

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027963.D
 Acq On : 05 Nov 2018 17:28
 Operator : MD/SY
 Sample : PB114473ZHE#18
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#18

Quant Time: Nov 06 03:25:50 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	193461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	356231	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	328096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	141635	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	158367	55.06	ug/l	0.00
Spiked Amount			Recovery	=	110.12%	
35) Dibromofluoromethane	4.89	113	118742	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
50) Toluene-d8	7.57	98	464154	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
62) 4-Bromofluorobenzene	10.31	95	161449	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	

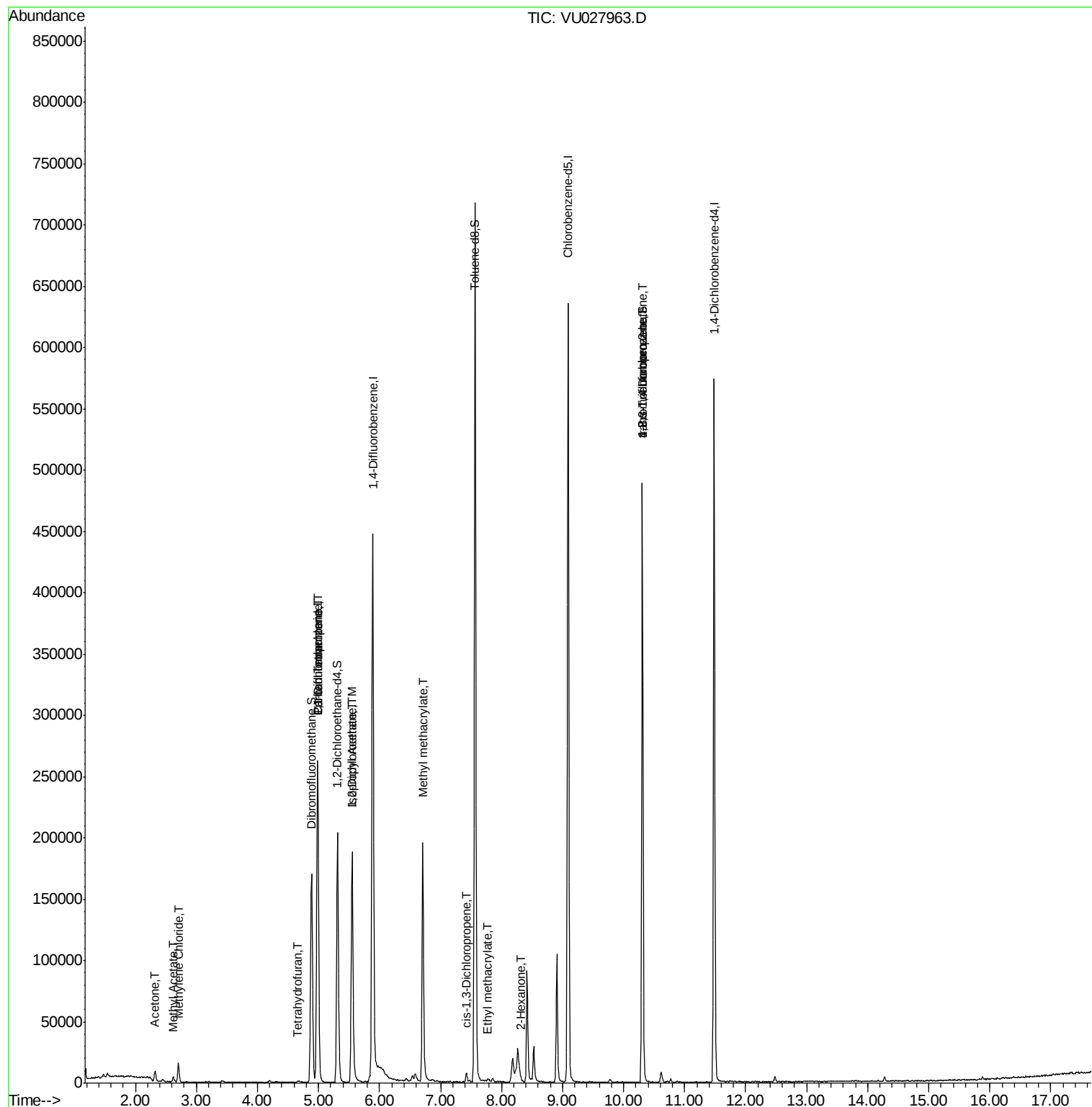
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.21	56	66	Below Cal	#	60
16) Acetone	2.32	43	9292	5.207	ug/l	97
18) Methyl Acetate	2.62	43	5336	1.087	ug/l	94
20) Methylene Chloride	2.71	84	6034	2.316	ug/l #	83
29) Tetrahydrofuran	4.66	42	542	0.286	ug/l #	63
31) Cyclohexane	4.99	56	4640	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16878	4.524	ug/l #	50
38) Carbon Tetrachloride	4.99	117	20135	6.090	ug/l #	16
42) 1,2-Dichloroethane	5.55	62	935	0.231	ug/l #	76
43) Isopropyl Acetate	5.55	43	224538	26.217	ug/l	99
48) Methyl methacrylate	6.71	41	18067	4.305	ug/l #	45
54) cis-1,3-Dichloropropene	7.42	75	1417	0.315	ug/l #	53
56) Ethyl methacrylate	7.78	69	1170	0.243	ug/l	88
59) 2-Hexanone	8.32	43	2368	0.535	ug/l #	26
76) 1,2,3-Trichloropropane	10.31	75	84523	21.817	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	84523	54.450	ug/l #	100
95) Naphthalene	13.86	128	20	Below Cal	#	69

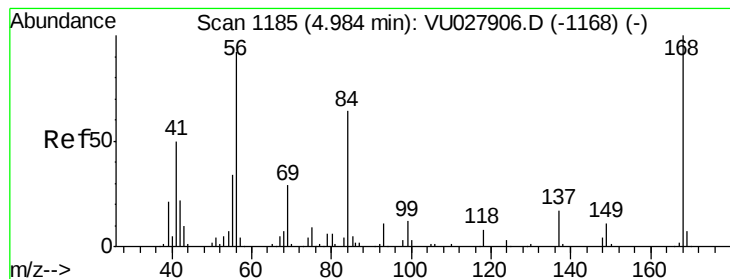
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110518\
Data File : VU027963.D
Acq On : 05 Nov 2018 17:28
Operator : MD/SY
Sample : PB114473ZHE#18
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#18

Quant Time: Nov 06 03:25:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
Quant Title : SW846 8260
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: VU027963.D

Acq: 05 Nov 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

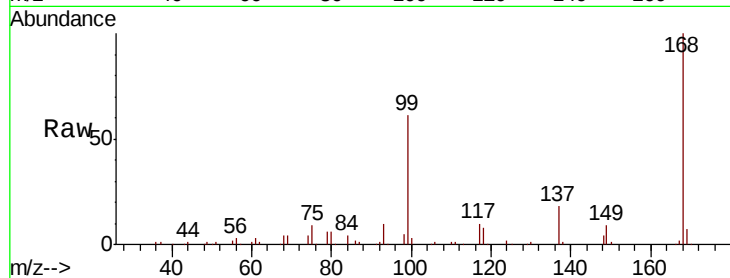
PB114473ZHE#18

Tot Ion:168 Resp: 193461

Ion Ratio Lower Upper

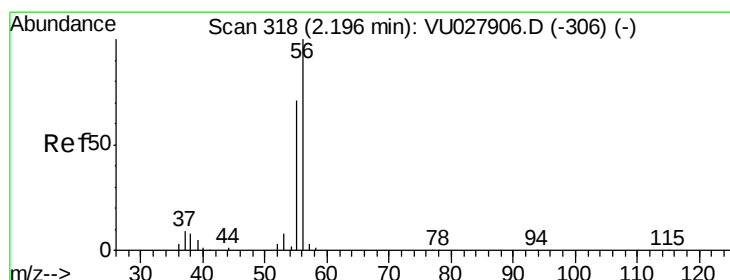
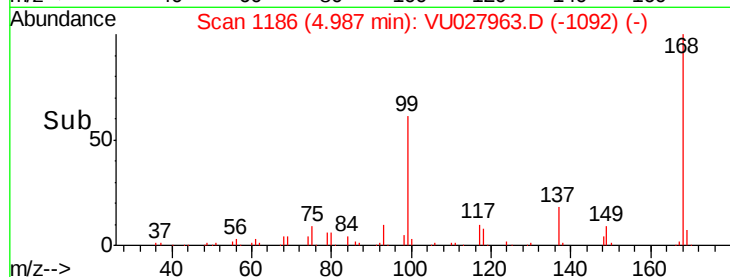
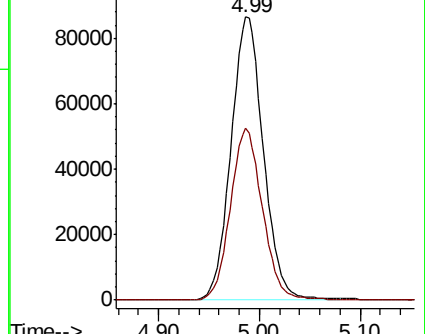
168 100

