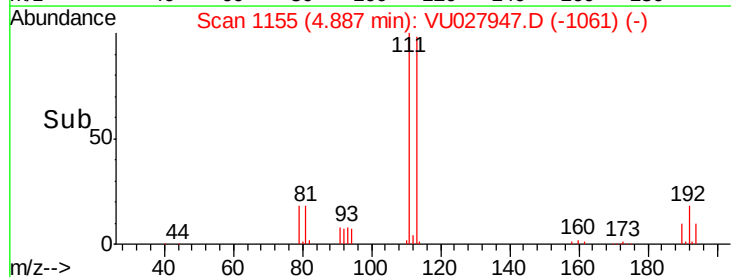
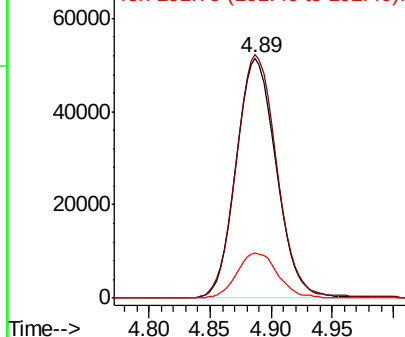


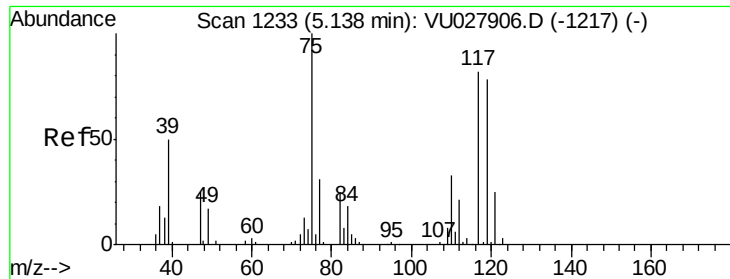
#35
Dibromofluoromethane
Concen: 52.146 ug/l
RT: 4.89 min Scan# 1155
Delta R.T. 0.00 min
Lab File: VU027947.D
Acq: 05 Nov 2018 11:17

Tgt Ion:113 Resp: 117043
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.6
192 19.2 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: 4.693 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027947.D

Acq: 05 Nov 2018 11:17

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#02

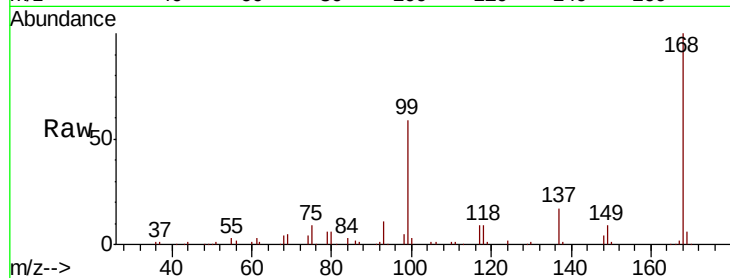
Tot Ion: 75 Resp: 17498

Ion Ratio Lower Upper

75 100

110 7.6 16.5 49.5#

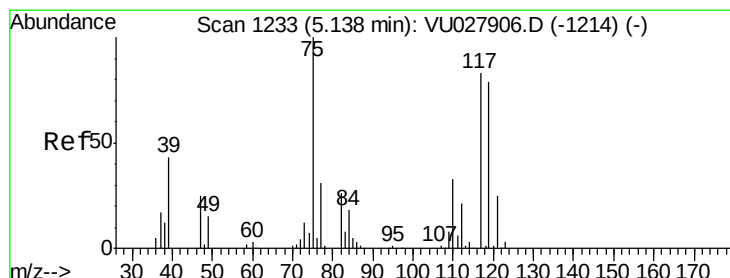
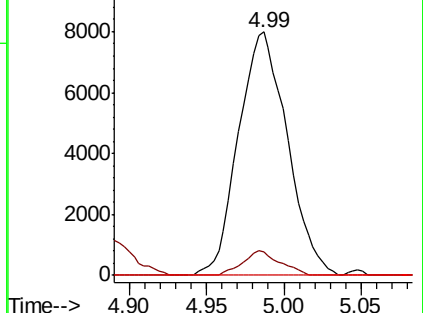
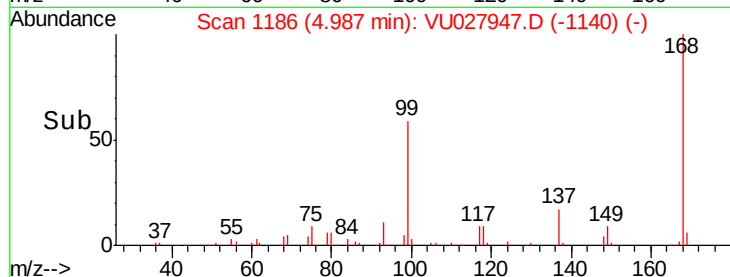
77 0.0 24.9 37.3#



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: 6.059 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. -0.15 min

