

Data File : VU027051.D
Acq On : 23 Sep 2018 05:44
Operator : MD/SY
Sample : J4963-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 93 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ122I-20180914

Quant Time: Sep 24 05:47:59 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	93257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	157244	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	96500	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	4.88	113	67867	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	7.57	98	251915	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
62) 4-Bromofluorobenzene	10.31	95	81356	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds

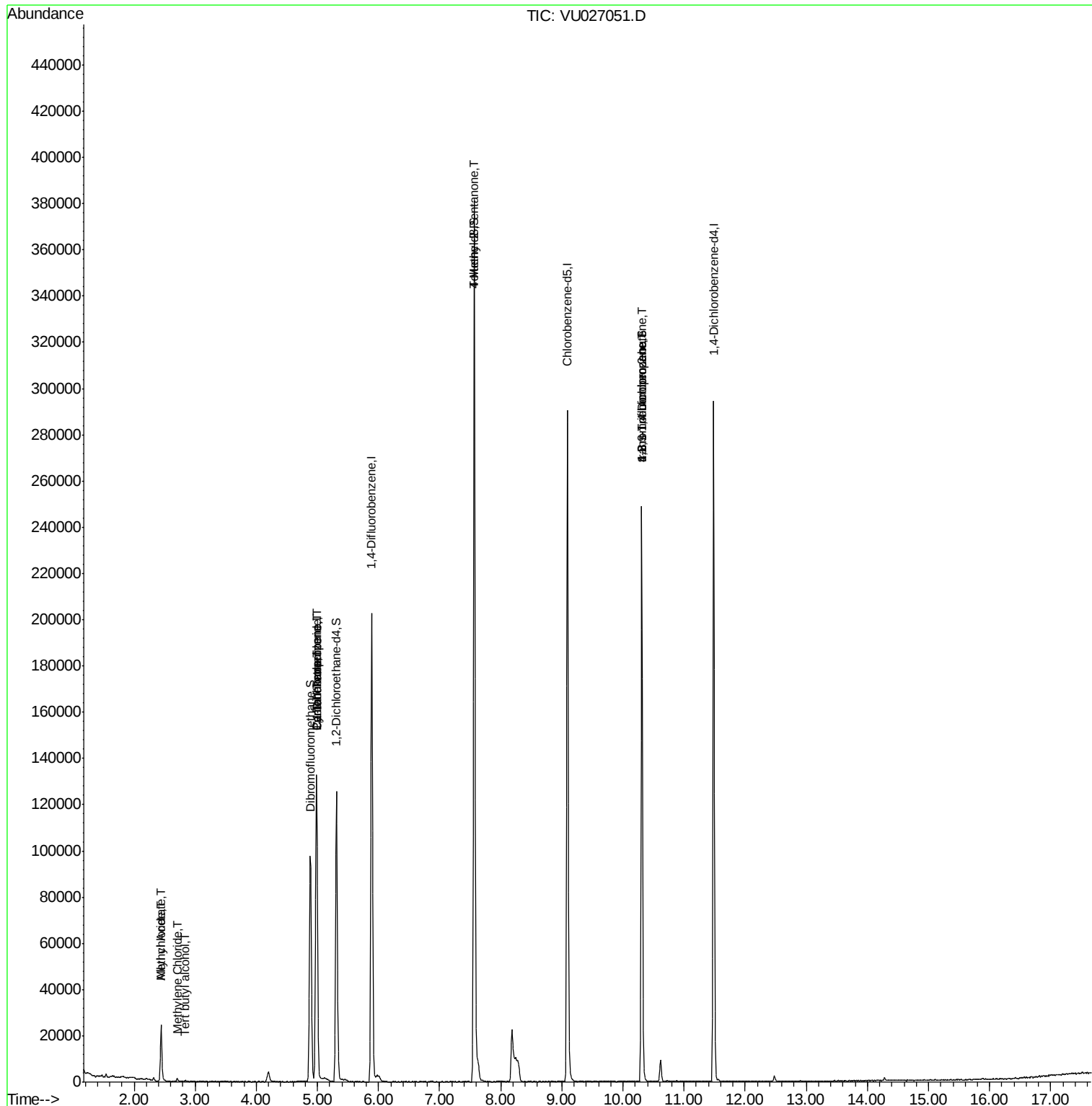
						Qvalue
11) Tert butyl alcohol	2.84	59	310	0.721	ug/l #	72
14) Allyl chloride	2.44	41	2506	0.959	ug/l #	68
16) Acetone	2.32	43	1837	Below Cal		89
18) Methyl Acetate	2.44	43	6112	2.288	ug/l #	55
20) Methylene Chloride	2.70	84	529	0.315	ug/l	94
31) Cyclohexane	4.99	56	2581	0.352	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9386	4.472	ug/l #	49
38) Carbon Tetrachloride	4.98	117	9582	4.798	ug/l #	17
51) 4-Methyl-2-Pentanone	7.57	43	1213	0.435	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	44212	20.916	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44212	66.936	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: VU027051.D

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MSVOA_U

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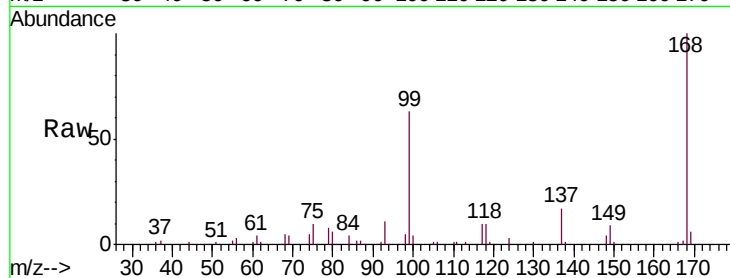
SA-PZ122I-20180914

Tgt Ion:168 Resp: 93257

Ion Ratio Lower Upper

168 100

99 63.3 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

40000

30000

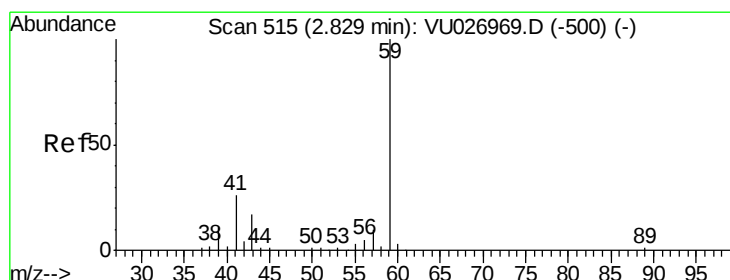
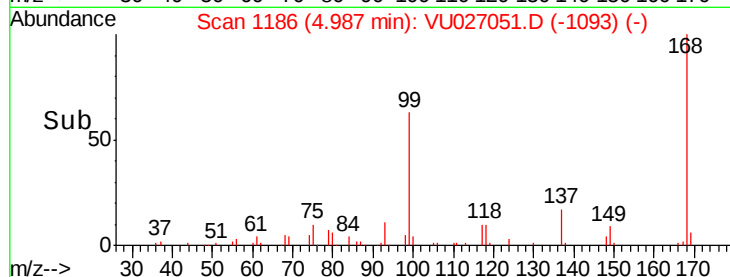
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 0.721 ug/l

