

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027959.D
 Acq On : 05 Nov 2018 15:55
 Operator : MD/SY
 Sample : PB114473ZHE#14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#14

Quant Time: Nov 06 03:24:58 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	187416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	346114	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	313433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	134365	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	153653	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
35) Dibromofluoromethane	4.89	113	112783	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
50) Toluene-d8	7.57	98	442288	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	10.31	95	151594	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	

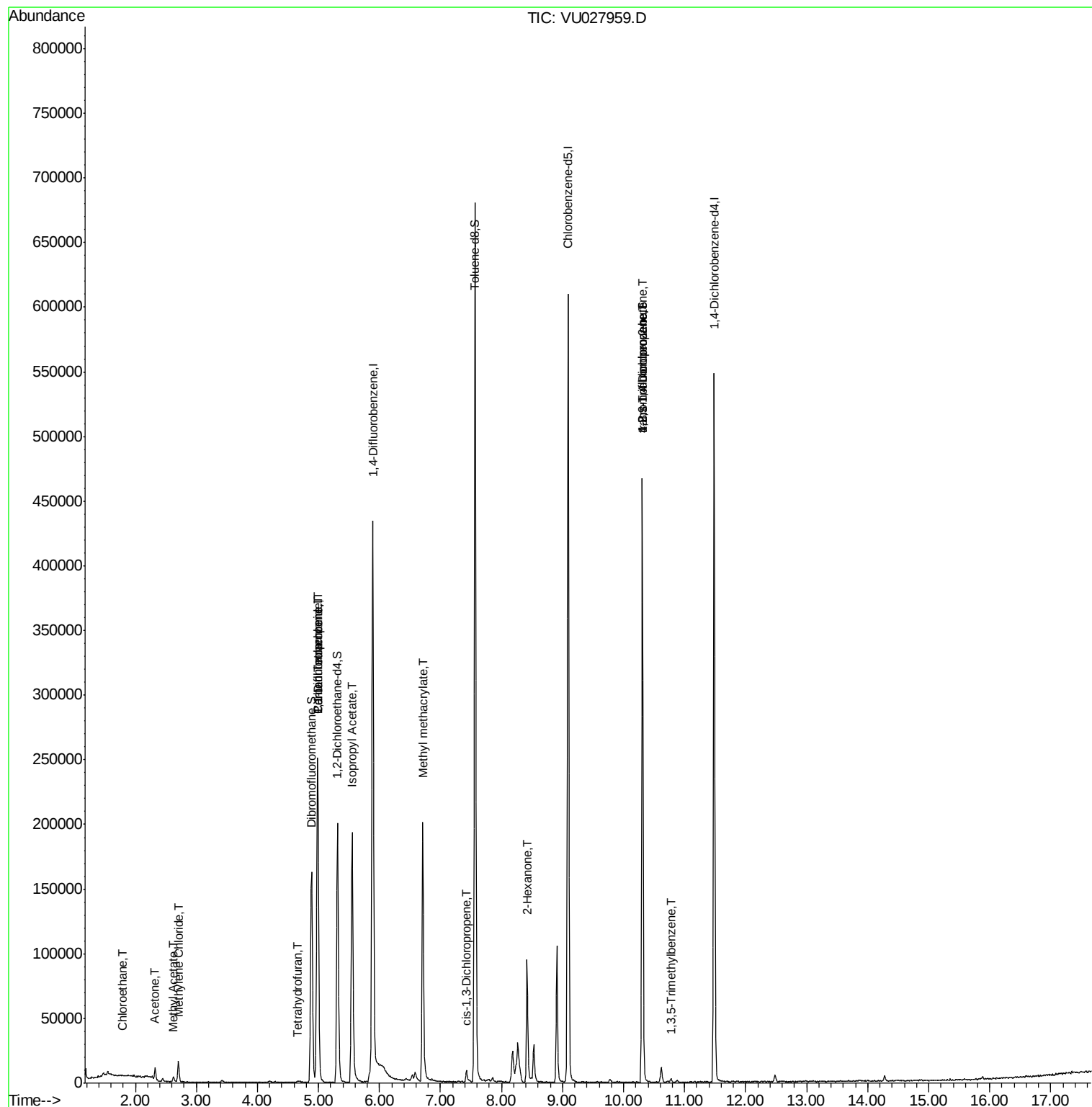
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.78	64	436	0.265	ug/l #	42
13) Acrolein	2.19	56	49	Below Cal	#	1
16) Acetone	2.32	43	10012	5.791	ug/l	95
18) Methyl Acetate	2.62	43	5435	1.143	ug/l	98
20) Methylene Chloride	2.70	84	6582	2.608	ug/l	90
29) Tetrahydrofuran	4.65	42	390	0.212	ug/l #	62
31) Cyclohexane	4.99	56	4223	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	15898	4.386	ug/l #	51
38) Carbon Tetrachloride	4.99	117	18667	5.811	ug/l #	16
43) Isopropyl Acetate	5.55	43	231110	27.773	ug/l	100
48) Methyl methacrylate	6.71	41	17476	4.286	ug/l #	46
54) cis-1,3-Dichloropropene	7.43	75	1413	0.324	ug/l #	73
59) 2-Hexanone	8.42	43	13960	3.248	ug/l #	54
76) 1,2,3-Trichloropropane	10.31	75	78099	21.250	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	1954	0.227	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.31	75	78099	53.040	ug/l #	100

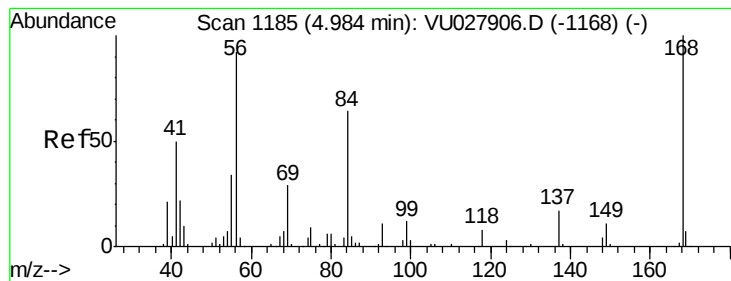
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027959.D

Acq: 05 Nov 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

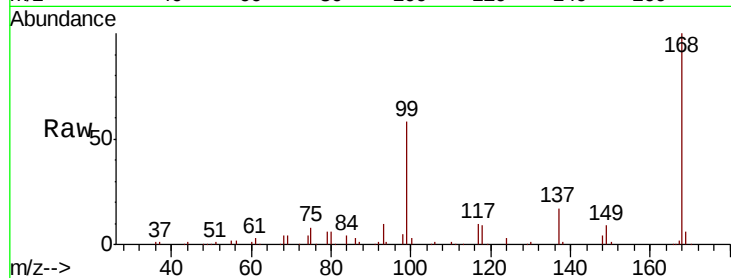
PB114473ZHE#14

Tot Ion:168 Resp: 187416

Ion Ratio Lower Upper

168 100

99 57.8 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

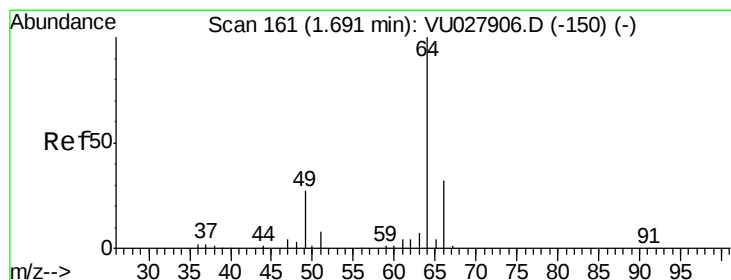
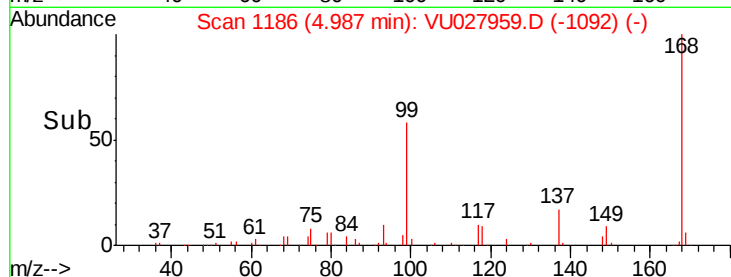
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#6