Lab File: VU027947.D

Acq: 05 Nov 2018 11:17

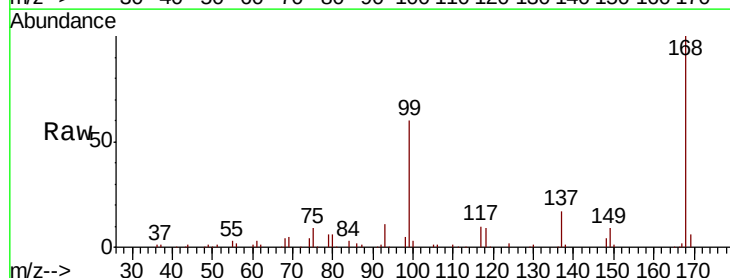
Tgt Ion: 117 Resp: 20021

Ion Ratio Lower Upper

117 100

119 4.9 76.0 114.0#

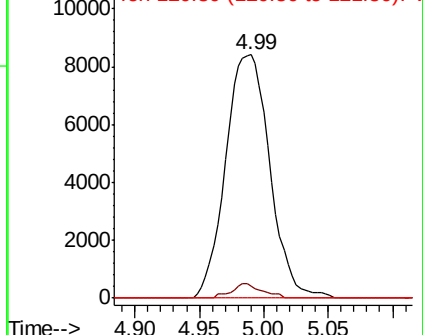
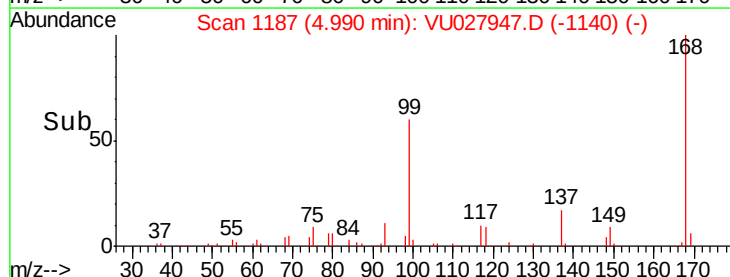
121 0.0 24.5 36.7#

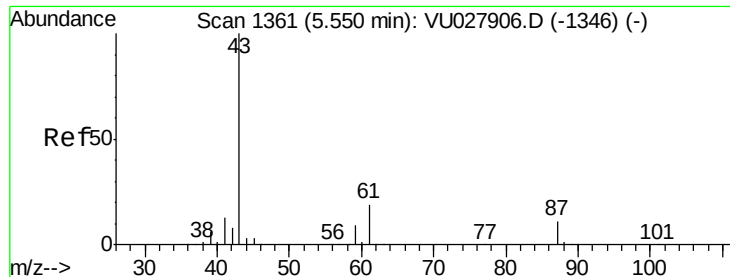


Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU027906.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU027906.D (-1214) (-)





#43

Isopropyl Acetate

Concen: 27.491 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027947.D

Acq: 05 Nov 2018 11:17

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#02

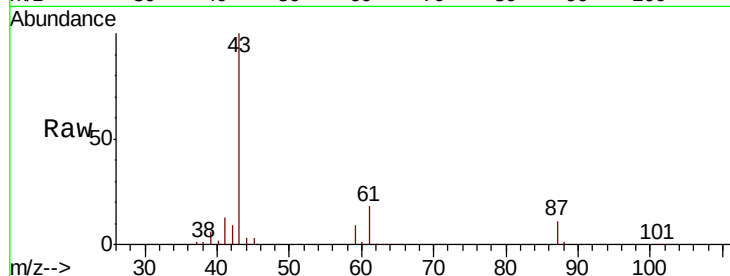
Tot Ion: 43 Resp: 235287

Ion Ratio Lower Upper

43 100

61 18.7 15.0 22.4

87 10.8 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) (-)

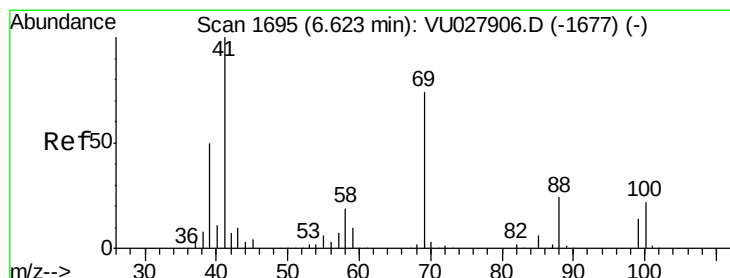
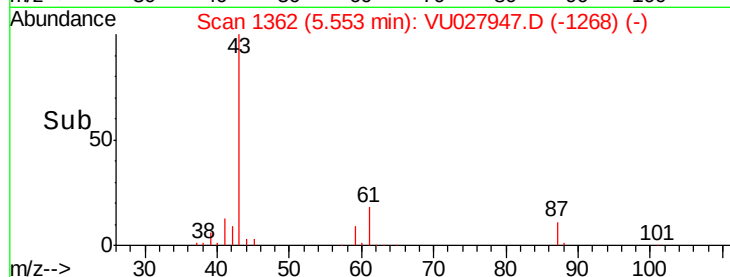
5.55