99 60.6 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU027963.D (-1092) (-)



#13

Acrolein

Concen: Below Cal

RT: 2.21 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU027963.D

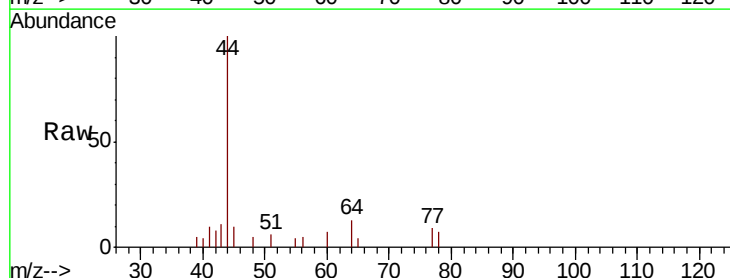
Acq: 05 Nov 2018 17:28

Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

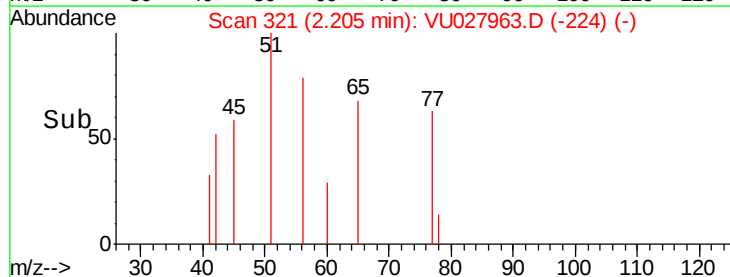
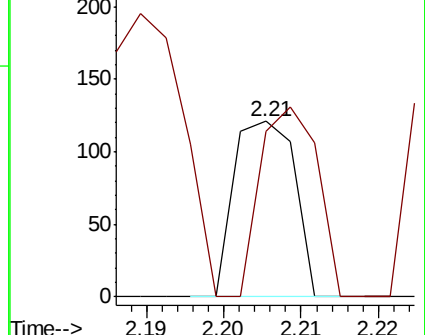
56 100

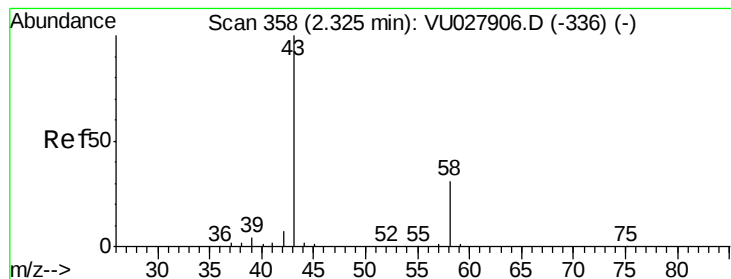
55 103.0 56.2 84.4#



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

Ion 55.00 (54.70 to 55.70): VU027963.D (-224) (-)





#16

Acetone

Concen: 5.207 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027963.D

Acq: 05 Nov 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

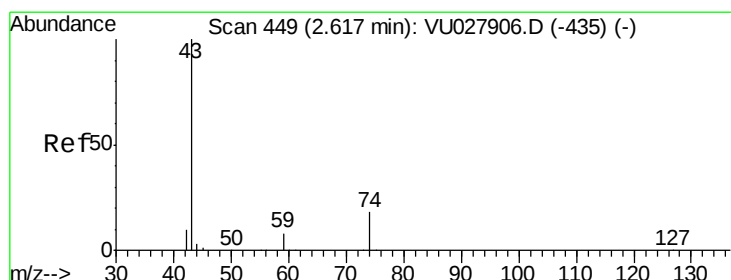
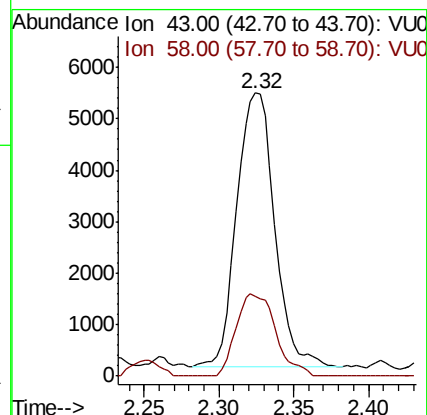
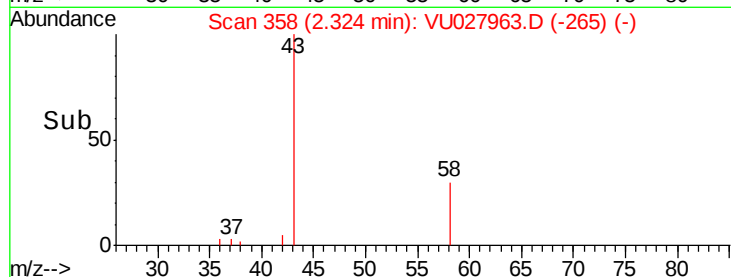
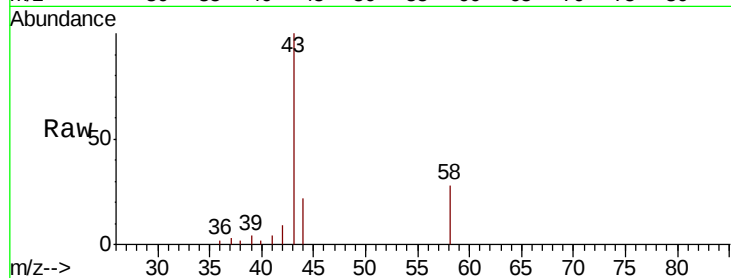
PB114473ZHE#18

Tot Ion: 43 Resp: 9292

Ion Ratio Lower Upper

43 100

58 29.2 24.6 37.0



#18

Methyl Acetate

Concen: 1.087 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027963.D

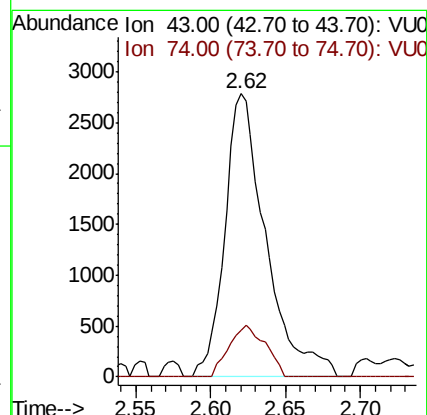
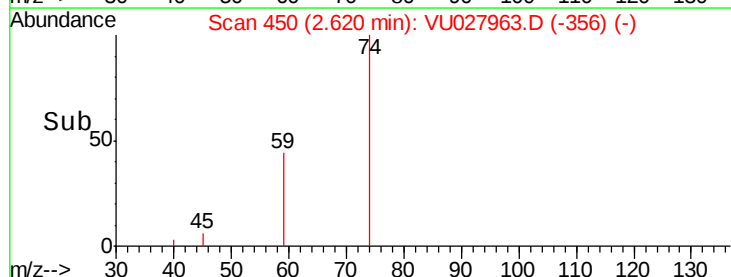
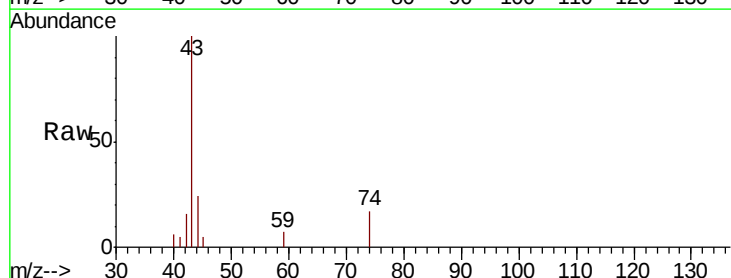
Acq: 05 Nov 2018 17:28

