

Data File : VU027002.D
Acq On : 22 Sep 2018 07:18
Operator : MD/SY
Sample : J4934-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ133I-20180912

Quant Time: Sep 24 02:45:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	70302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	142315	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	145781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	69882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	86216	60.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.86%	
35) Dibromofluoromethane	4.88	113	64921	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
50) Toluene-d8	7.57	98	233987	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	10.31	95	78322	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	

Target Compounds

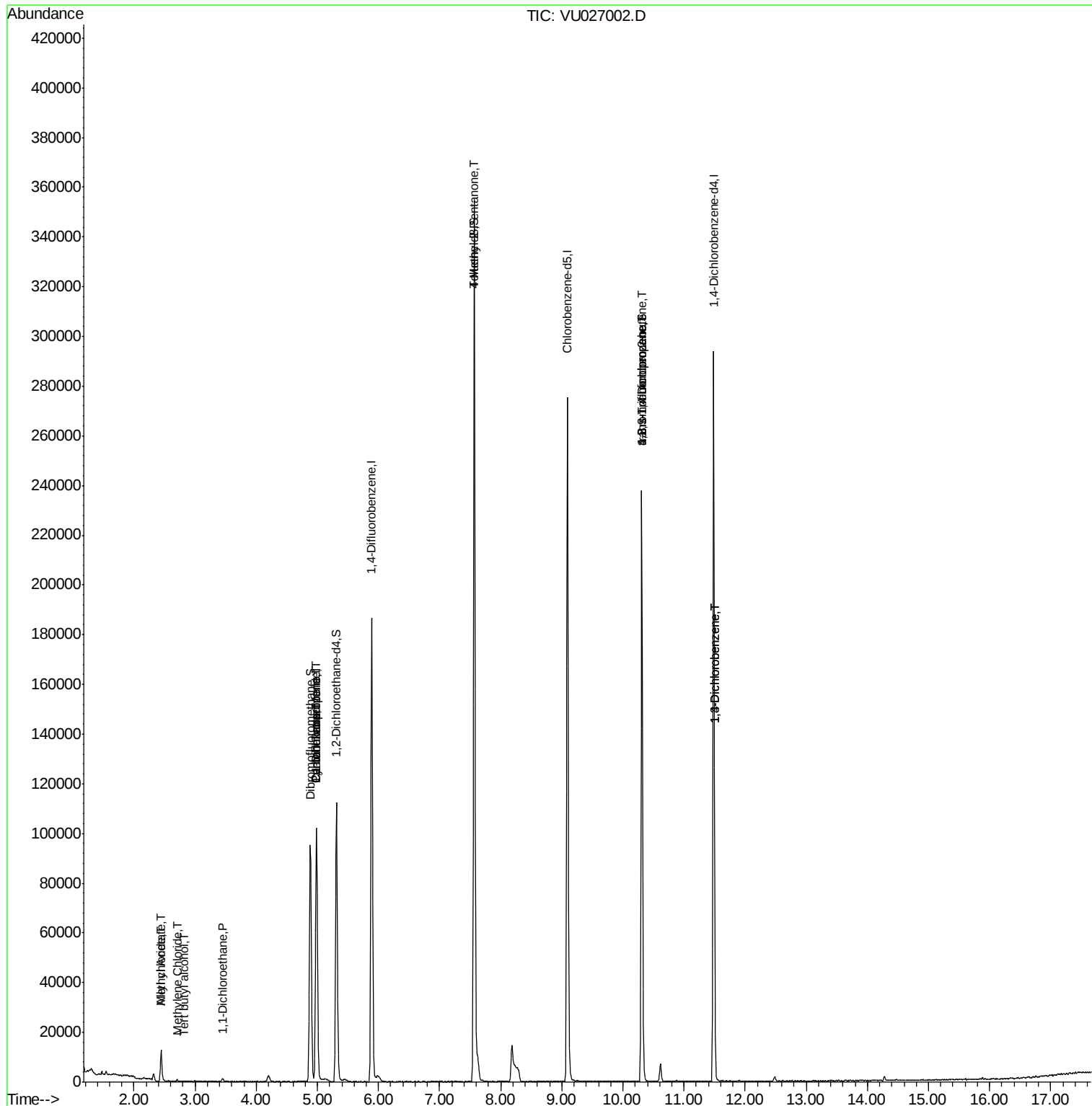
					Qvalue	
11) Tert butyl alcohol	2.83	59	122	0.376	ug/l #	72
14) Allyl chloride	2.44	41	1266	0.643	ug/l #	60
16) Acetone	2.32	43	2581	Below Cal		99
18) Methyl Acetate	2.44	43	3206	1.592	ug/l #	55
20) Methylene Chloride	2.70	84	263	0.208	ug/l #	71
24) 1,1-Dichloroethane	3.45	63	1791	0.772	ug/l #	84
31) Cyclohexane	4.98	56	1762	0.264	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	6699	3.527	ug/l #	49
38) Carbon Tetrachloride	4.98	117	7637	4.225	ug/l #	19
51) 4-Methyl-2-Pentanone	7.57	43	1031	0.409	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	42569	20.051	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	42569	64.168	ug/l #	100
87) 1,3-Dichlorobenzene	11.51	146	537	0.222	ug/l #	51
88) 1,4-Dichlorobenzene	11.51	146	537	0.204	ug/l #	51

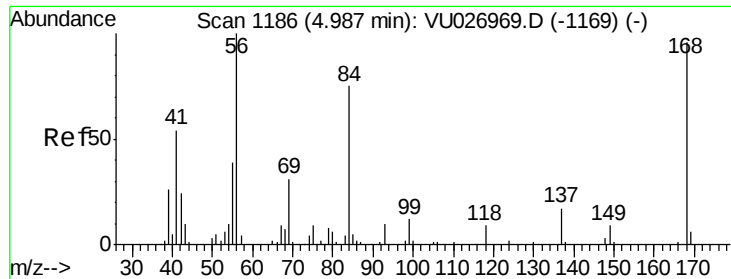
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU027002.D
Acq On : 22 Sep 2018 07:18
Operator : MD/SY
Sample : J4934-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ133I-20180912

Quant Time: Sep 24 02:45:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 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: VU027002.D

Acq: 22 Sep 2018 07:18

Instrument :

MSVOA_U

ClientSampleId :

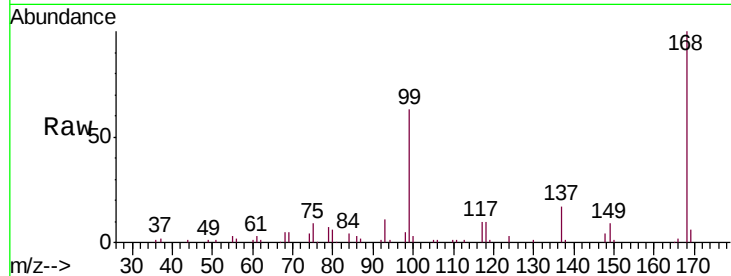
SA-PZ133I-20180912

Tgt Ion:168 Resp: 70302

Ion Ratio Lower Upper

168 100

99 63.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

30000

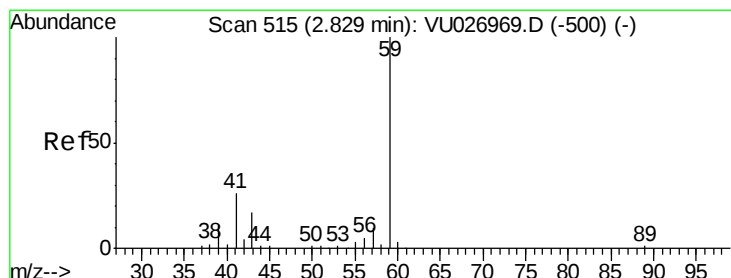
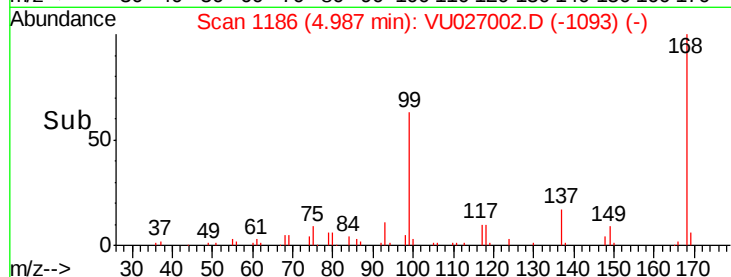
20000

