

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092418\
 Data File : VU027104.D
 Acq On : 24 Sep 2018 13:26
 Operator : MD/SY
 Sample : J4969-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW129D-20180917

Quant Time: Sep 25 01:34:46 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	91969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	158156	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70006	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	97196	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	4.89	113	66748	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	7.57	98	253718	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	10.31	95	82444	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	

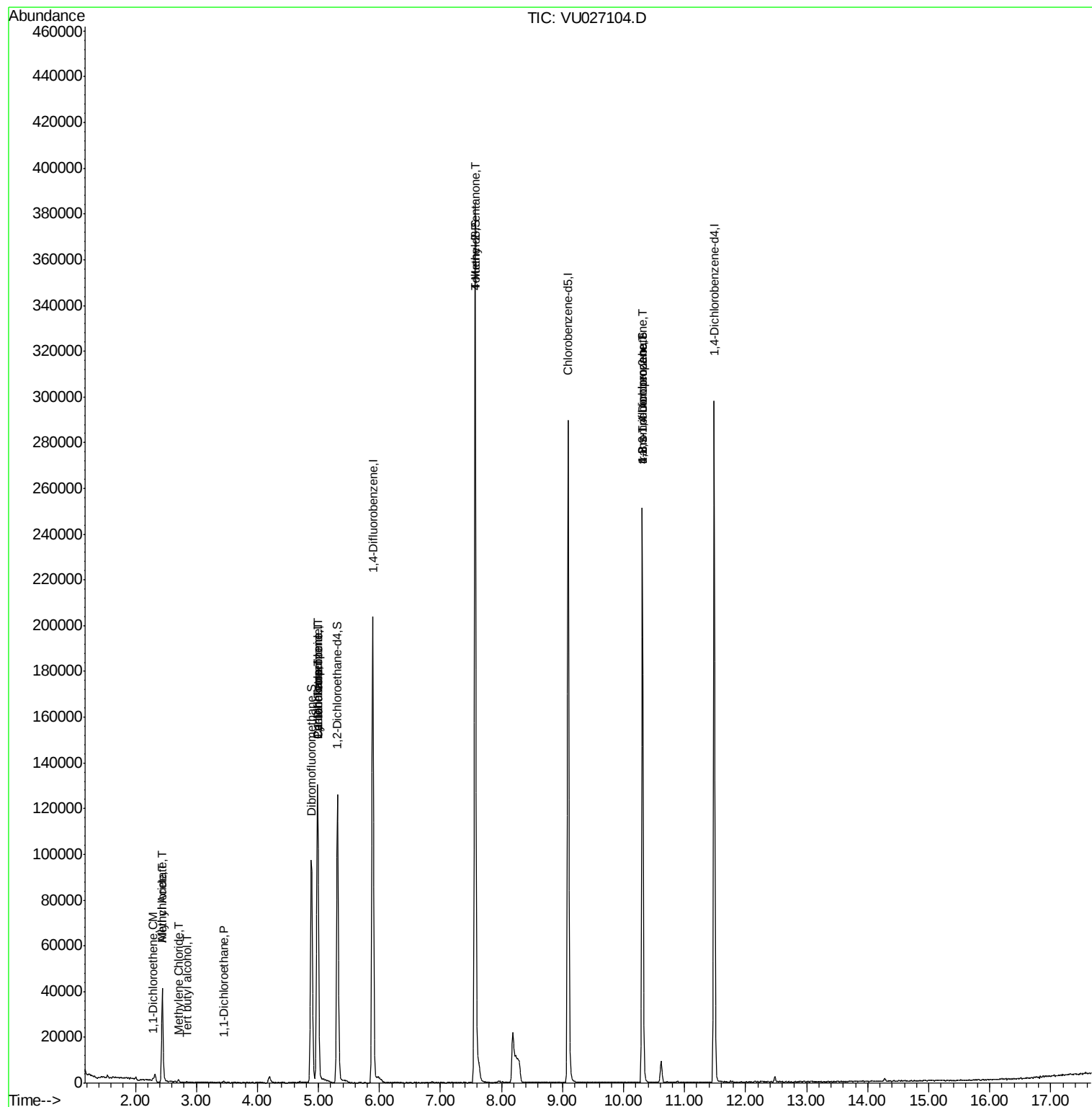
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	232	0.547	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	316	0.249	ug/l	96
14) Allyl chloride	2.44	41	3915	1.520	ug/l #	71
16) Acetone	2.32	43	3915	Below Cal		96
18) Methyl Acetate	2.44	43	10410	3.951	ug/l #	55
20) Methylene Chloride	2.71	84	494	0.298	ug/l #	83
24) 1,1-Dichloroethane	3.45	63	869	0.286	ug/l #	84
31) Cyclohexane	4.98	56	2360	0.284	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8716	4.129	ug/l #	47
38) Carbon Tetrachloride	4.98	117	9632	4.795	ug/l #	19
51) 4-Methyl-2-Pentanone	7.56	43	1338	0.477	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	45992	21.625	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	45992	69.205	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: VU027104.D