100000

50000

0

Time-->



#48

Methyl methacrylate

Concen: 4.357 ug/l

RT: 6.71 min Scan# 1722

Delta R.T. 0.09 min

Lab File: VU027947.D

Acq: 05 Nov 2018 11:17

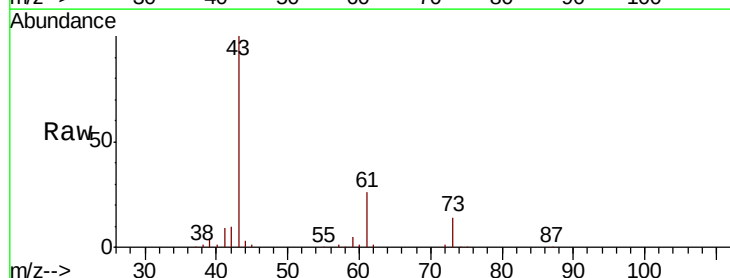
Tgt Ion: 41 Resp: 18272

Ion Ratio Lower Upper

41 100

69 0.0 59.8 89.8#

39 49.8 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

12000

10000

8000

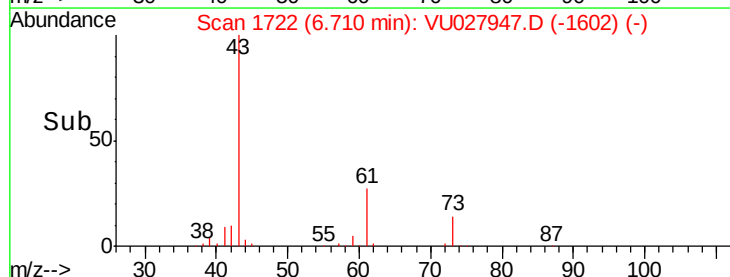
6000

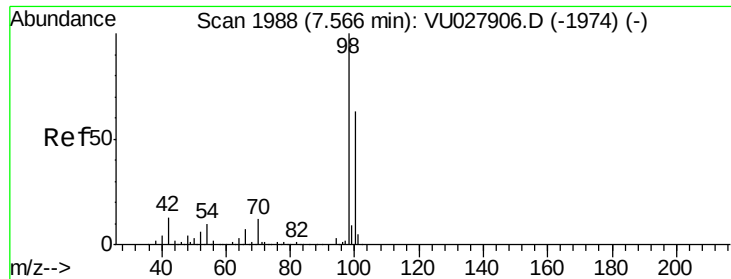
4000

2000

0

Time-->

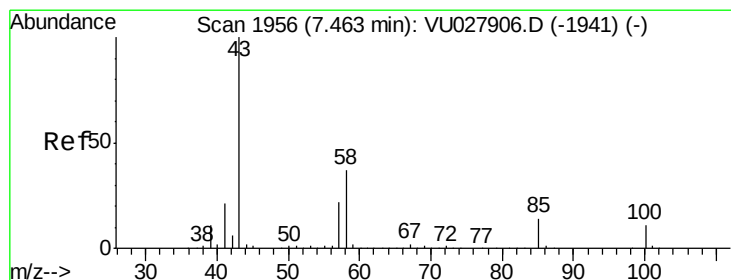
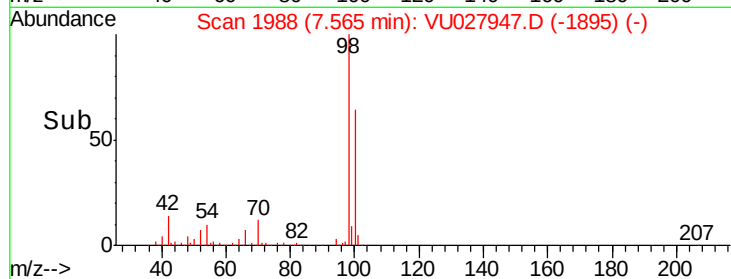
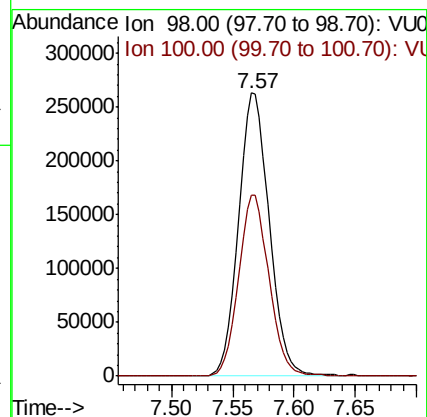
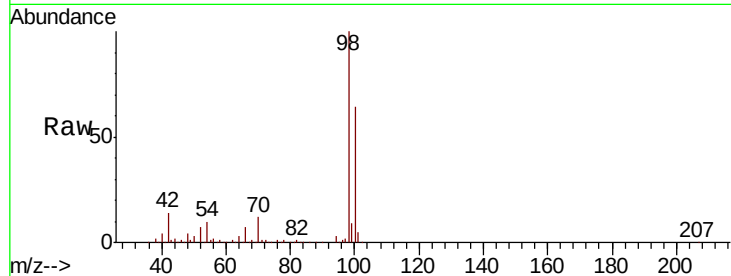




#50
Toluene-d8
Concen: 52.965 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027947.D
Acq: 05 Nov 2018 11:17

