

Data File : VU027053.D
Acq On : 23 Sep 2018 06:30
Operator : MD/SY
Sample : J4963-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 95 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ134I-20180914

Quant Time: Sep 24 05:48:24 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	92270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	156289	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	70469	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	97398	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
35) Dibromofluoromethane	4.88	113	66809	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	7.57	98	252663	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	10.31	95	81779	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	

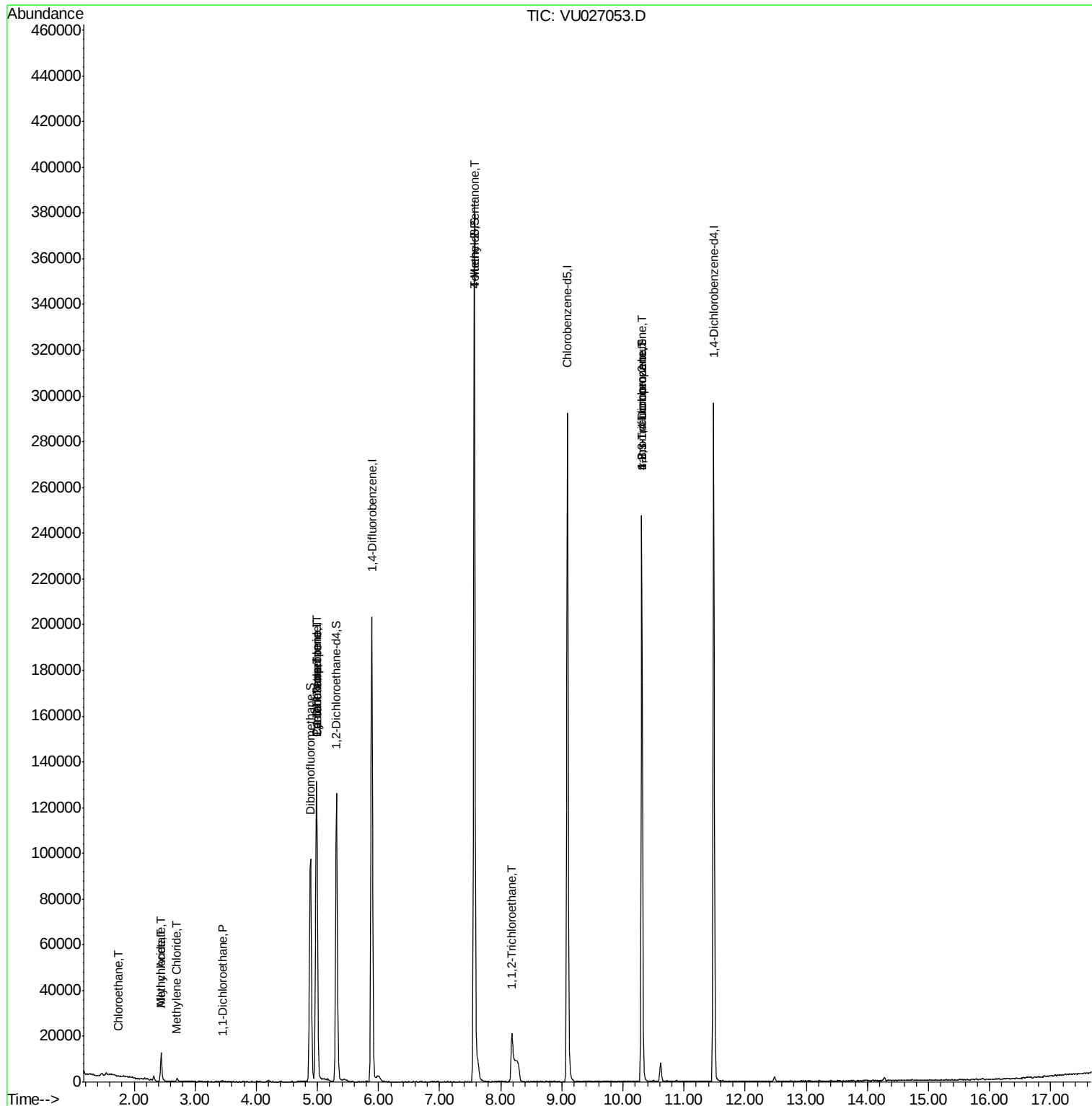
Target Compounds				Qvalue		
6) Chloroethane	1.74	64	251	0.203 ug/l #		43
14) Allyl chloride	2.44	41	1208	0.467 ug/l #		70
16) Acetone	2.32	43	2588	Below Cal		99
18) Methyl Acetate	2.44	43	3135	1.186 ug/l #		55
20) Methylene Chloride	2.71	84	535	0.322 ug/l #		79
24) 1,1-Dichloroethane	3.45	63	636	0.209 ug/l #		84
31) Cyclohexane	4.99	56	2457	0.316 ug/l #		1
36) 1,1-Dichloropropene	4.99	75	9121	4.373 ug/l #		49
38) Carbon Tetrachloride	4.99	117	9888	4.981 ug/l #		19
51) 4-Methyl-2-Pentanone	7.57	43	1253	0.452 ug/l #		1
55) 1,1,2-Trichloroethane	8.18	97	382	0.248 ug/l #		13
76) 1,2,3-Trichloropropane	10.31	75	43392	20.269 ug/l #		35
81) trans-1,4-Dichloro-2-buten	10.31	75	43392	64.864 ug/l #		100

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

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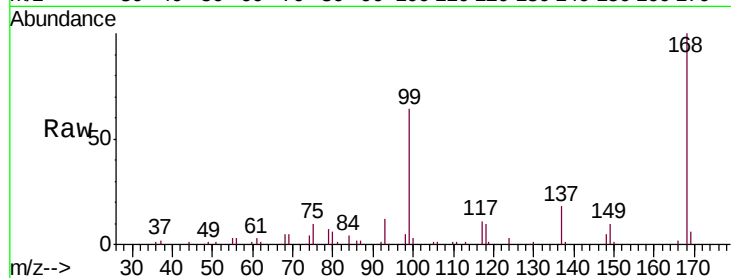




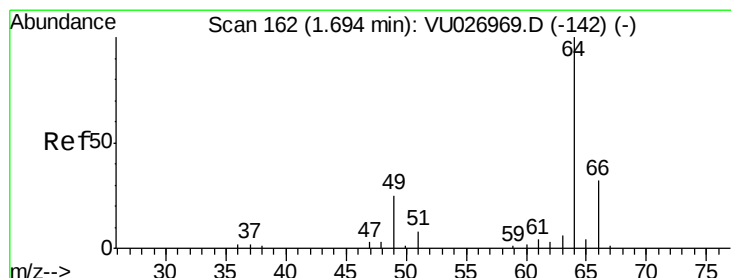
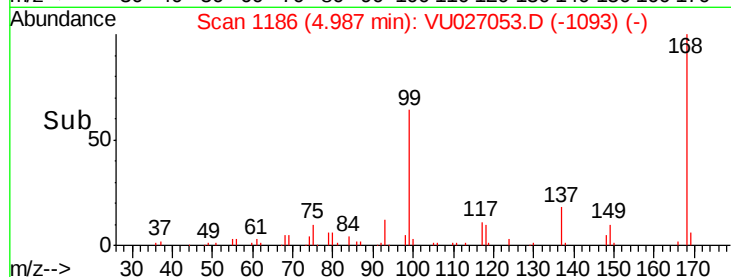
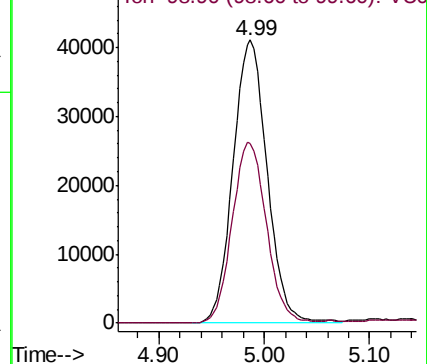
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU027053.D
Acq: 23 Sep 2018 06:30