Chloroethane

Concen: 0.265 ug/l

RT: 1.78 min Scan# 189

Delta R.T. 0.09 min

Lab File: VU027959.D

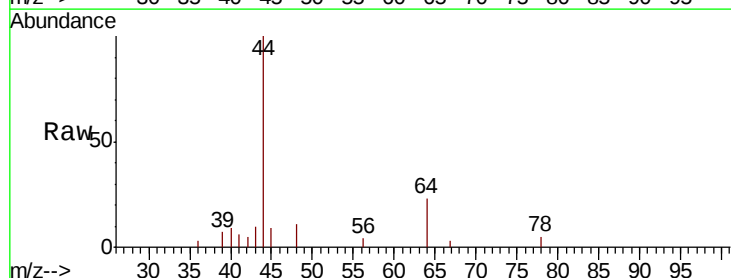
Acq: 05 Nov 2018 15:55

Tgt Ion: 64 Resp: 436

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) (-)

1.78

800

600

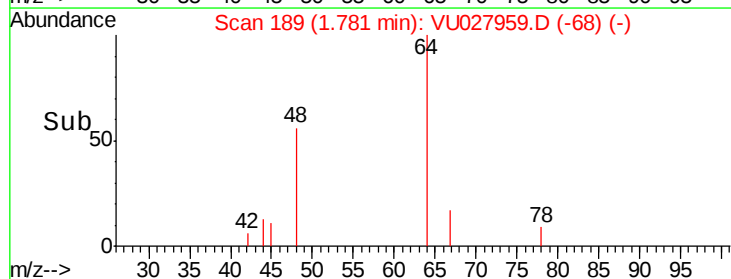
400

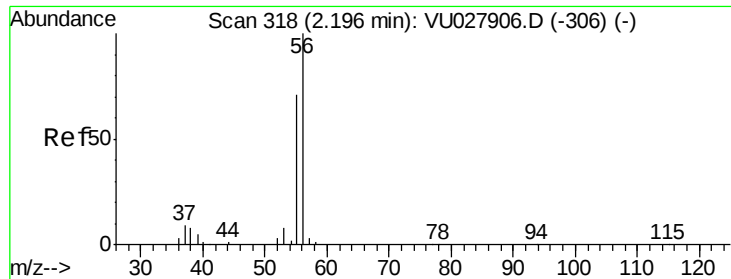
200

0

1.74 1.76 1.78 1.80

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027959.D

Acq: 05 Nov 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

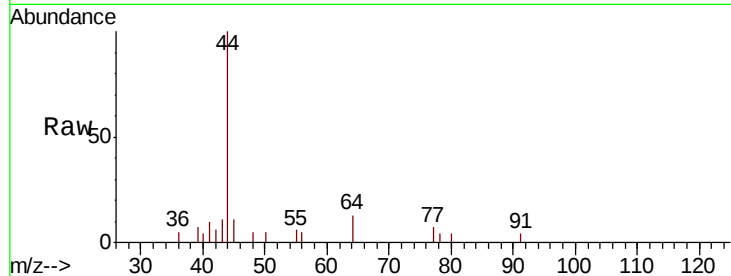
PB114473ZHE#14

Tot Ion: 56 Resp: 49

Ion Ratio Lower Upper

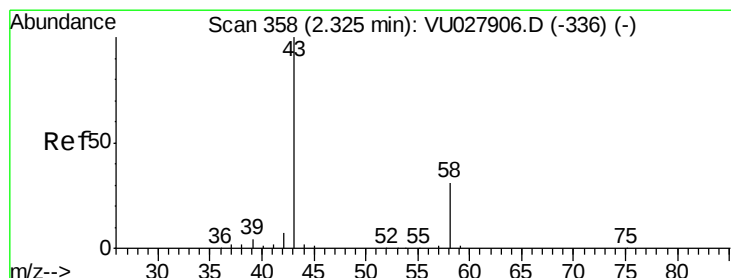
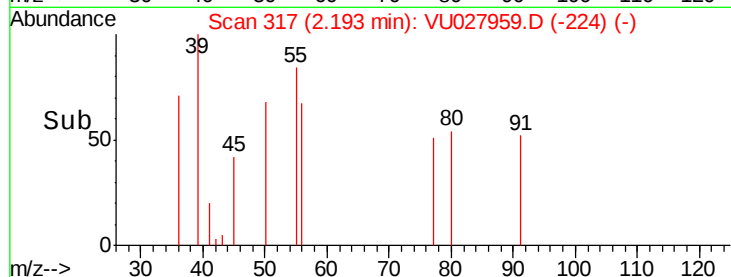
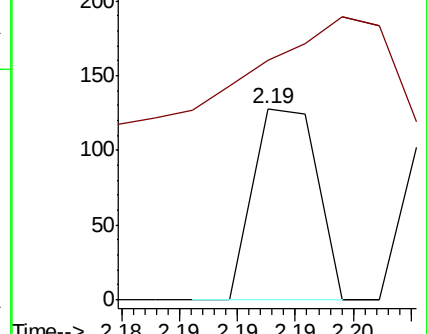
56 100

55 379.6 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 5.791 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027959.D

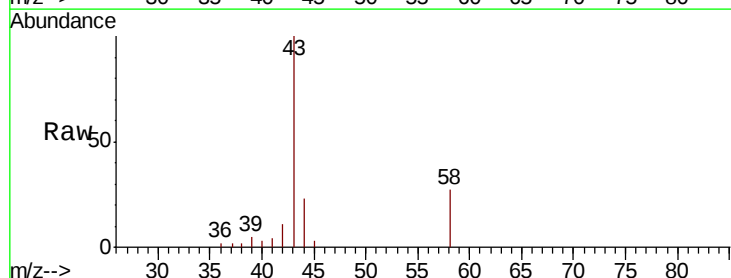
Acq: 05 Nov 2018 15:55

Tgt Ion: 43 Resp: 10012

Ion Ratio Lower Upper

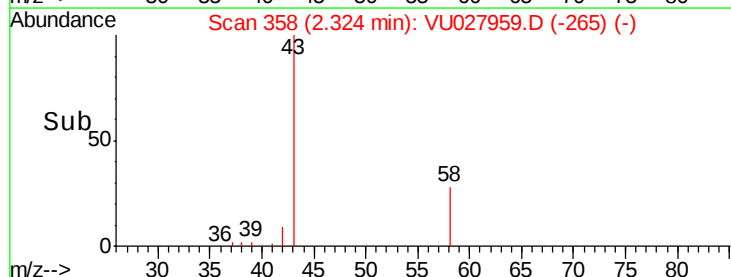
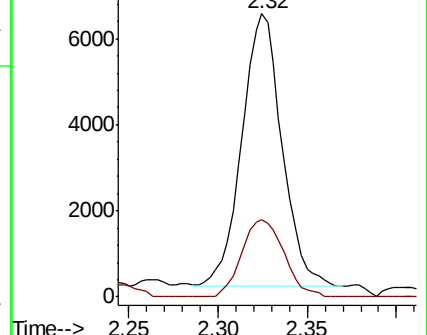
43 100

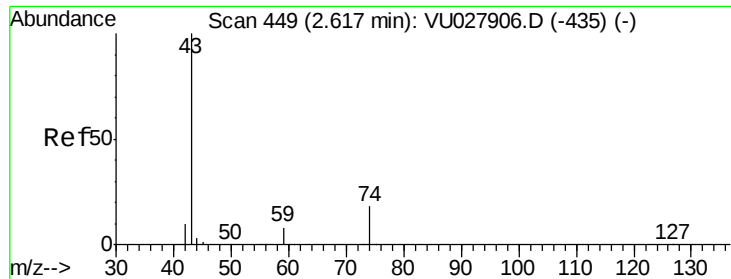
58 28.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

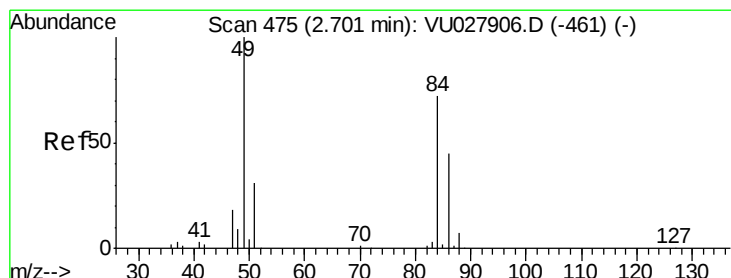
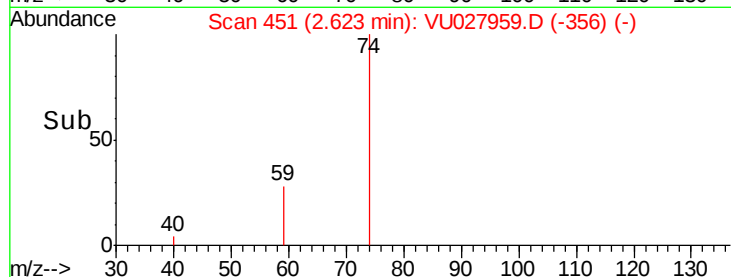
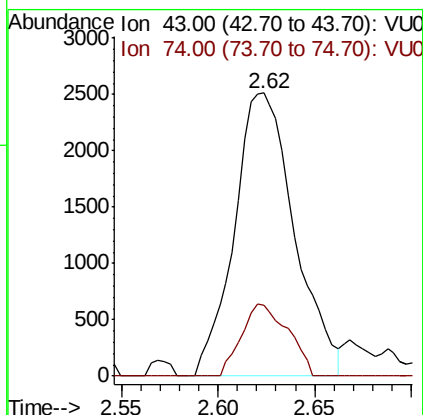
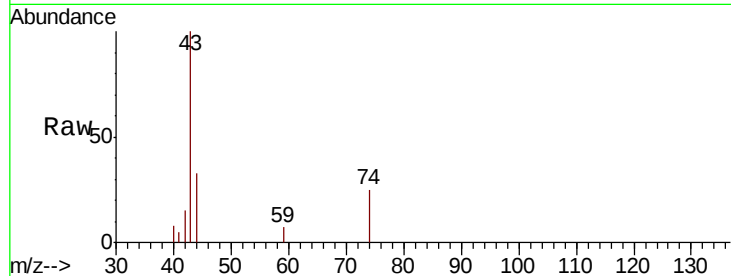