RT: 2.84 min Scan# 515

Delta R.T. 0.01 min

Lab File: VU027051.D

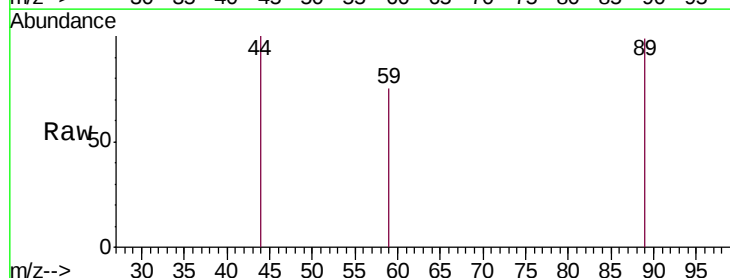
Acq: 23 Sep 2018 05:44

Tgt Ion: 59 Resp: 310

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) (-)

250

200

150

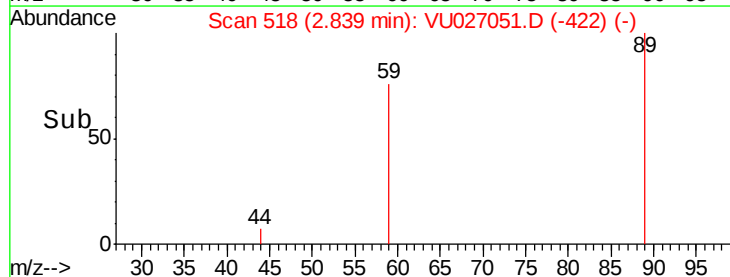
100

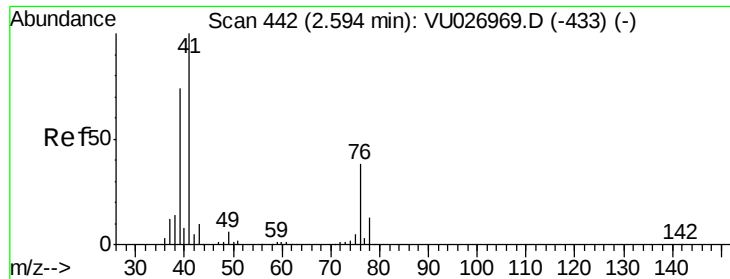
50

0

2.80 2.82 2.84 2.86

Time-->

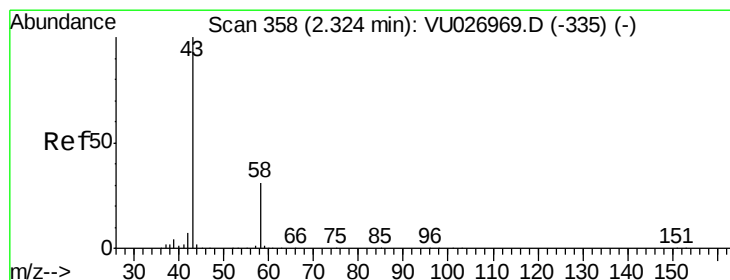
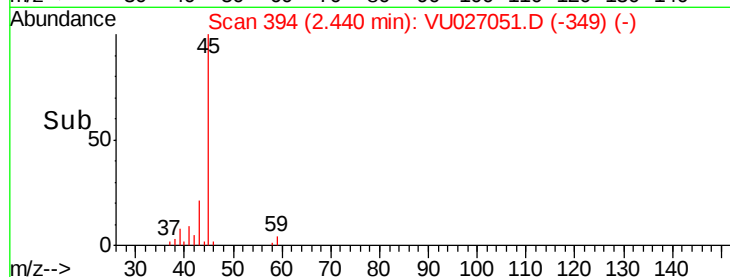
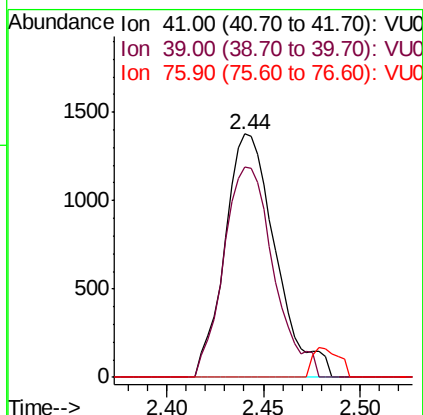
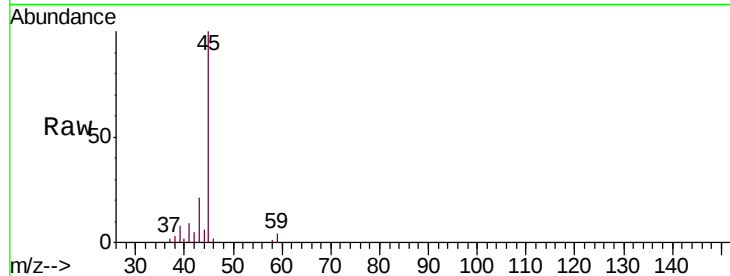




#14
 Allyl chloride
 Concen: 0.959 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027051.D
 Acq: 23 Sep 2018 05:44

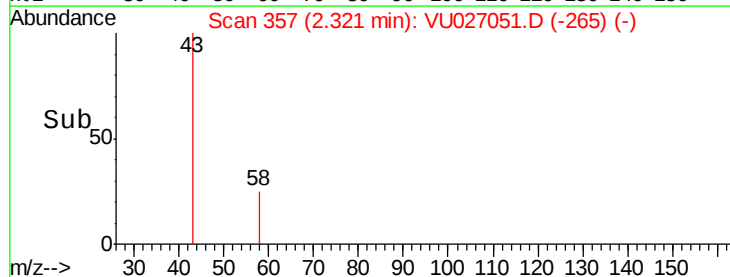
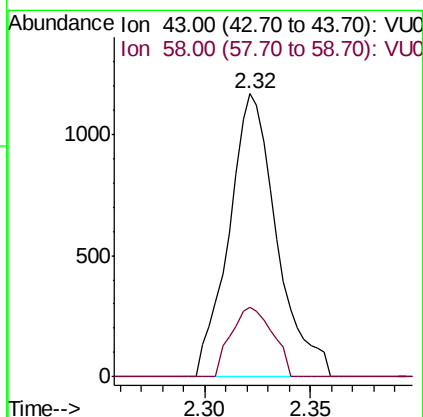
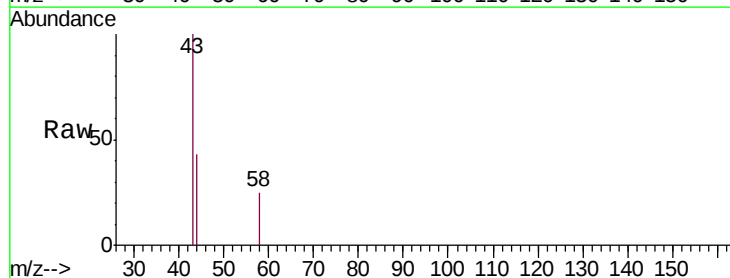
Instrument :
 MSVOA_U
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 SA-PZ122I-20180914