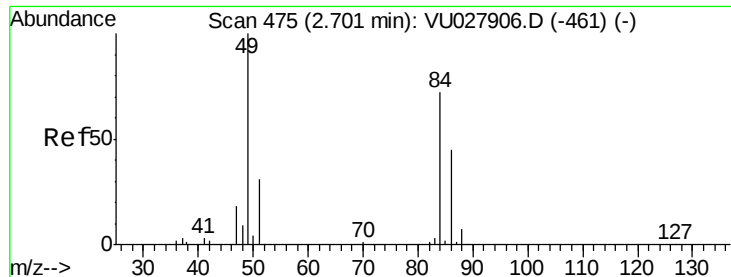
Tgt Ion: 43 Resp: 5336

Ion Ratio Lower Upper

43 100

74 16.1 14.9 22.3

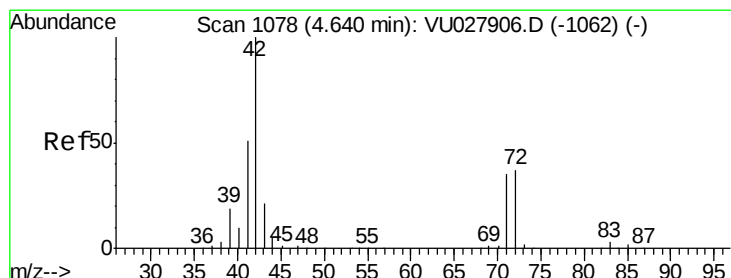
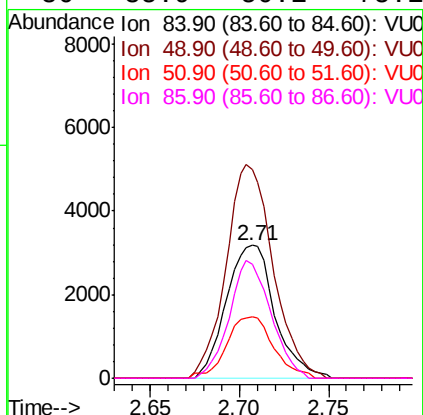
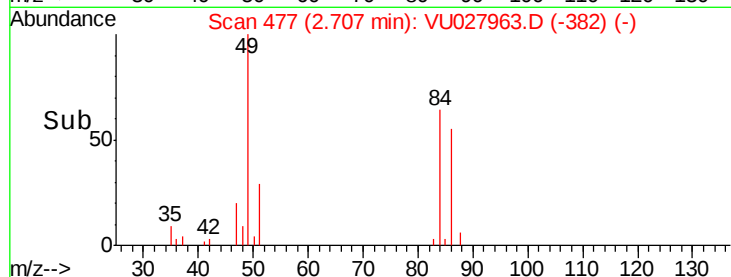
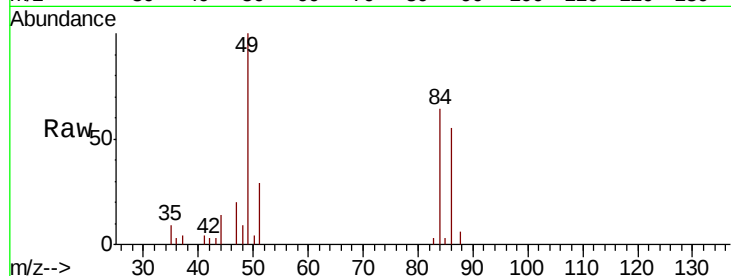




#20
Methvlene Chloride
Concen: 2.316 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.01 min
Lab File: VU027963.D
Acq: 05 Nov 2018 17:28

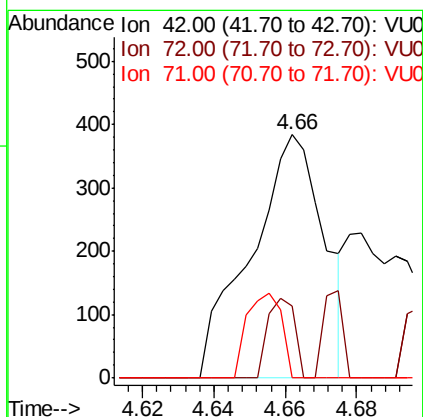
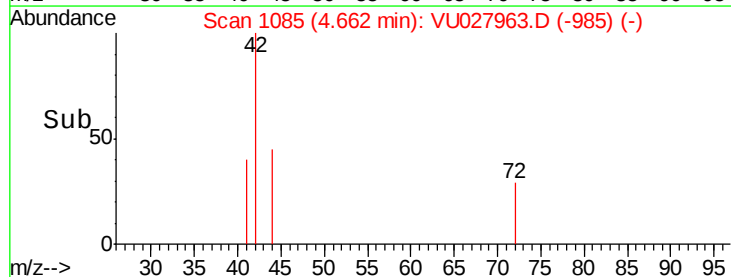
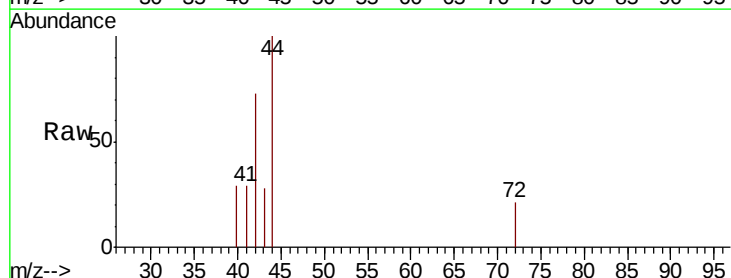
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#18

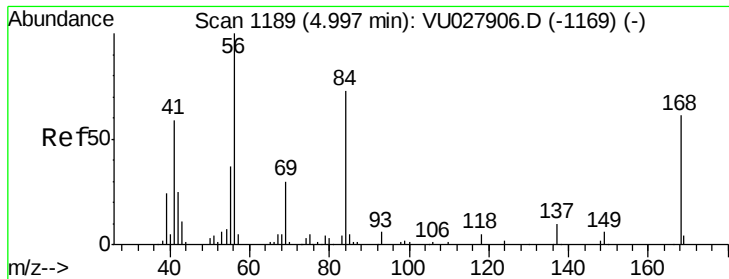
Tot Ion: 84 Resp: 6034
Ion Ratio Lower Upper
84 100
49 157.4 111.6 167.4
51 46.1 34.8 52.2
86 85.9 50.1 75.1#



#29
Tetrahydrofuran
Concen: 0.286 ug/l
RT: 4.66 min Scan# 1085
Delta R.T. 0.02 min
Lab File: VU027963.D
Acq: 05 Nov 2018 17:28

Tgt Ion: 42 Resp: 542
Ion Ratio Lower Upper
42 100
72 12.2 29.4 44.0#
71 16.4 27.9 41.9#

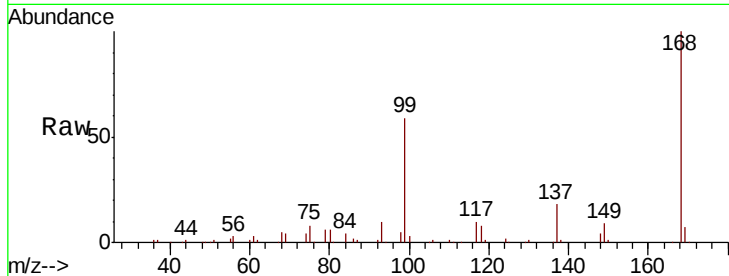




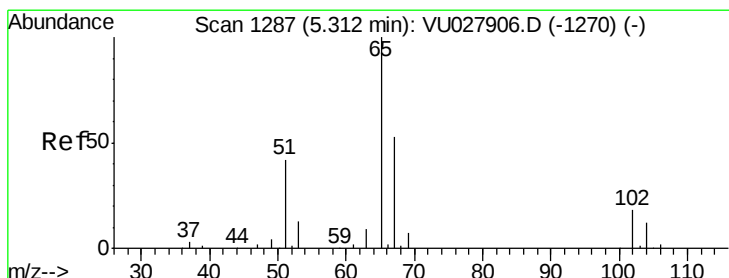
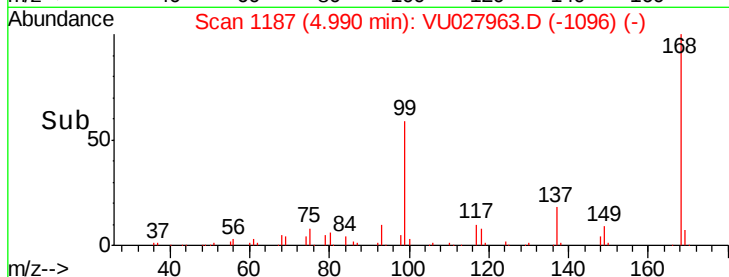
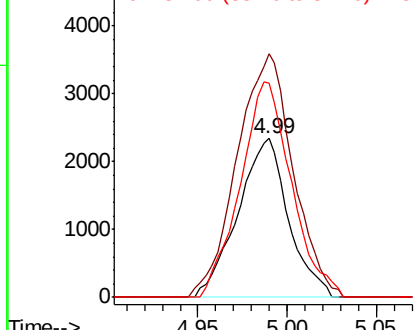
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU027963.D
Acq: 05 Nov 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#18

Tot Ion: 56 Resp: 4640
Ion Ratio Lower Upper
56 100
69 153.6 23.7 35.5#
84 135.0 58.2 87.4#