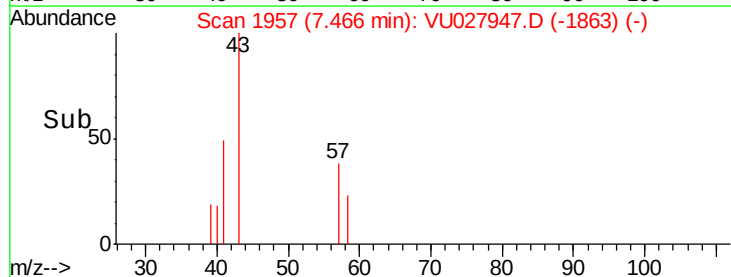
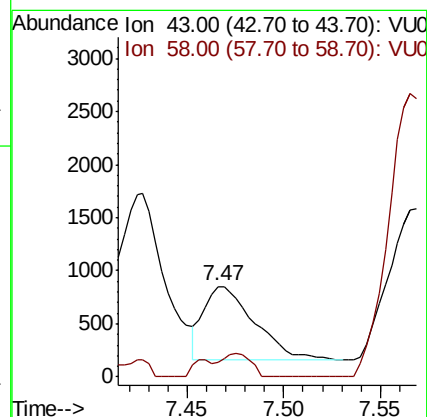
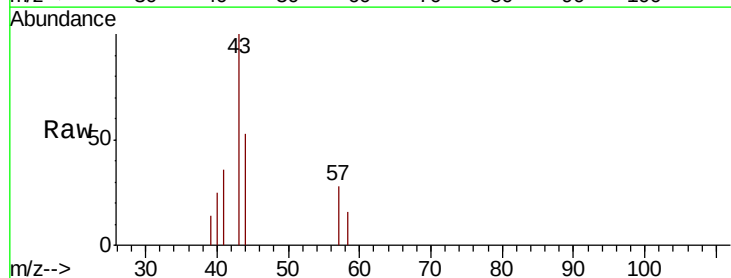
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#02

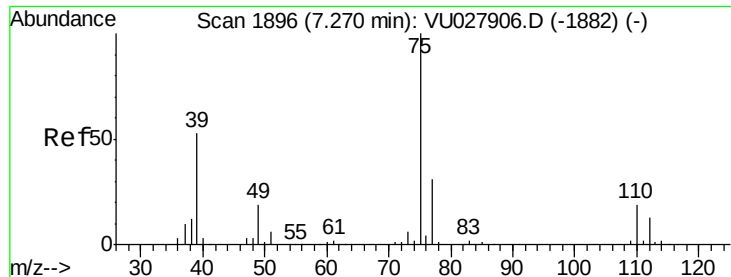
Tot Ion: 98 Resp: 459230
Ion Ratio Lower Upper
98 100
100 63.4 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 0.216 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU027947.D
Acq: 05 Nov 2018 11:17

Tgt Ion: 43 Resp: 1235
Ion Ratio Lower Upper
43 100
58 19.0 29.5 44.3#





#54

cis-1,3-Dichloropropene

Concen: 0.338 ug/l

RT: 7.42 min Scan# 1944

Delta R.T. 0.15 min

Lab File: VU027947.D

Acq: 05 Nov 2018 11:17

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#02

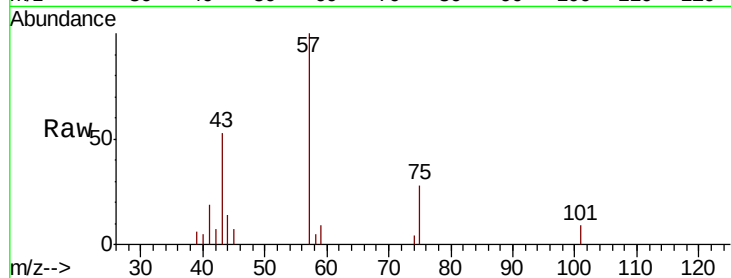
Tot Ion: 75 Resp: 1519

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

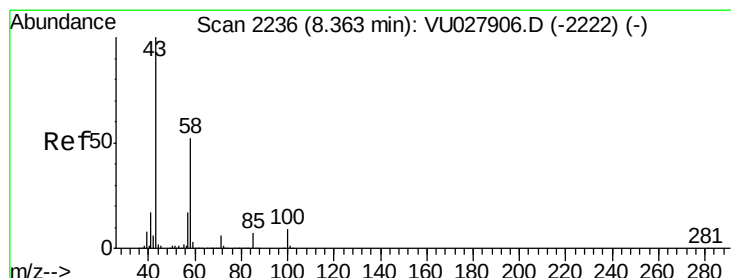
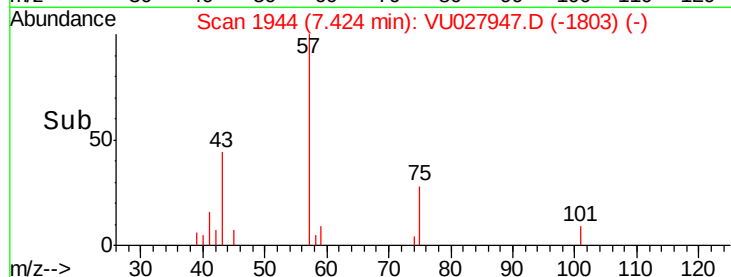
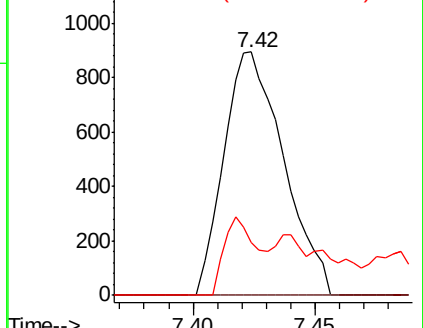
39 21.7 42.6 64.0#