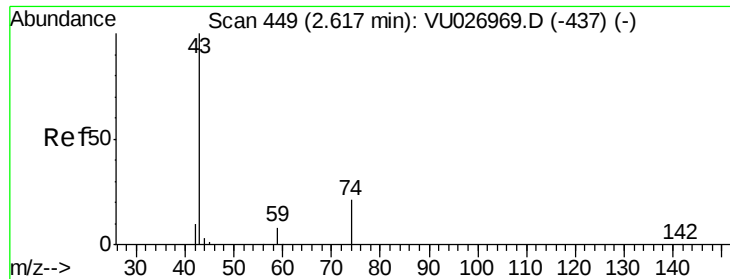
Tgt Ion: 41 Resp: 2506
 Ion Ratio Lower Upper
 41 100
 39 85.4 55.7 83.5#
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027051.D
 Acq: 23 Sep 2018 05:44

Tgt Ion: 43 Resp: 1837
 Ion Ratio Lower Upper
 43 100
 58 24.7 24.6 36.8

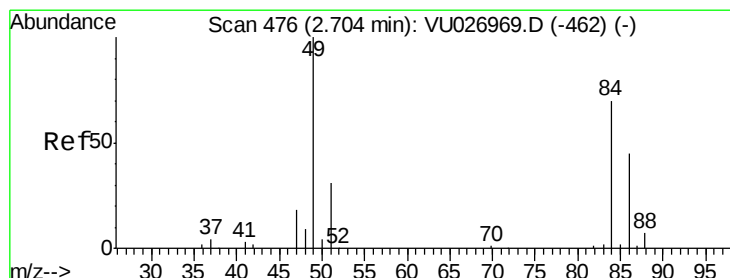
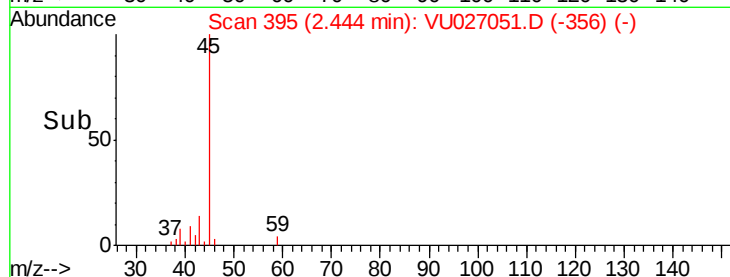
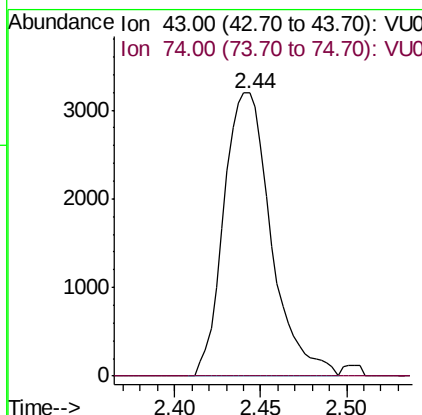
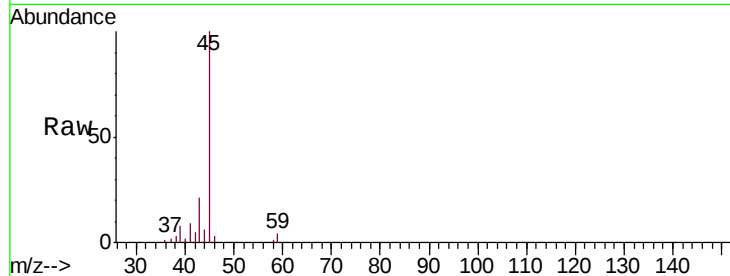




#18
Methyl Acetate
Concen: 2.288 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027051.D
Acq: 23 Sep 2018 05:44

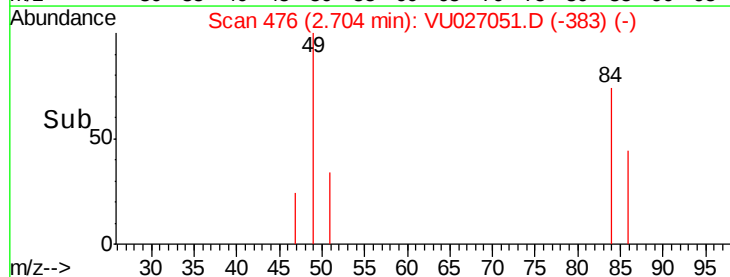
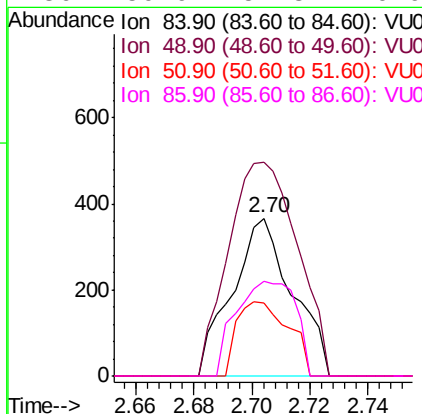
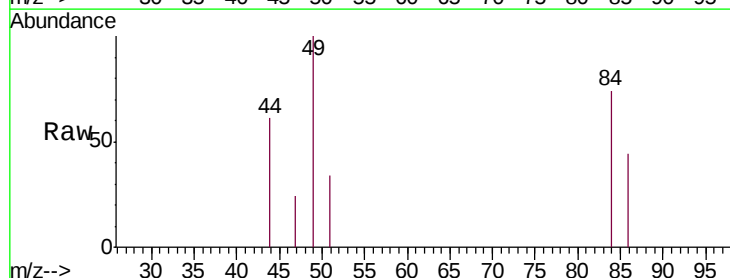
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ122I-20180914