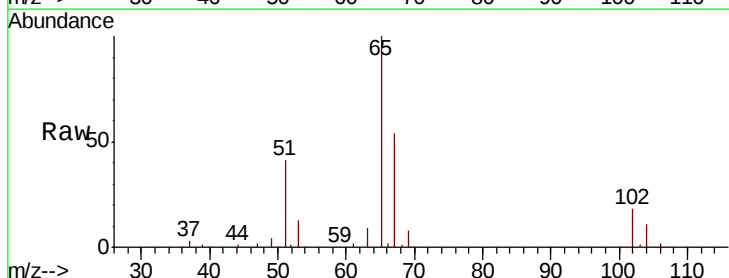


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

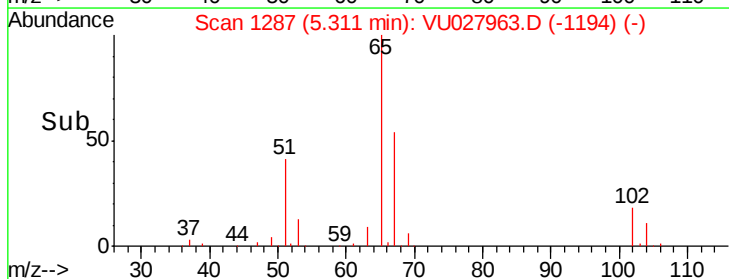
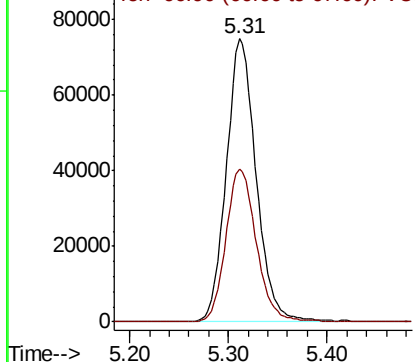


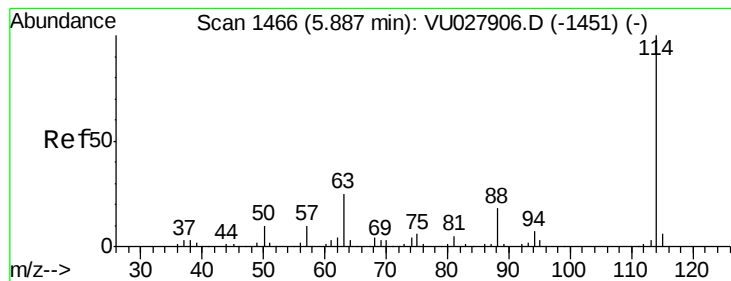
#33
1,2-Dichloroethane-d4
Concen: 55.060 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU027963.D
Acq: 05 Nov 2018 17:28

Tgt Ion: 65 Resp: 158367
Ion Ratio Lower Upper
65 100
67 55.2 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: VU027963.D

Acq: 05 Nov 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#18

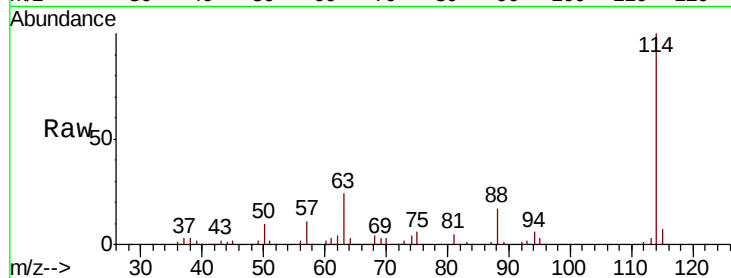
Tot Ion:114 Resp: 356231

Ion Ratio Lower Upper

114 100

63 24.0 0.0 50.8

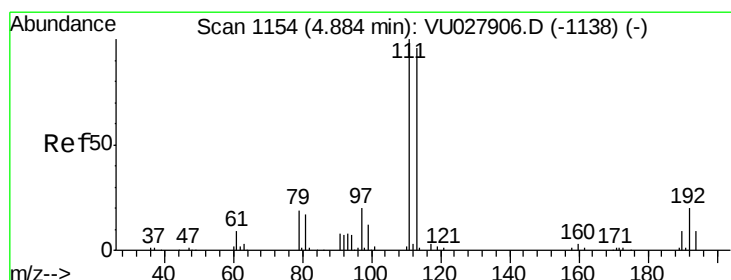
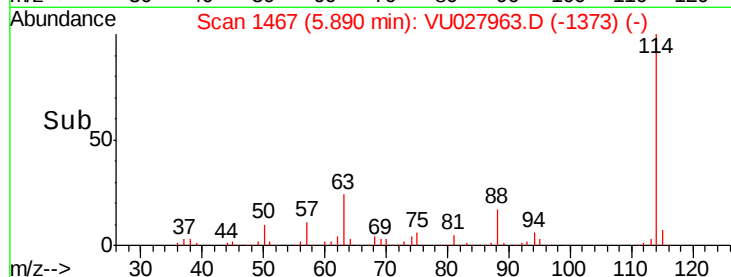
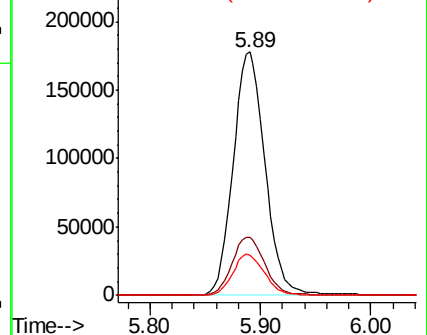
88 16.6 0.0 35.8



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: 52.866 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027963.D

Acq: 05 Nov 2018 17:28

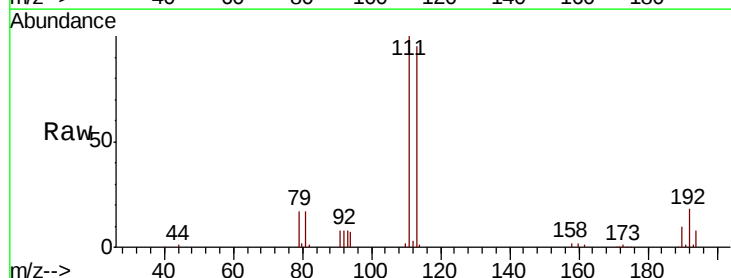
Tgt Ion:113 Resp: 118742

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

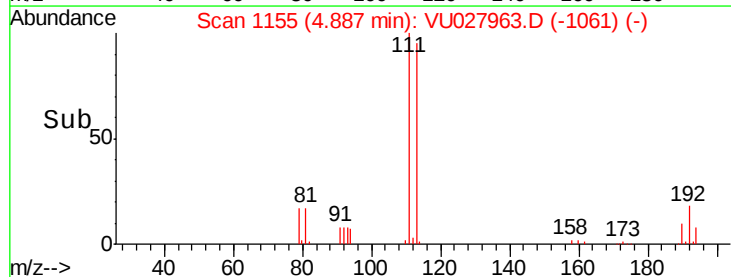
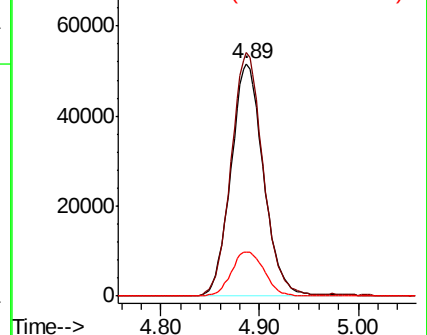
192 19.2 15.6 23.4

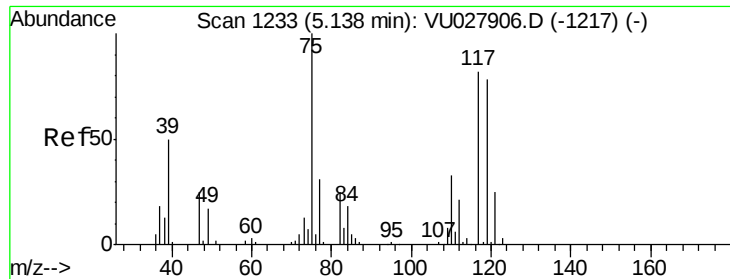


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.524 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027963.D