#18
Methyl Acetate
Concen: 1.143 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU027959.D
Acq: 05 Nov 2018 15:55

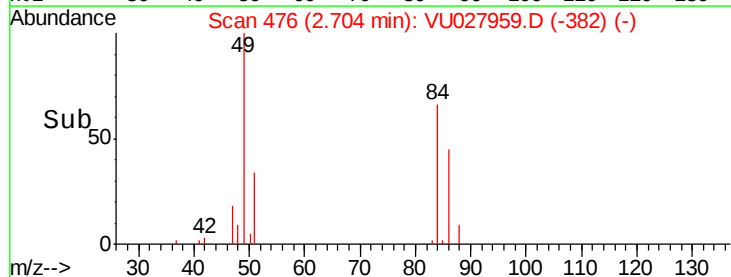
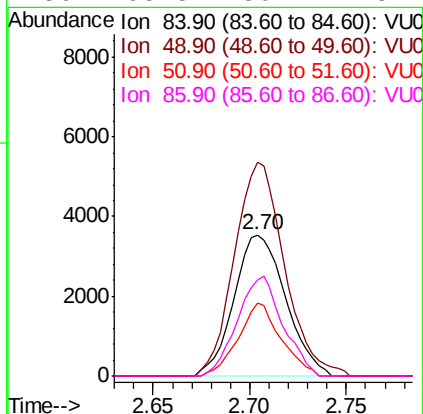
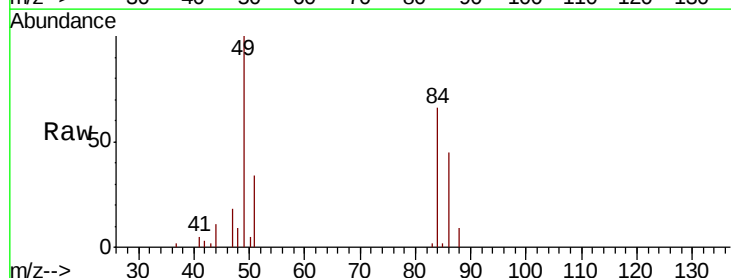
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#14

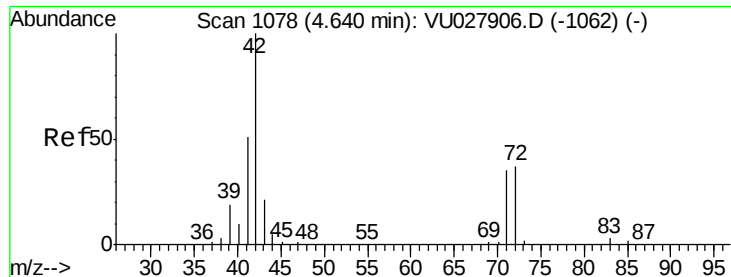
Tot Ion: 43 Resp: 5435
Ion Ratio Lower Upper
43 100
74 19.6 14.9 22.3



#20
Methylene Chloride
Concen: 2.608 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027959.D
Acq: 05 Nov 2018 15:55

Tgt Ion: 84 Resp: 6582
Ion Ratio Lower Upper
84 100
49 151.3 111.6 167.4
51 51.8 34.8 52.2
86 68.5 50.1 75.1

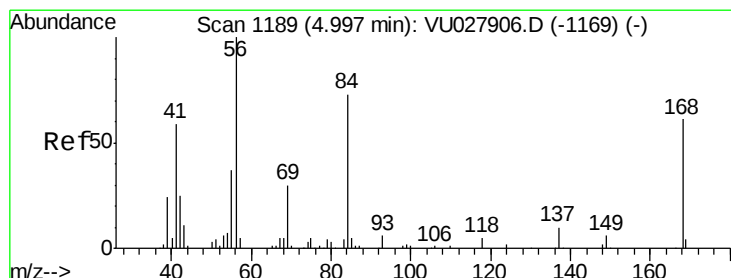
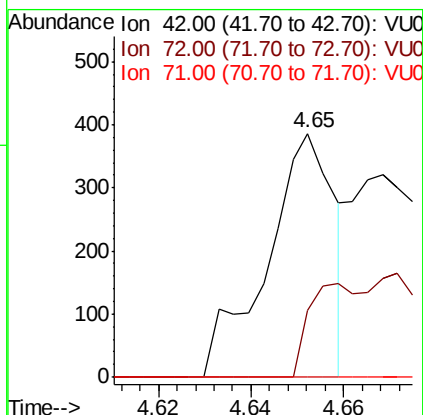
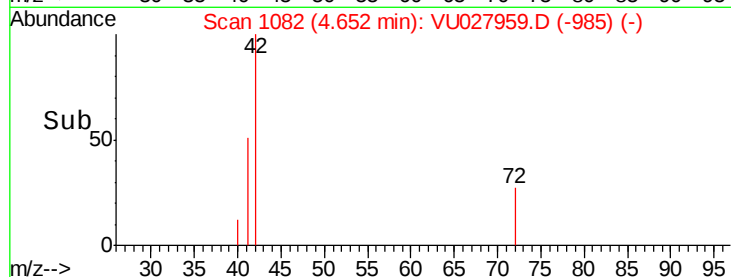
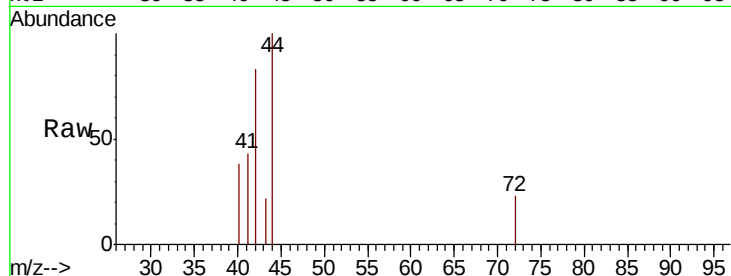




#29
Tetrahydrofuran
Concen: 0.212 ug/l
RT: 4.65 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VU027959.D
Acq: 05 Nov 2018 15:55

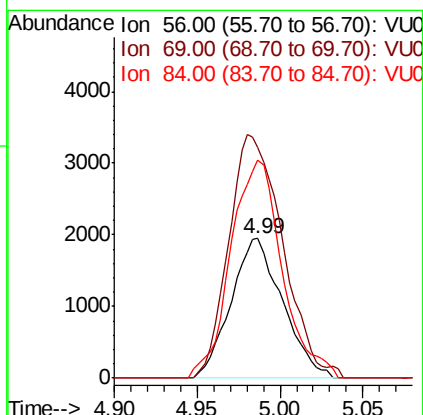
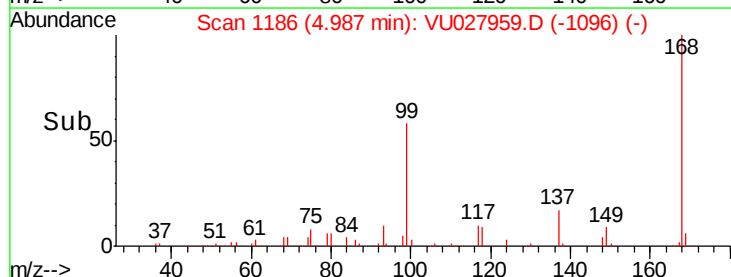
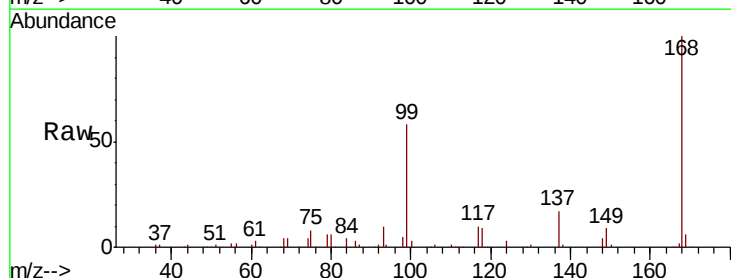
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#14