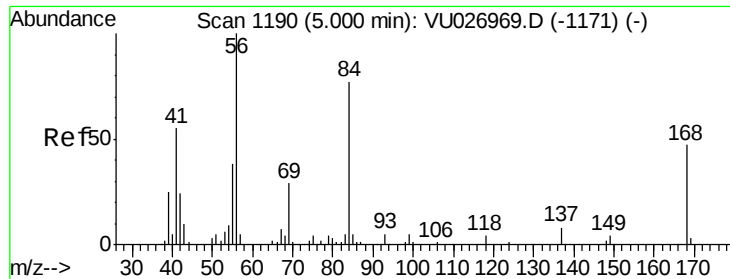
Tgt Ion: 43 Resp: 6112
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 0.315 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027051.D
Acq: 23 Sep 2018 05:44

Tgt Ion: 84 Resp: 529
Ion Ratio Lower Upper
84 100
49 135.1 114.9 172.3
51 46.0 35.8 53.8
86 59.9 51.3 76.9

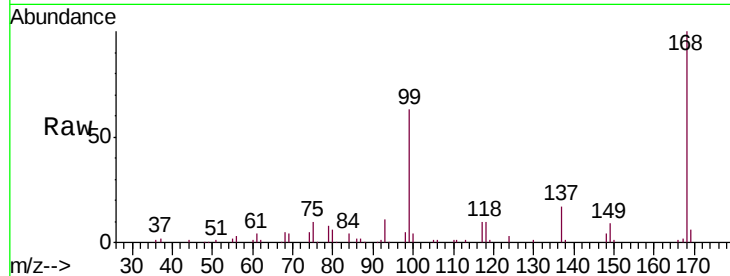




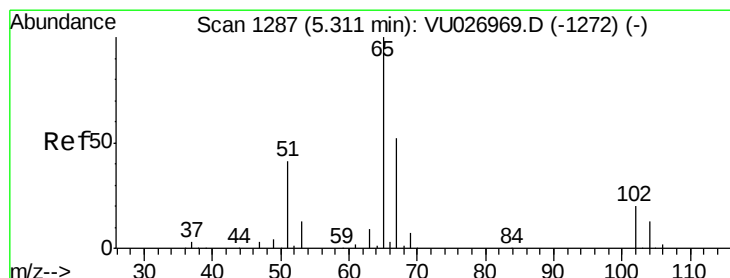
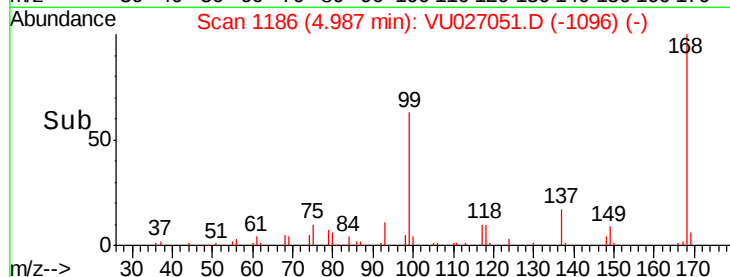
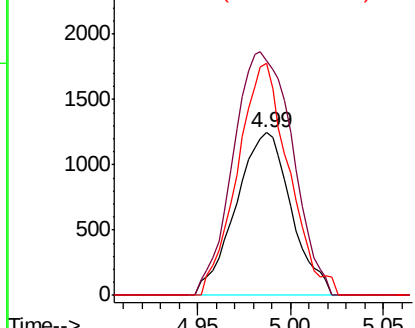
#31
Cyclohexane
Concen: 0.352 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027051.D
Acq: 23 Sep 2018 05:44

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ122I-20180914

Tgt Ion: 56 Resp: 2581
Ion Ratio Lower Upper
56 100
69 144.5 23.0 34.4#
84 143.3 61.4 92.2#

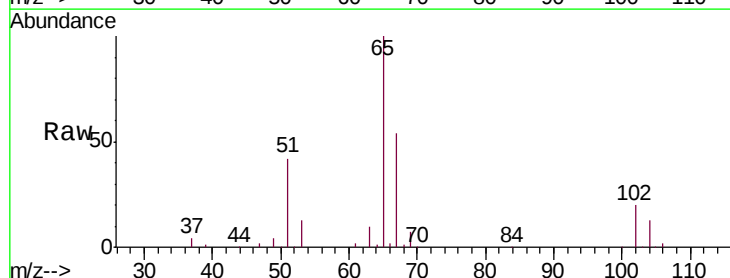


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

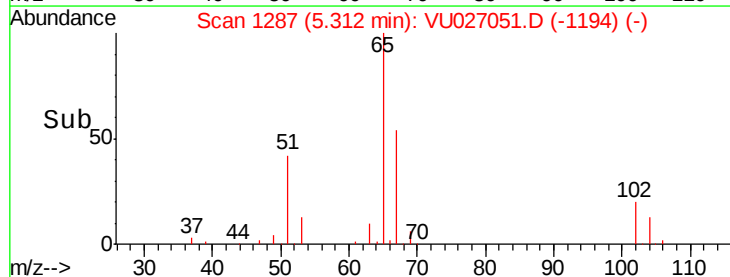
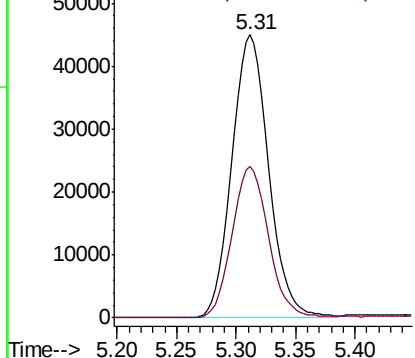


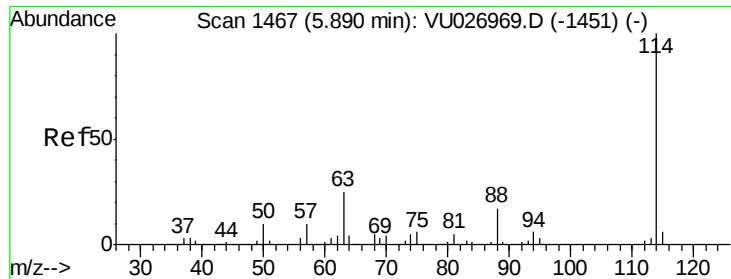
#33
1,2-Dichloroethane-d4
Concen: 51.413 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027051.D
Acq: 23 Sep 2018 05:44