Acq: 24 Sep 2018 13:26

Instrument :

MSVOA_U

ClientSampleId :

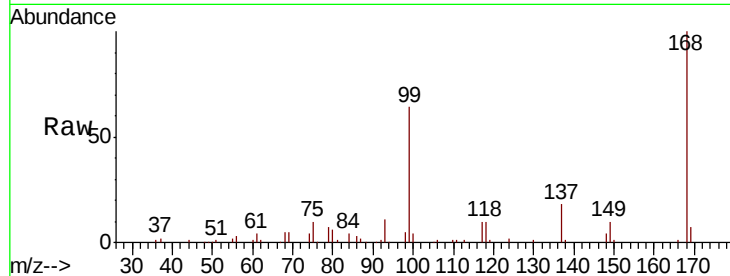
SA-MW129D-20180917

Tgt Ion:168 Resp: 91969

Ion Ratio Lower Upper

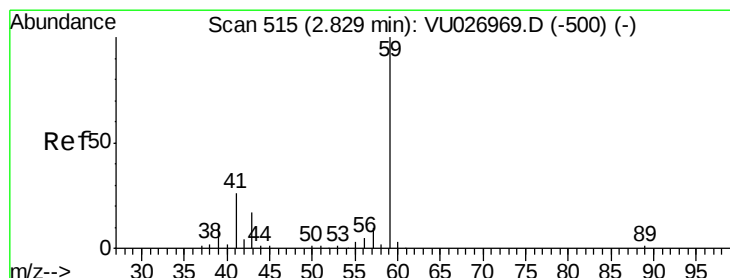
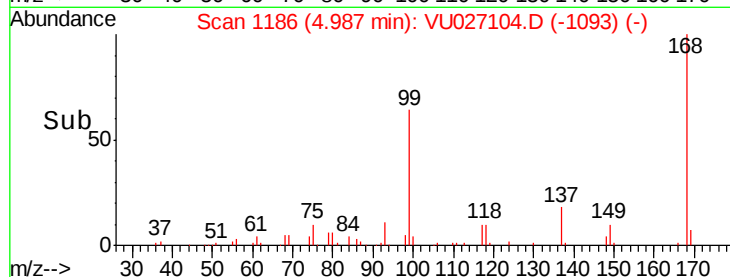
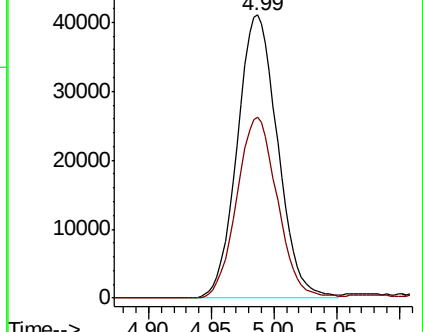
168 100

99 63.9 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) (-)