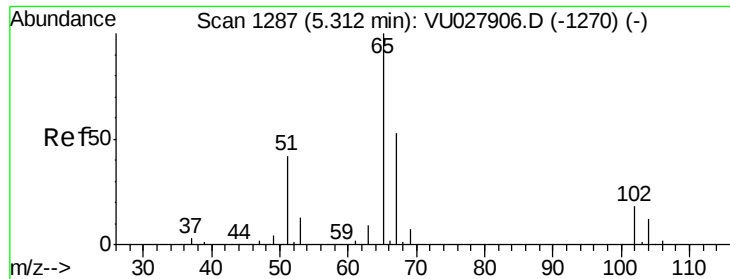
Tot Ion: 42 Resp: 390
Ion Ratio Lower Upper
42 100
72 26.2 29.4 44.0#
71 0.0 27.9 41.9#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027959.D
Acq: 05 Nov 2018 15:55

Tgt Ion: 56 Resp: 4223
Ion Ratio Lower Upper
56 100
69 165.0 23.7 35.5#
84 156.0 58.2 87.4#

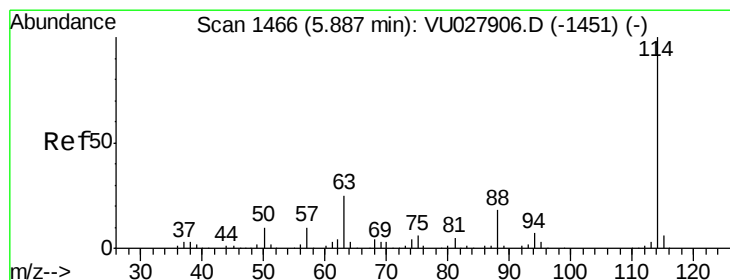
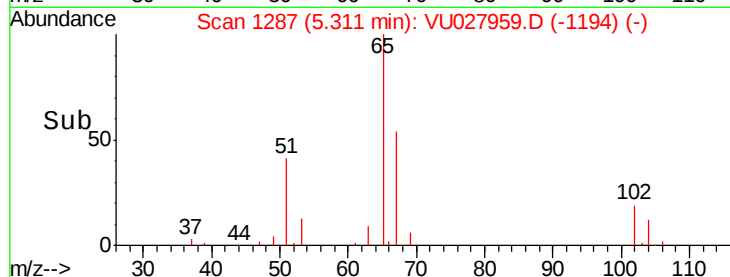
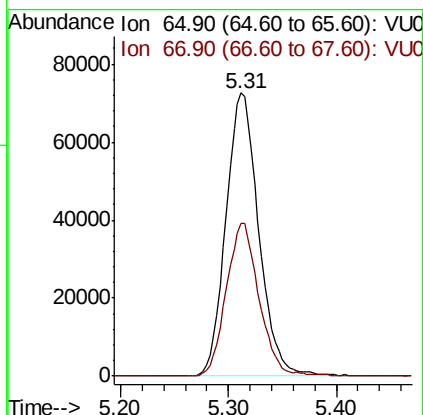
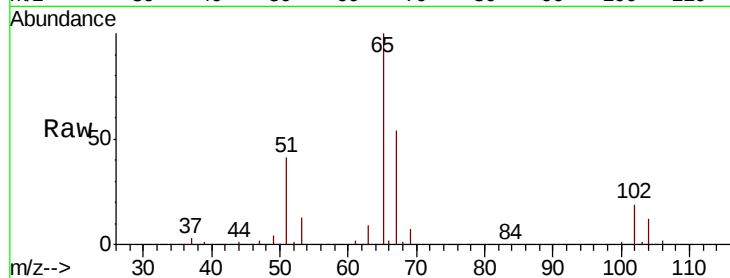




#33
 1,2-Dichloroethane-d4
 Concen: 55.144 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027959.D
 Acq: 05 Nov 2018 15:55

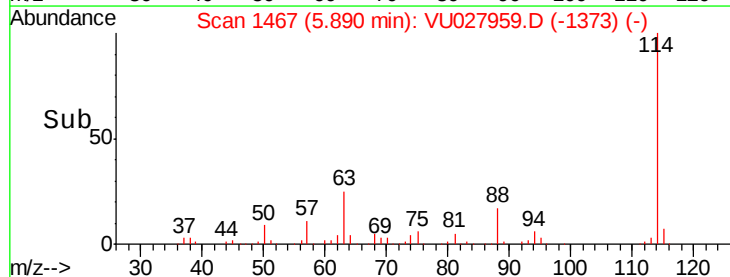
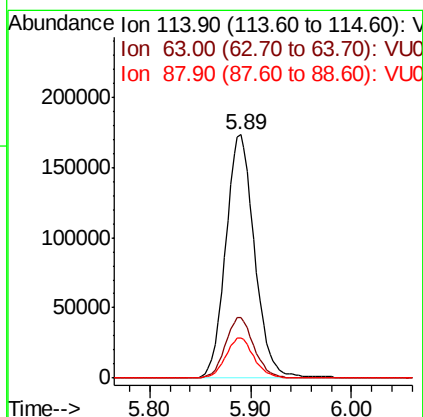
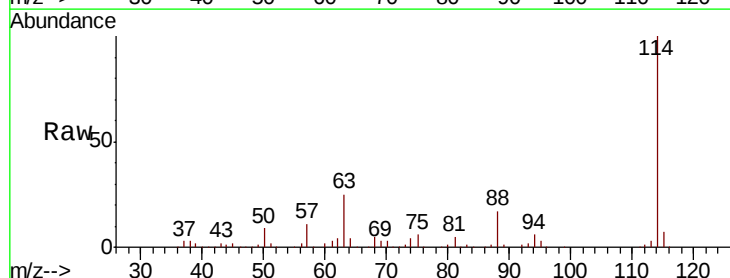
Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#14

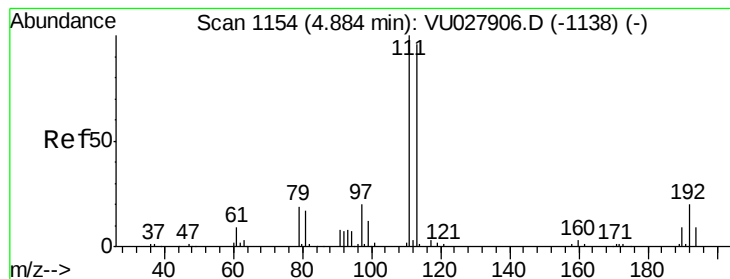
Tot Ion: 65 Resp: 153653
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027959.D
 Acq: 05 Nov 2018 15:55

Tgt Ion: 114 Resp: 346114
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 50.8
 88 16.6 0.0 35.8





#35

Dibromofluoromethane

Concen: 51.681 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027959.D

Acq: 05 Nov 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#14

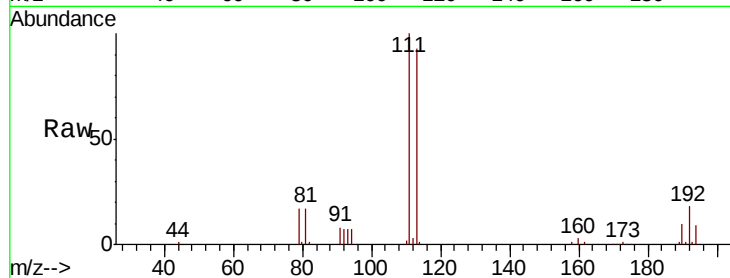
Tot Ion:113 Resp: 112783

Ion Ratio Lower Upper

113 100

111 104.1 83.0 124.6

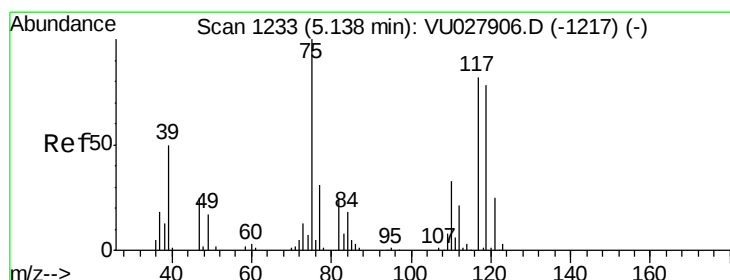
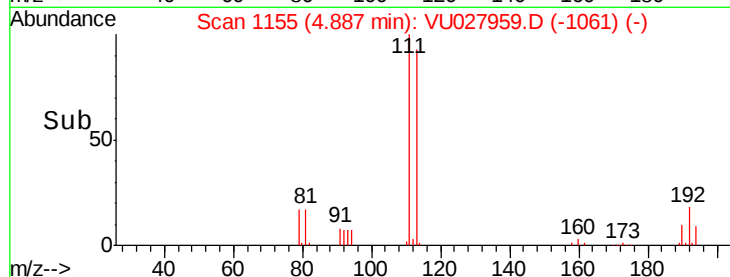
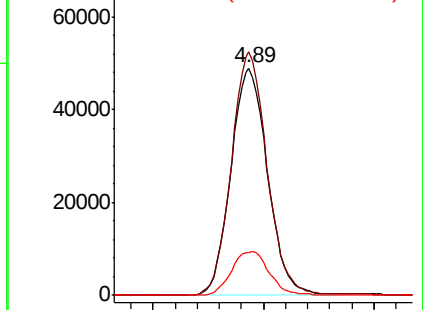
192 19.9 15.6 23.4