Acq: 05 Nov 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#18

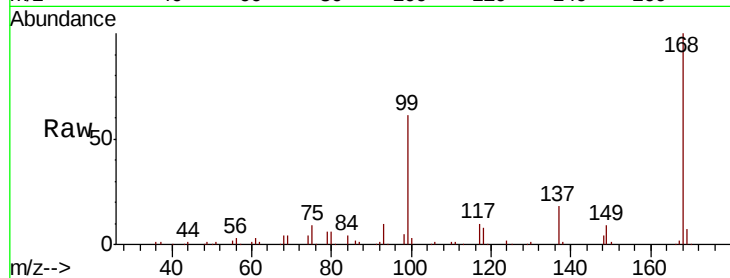
Tot Ion: 75 Resp: 16878

Ion Ratio Lower Upper

75 100

110 7.7 16.5 49.5#

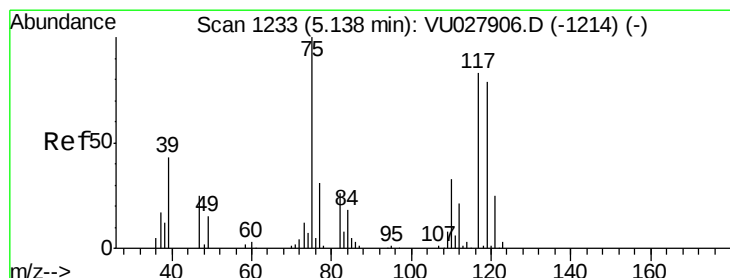
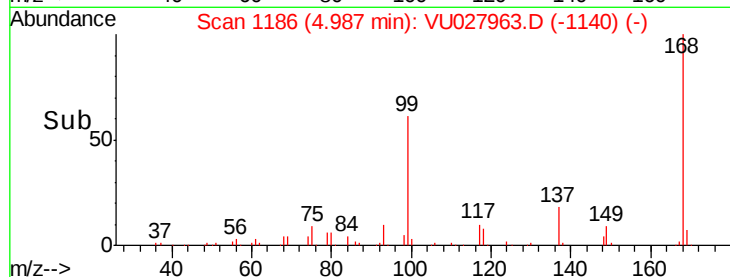
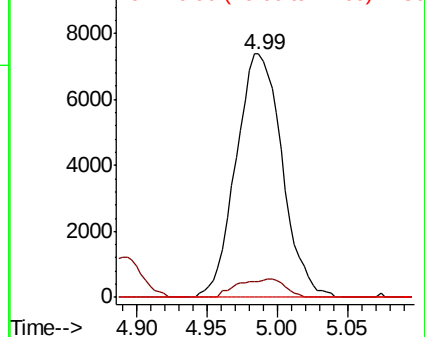
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0



#38

Carbon Tetrachloride

Concen: 6.090 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027963.D

Acq: 05 Nov 2018 17:28

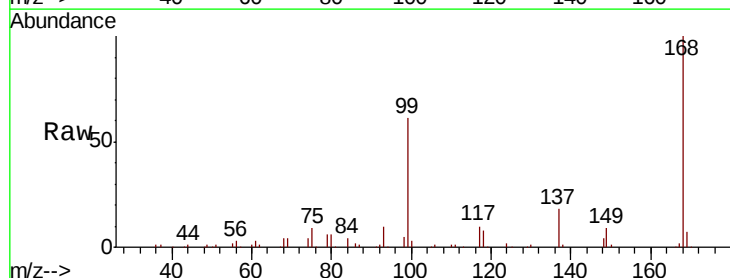
Tgt Ion: 117 Resp: 20135

Ion Ratio Lower Upper

117 100

119 4.8 76.0 114.0#

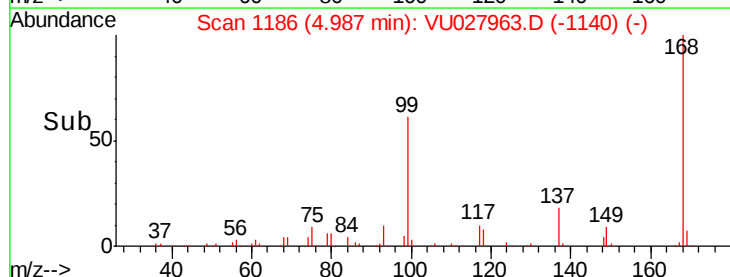
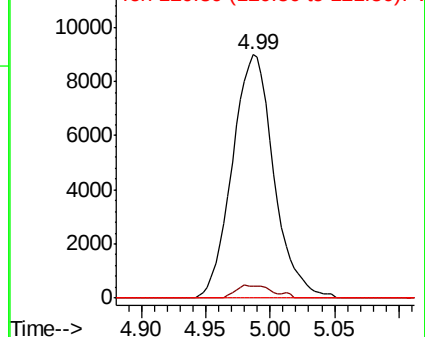
121 0.0 24.5 36.7#

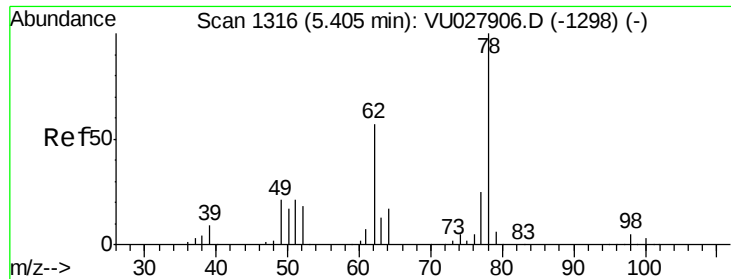


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#42

1,2-Dichloroethane

Concen: 0.231 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.15 min

Lab File: VU027963.D

Acq: 05 Nov 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

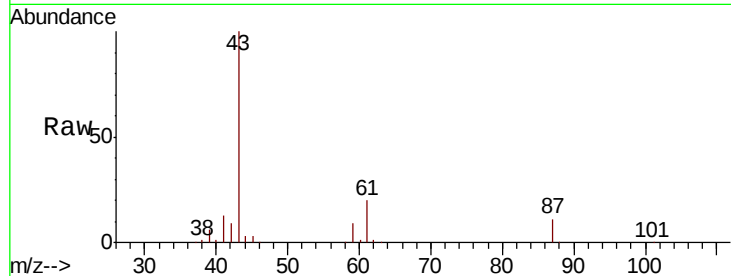
PB114473ZHE#18

Tot Ion: 62 Resp: 935

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

500

400

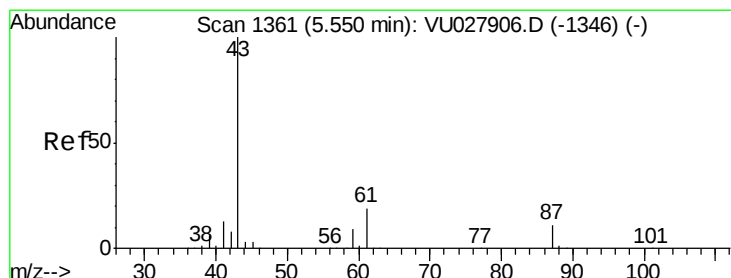
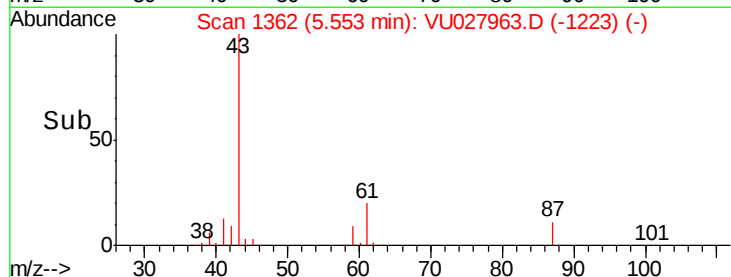
300