Tgt Ion: 65 Resp: 96500
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

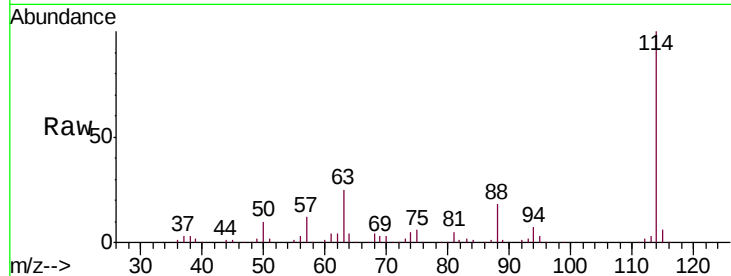




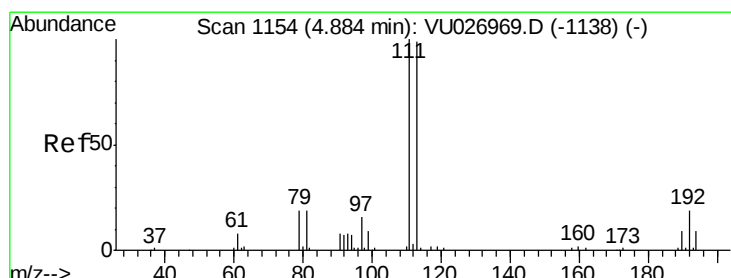
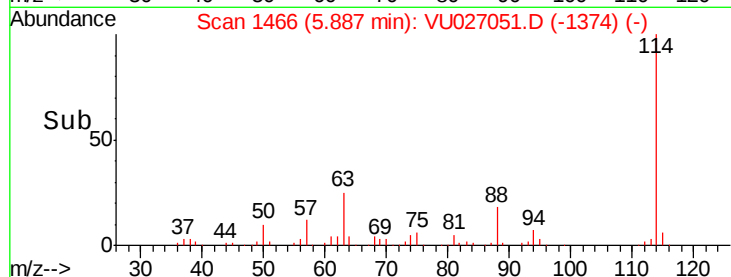
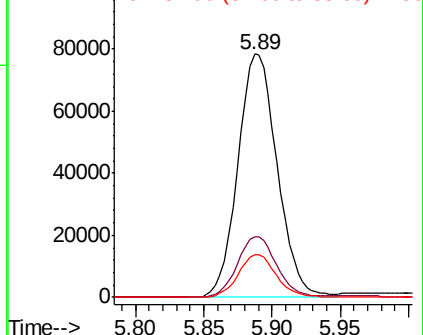
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027051.D
 Acq: 23 Sep 2018 05:44

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ122I-20180914

Tgt Ion:114 Resp: 157244
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 17.5 0.0 33.8

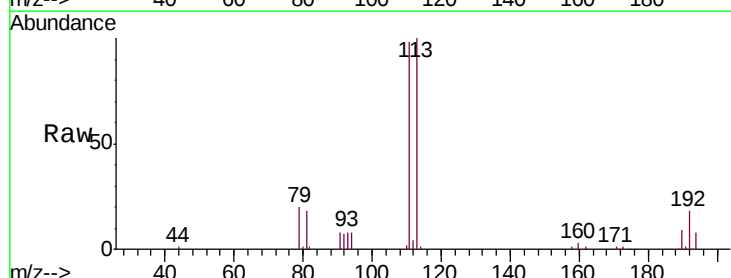


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

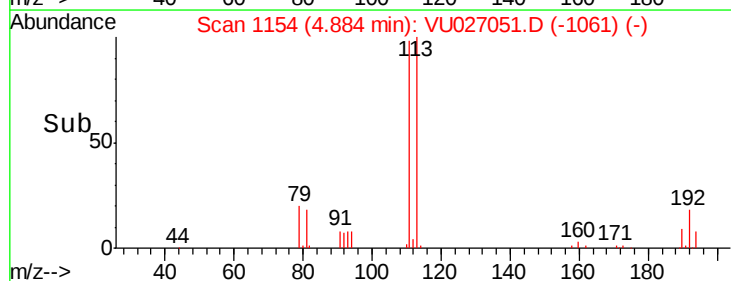
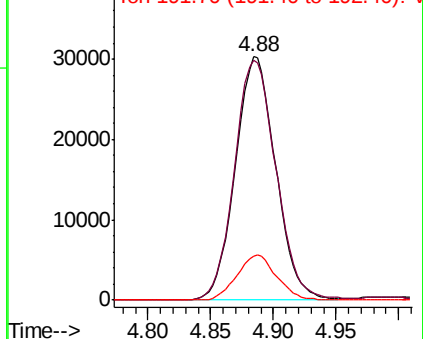


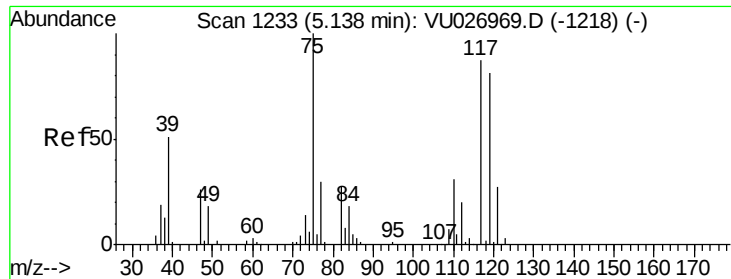
#35
 Dibromofluoromethane
 Concen: 49.793 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027051.D
 Acq: 23 Sep 2018 05:44

Tgt Ion:113 Resp: 67867
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.4
 192 18.3 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

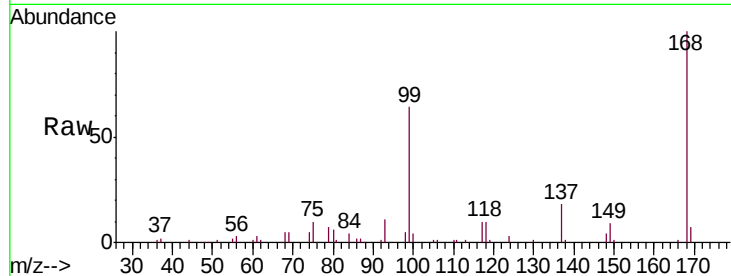




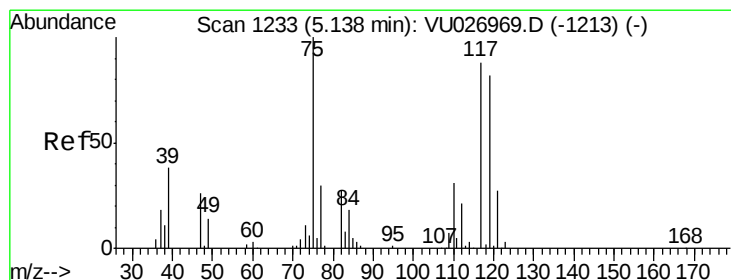
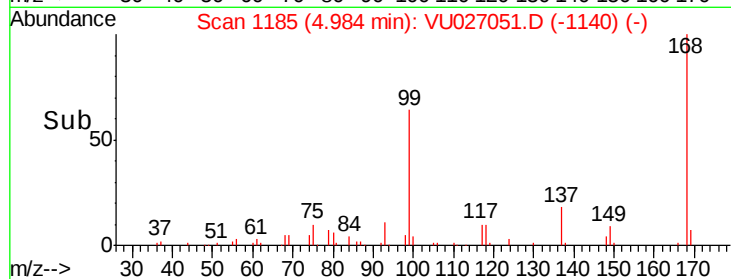
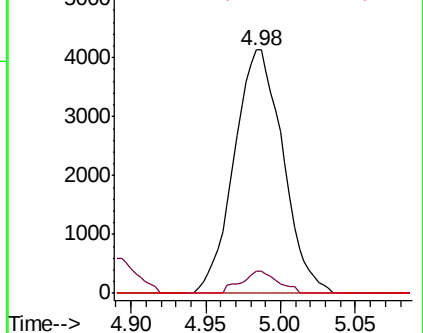
#36
 1,1-Dichloropropene
 Concen: 4.472 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027051.D
 Acq: 23 Sep 2018 05:44