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ134I-20180914

Tgt Ion:168 Resp: 92270
Ion Ratio Lower Upper
168 100
99 63.6 48.1 72.1

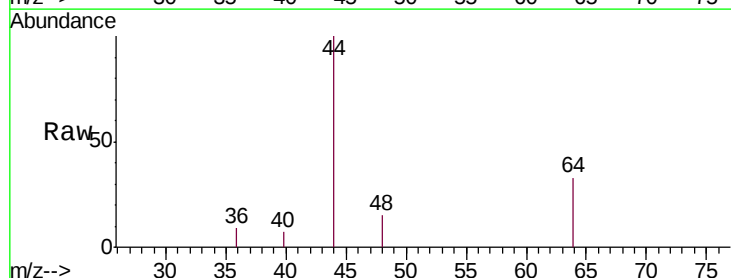


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)
Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

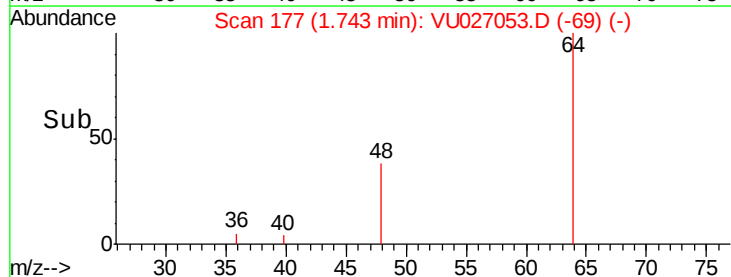
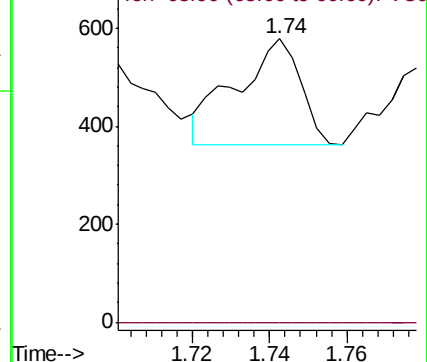


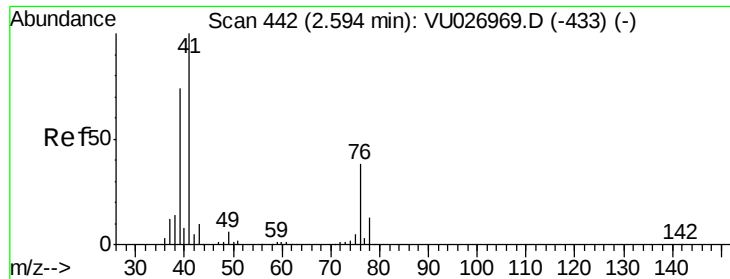
#6
Chloroethane
Concen: 0.203 ug/l
RT: 1.74 min Scan# 177
Delta R.T. 0.05 min
Lab File: VU027053.D
Acq: 23 Sep 2018 06:30

Tgt Ion: 64 Resp: 251
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)
Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

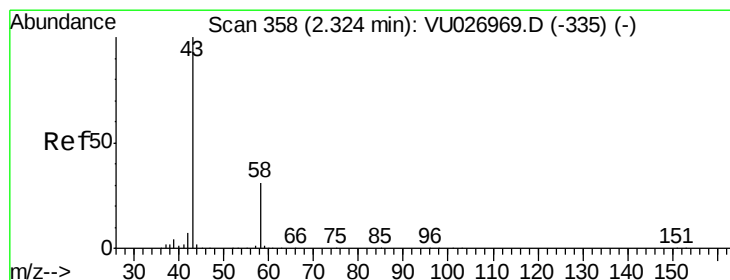
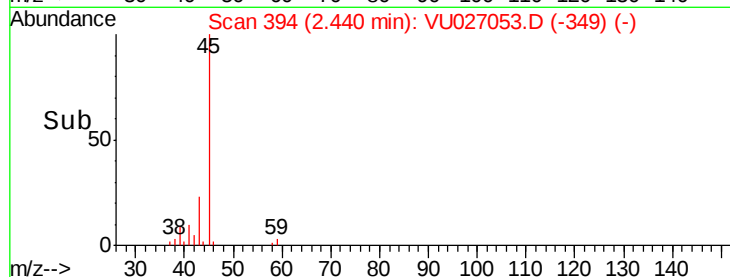
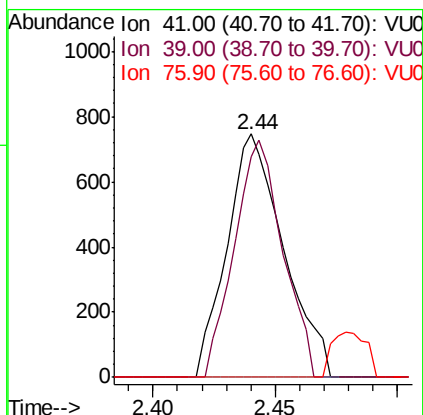
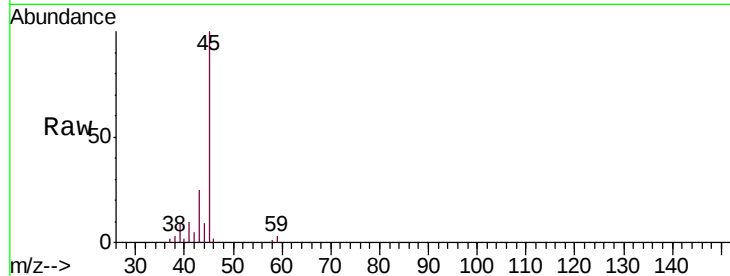




#14
 Allyl chloride
 Concen: 0.467 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027053.D
 Acq: 23 Sep 2018 06:30

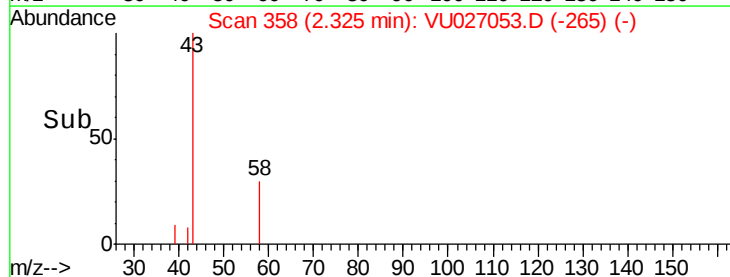
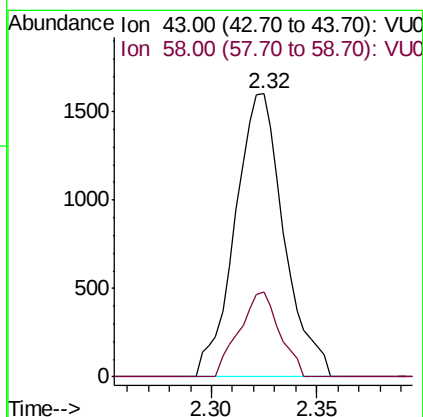
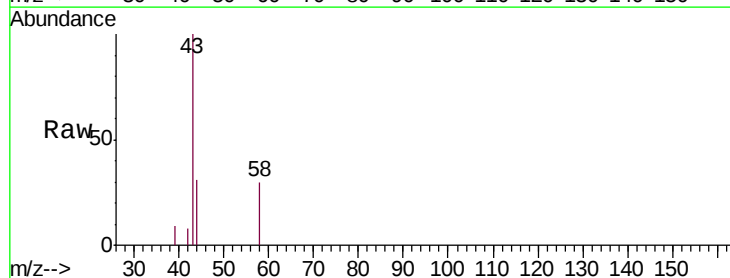
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ134I-20180914