10000

0

Time-->

4.90 4.95 5.00 5.05



#11

Tert butyl alcohol

Concen: 0.376 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU027002.D

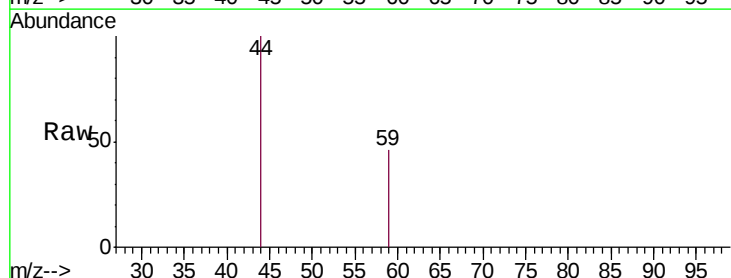
Acq: 22 Sep 2018 07:18

Tgt Ion: 59 Resp: 122

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU026969.D (-500) (-)

2.83

150

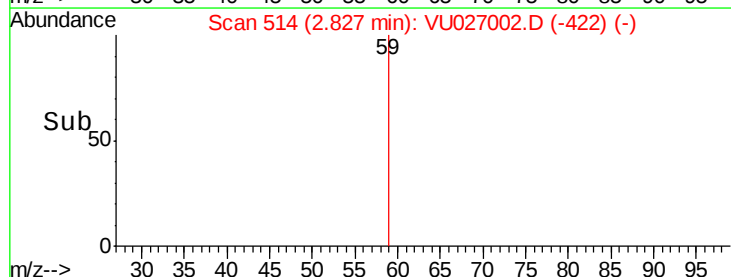
100

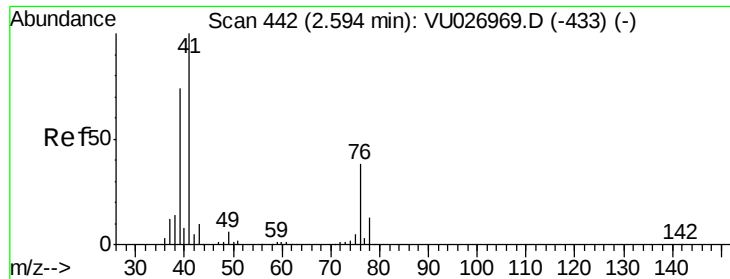
50

0

Time-->

2.81 2.82 2.83 2.84

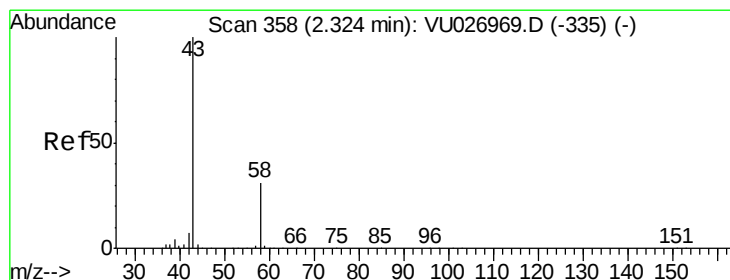
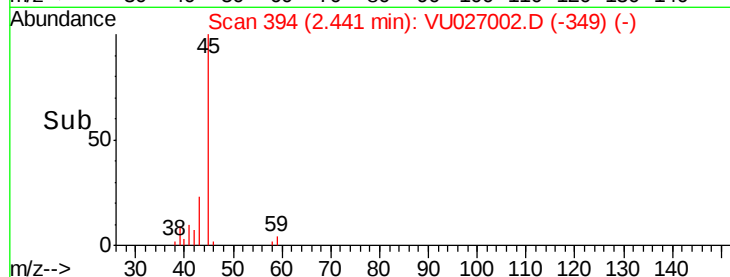
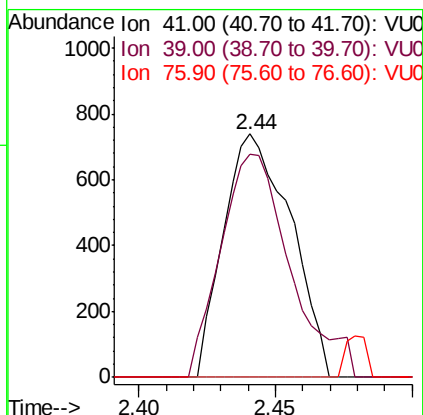
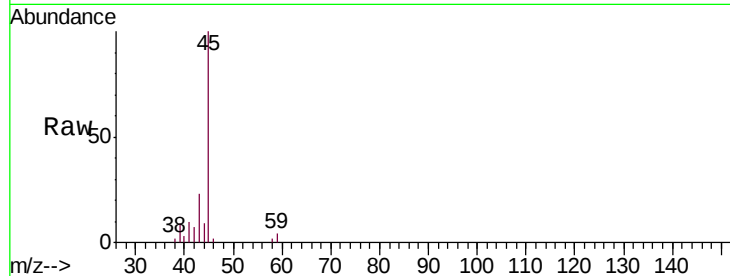




#14
 Allyl chloride
 Concen: 0.643 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027002.D
 Acq: 22 Sep 2018 07:18

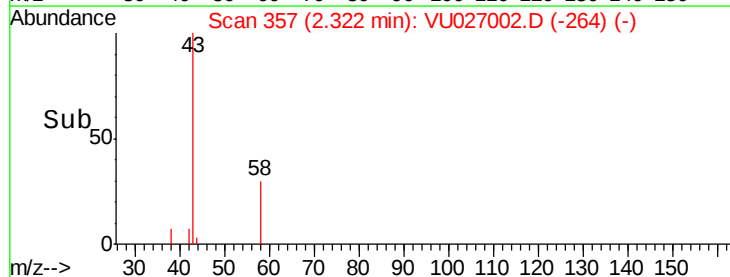
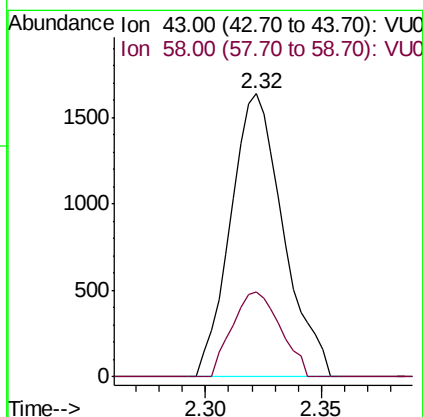
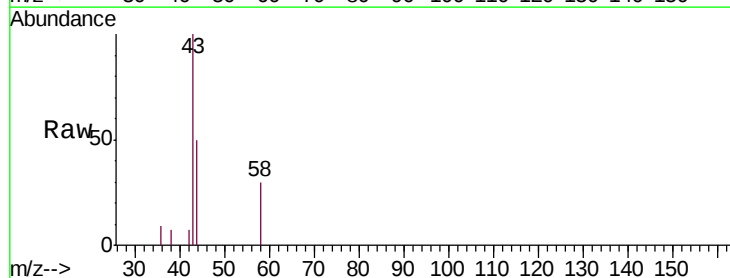
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ133I-20180912