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: 0.542 ug/l

RT: 8.32 min Scan# 2222

Delta R.T. -0.05 min

Lab File: VU027947.D

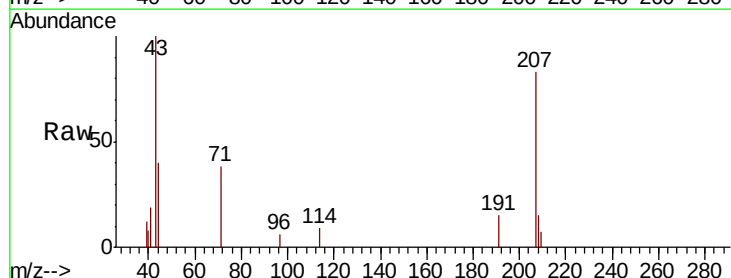
Acq: 05 Nov 2018 11:17

Tgt Ion: 43 Resp: 2398

Ion Ratio Lower Upper

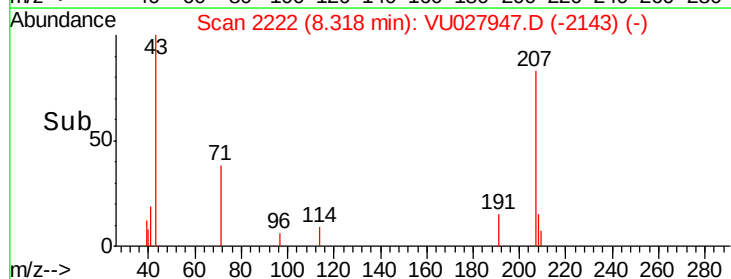
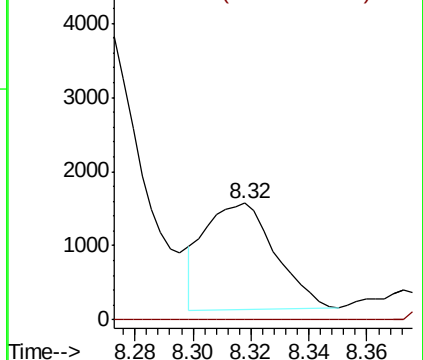
43 100

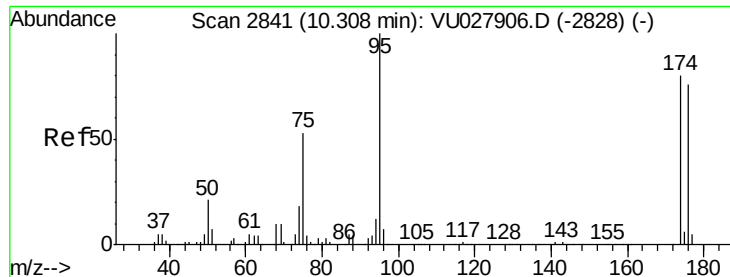
58 0.0 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

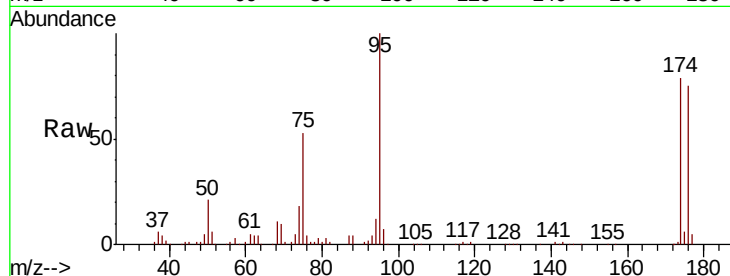




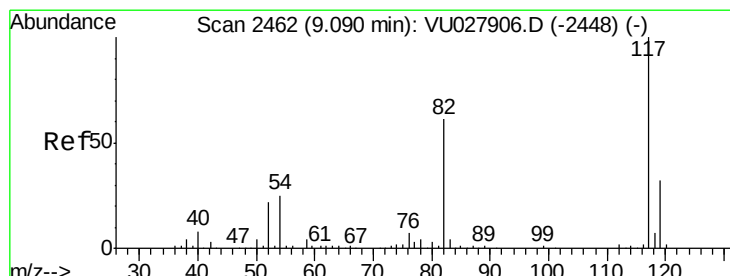
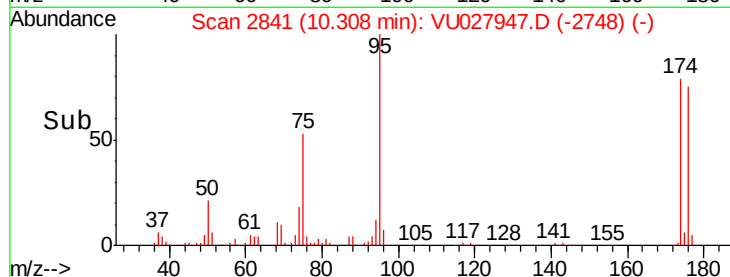
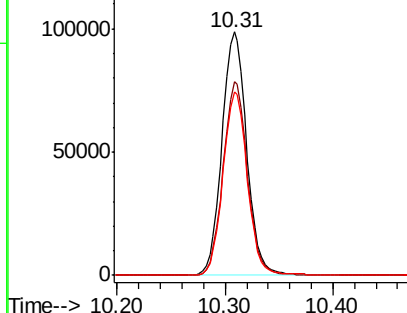
#62
 4-Bromofluorobenzene
 Concen: 49.249 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027947.D
 Acq: 05 Nov 2018 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#02