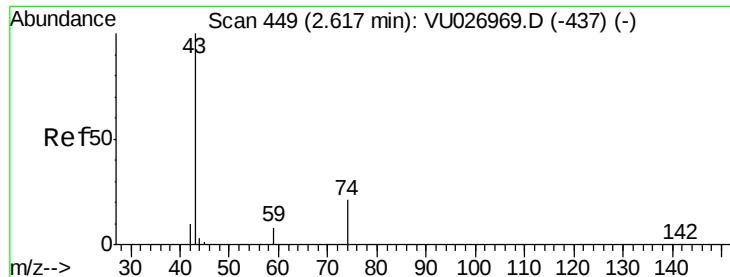
Tgt Ion: 41 Resp: 1208
 Ion Ratio Lower Upper
 41 100
 39 82.9 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU027053.D
 Acq: 23 Sep 2018 06:30

Tgt Ion: 43 Resp: 2588
 Ion Ratio Lower Upper
 43 100
 58 29.9 24.6 36.8

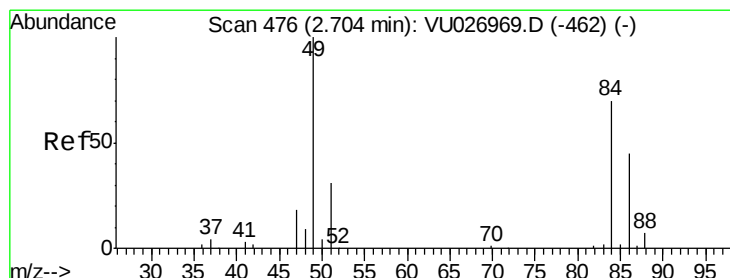
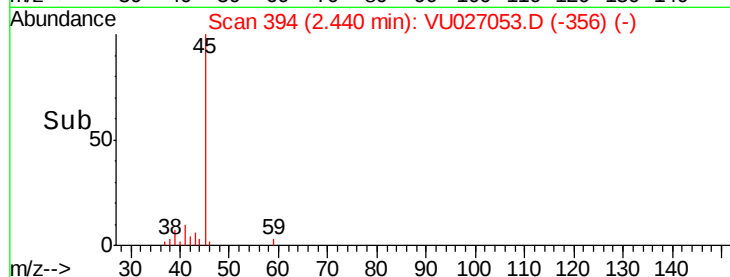
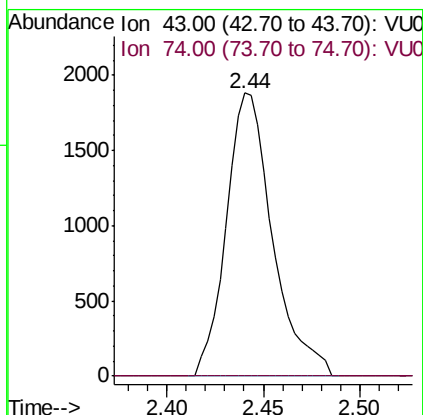
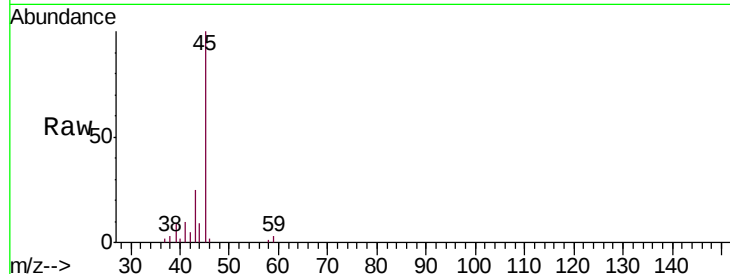




#18
Methyl Acetate
Concen: 1.186 ug/l
RT: 2.44 min Scan# 394
Delta R.T. -0.18 min
Lab File: VU027053.D
Acq: 23 Sep 2018 06:30

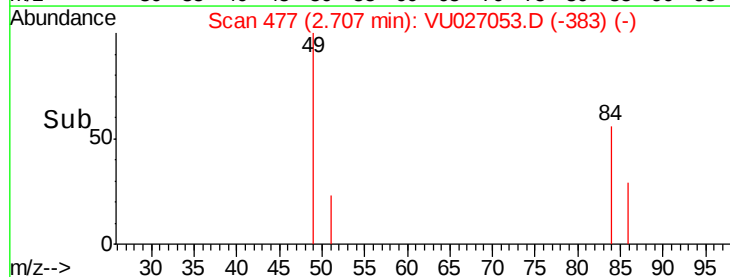
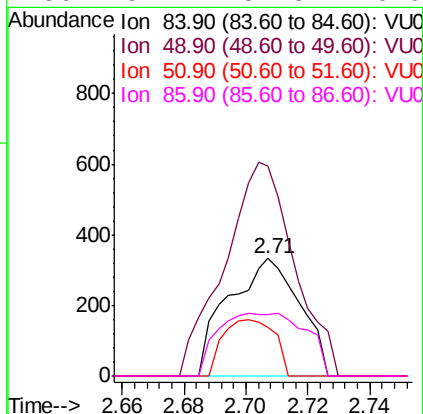
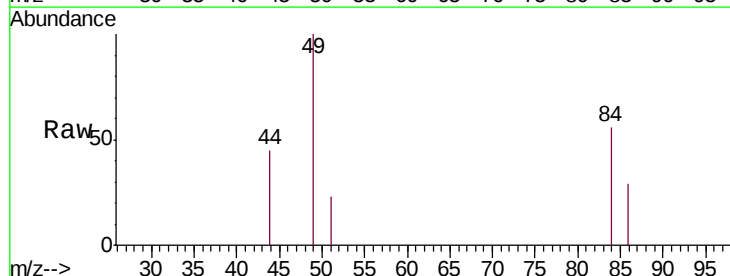
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ134I-20180914

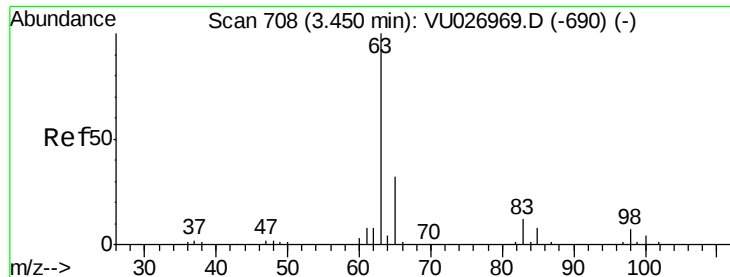
Tgt Ion: 43 Resp: 3135
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 0.322 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU027053.D
Acq: 23 Sep 2018 06:30

Tgt Ion: 84 Resp: 535
Ion Ratio Lower Upper
84 100
49 179.5 114.9 172.3#
51 41.3 35.8 53.8
86 52.7 51.3 76.9