#11

Tert butyl alcohol

Concen: 0.547 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.00 min

Lab File: VU027104.D

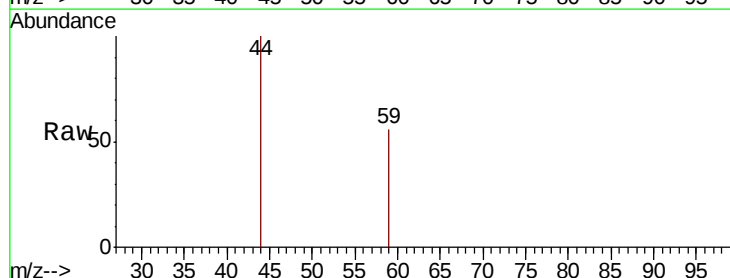
Acq: 24 Sep 2018 13:26

Tgt Ion: 59 Resp: 232

Ion Ratio Lower Upper

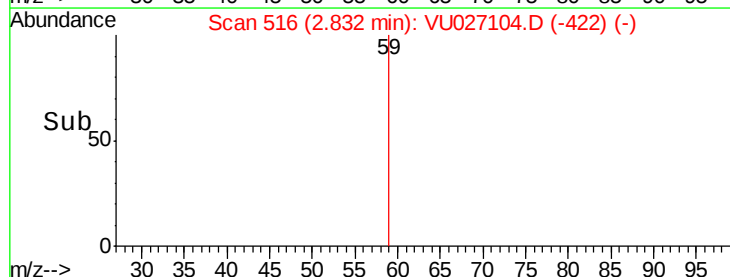
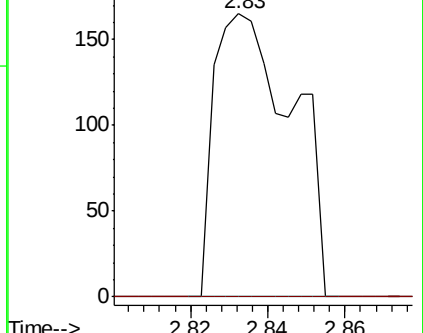
59 100

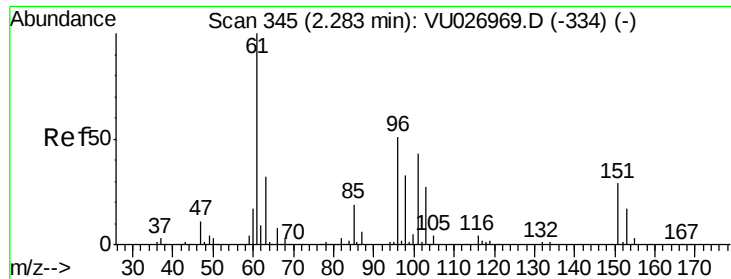
57 0.0 8.5 12.7#



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

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

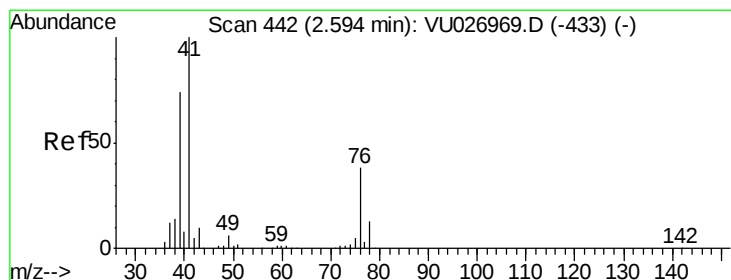
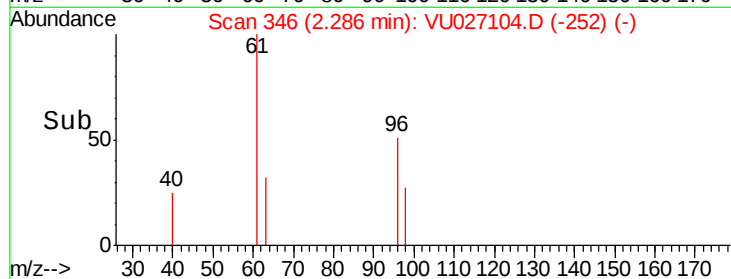
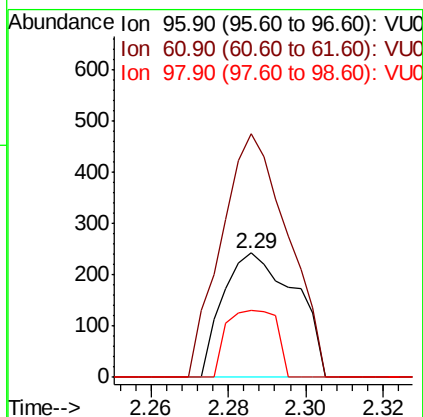
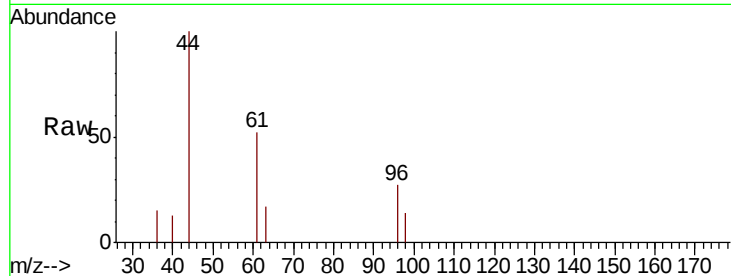