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Tgt Ion: 75 Resp: 9386
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.1 48.2#
 77 0.0 24.6 36.8#

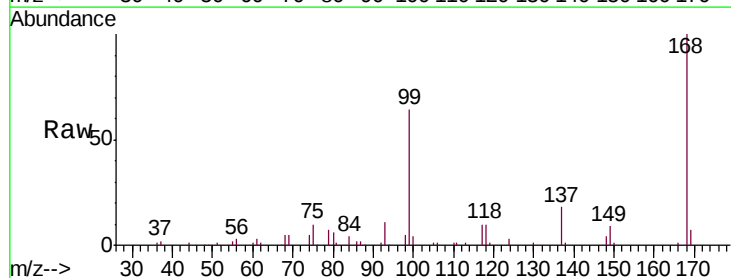


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

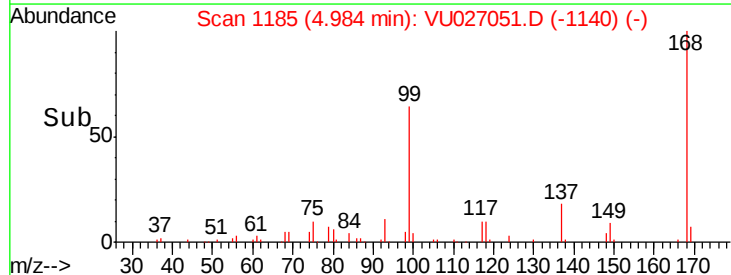
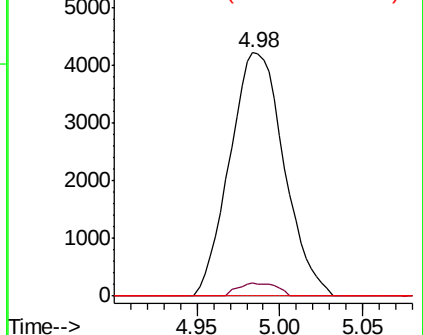


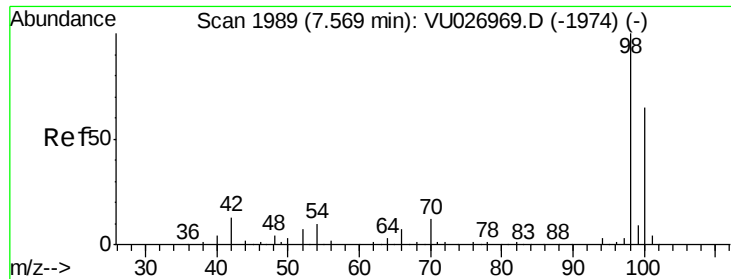
#38
 Carbon Tetrachloride
 Concen: 4.798 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027051.D
 Acq: 23 Sep 2018 05:44

Tgt Ion: 117 Resp: 9582
 Ion Ratio Lower Upper
 117 100
 119 5.2 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

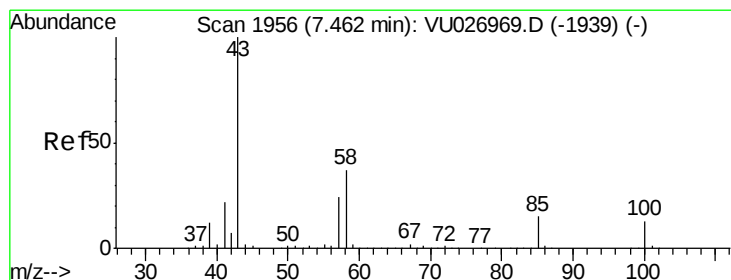
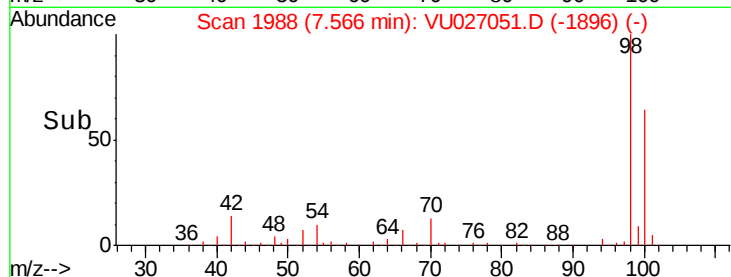
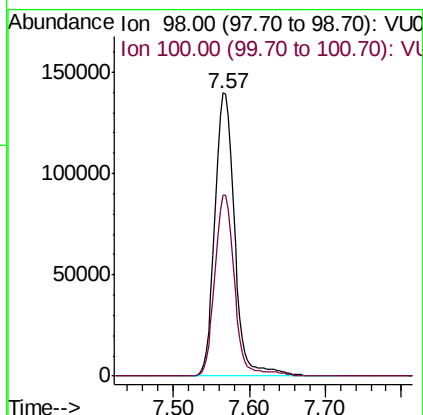
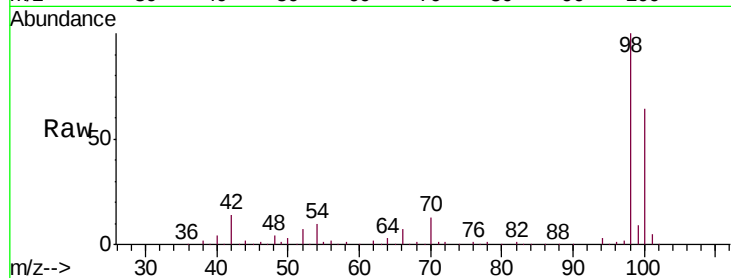




#50
Toluene-d8
Concen: 48.497 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027051.D
Acq: 23 Sep 2018 05:44