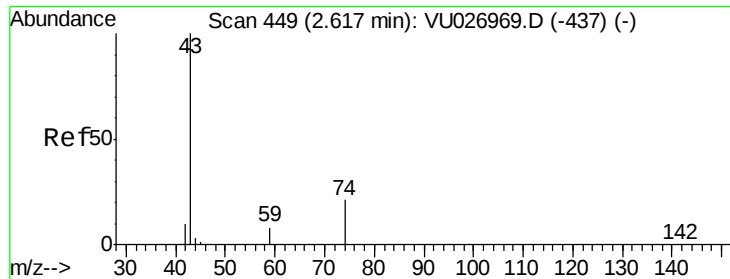
Tgt Ion: 41 Resp: 1266
 Ion Ratio Lower Upper
 41 100
 39 94.9 55.7 83.5#
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027002.D
 Acq: 22 Sep 2018 07:18

Tgt Ion: 43 Resp: 2581
 Ion Ratio Lower Upper
 43 100
 58 30.2 24.6 36.8

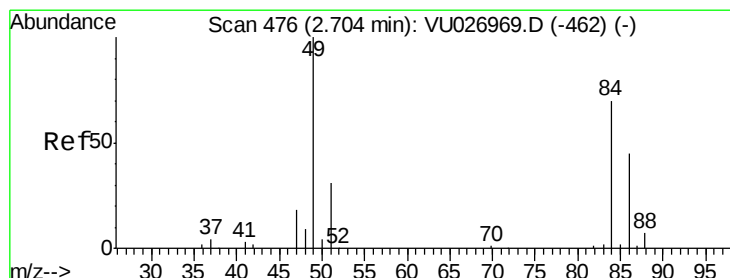
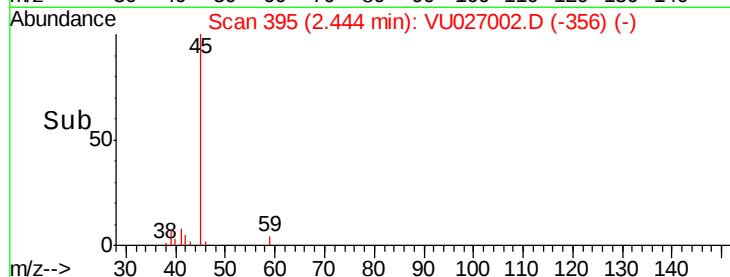
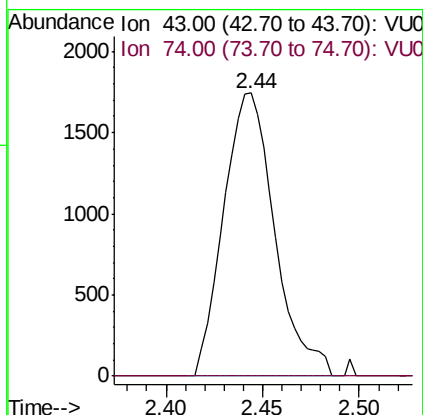
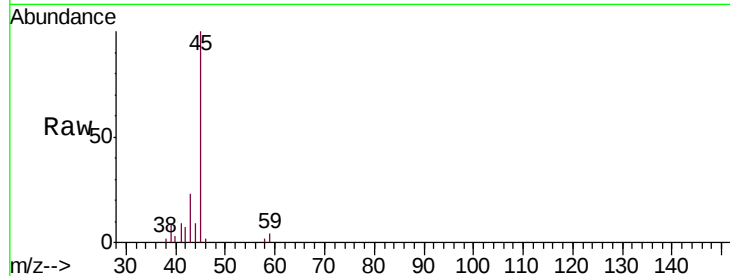




#18
Methyl Acetate
Concen: 1.592 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027002.D
Acq: 22 Sep 2018 07:18

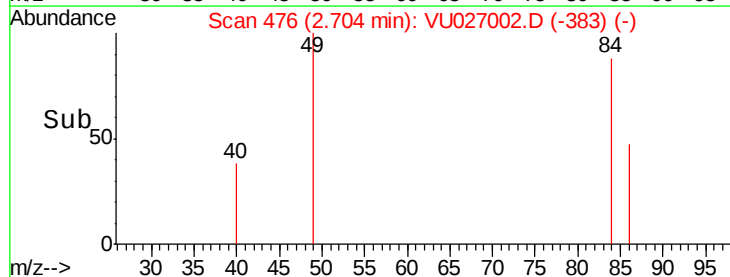
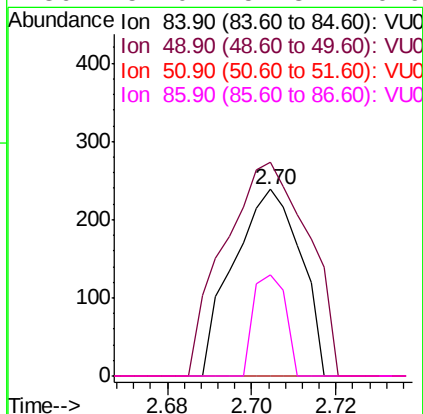
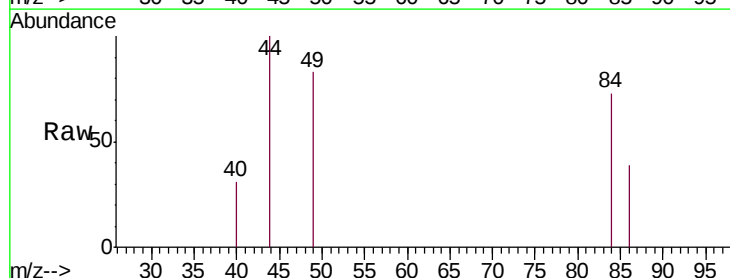
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ133I-20180912

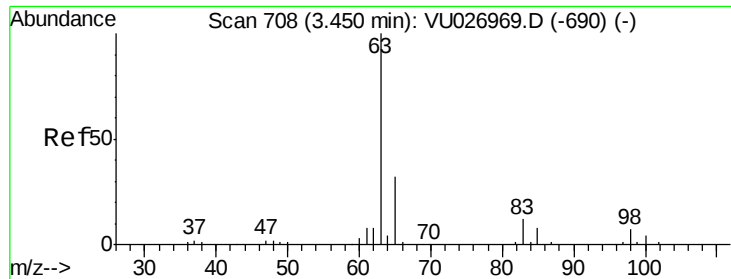
Tgt Ion: 43 Resp: 3206
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 0.208 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027002.D
Acq: 22 Sep 2018 07:18

Tgt Ion: 84 Resp: 263
Ion Ratio Lower Upper
84 100
49 114.2 114.9 172.3#
51 0.0 35.8 53.8#
86 54.0 51.3 76.9

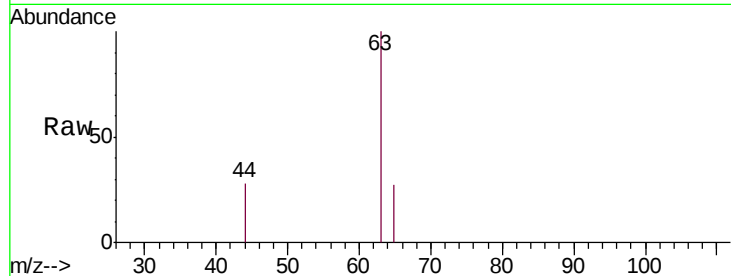




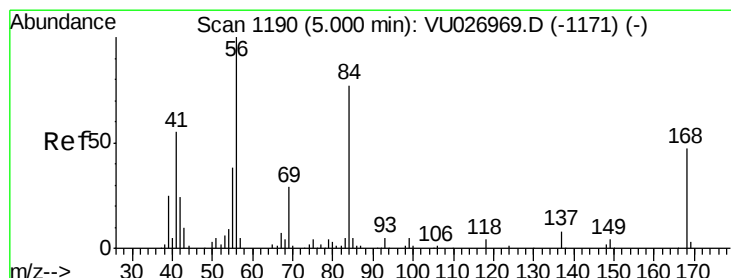
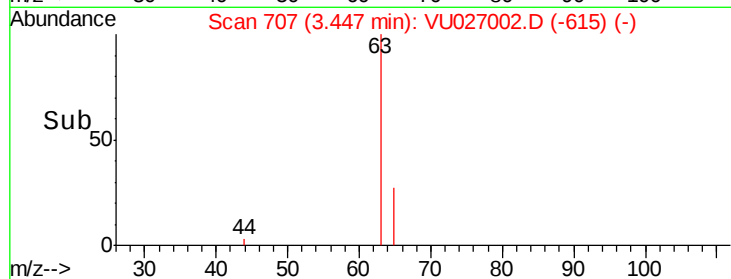
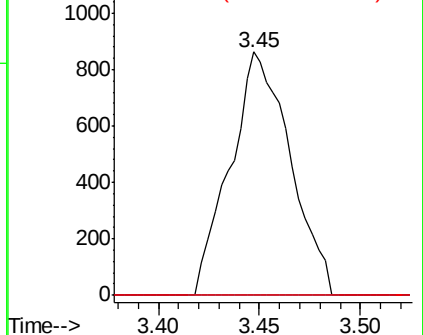
#24
 1,1-Dichloroethane
 Concen: 0.772 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027002.D
 Acq: 22 Sep 2018 07:18