Tot Ion: 95 Resp: 157500
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 156.4
 176 74.4 0.0 150.8

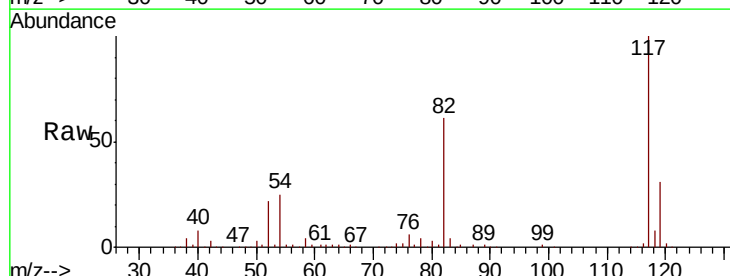


Abundance Ion 94.90 (94.60 to 95.60): VU027906.D (-2828) (-)
 Ion 173.80 (173.50 to 174.50): VU027906.D (-2828) (-)
 Ion 175.80 (175.50 to 176.50): VU027906.D (-2828) (-)

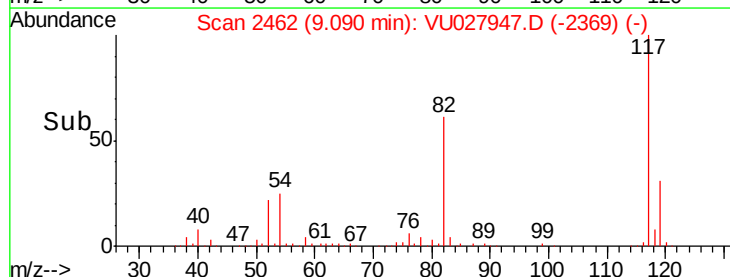
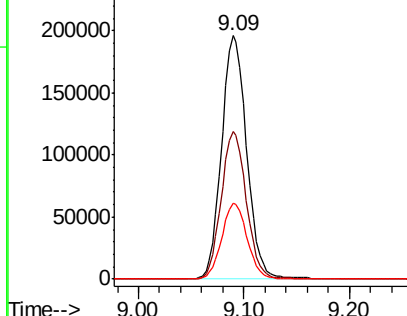


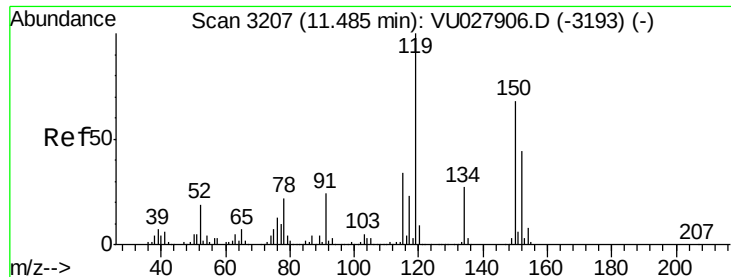
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU027947.D
 Acq: 05 Nov 2018 11:17

Tgt Ion: 117 Resp: 323015
 Ion Ratio Lower Upper
 117 100
 82 60.8 48.6 73.0
 119 31.1 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VU027906.D (-2448) (-)
 Ion 82.00 (81.70 to 82.70): VU027906.D (-2448) (-)
 Ion 118.90 (118.60 to 119.60): VU027906.D (-2448) (-)



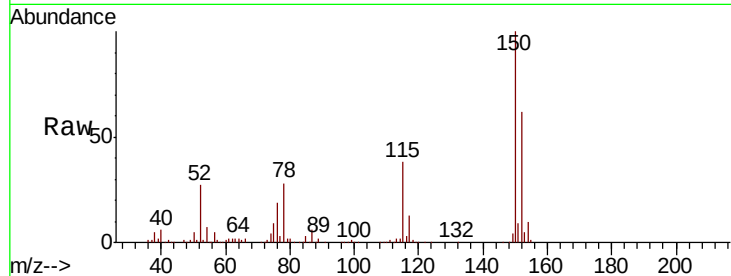


#72

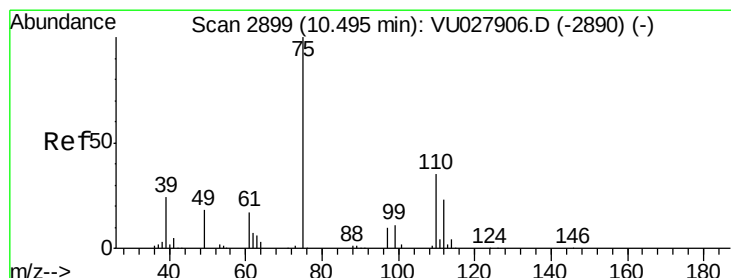
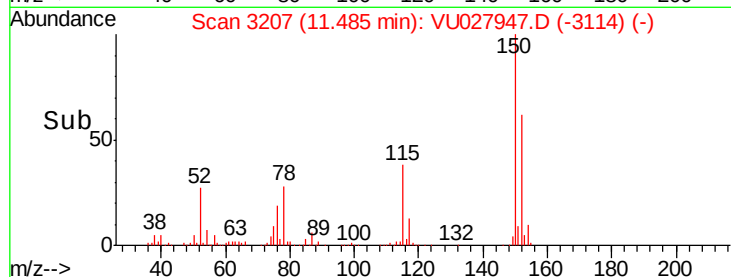
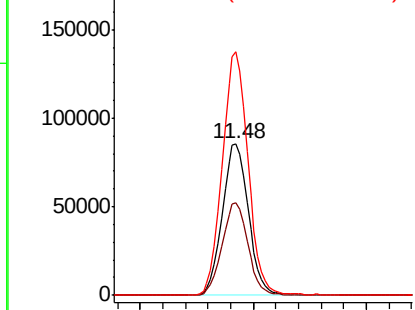
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027947.D
Acq: 05 Nov 2018 11:17