200

100

0

Time--> 5.50 5.55 5.60



#43

Isopropyl Acetate

Concen: 26.217 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027963.D

Acq: 05 Nov 2018 17:28

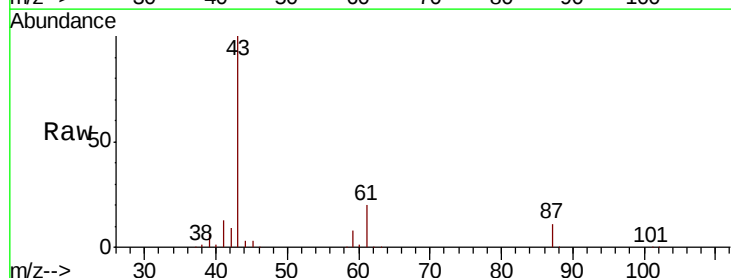
Tgt Ion: 43 Resp: 224538

Ion Ratio Lower Upper

43 100

61 19.5 15.0 22.4

87 11.1 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

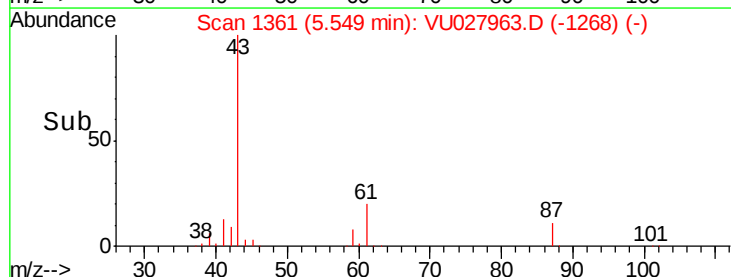
Ion 87.00 (86.70 to 87.70): VU0

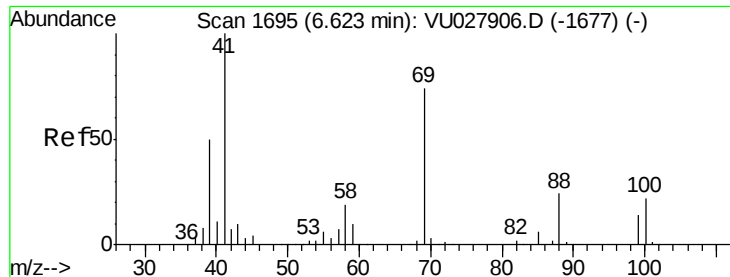
100000

50000

0

Time--> 5.50 5.55 5.60

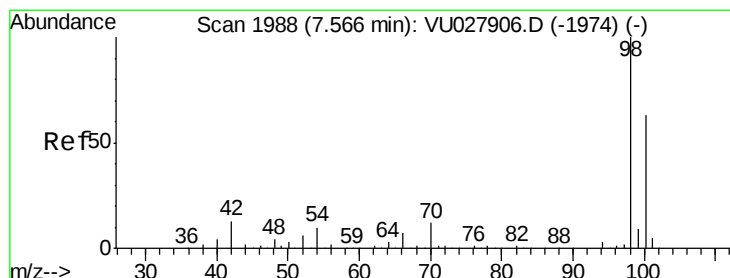
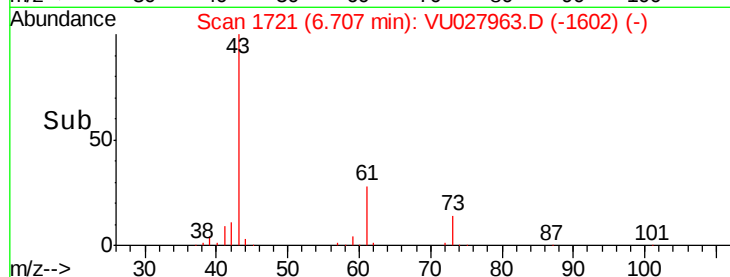
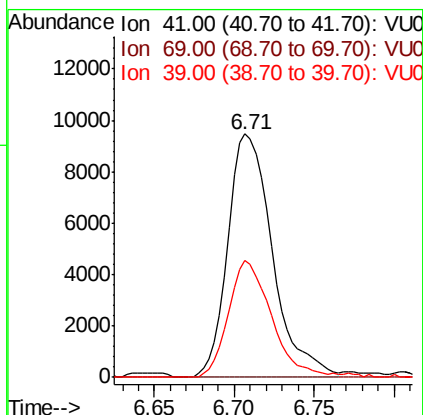
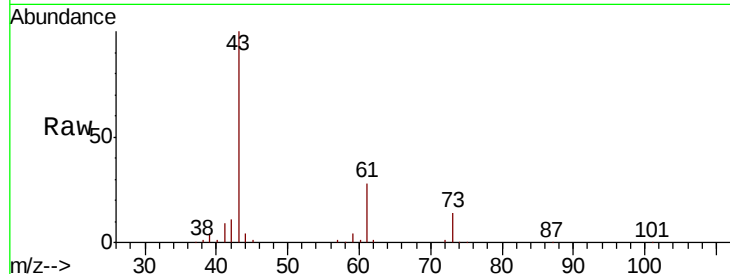




#48
Methvl methacrylate
Concen: 4.305 ug/l
RT: 6.71 min Scan# 1721
Delta R.T. 0.08 min
Lab File: VU027963.D
Acq: 05 Nov 2018 17:28

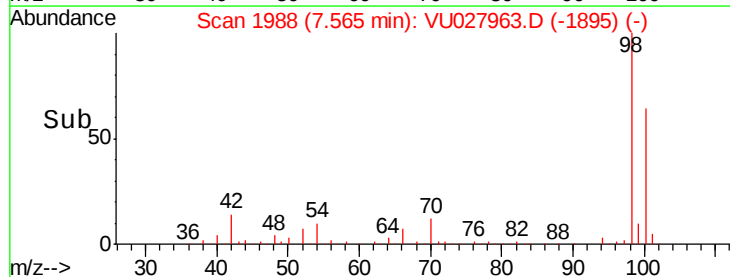
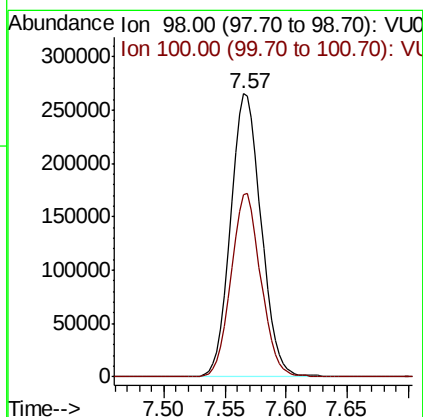
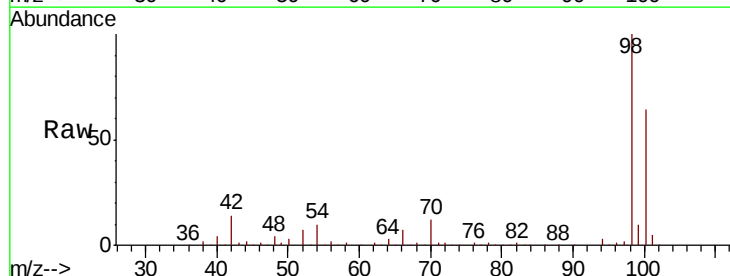
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#18

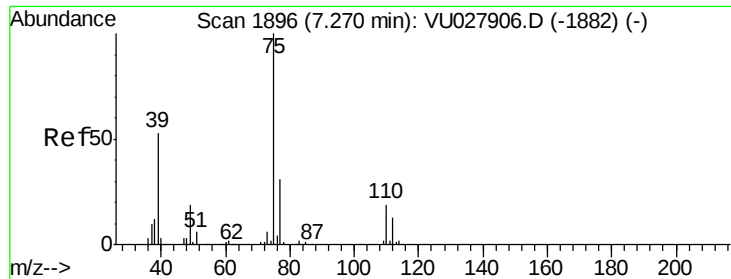
Tot Ion: 41 Resp: 18067
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 45.8 40.0 60.0



#50
Toluene-d8
Concen: 53.496 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027963.D
Acq: 05 Nov 2018 17:28

Tgt Ion: 98 Resp: 464154
Ion Ratio Lower Upper
98 100
100 63.3 50.1 75.1





#54

cis-1,3-Dichloropropene

Concen: 0.315 ug/l

RT: 7.42 min Scan# 1944

Delta R.T. 0.15 min

Lab File: VU027963.D

Acq: 05 Nov 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#18

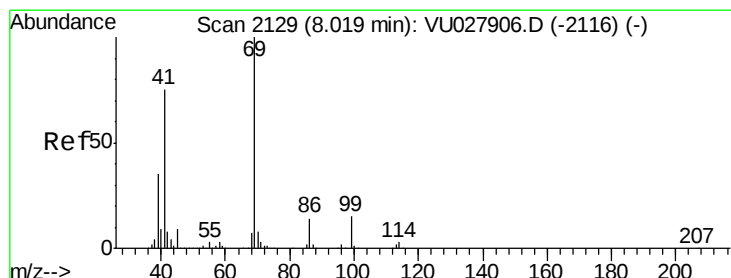
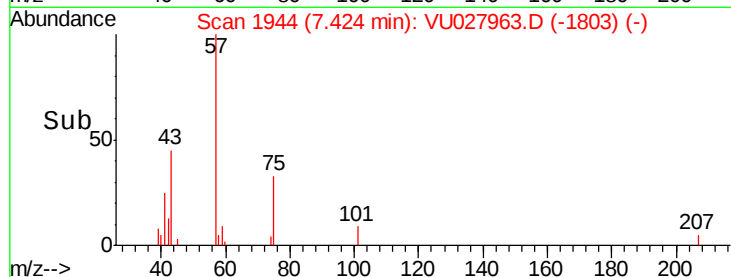
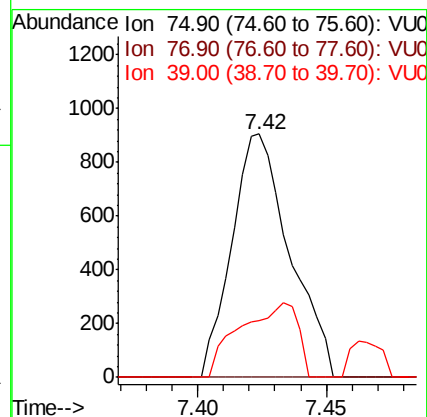
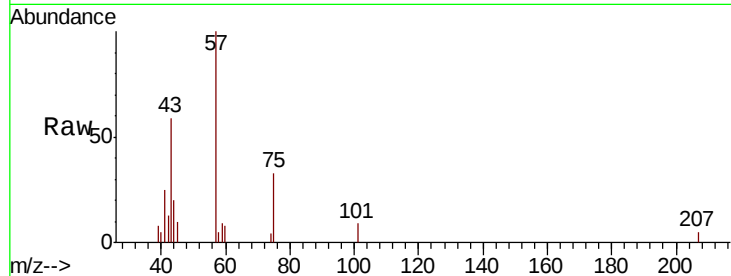
Tot Ion: 75 Resp: 1417