#12
 1,1-Dichloroethene
 Concen: 0.249 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027104.D
 Acq: 24 Sep 2018 13:26

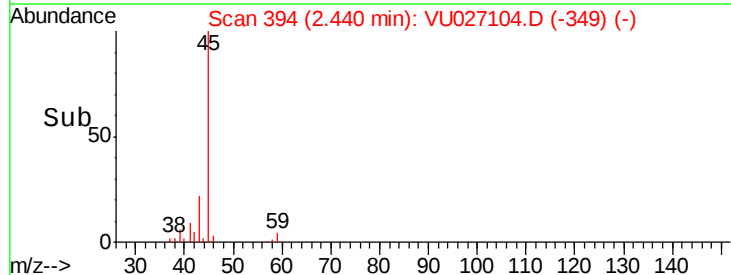
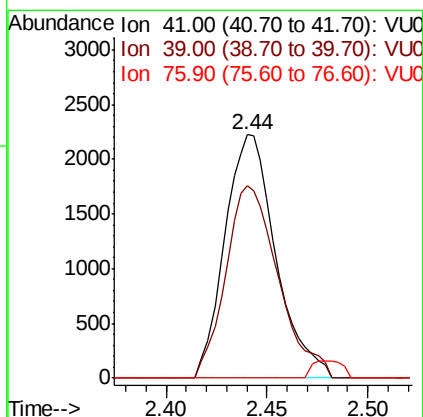
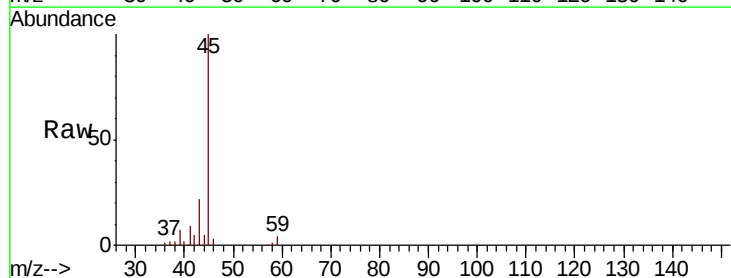
Instrument :
 MSVOA_U
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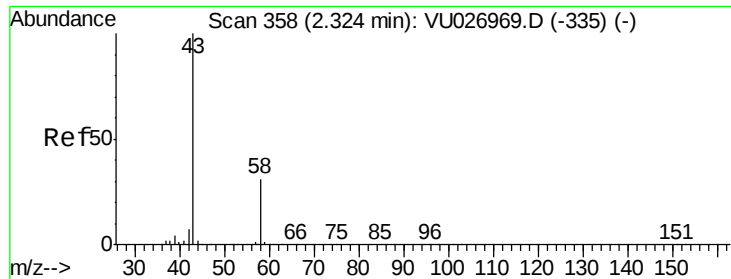
Tgt Ion: 96 Resp: 316
 Ion Ratio Lower Upper
 96 100
 61 195.9 156.1 234.1
 98 53.5 51.4 77.0



#14
 Allyl chloride
 Concen: 1.520 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027104.D
 Acq: 24 Sep 2018 13:26

Tgt Ion: 41 Resp: 3915
 Ion Ratio Lower Upper
 41 100
 39 81.4 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: VU027104.D

Acq: 24 Sep 2018 13:26

Instrument :

MSVOA_U

ClientSampleId :