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ133I-20180912

Tgt Ion:	63	Resp:	1791
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.0	5.8#

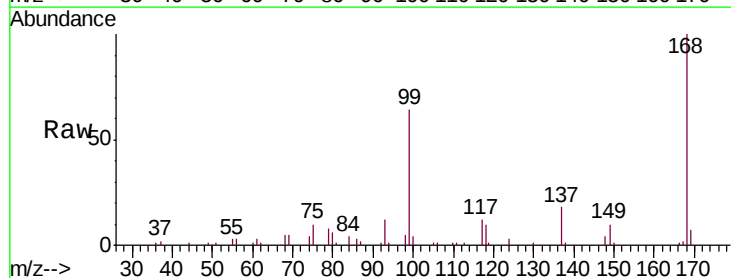


Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0
 Ion 99.90 (99.60 to 100.60): VU0

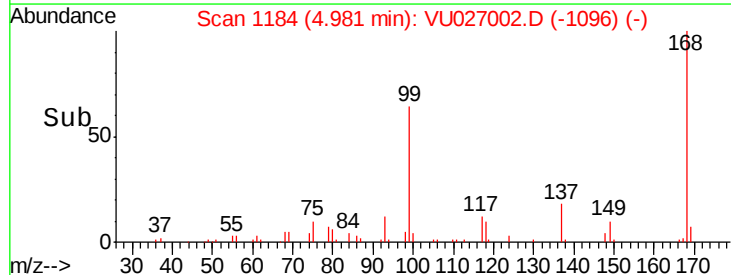
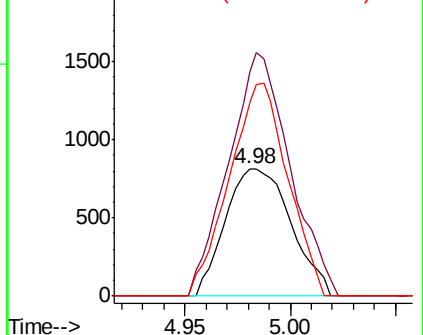


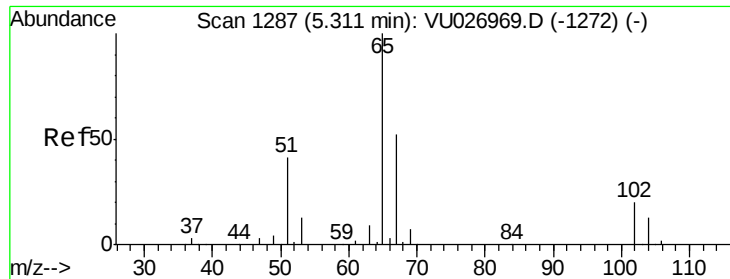
#31
 Cyclohexane
 Concen: 0.264 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: VU027002.D
 Acq: 22 Sep 2018 07:18

Tgt Ion:	56	Resp:	1762
Ion	Ratio	Lower	Upper
56	100		
69	175.7	23.0	34.4#
84	151.8	61.4	92.2#



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

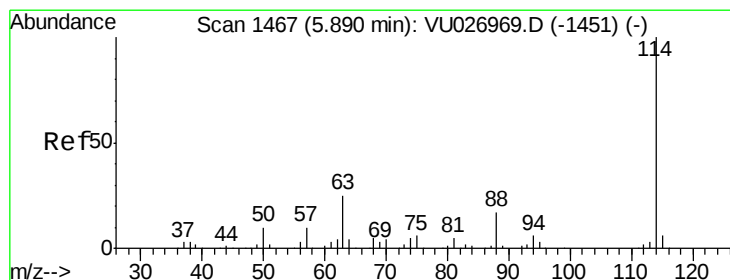
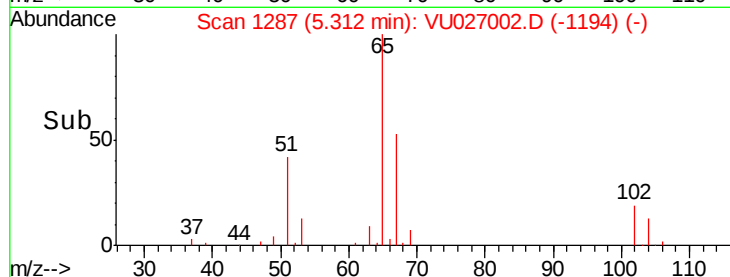
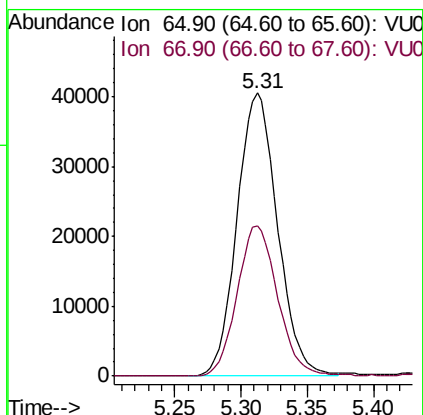
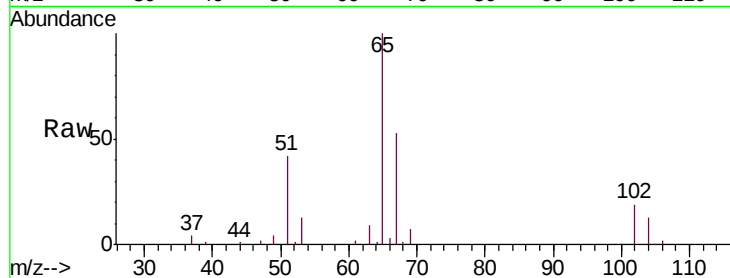




#33
 1,2-Dichloroethane-d4
 Concen: 60.932 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027002.D
 Acq: 22 Sep 2018 07:18

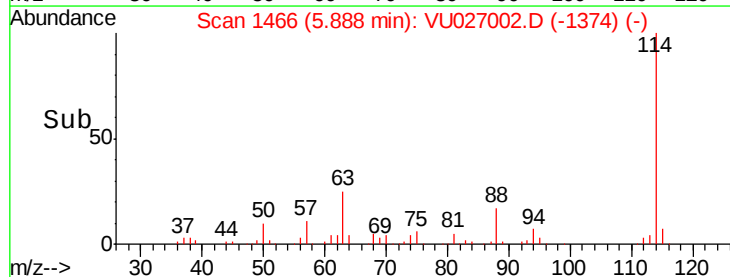
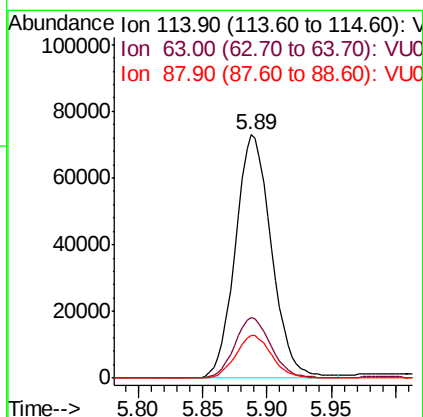
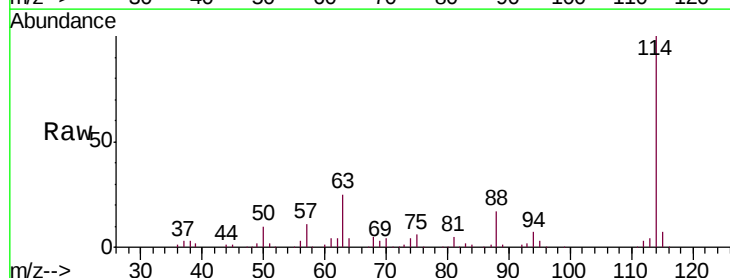
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ133I-20180912