#24

1,1-Dichloroethane

Concen: 0.209 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027053.D

Acq: 23 Sep 2018 06:30

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ134I-20180914

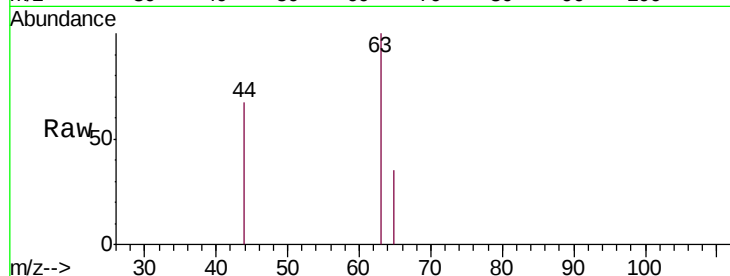
Tgt Ion: 63 Resp: 636

Ion Ratio Lower Upper

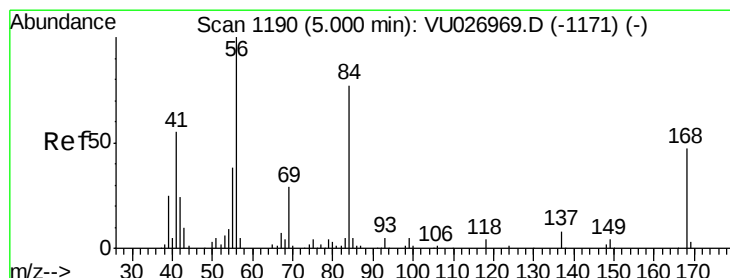
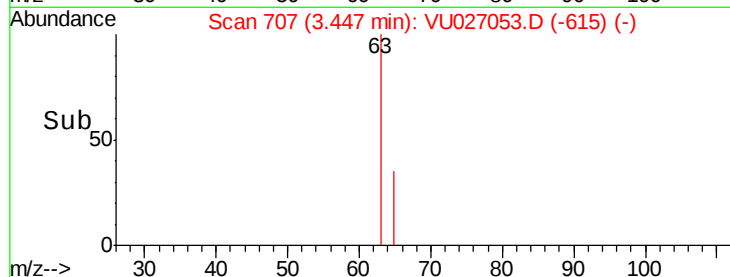
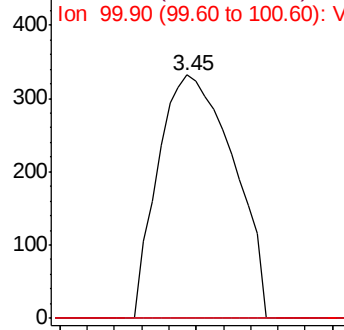
63 100

98 0.0 3.3 9.8#

100 0.0 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-690) (-)



#31

Cyclohexane

Concen: 0.316 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027053.D

Acq: 23 Sep 2018 06:30

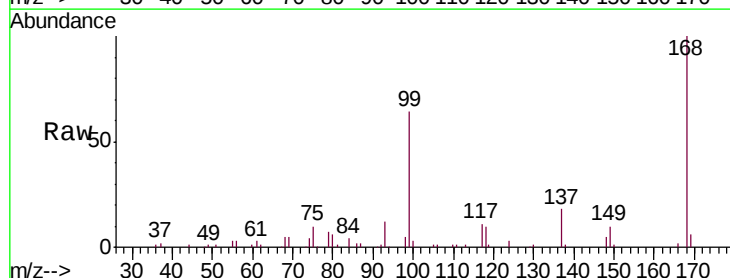
Tgt Ion: 56 Resp: 2457

Ion Ratio Lower Upper

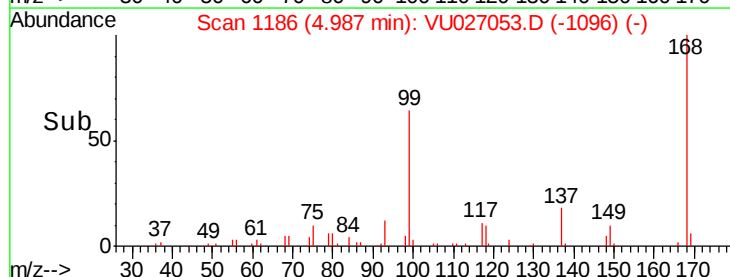
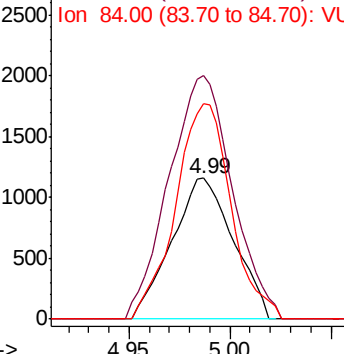
56 100

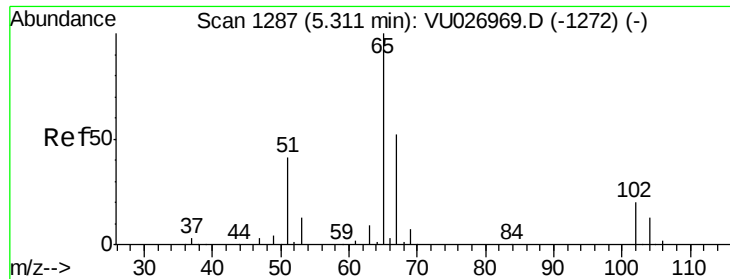
69 173.0 23.0 34.4#

84 152.9 61.4 92.2#



Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

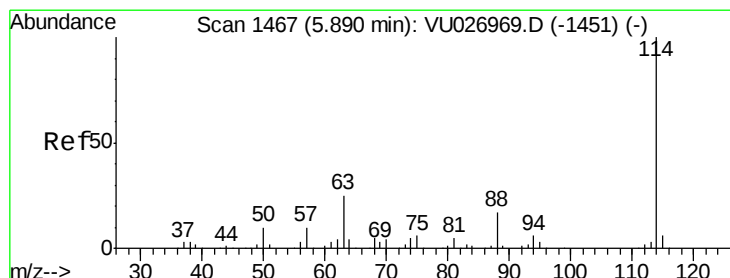
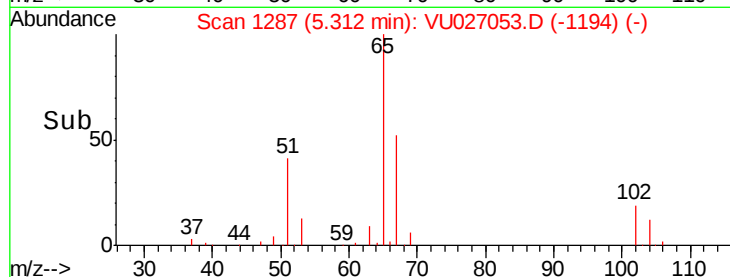
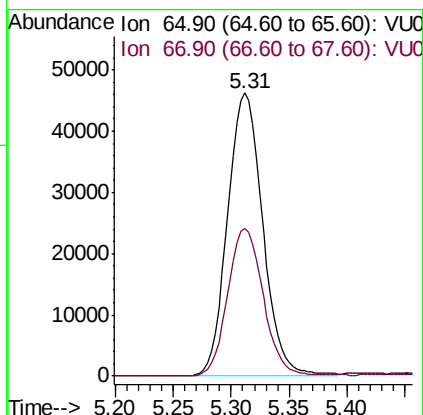
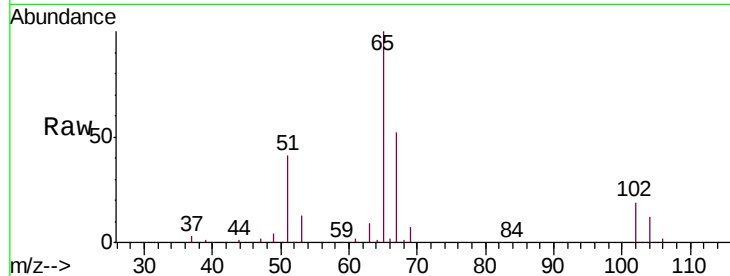




#33
 1,2-Dichloroethane-d4
 Concen: 52.447 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027053.D
 Acq: 23 Sep 2018 06:30