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: 4.386 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027959.D

Acq: 05 Nov 2018 15:55

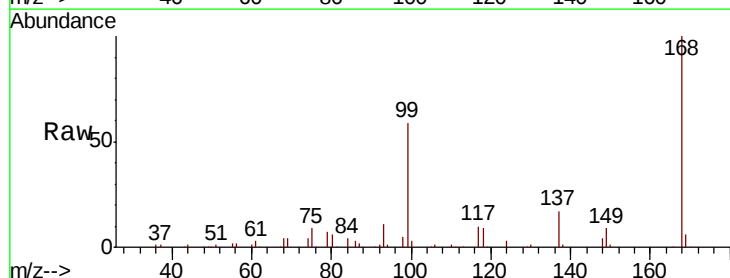
Tgt Ion: 75 Resp: 15898

Ion Ratio Lower Upper

75 100

110 8.9 16.5 49.5#

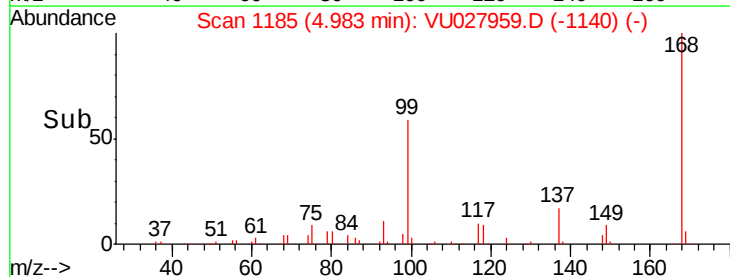
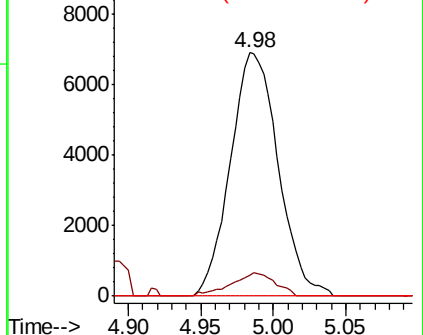
77 0.0 24.9 37.3#

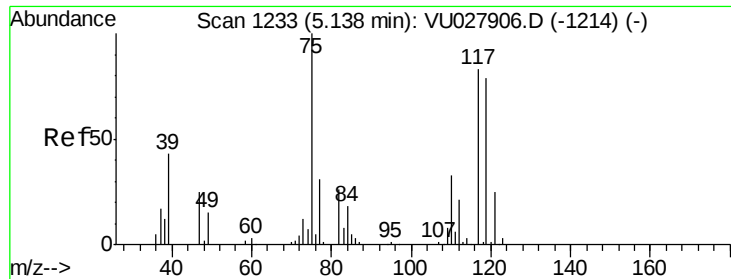


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.811 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027959.D

Acq: 05 Nov 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#14

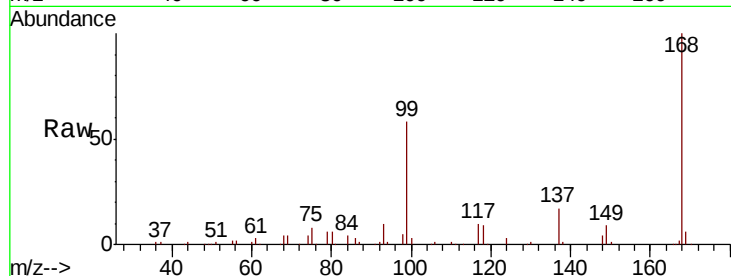
Tot Ion:117 Resp: 18667

Ion Ratio Lower Upper

117 100

119 4.0 76.0 114.0#

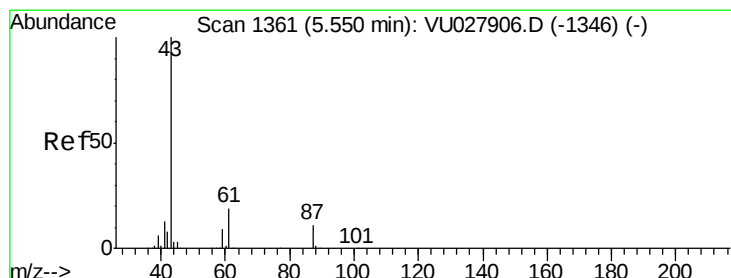
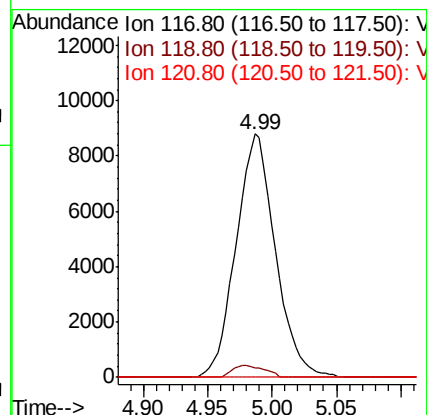
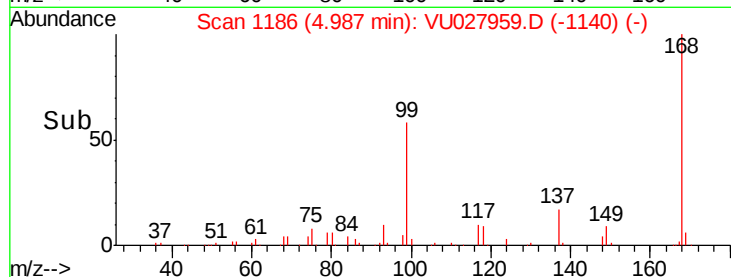
121 0.0 24.5 36.7#



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



#43

Isopropyl Acetate

Concen: 27.773 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027959.D

Acq: 05 Nov 2018 15:55

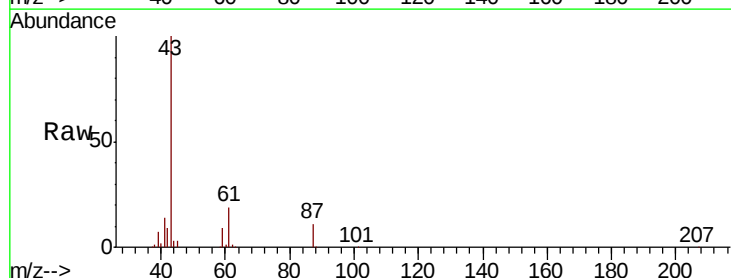
Tgt Ion: 43 Resp: 231110

Ion Ratio Lower Upper

43 100

61 18.9 15.0 22.4

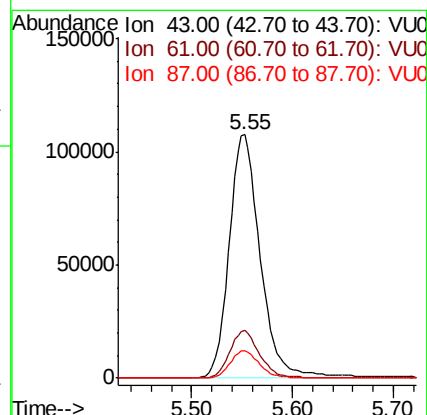
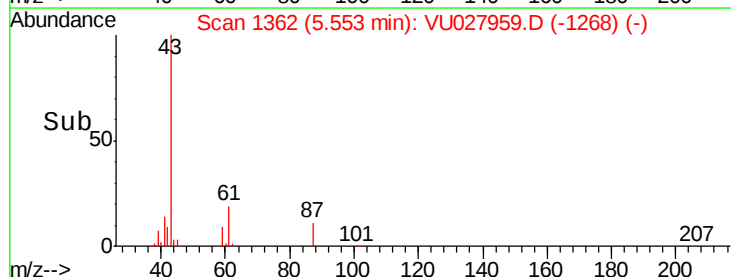
87 10.6 8.6 12.8