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 23.2 42.6 64.0#



#56

Ethyl methacrylate

Concen: 0.243 ug/l

RT: 7.78 min Scan# 2055

Delta R.T. -0.24 min

Lab File: VU027963.D

Acq: 05 Nov 2018 17:28

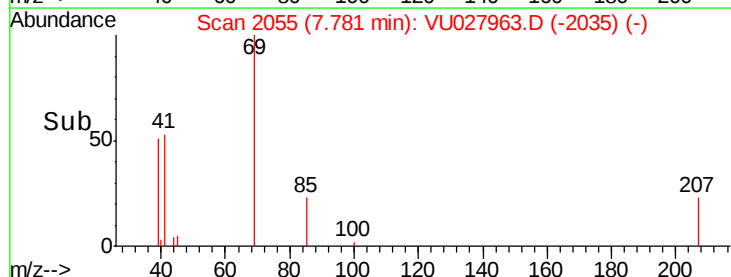
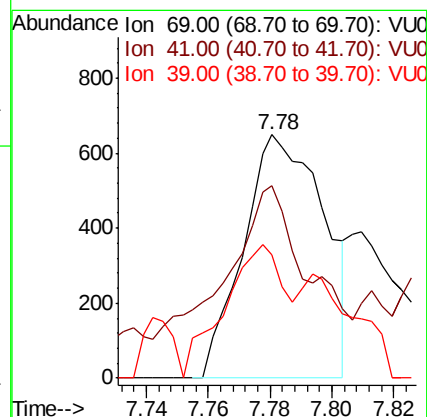
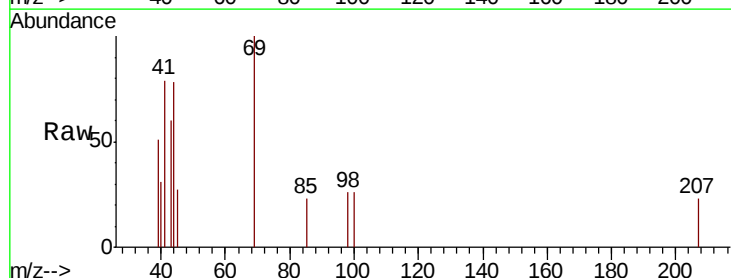
Tgt Ion: 69 Resp: 1170

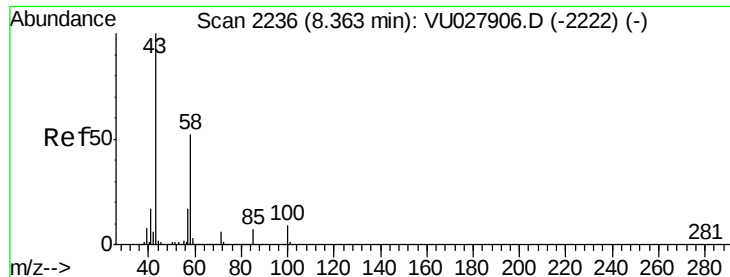
Ion Ratio Lower Upper

69 100

41 63.2 59.8 89.6

39 41.5 28.6 42.8

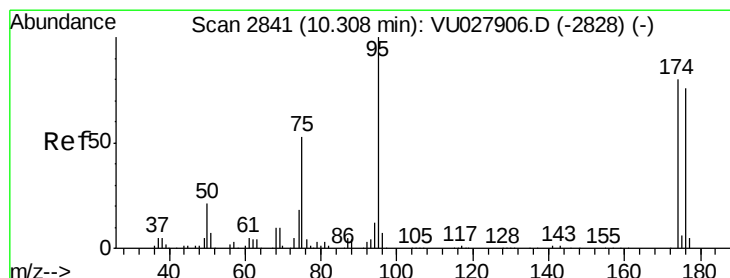
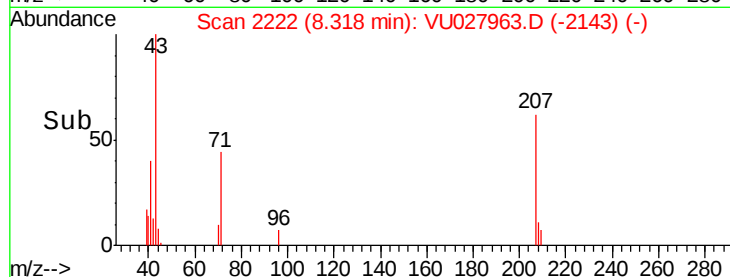
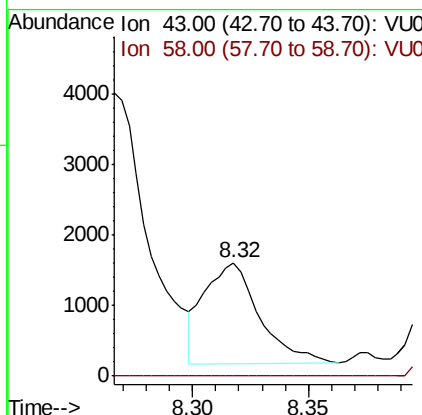
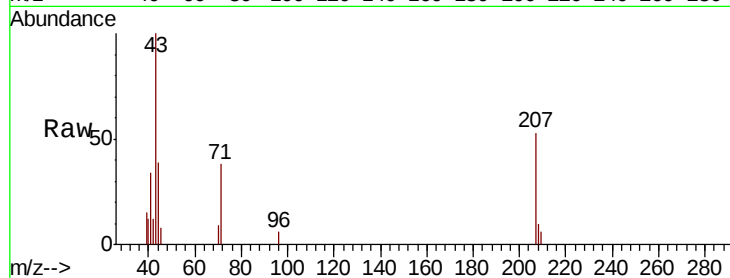




#59
 2-Hexanone
 Concen: 0.535 ug/l
 RT: 8.32 min Scan# 2222
 Delta R.T. -0.05 min
 Lab File: VU027963.D
 Acq: 05 Nov 2018 17:28

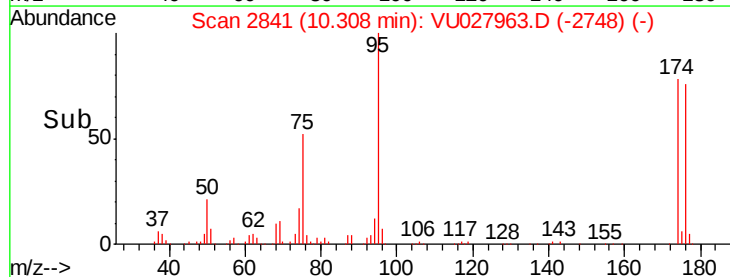
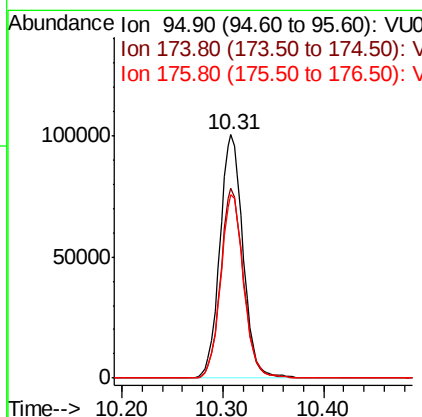
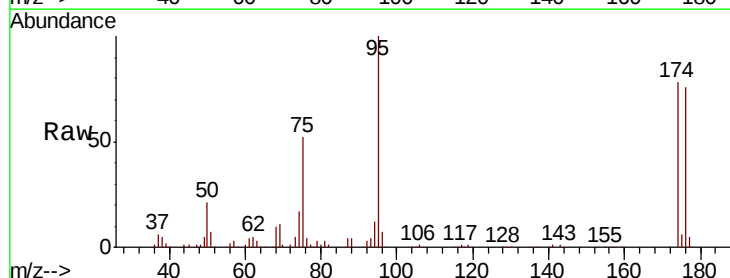
Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#18

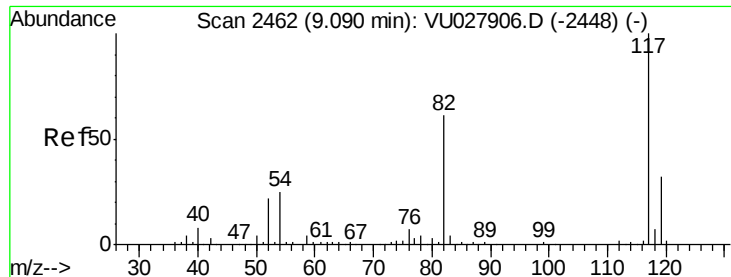
Tot Ion: 43 Resp: 2368
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.8 77.3#



#62
 4-Bromofluorobenzene
 Concen: 50.449 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027963.D
 Acq: 05 Nov 2018 17:28

Tgt Ion: 95 Resp: 161449
 Ion Ratio Lower Upper
 95 100
 174 76.9 0.0 156.4
 176 74.5 0.0 150.8