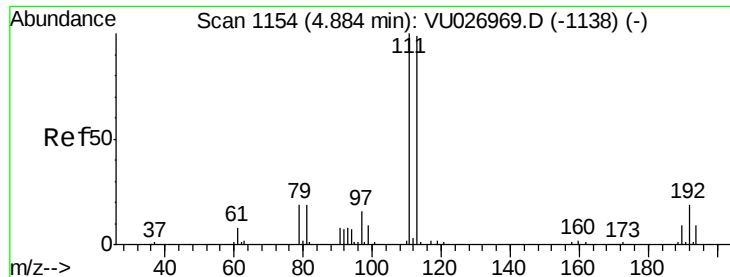
Tgt Ion: 65 Resp: 86216
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027002.D
 Acq: 22 Sep 2018 07:18

Tgt Ion: 114 Resp: 142315
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 17.5 0.0 33.8

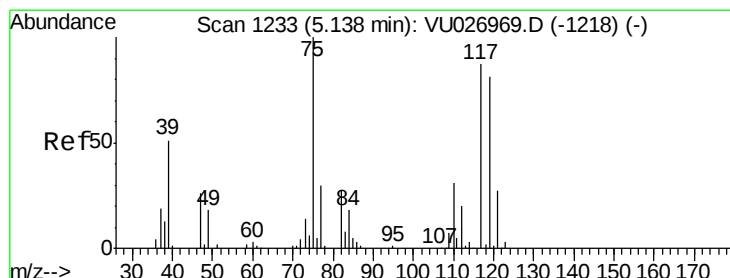
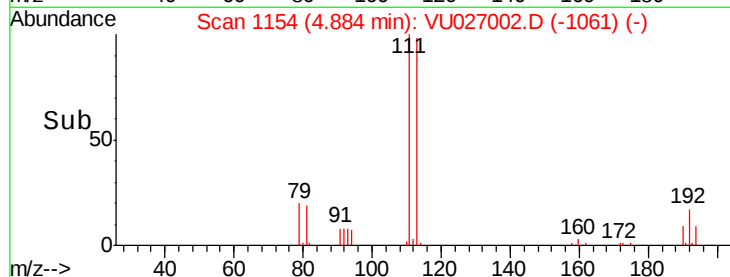
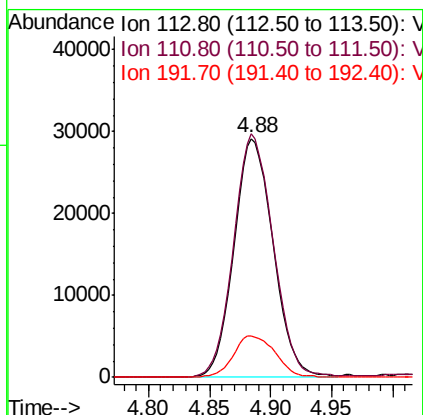
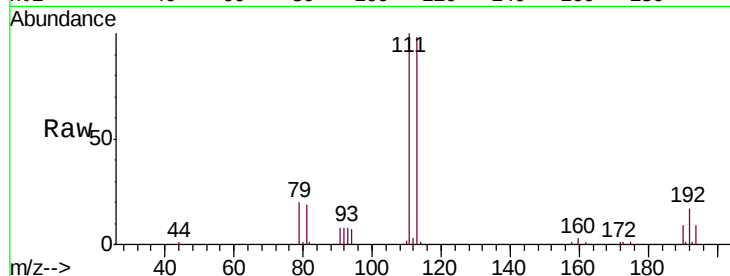




#35
 Dibromofluoromethane
 Concen: 52.628 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027002.D
 Acq: 22 Sep 2018 07:18

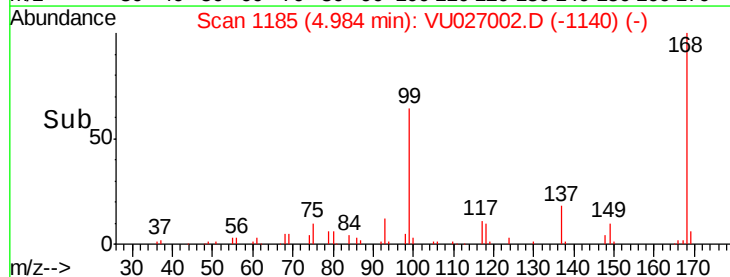
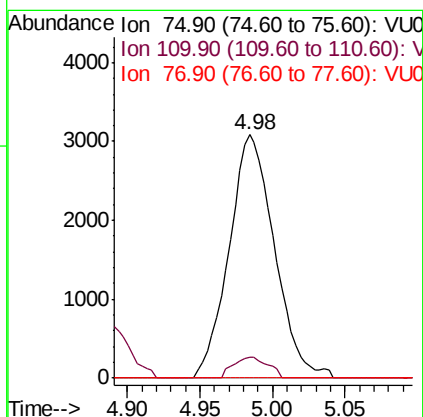
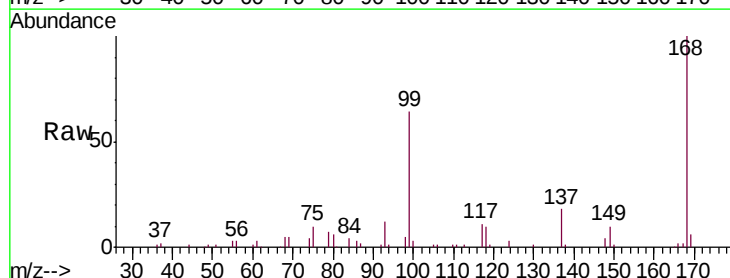
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ133I-20180912

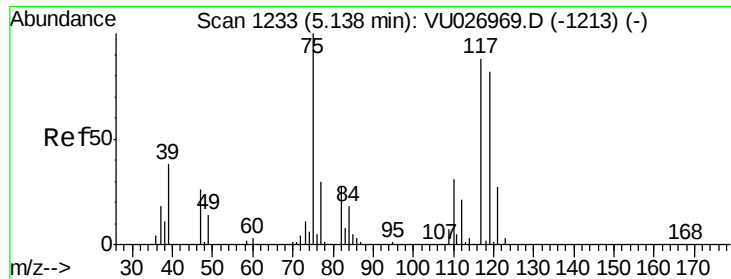
Tgt Ion:113 Resp: 64921
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.4
 192 18.6 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 3.527 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027002.D
 Acq: 22 Sep 2018 07:18

Tgt Ion: 75 Resp: 6699
 Ion Ratio Lower Upper
 75 100
 110 6.5 16.1 48.2#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.225 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027002.D