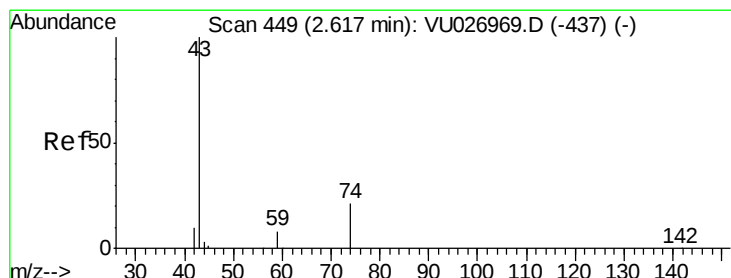
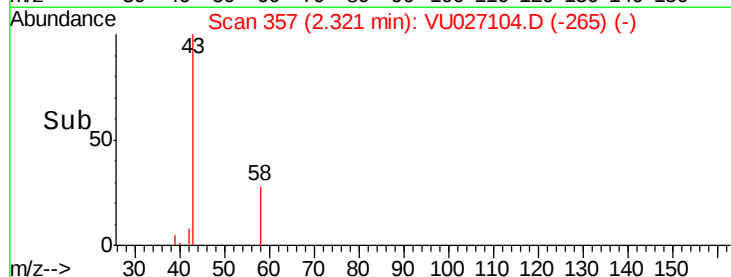
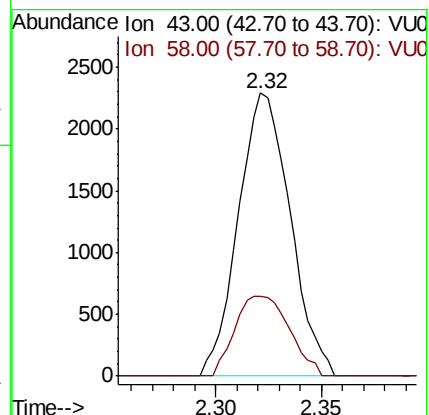
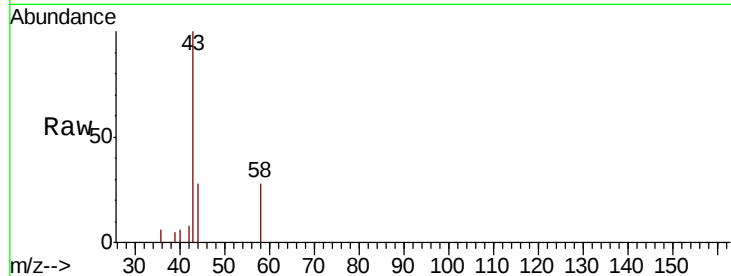
SA-MW129D-20180917

Tgt Ion: 43 Resp: 3915

Ion Ratio Lower Upper

43 100

58 28.3 24.6 36.8



#18

Methyl Acetate

Concen: 3.951 ug/l

RT: 2.44 min Scan# 394

Delta R.T. -0.18 min

Lab File: VU027104.D

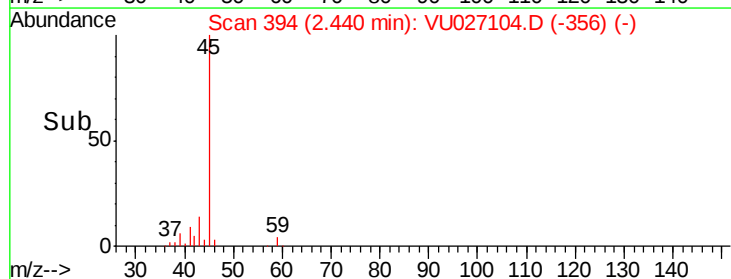
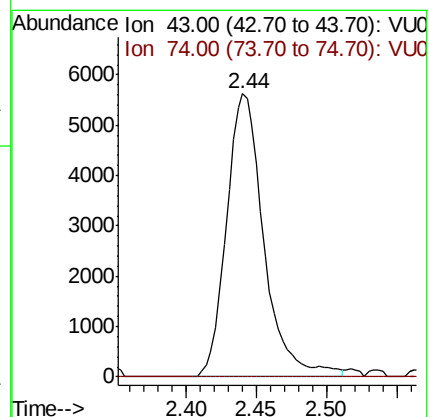
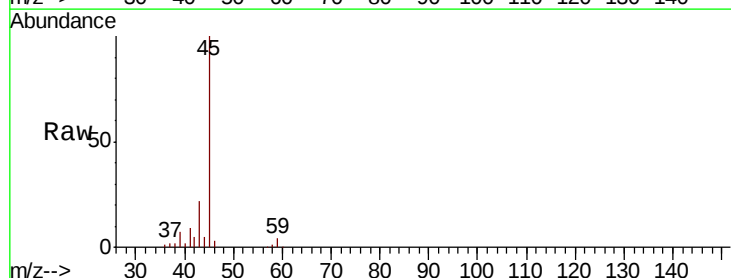
Acq: 24 Sep 2018 13:26