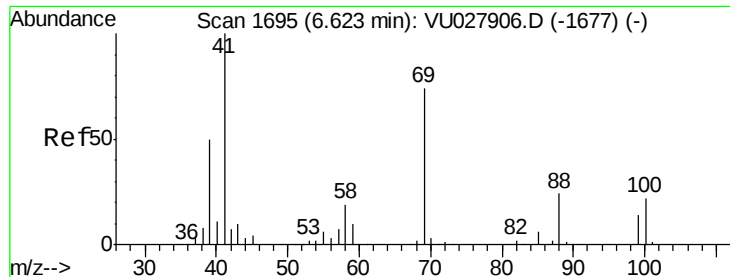


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

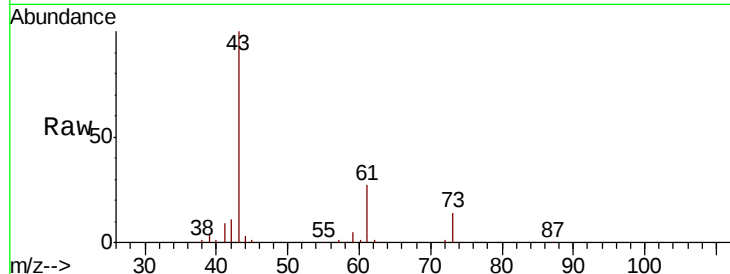




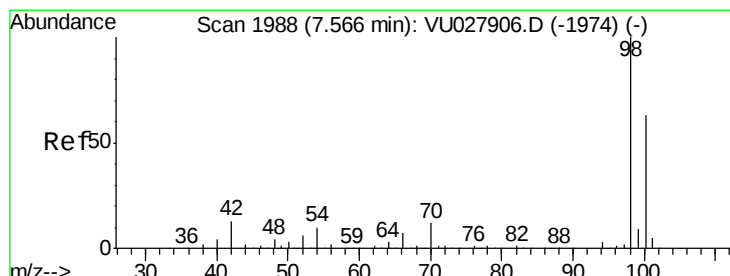
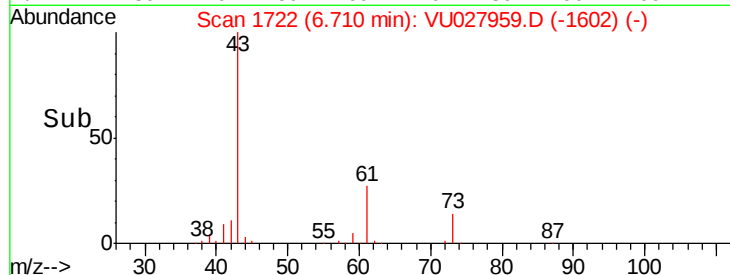
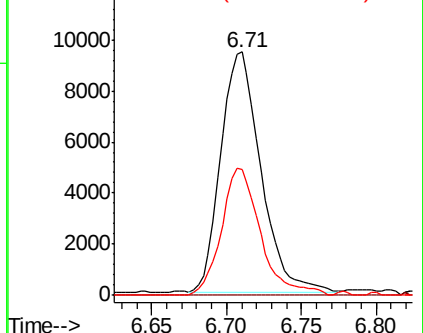
#48
Methvl methacrylate
Concen: 4.286 ug/l
RT: 6.71 min Scan# 1722
Delta R.T. 0.09 min
Lab File: VU027959.D
Acq: 05 Nov 2018 15:55

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#14

Tot Ion: 41 Resp: 17476
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 51.7 40.0 60.0

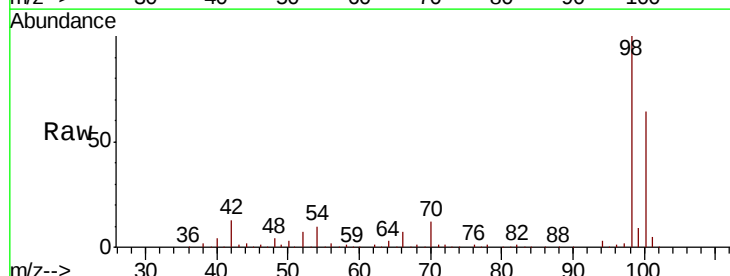


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

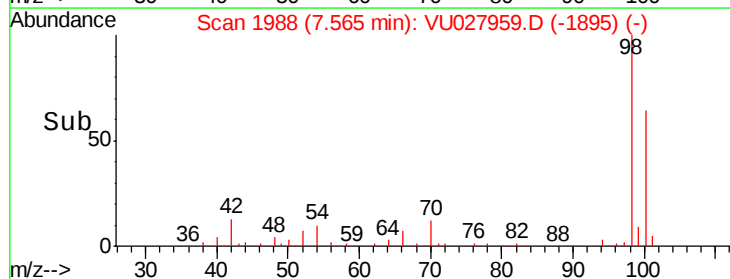
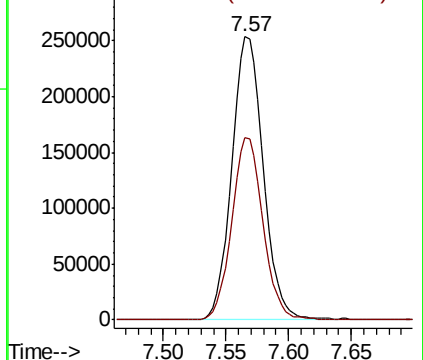


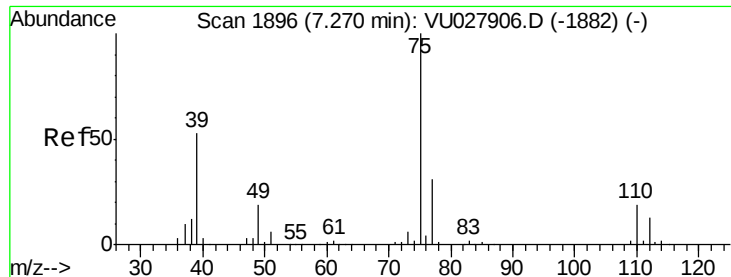
#50
Toluene-d8
Concen: 52.466 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027959.D
Acq: 05 Nov 2018 15:55

Tgt Ion: 98 Resp: 442288
Ion Ratio Lower Upper
98 100
100 63.8 50.1 75.1



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



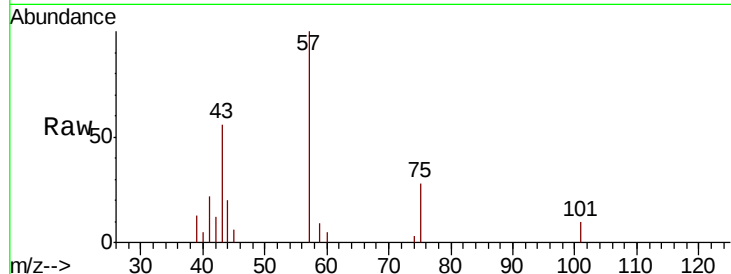


#54

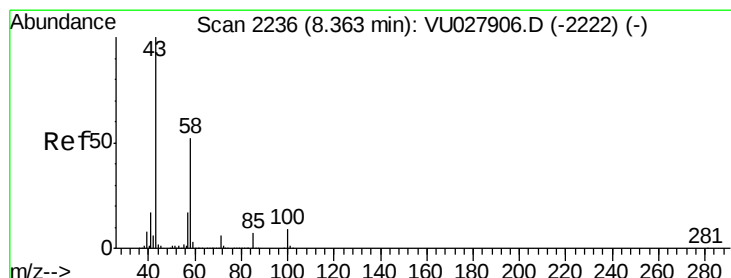
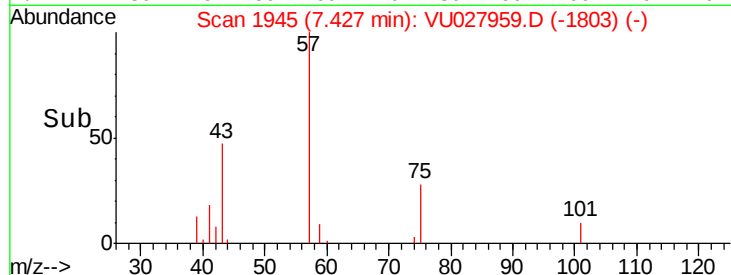
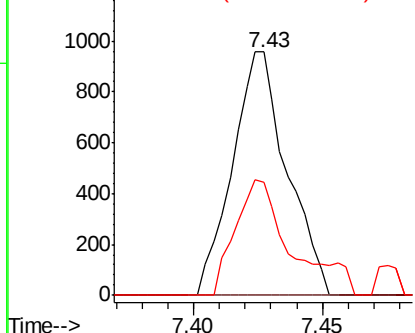
cis-1,3-Dichloropropene
 Concen: 0.324 ug/l
 RT: 7.43 min Scan# 1945
 Delta R.T. 0.16 min
 Lab File: VU027959.D
 Acq: 05 Nov 2018 15:55