Acq: 22 Sep 2018 07:18

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ133I-20180912

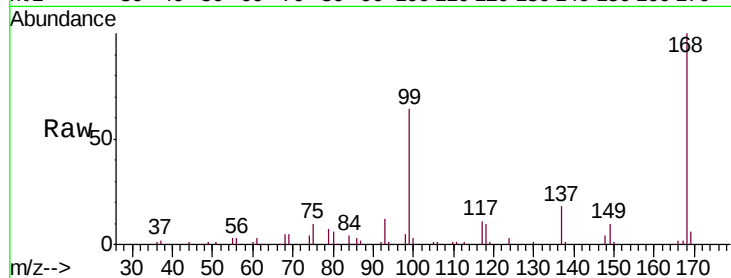
Tgt Ion:117 Resp: 7637

Ion Ratio Lower Upper

117 100

119 7.1 74.4 111.6#

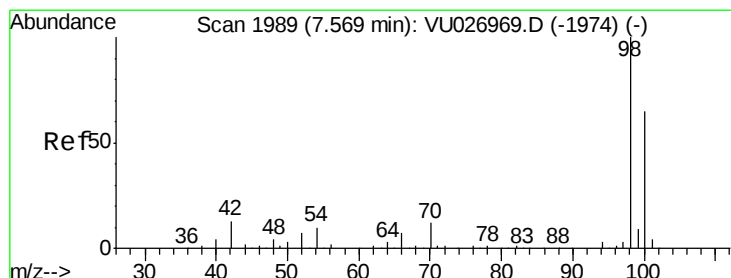
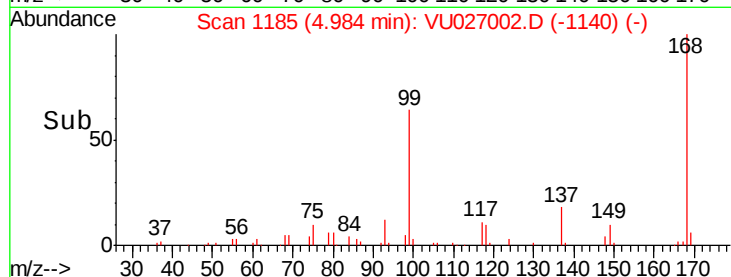
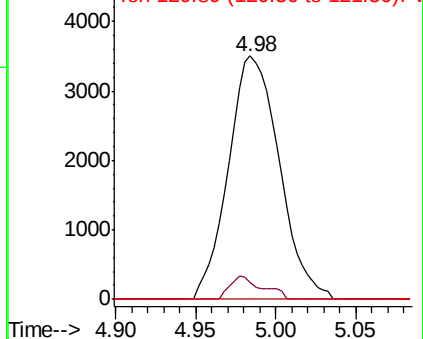
121 0.0 24.2 36.4#



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



#50

Toluene-d8

Concen: 49.771 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027002.D

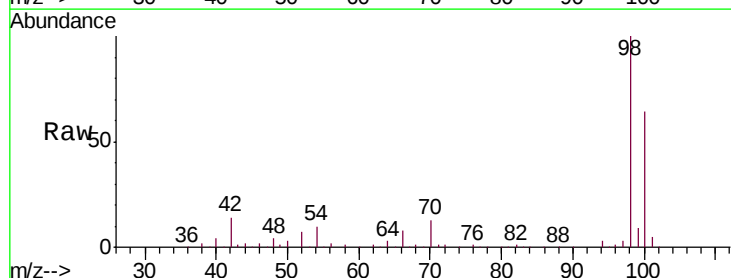
Acq: 22 Sep 2018 07:18

Tgt Ion: 98 Resp: 233987

Ion Ratio Lower Upper

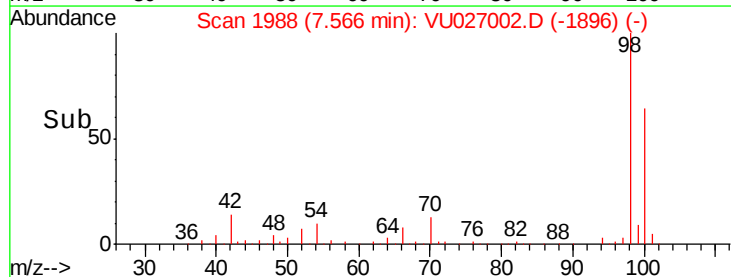
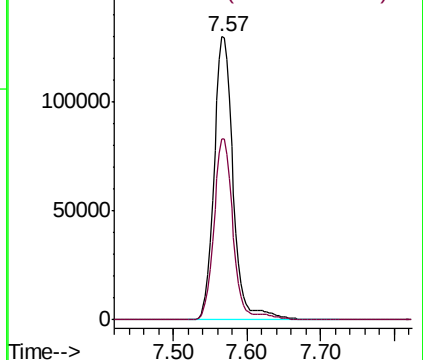
98 100

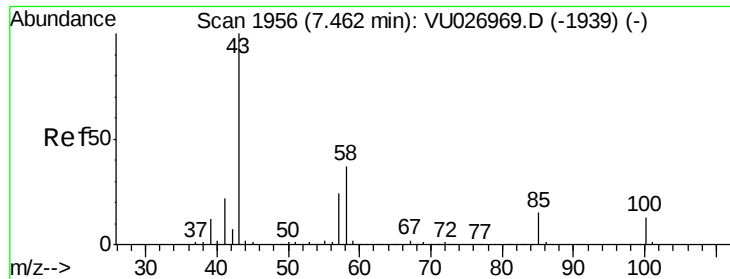
100 64.3 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.409 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027002.D

Acq: 22 Sep 2018 07:18

Instrument :

MSVOA_U

ClientSampleId :