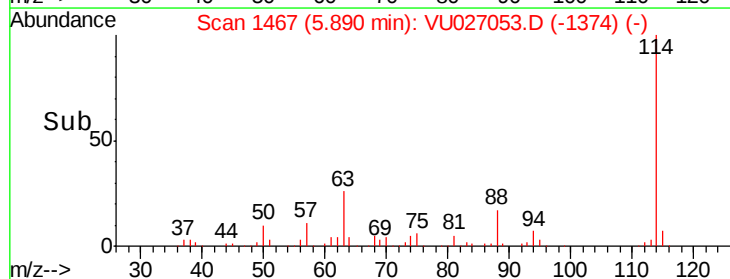
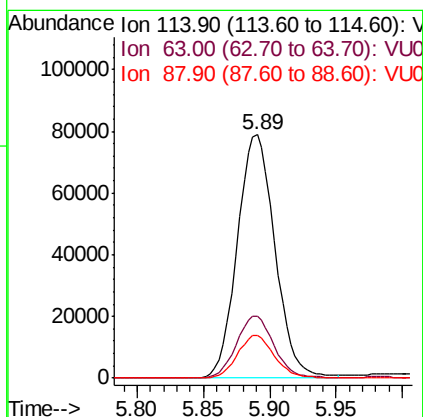
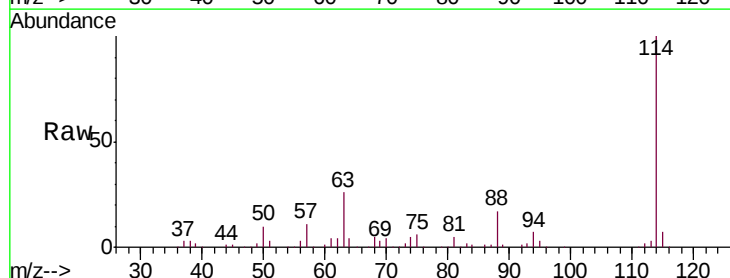
Instrument :
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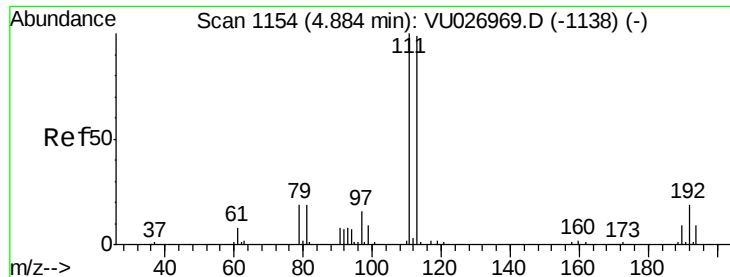
Tgt Ion: 65 Resp: 97398
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027053.D
 Acq: 23 Sep 2018 06:30

Tgt Ion: 114 Resp: 156289
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 49.2
 88 17.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.316 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027053.D

Acq: 23 Sep 2018 06:30

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ134I-20180914

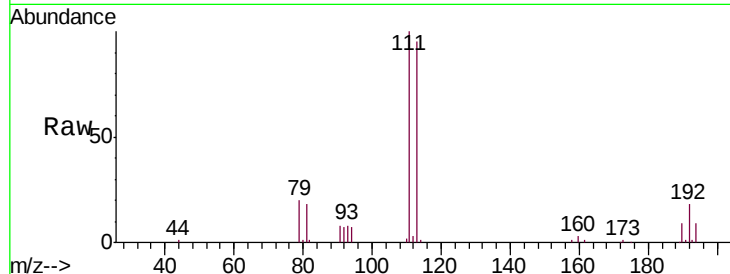
Tgt Ion:113 Resp: 66809

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

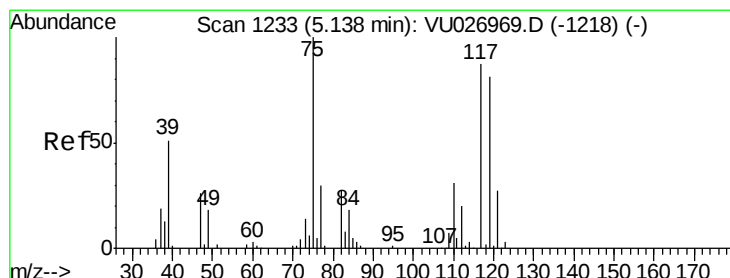
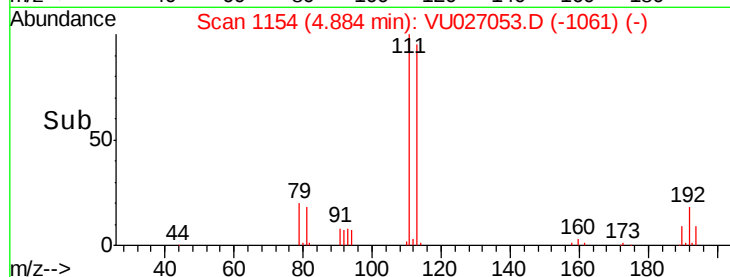
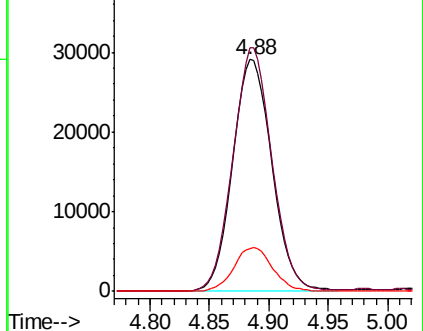
192 18.6 15.2 22.8



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: 4.373 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027053.D

Acq: 23 Sep 2018 06:30

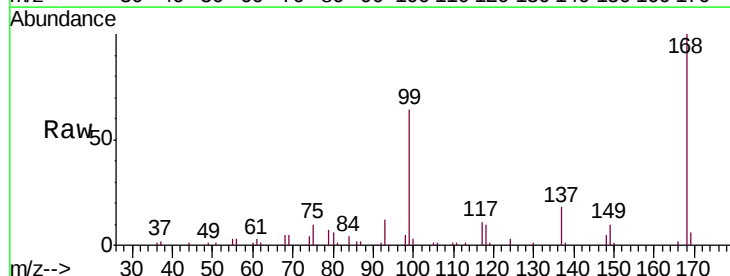
Tgt Ion: 75 Resp: 9121

Ion Ratio Lower Upper

75 100

110 6.8 16.1 48.2#

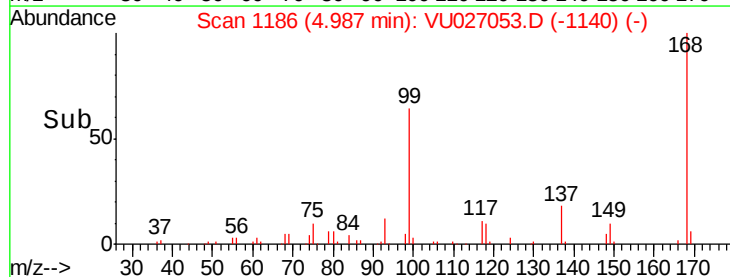
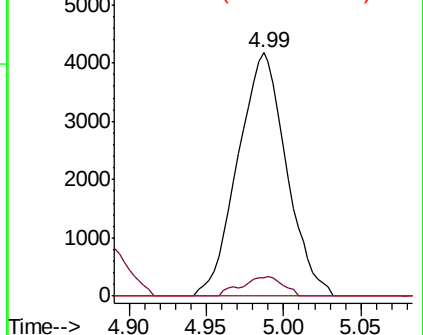
77 0.0 24.6 36.8#

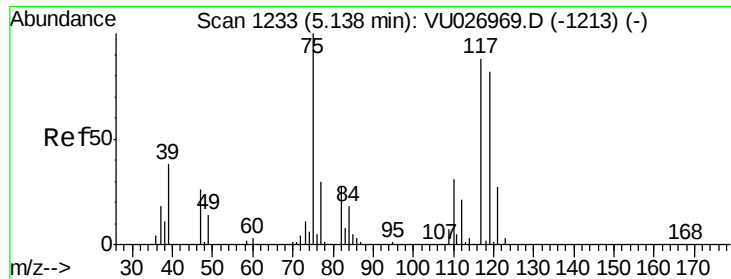


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.981 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027053.D