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#02

Tot Ion:152 Resp: 137852
Ion Ratio Lower Upper
152 100
115 60.3 43.0 129.0
150 157.5 0.0 349.4



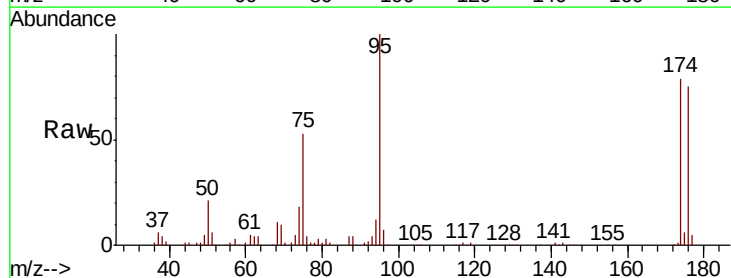
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



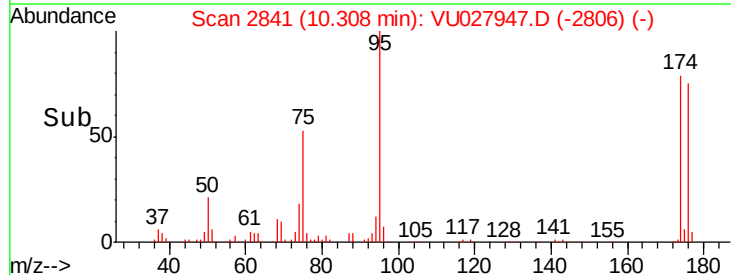
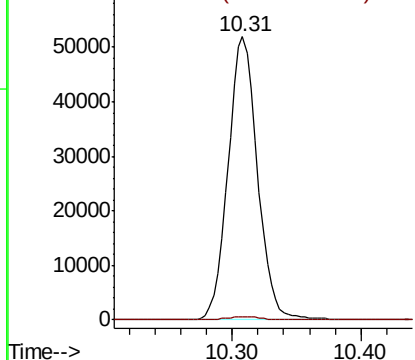
#76

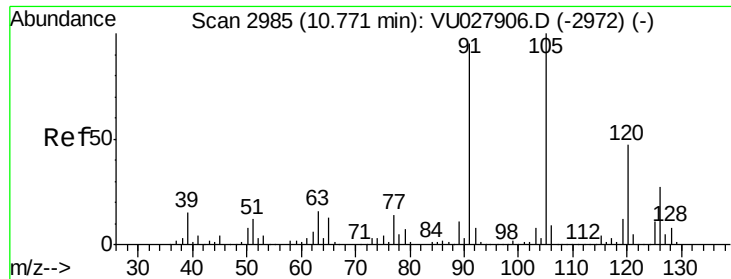
1,2,3-Trichloropropane
Concen: 21.779 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU027947.D
Acq: 05 Nov 2018 11:17

Tgt Ion: 75 Resp: 82121
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#80

1,3,5-Trimethylbenzene

Concen: 0.232 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027947.D

Acq: 05 Nov 2018 11:17

Instrument :

MSVOA_U

ClientSampleId :

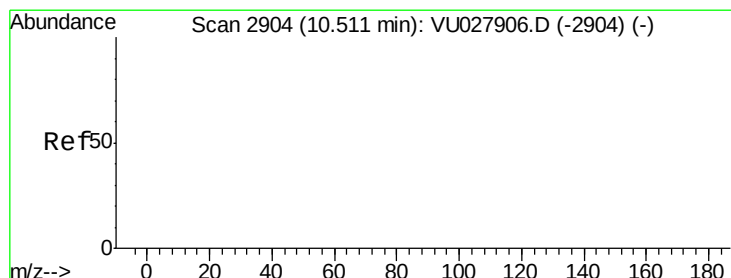
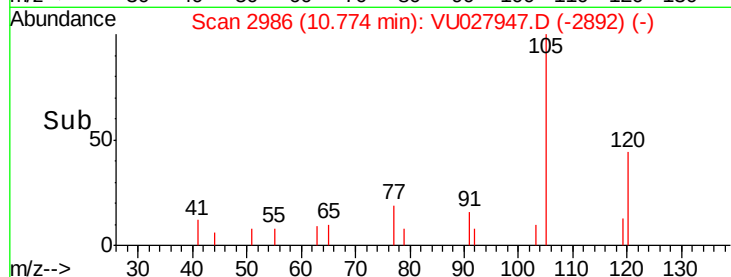
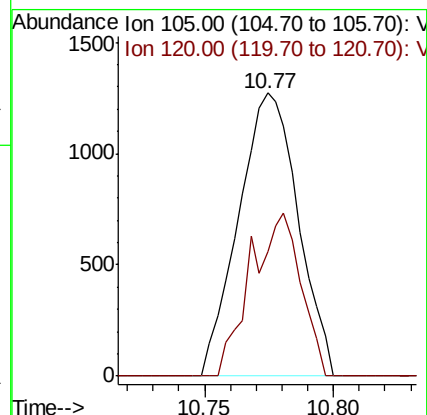
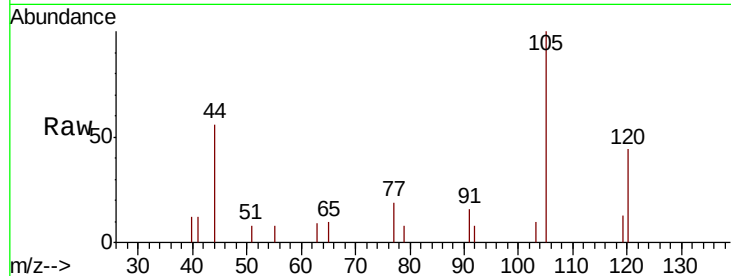
PB114473ZHE#02