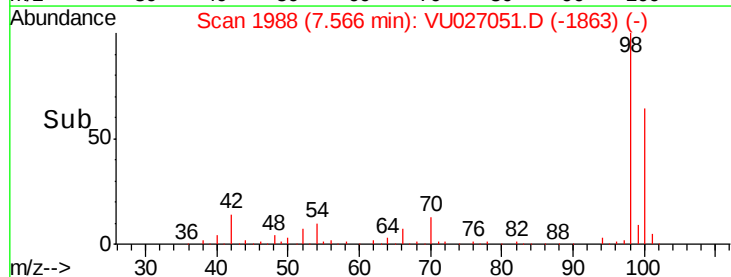
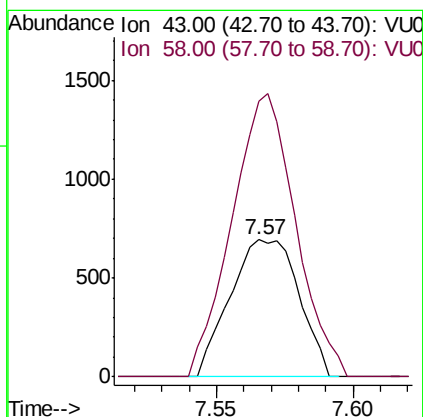
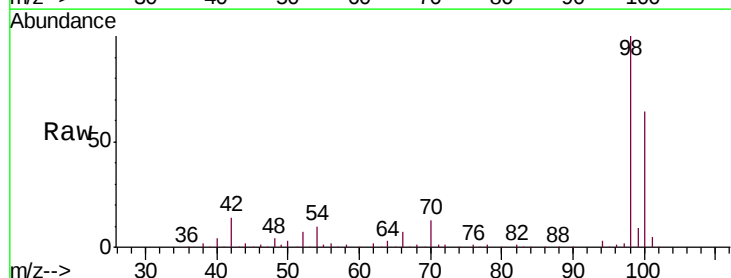
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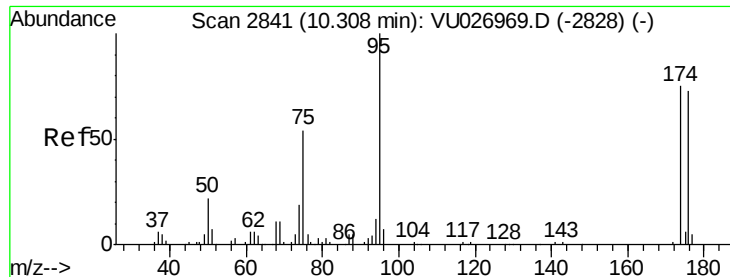
Tgt Ion: 98 Resp: 251915
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.435 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.10 min
Lab File: VU027051.D
Acq: 23 Sep 2018 05:44

Tgt Ion: 43 Resp: 1213
Ion Ratio Lower Upper
43 100
58 191.0 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 45.645 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027051.D

Acq: 23 Sep 2018 05:44

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ122I-20180914

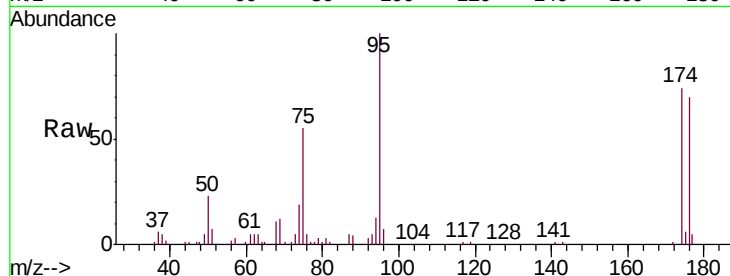
Tgt Ion: 95 Resp: 81356

Ion Ratio Lower Upper

95 100

174 74.0 0.0 150.2

176 70.8 0.0 145.2

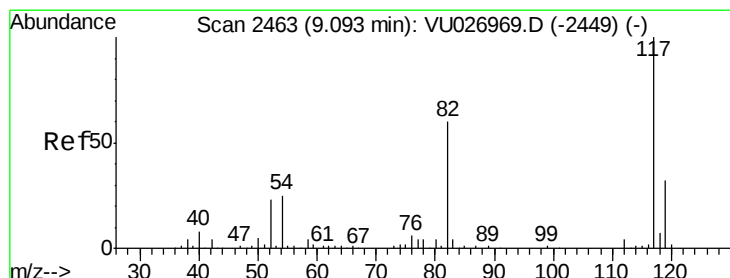
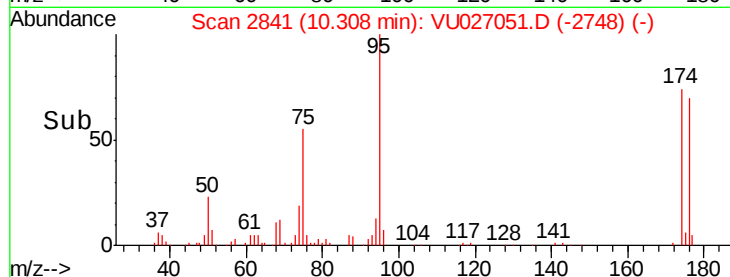


Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

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

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

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027051.D

Acq: 23 Sep 2018 05:44

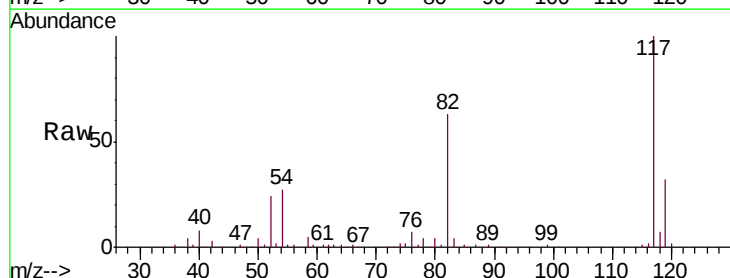
Tgt Ion: 117 Resp: 151112

Ion Ratio Lower Upper

117 100

82 63.1 48.0 72.0

119 31.8 25.8 38.8

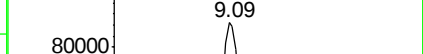
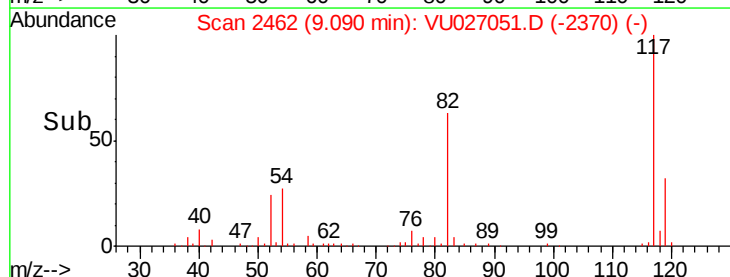