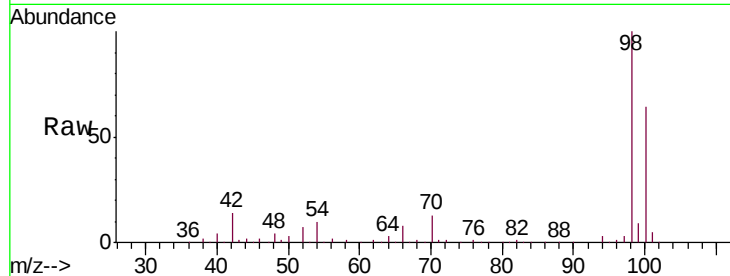
SA-PZ133I-20180912

Tgt Ion: 43 Resp: 1031

Ion Ratio Lower Upper

43 100

58 198.4 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

1500

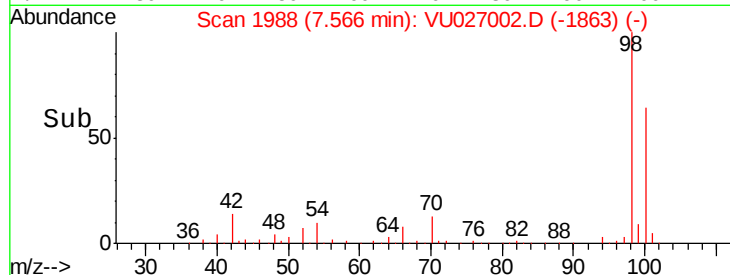
1000

500

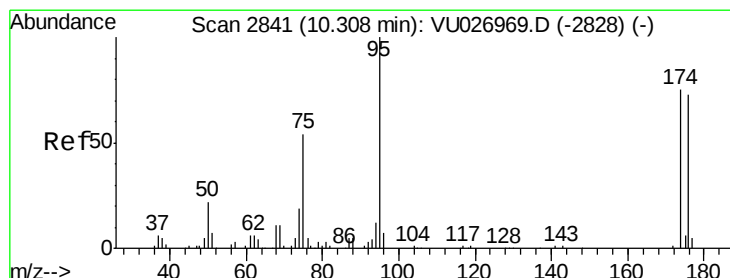
0

7.52 7.54 7.56 7.58 7.60

7.57



Time-->



#62

4-Bromofluorobenzene

Concen: 48.552 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027002.D

Acq: 22 Sep 2018 07:18

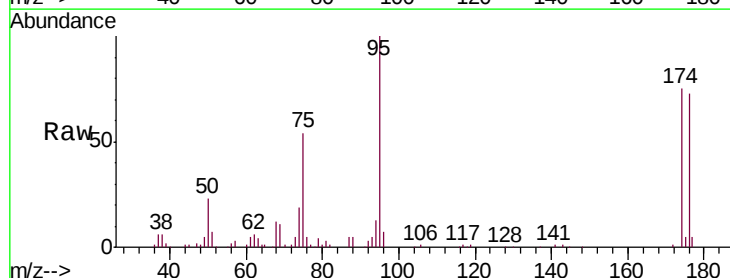
Tgt Ion: 95 Resp: 78322

Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.2

176 72.1 0.0 145.2



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

60000

50000

40000

30000

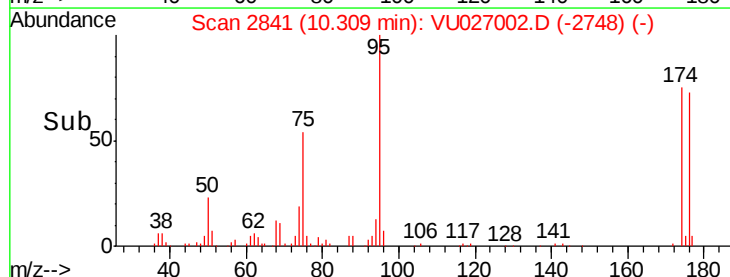
20000

10000

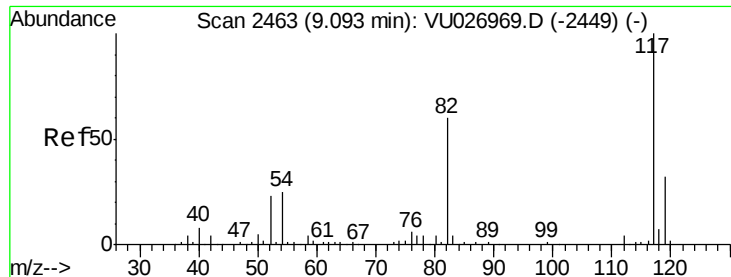
0

10.30 10.31 10.32 10.33 10.34 10.35 10.36 10.37 10.38 10.39 10.40

10.31



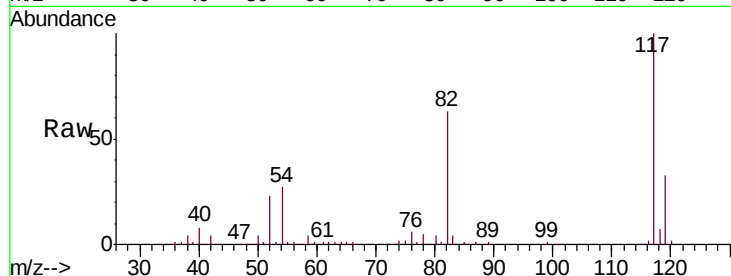
Time-->



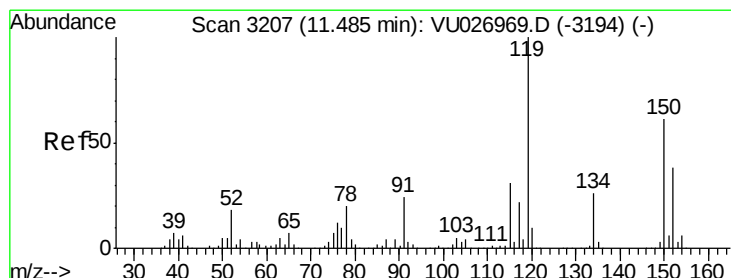
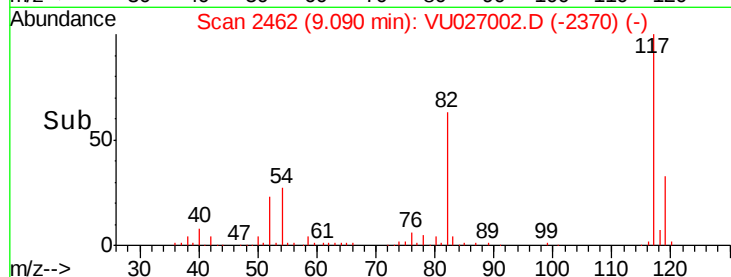
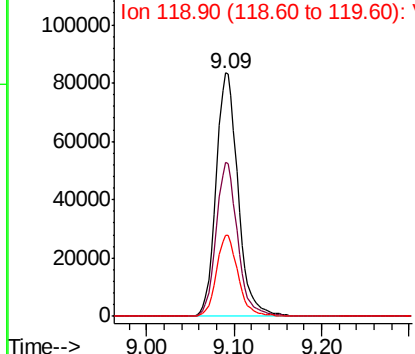
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU027002.D
 Acq: 22 Sep 2018 07:18

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ133I-20180912

Tgt Ion:117 Resp: 145781
 Ion Ratio Lower Upper
 117 100
 82 63.3 48.0 72.0
 119 33.5 25.8 38.8

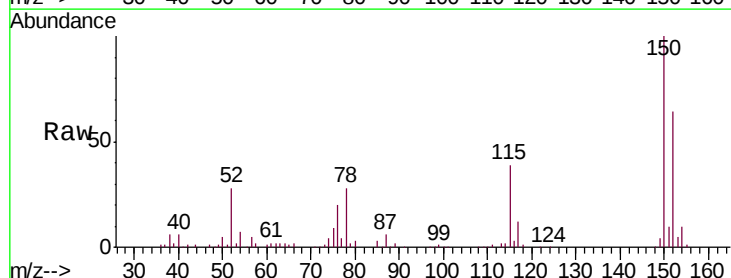


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VU0
 Ion 118.90 (118.60 to 119.60): V

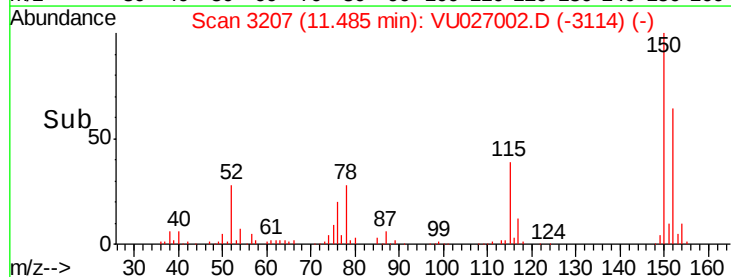
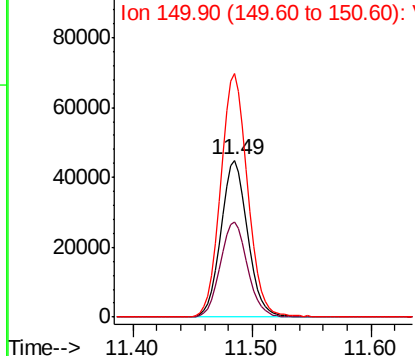


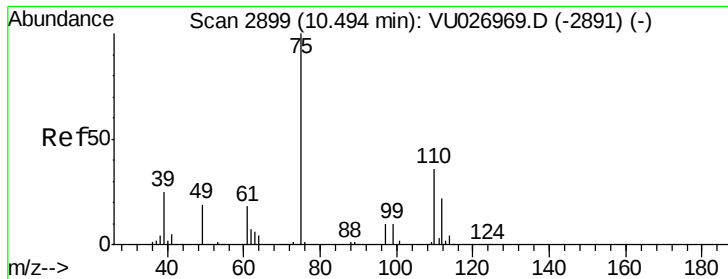
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU027002.D
 Acq: 22 Sep 2018 07:18

Tgt Ion:152 Resp: 69882
 Ion Ratio Lower Upper
 152 100
 115 61.6 44.9 134.5
 150 157.0 0.0 355.8



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: 20.051 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027002.D

Acq: 22 Sep 2018 07:18

Instrument :

MSVOA_U

ClientSampleId :