Acq: 23 Sep 2018 06:30

Instrument :

MSVOA_U

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SA-PZ134I-20180914

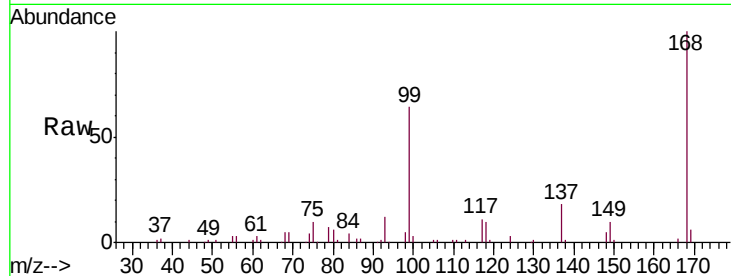
Tgt Ion:117 Resp: 9888

Ion Ratio Lower Upper

117 100

119 7.9 74.4 111.6#

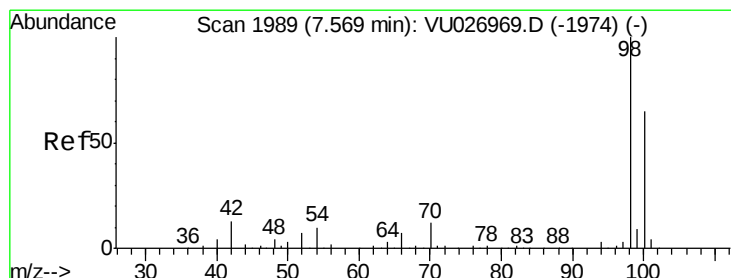
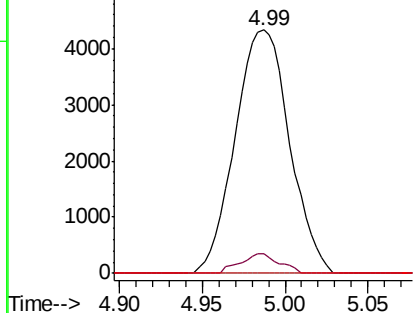
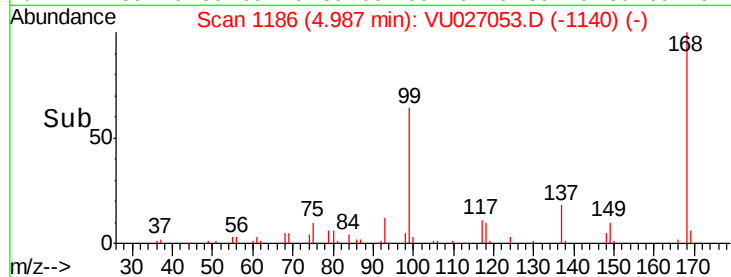
121 0.0 24.2 36.4#



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: 48.938 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027053.D

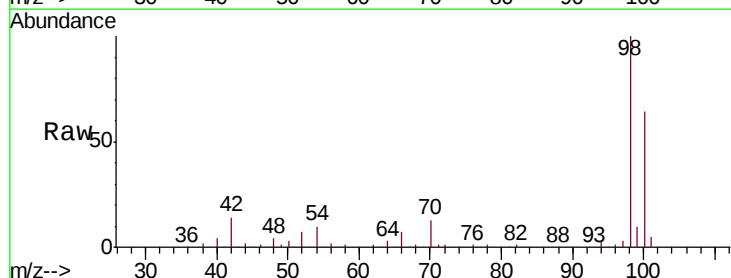
Acq: 23 Sep 2018 06:30

Tgt Ion: 98 Resp: 252663

Ion Ratio Lower Upper

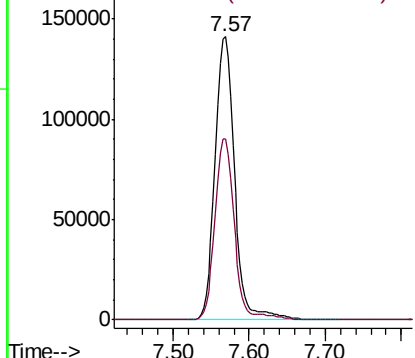
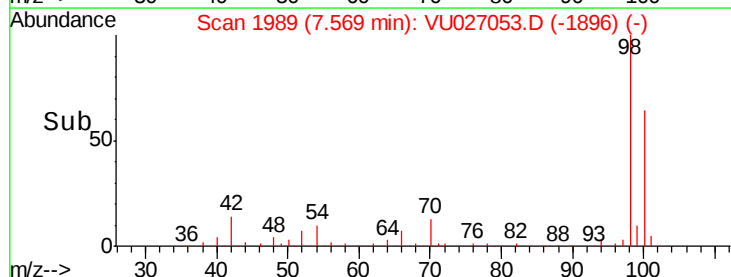
98 100

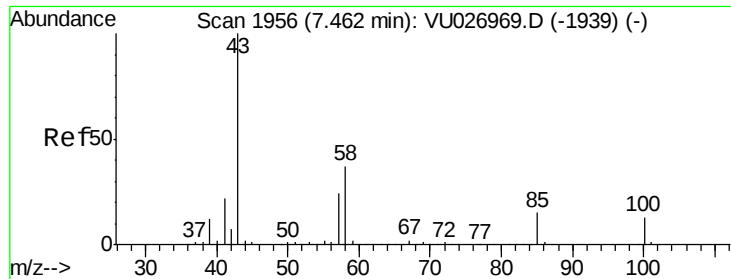
100 63.7 52.1 78.1



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: 0.452 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027053.D

Acq: 23 Sep 2018 06:30

Instrument :

MSVOA_U

ClientSampleId :

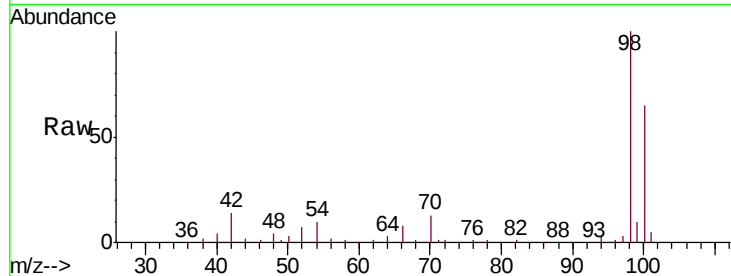
SA-PZ134I-20180914

Tgt Ion: 43 Resp: 1253

Ion Ratio Lower Upper

43 100

58 184.7 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

1500

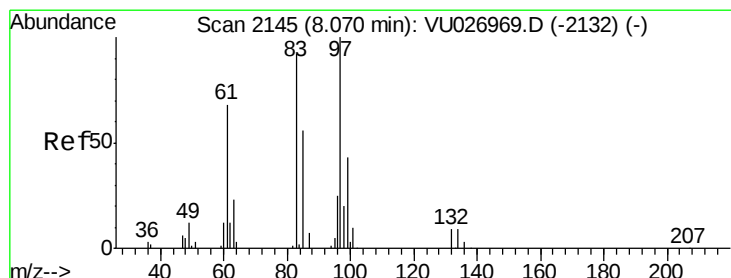
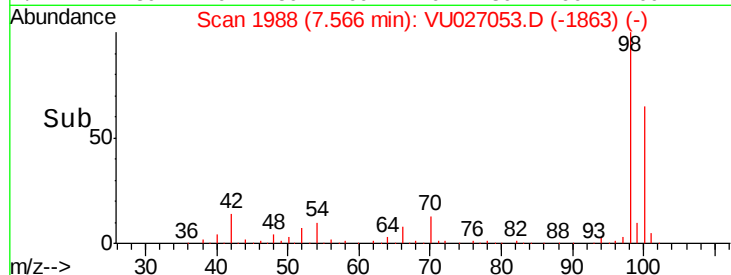
1000