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#14

Tot Ion: 75 Resp: 1413
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 46.2 42.6 64.0



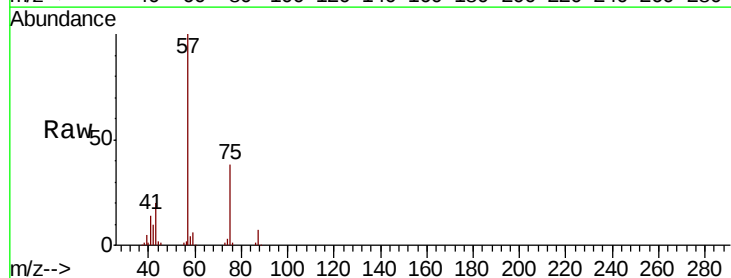
Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0
 Ion 39.00 (38.70 to 39.70): VU0



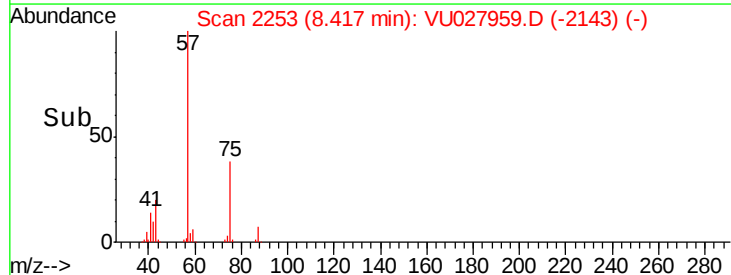
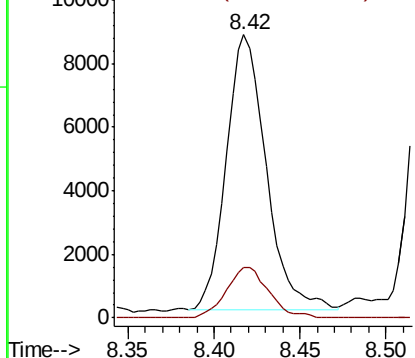
#59

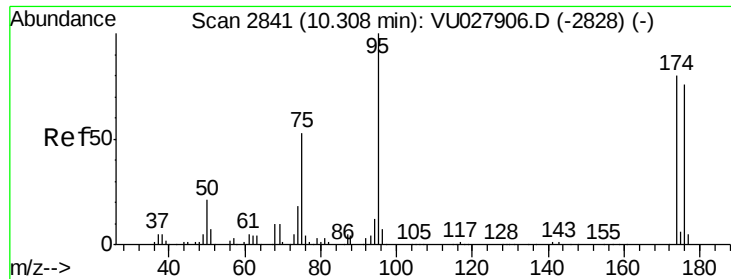
2-Hexanone
 Concen: 3.248 ug/l
 RT: 8.42 min Scan# 2253
 Delta R.T. 0.05 min
 Lab File: VU027959.D
 Acq: 05 Nov 2018 15:55

Tgt Ion: 43 Resp: 13960
 Ion Ratio Lower Upper
 43 100
 58 19.5 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: 48.754 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027959.D

Acq: 05 Nov 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#14

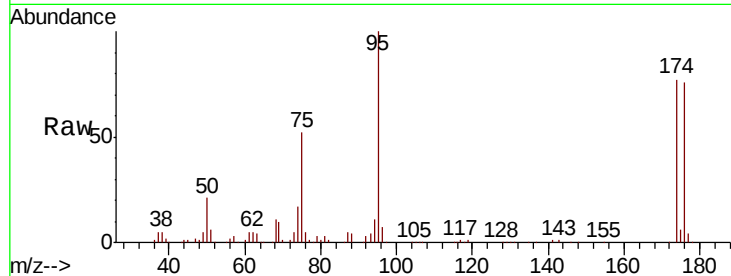
Tot Ion: 95 Resp: 151594

Ion Ratio Lower Upper

95 100

174 77.6 0.0 156.4

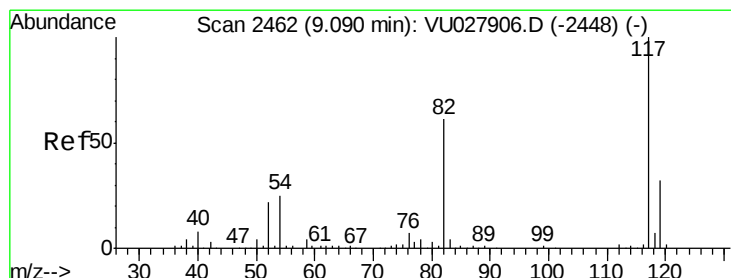
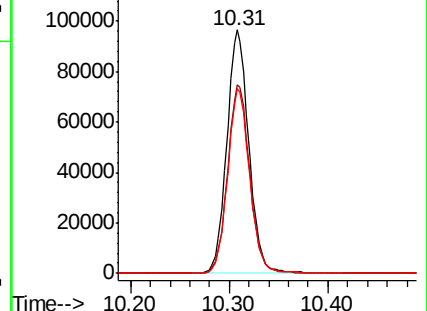
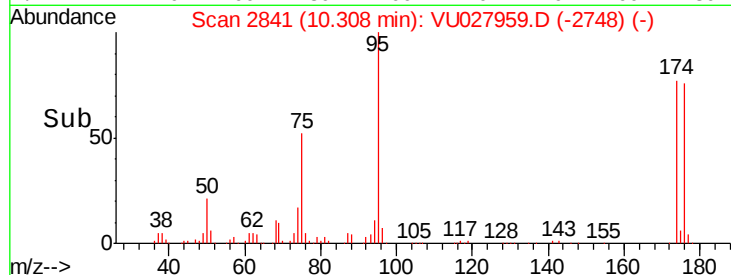
176 75.8 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027959.D

Acq: 05 Nov 2018 15:55

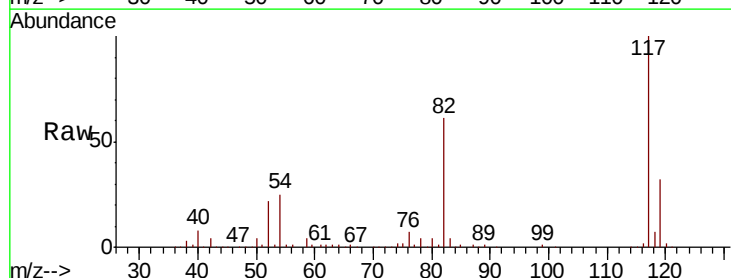
Tgt Ion: 117 Resp: 313433

Ion Ratio Lower Upper

117 100

82 60.9 48.6 73.0

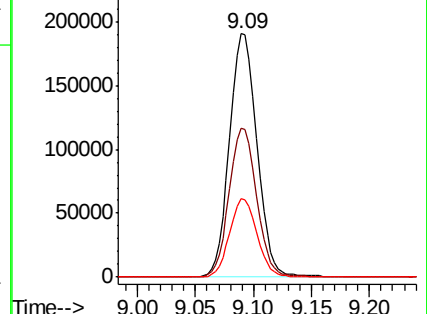
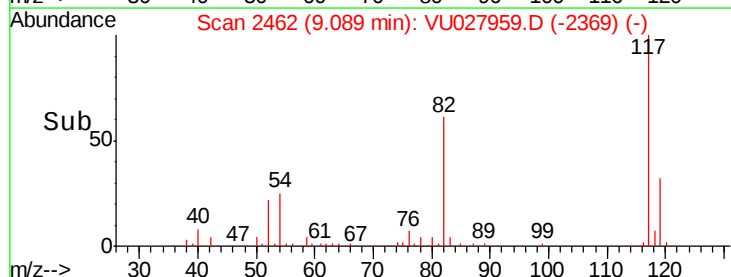
119 32.0 25.8 38.8