Tot Ion:105 Resp: 2049

Ion Ratio Lower Upper

105 100

120 48.7 23.3 69.9



#81

trans-1,4-Dichloro-2-butene

Concen: 54.355 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027947.D

Acq: 05 Nov 2018 11:17

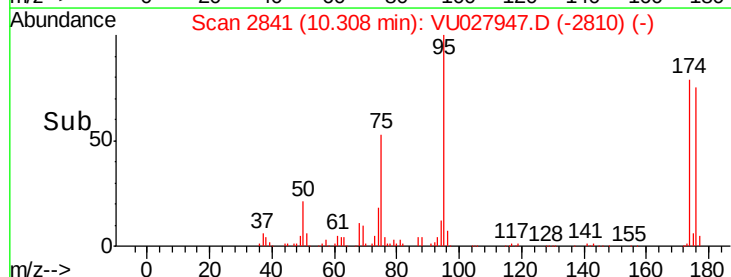
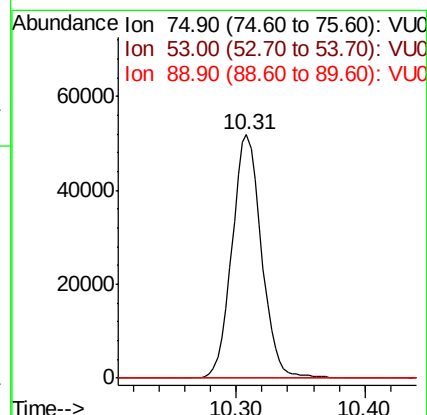
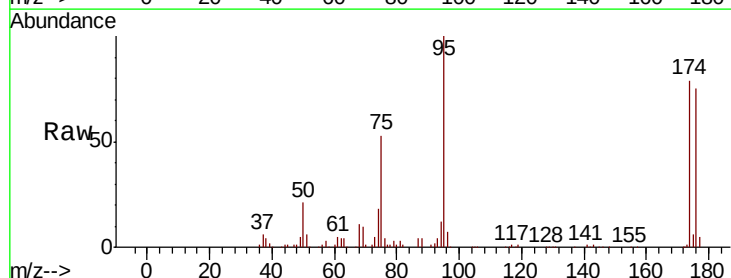
Tgt Ion: 75 Resp: 82121

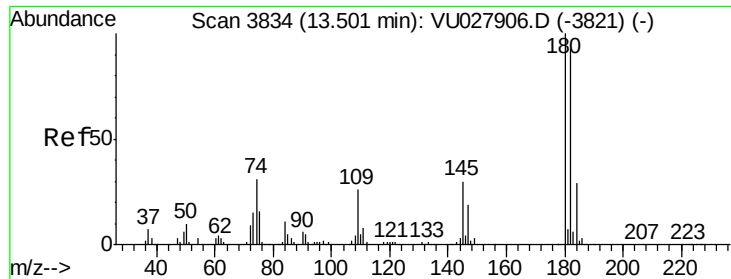
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#93

1,2,4-Trichlorobenzene

Concen: 0.725 ug/l

RT: 13.52 min Scan# 3840

Delta R.T. 0.02 min

Lab File: VU027947.D

Acq: 05 Nov 2018 11:17

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#02

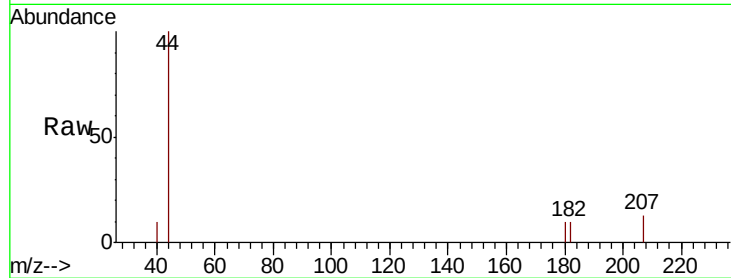
Tot Ion:180 Resp: 131

Ion Ratio Lower Upper

180 100

182 163.4 48.4 145.2#

145 0.0 14.9 44.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