500

0

7.55 7.60

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.248 ug/l

RT: 8.18 min Scan# 2180

Delta R.T. 0.11 min

Lab File: VU027053.D

Acq: 23 Sep 2018 06:30

Tgt Ion: 97 Resp: 382

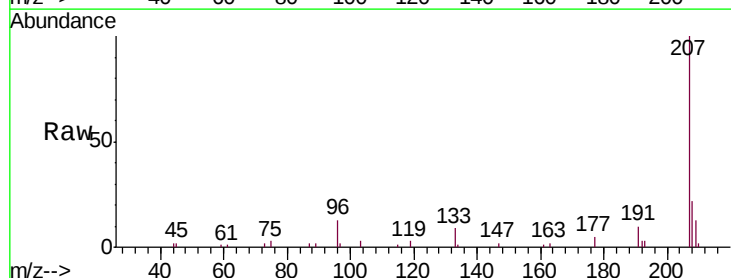
Ion Ratio Lower Upper

97 100

83 0.0 73.1 109.7#

85 0.0 46.7 70.1#

99 0.0 50.0 75.0#



Abundance Ion 96.90 (96.60 to 97.60): VU026969.D (-2132) (-)

Ion 82.90 (82.60 to 83.60): VU026969.D (-2132) (-)

Ion 84.90 (84.60 to 85.60): VU026969.D (-2132) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-2132) (-)

300

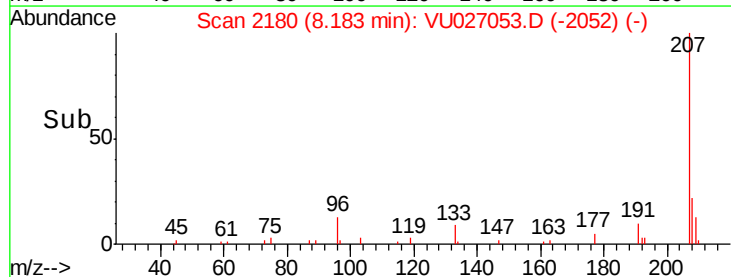
200

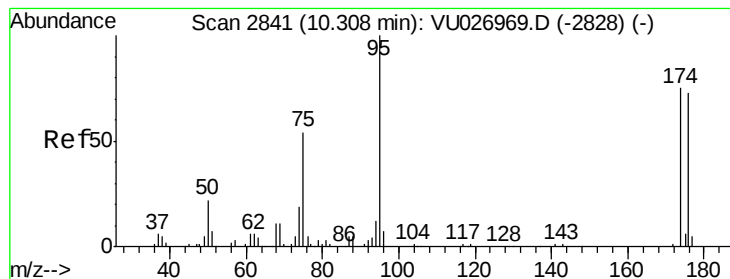
100

0

8.16 8.18 8.20 8.22

Time-->





#62

4-Bromofluorobenzene

Concen: 46.163 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027053.D

Acq: 23 Sep 2018 06:30

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ134I-20180914

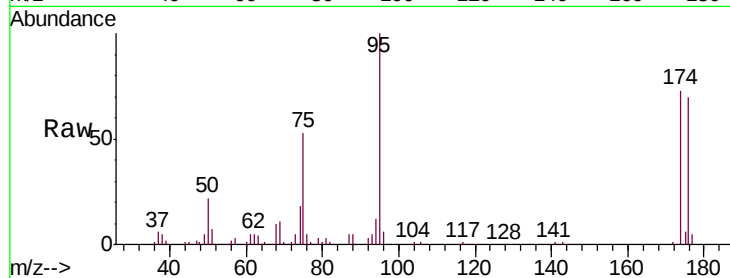
Tgt Ion: 95 Resp: 81779

Ion Ratio Lower Upper

95 100

174 73.1 0.0 150.2

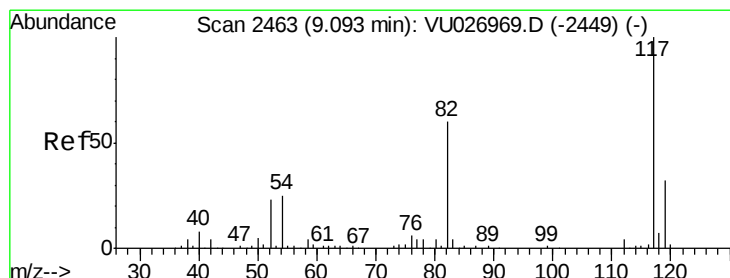
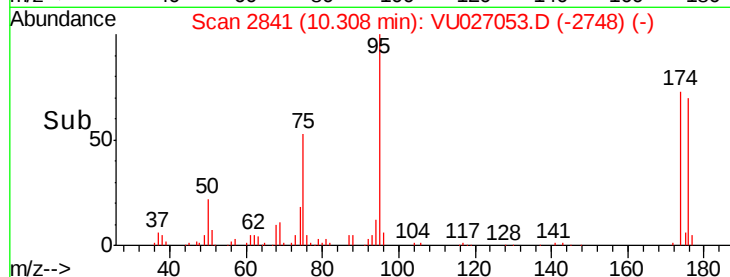
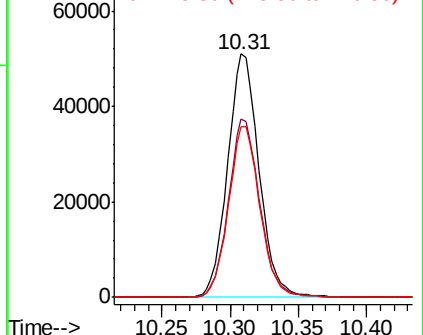
176 70.0 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027053.D

Acq: 23 Sep 2018 06:30

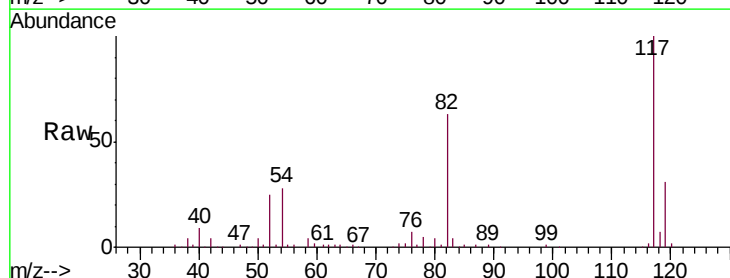
Tgt Ion: 117 Resp: 151268

Ion Ratio Lower Upper

117 100

82 63.1 48.0 72.0

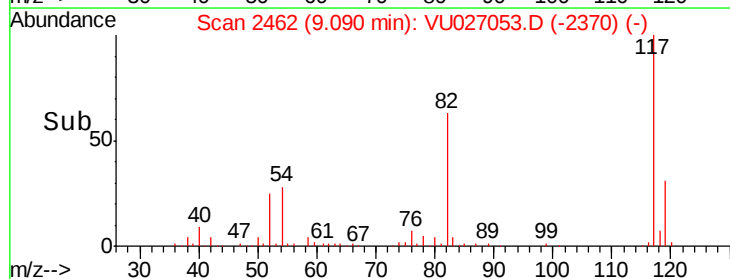
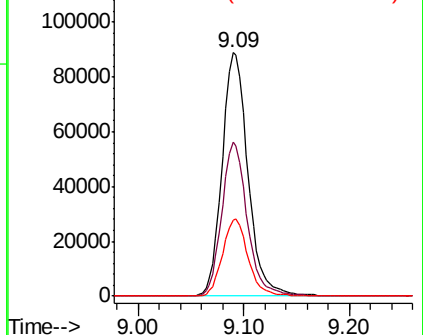
119 31.2 25.8 38.8