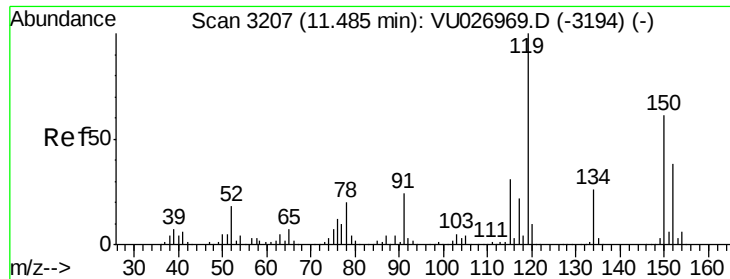
Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

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

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

Time-->



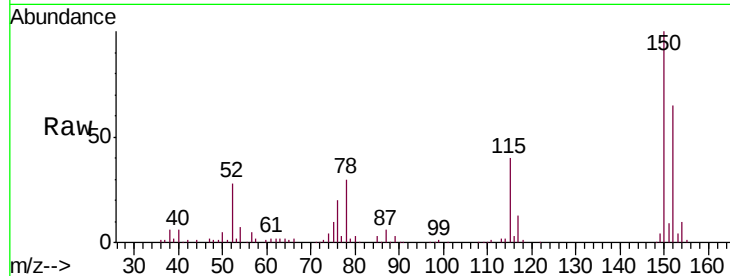


#72

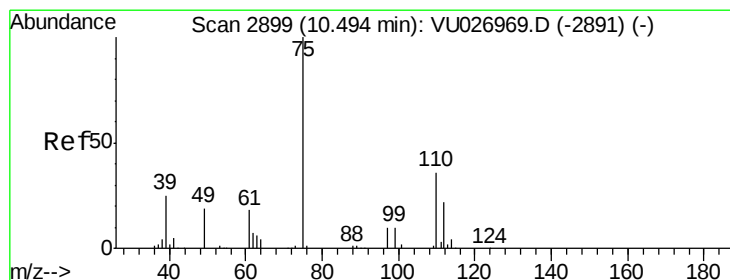
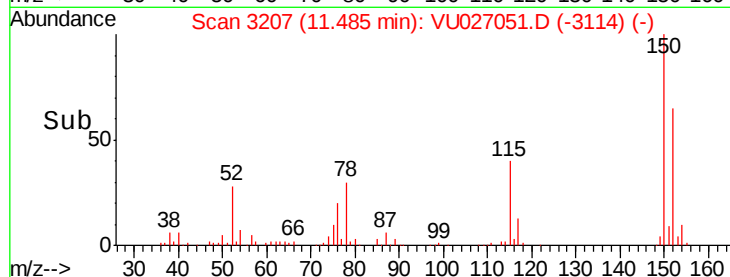
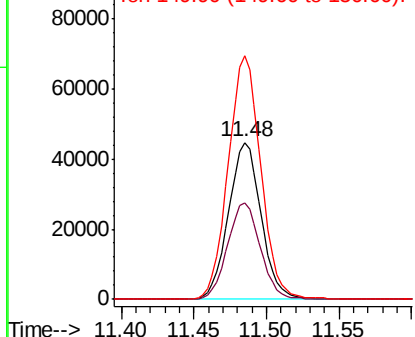
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027051.D
Acq: 23 Sep 2018 05:44

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ122I-20180914

Tgt Ion:152 Resp: 69578
Ion Ratio Lower Upper
152 100
115 62.0 44.9 134.5
150 156.0 0.0 355.8



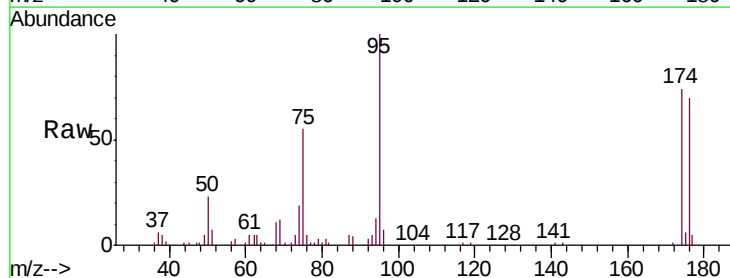
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



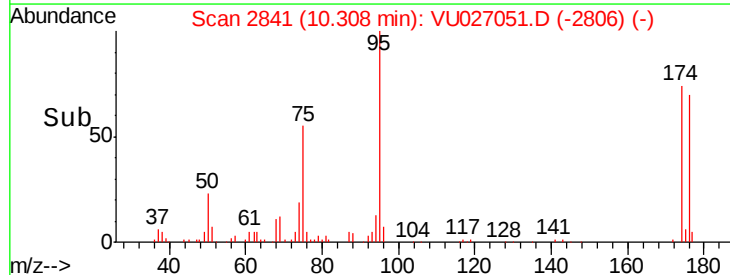
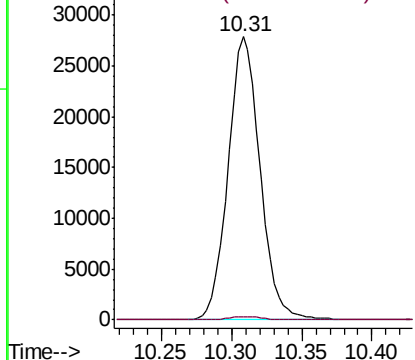
#76

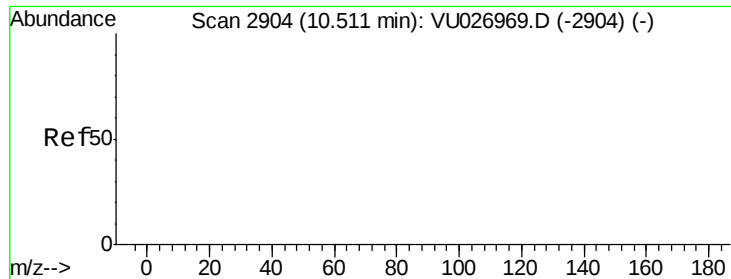
1,2,3-Trichloropropane
Concen: 20.916 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU027051.D
Acq: 23 Sep 2018 05:44

Tgt Ion: 75 Resp: 44212
Ion Ratio Lower Upper
75 100
77 1.1 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: 66.936 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027051.D

Acq: 23 Sep 2018 05:44

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ122I-20180914

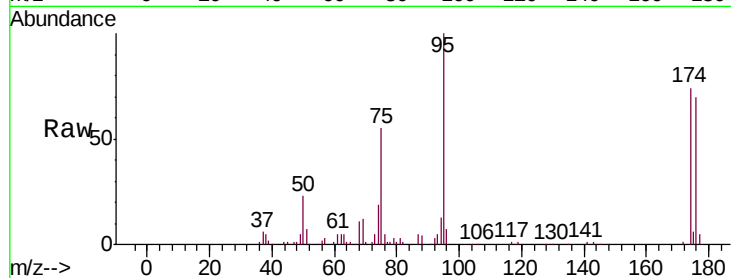
Tgt Ion: 75 Resp: 44212

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