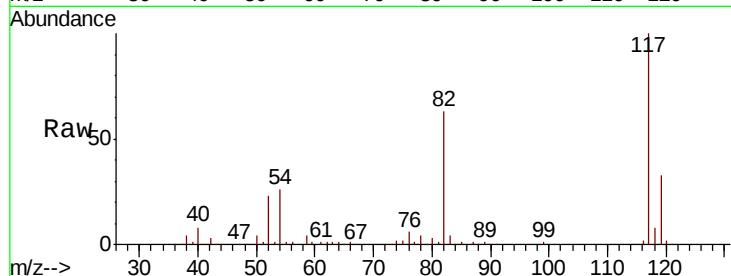




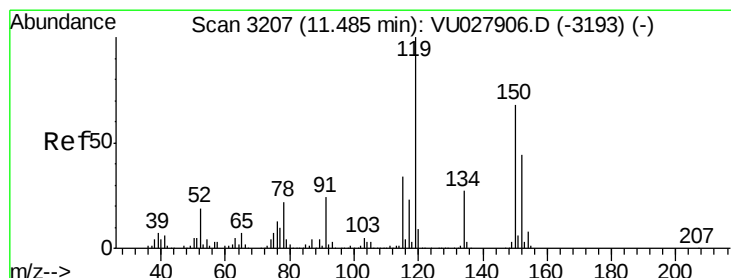
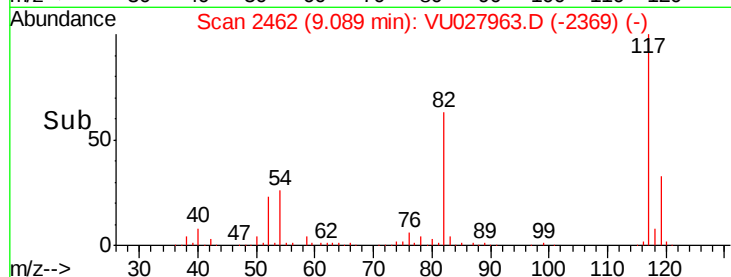
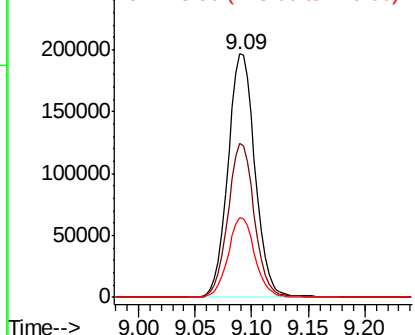
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027963.D
Acq: 05 Nov 2018 17:28

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#18

Tot Ion:117 Resp: 328096
Ion Ratio Lower Upper
117 100
82 63.1 48.6 73.0
119 32.5 25.8 38.8

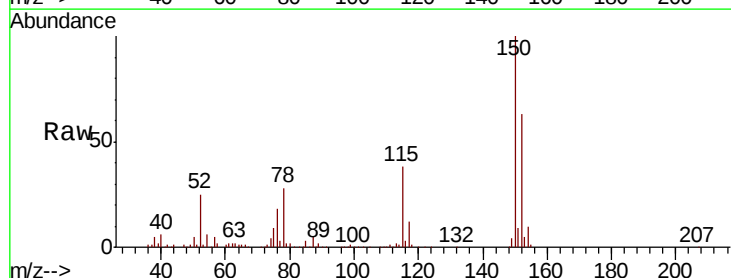


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU027906.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): V

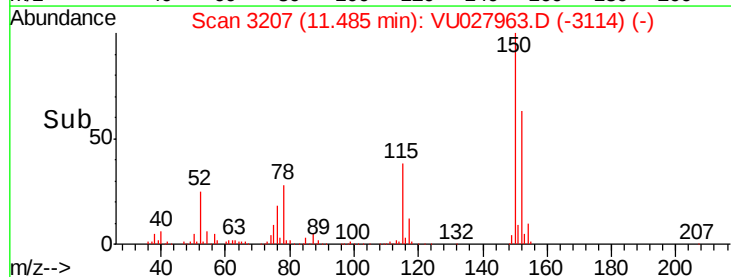
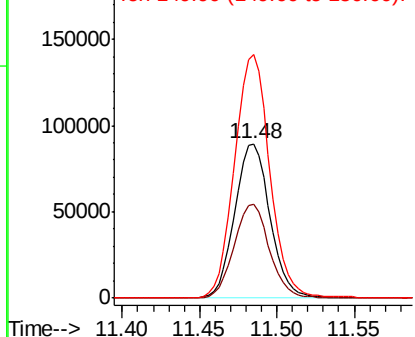


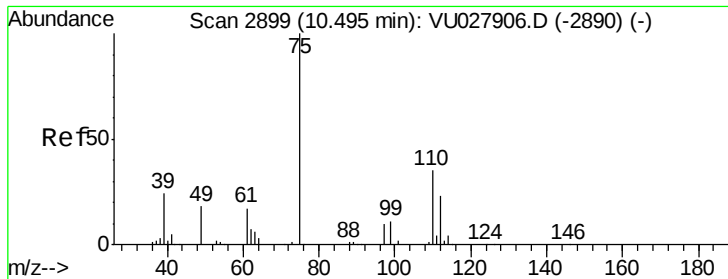
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027963.D
Acq: 05 Nov 2018 17:28

Tgt Ion:152 Resp: 141635
Ion Ratio Lower Upper
152 100
115 61.0 43.0 129.0
150 158.4 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): VU027906.D (-3193) (-)
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.817 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027963.D

Acq: 05 Nov 2018 17:28

Instrument :

MSVOA_U

ClientSampleId :

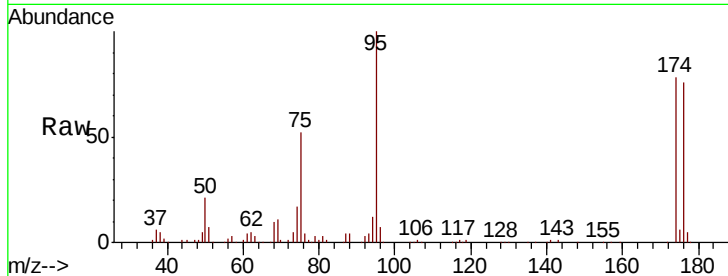
PB114473ZHE#18

Tot Ion: 75 Resp: 84523

Ion Ratio Lower Upper

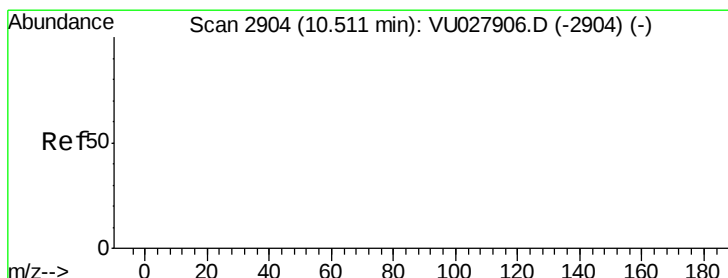
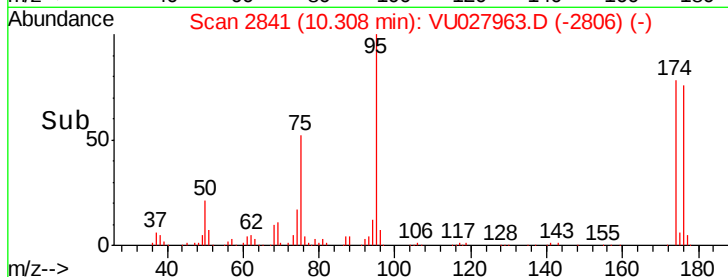
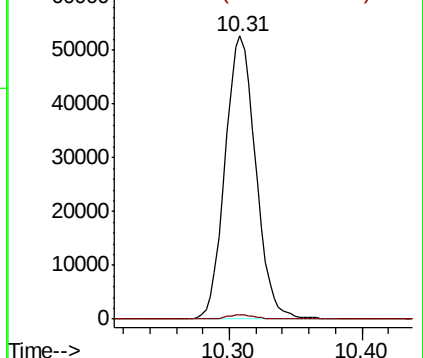
75 100

77 1.3 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 54.450 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027963.D

Acq: 05 Nov 2018 17:28

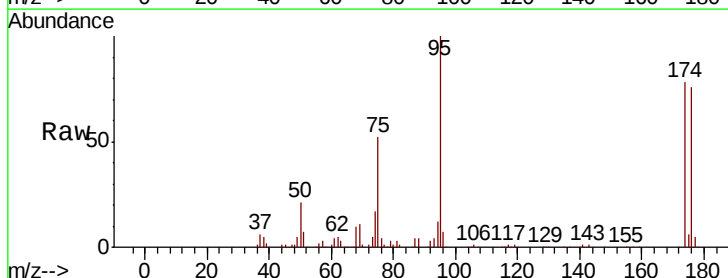
Tgt Ion: 75 Resp: 84523

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