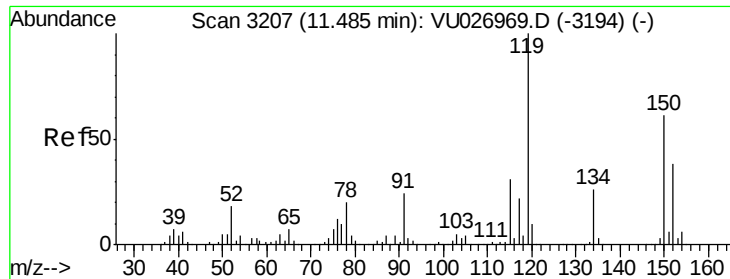


Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)



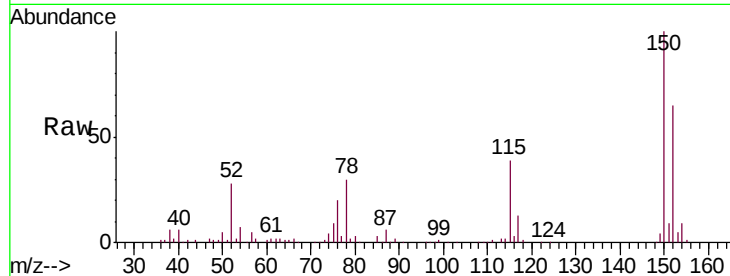


#72

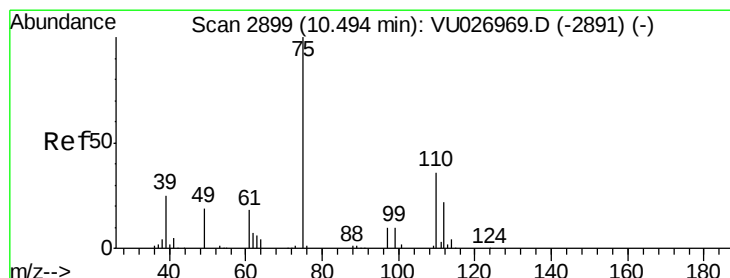
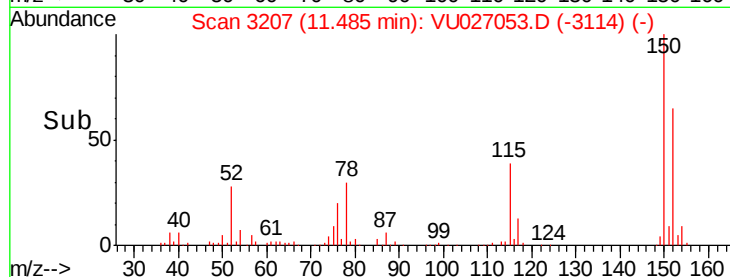
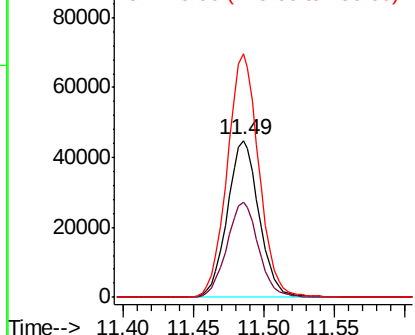
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027053.D
Acq: 23 Sep 2018 06:30

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ134I-20180914

Tgt Ion: 152 Resp: 70469
Ion Ratio Lower Upper
152 100
115 60.5 44.9 134.5
150 155.1 0.0 355.8



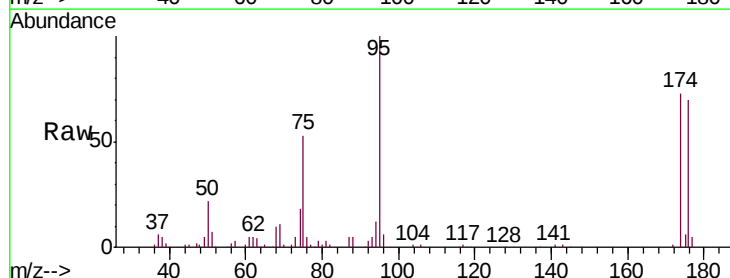
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



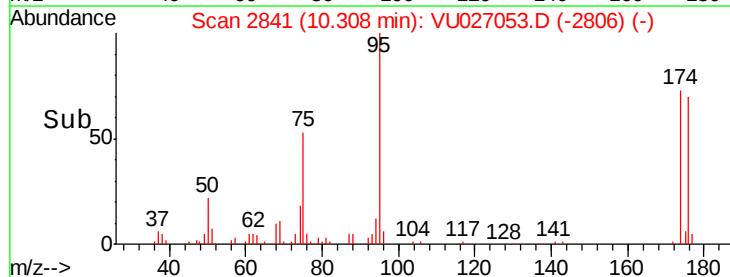
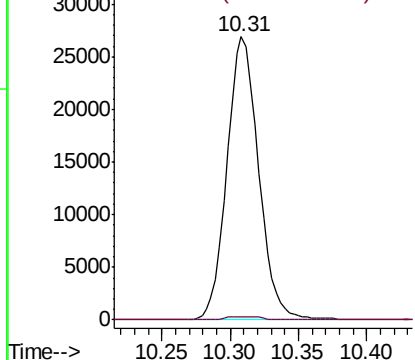
#76

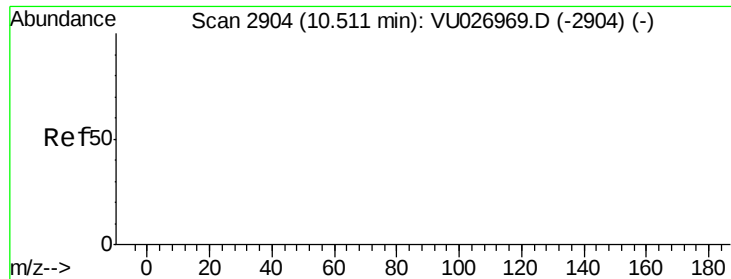
1,2,3-Trichloropropane
Concen: 20.269 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU027053.D
Acq: 23 Sep 2018 06:30

Tgt Ion: 75 Resp: 43392
Ion Ratio Lower Upper
75 100
77 0.7 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: 64.864 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027053.D

Acq: 23 Sep 2018 06:30

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ134I-20180914

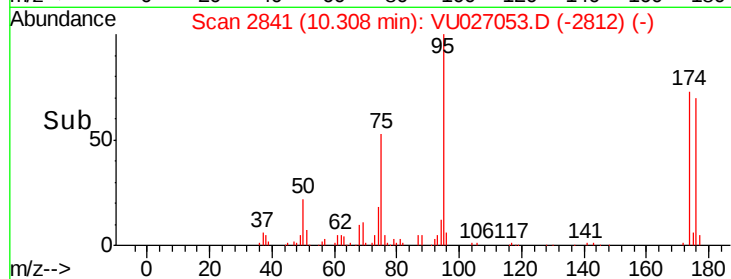
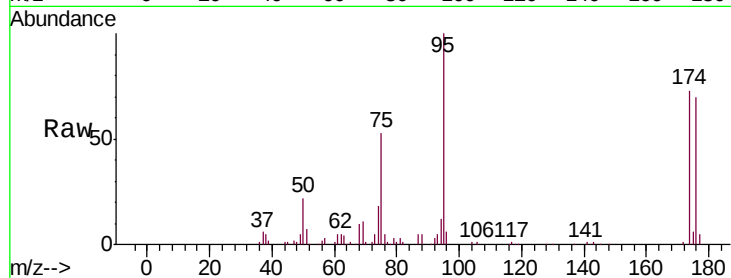
Tgt Ion: 75 Resp: 43392

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