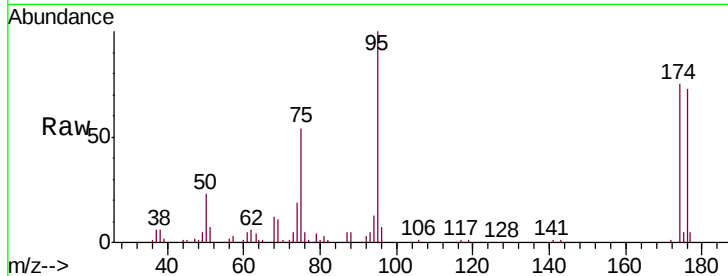
SA-PZ133I-20180912

Tgt Ion: 75 Resp: 42569

Ion Ratio Lower Upper

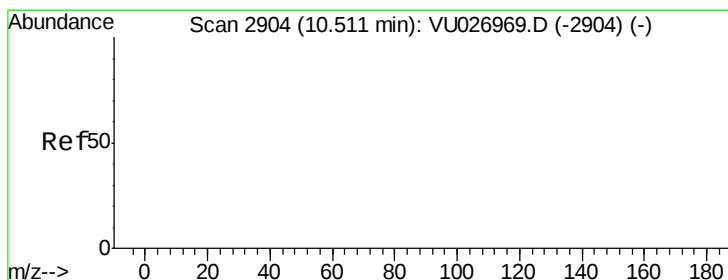
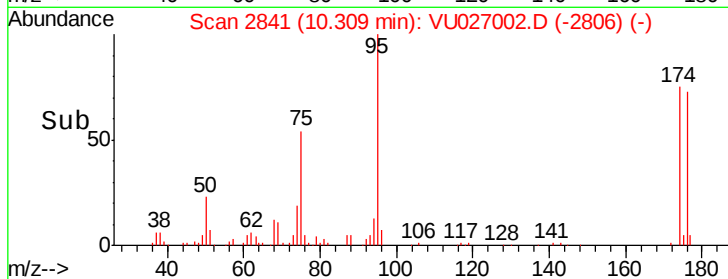
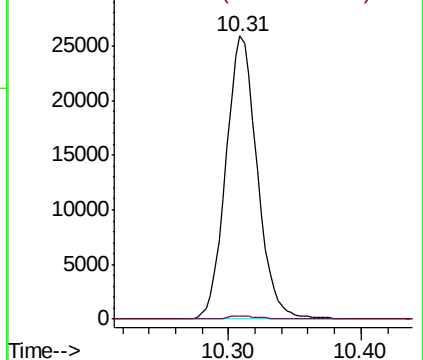
75 100

77 1.0 20.9 62.8#



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: 64.168 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027002.D

Acq: 22 Sep 2018 07:18

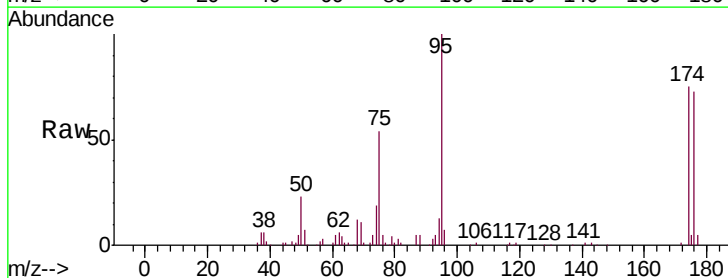
Tgt Ion: 75 Resp: 42569

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

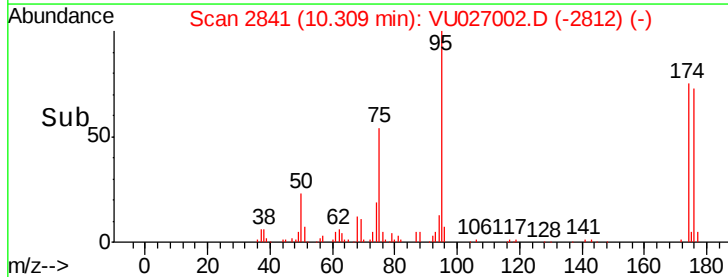
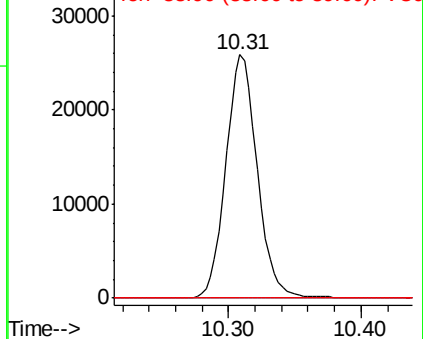
89 0.0 0.0 0.0

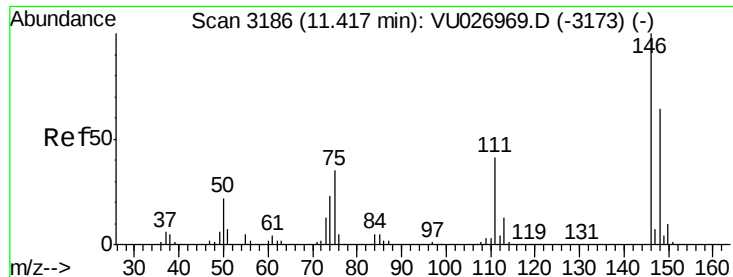


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#87

1,3-Dichlorobenzene

Concen: 0.222 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.09 min

Lab File: VU027002.D

Acq: 22 Sep 2018 07:18

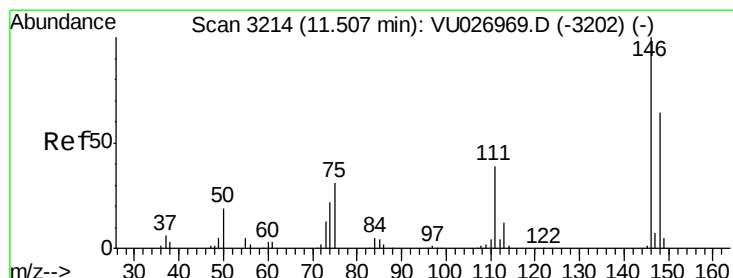
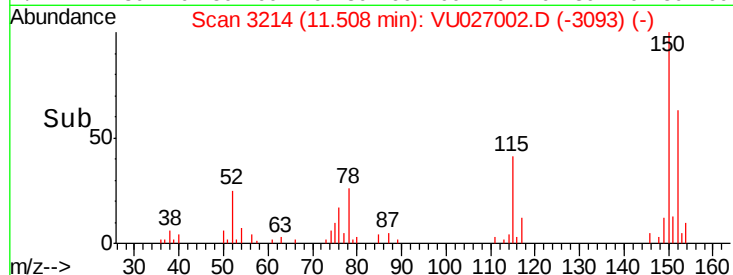
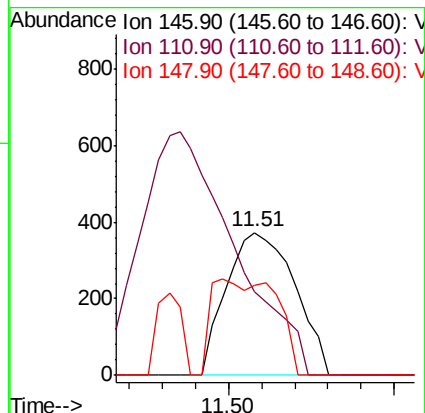
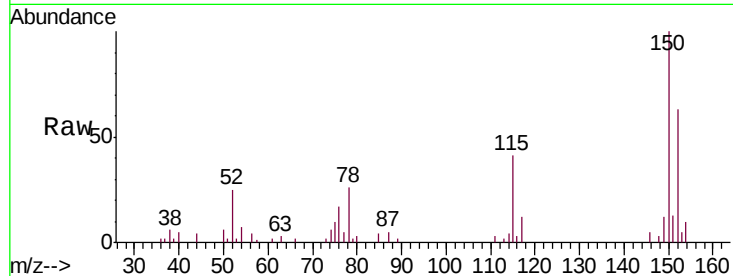
Instrument :

MSVOA_U

ClientSampleId :

SA-PZ133I-20180912

Tgt Ion:	146	Resp:	537
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.8	62.2#
148	34.3	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 0.204 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027002.D

Acq: 22 Sep 2018 07:18

Tgt Ion:	146	Resp:	537
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.3	60.9#
148	34.3	31.9	95.9