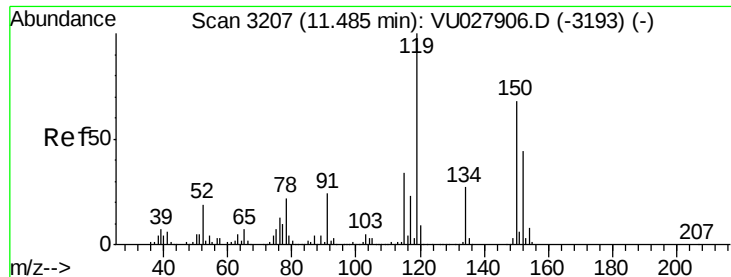


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



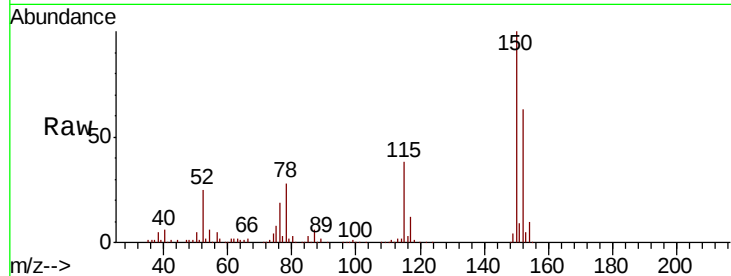


#72

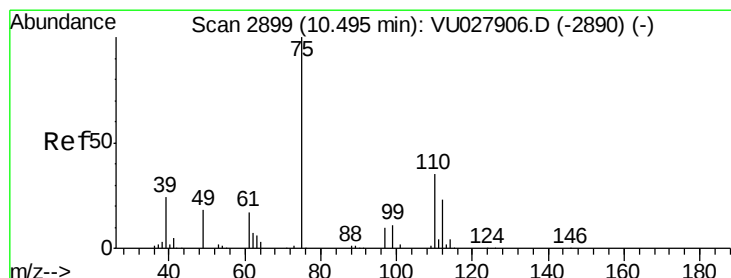
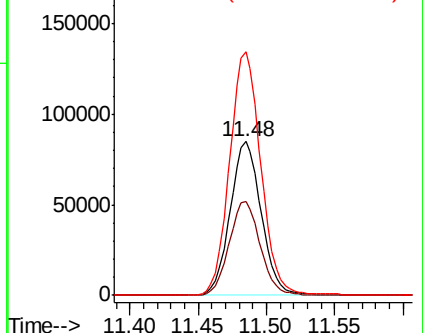
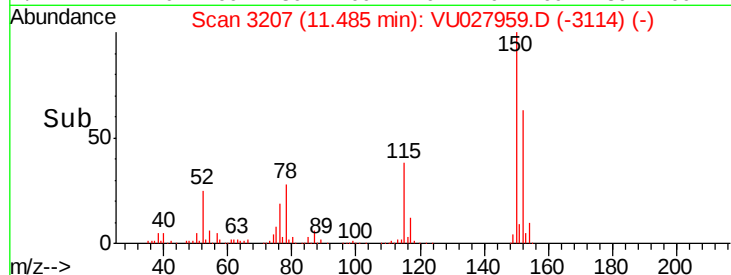
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027959.D
Acq: 05 Nov 2018 15:55

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#14

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.1	43.0	129.0
150	159.2	0.0	349.4



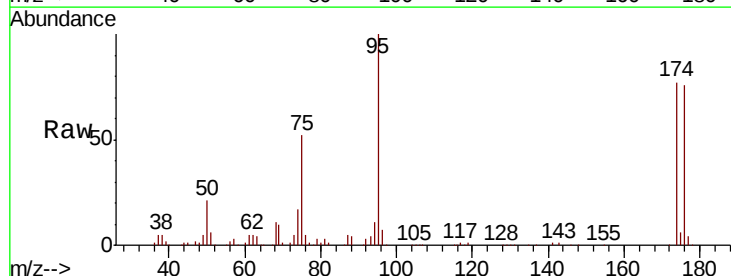
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



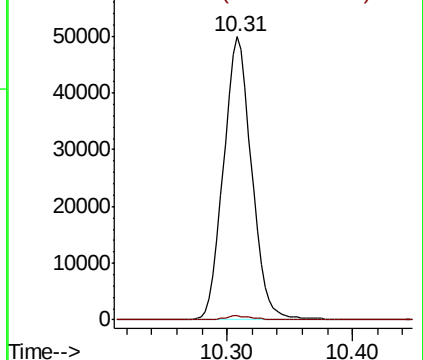
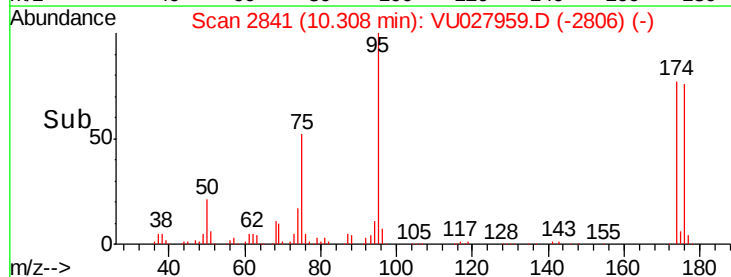
#76

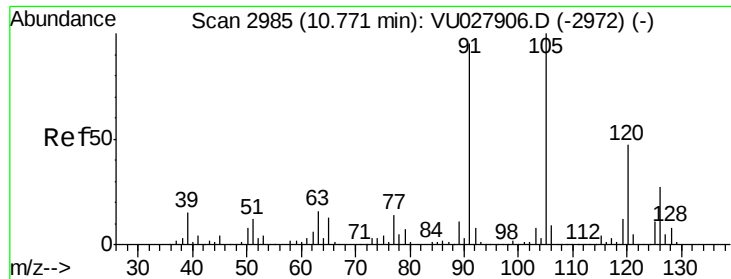
1,2,3-Trichloropropane
Concen: 21.250 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU027959.D
Acq: 05 Nov 2018 15:55

Tgt 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





#80

1,3,5-Trimethylbenzene

Concen: 0.227 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027959.D

Acq: 05 Nov 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

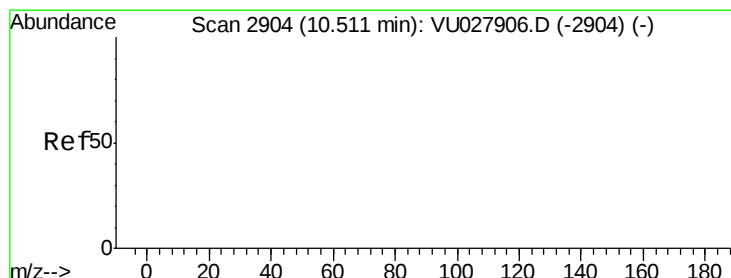
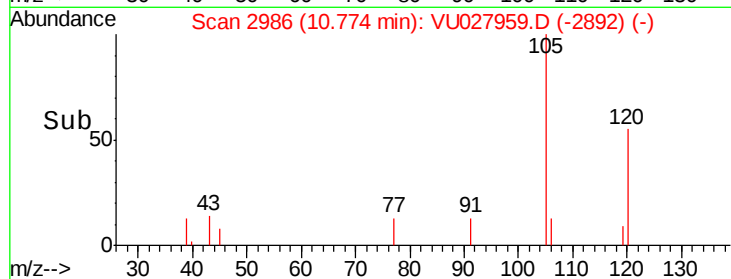
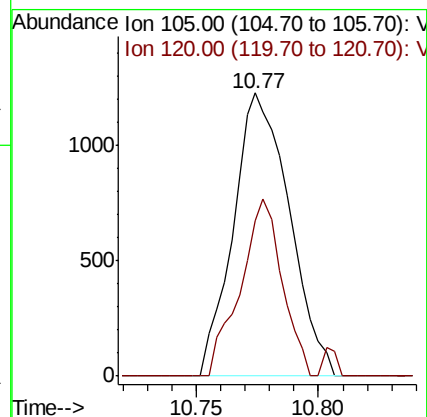
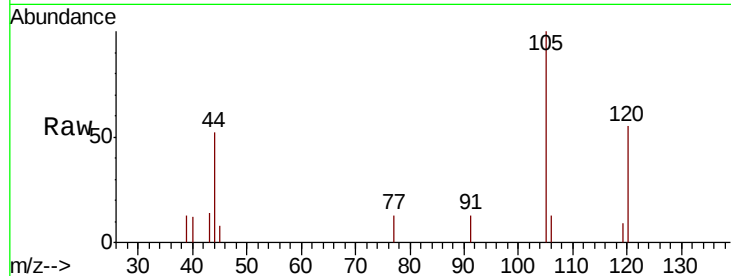
PB114473ZHE#14

Tot Ion:105 Resp: 1954

Ion Ratio Lower Upper

105 100

120 46.6 23.3 69.9



#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: VU027959.D

Acq: 05 Nov 2018 15:55

Tgt Ion: 75 Resp: 78099

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