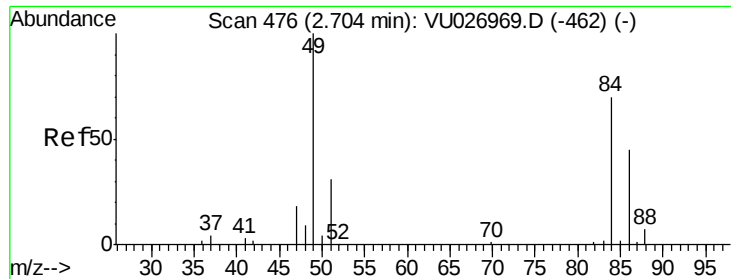
Tgt Ion: 43 Resp: 10410

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#

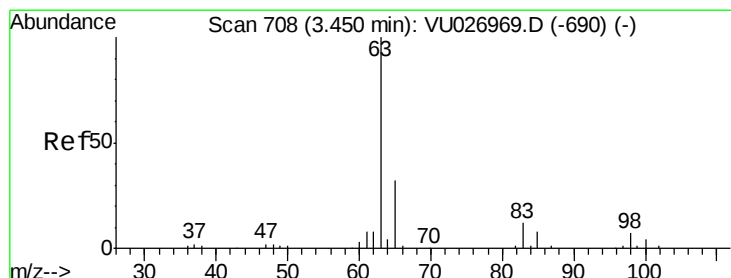
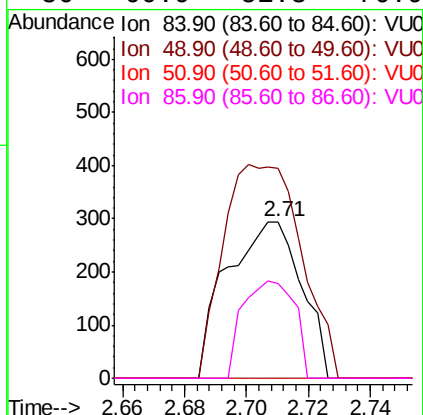
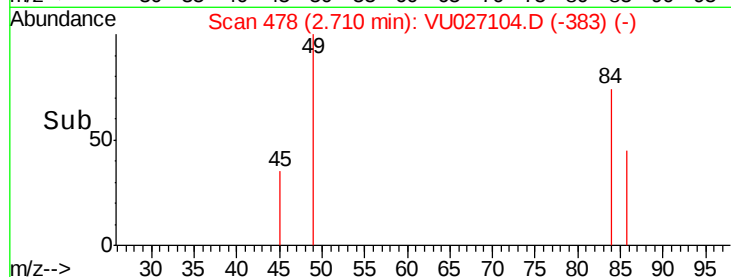
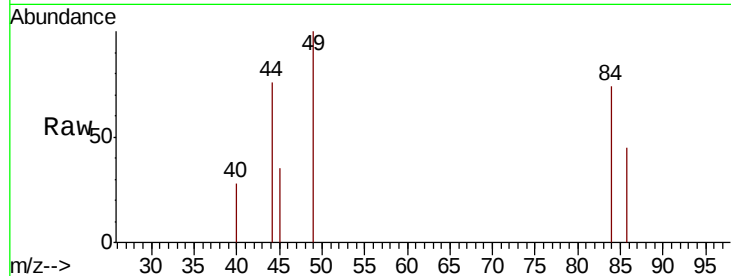




#20
Methylene Chloride
Concen: 0.298 ug/l
RT: 2.71 min Scan# 478
Delta R.T. 0.01 min
Lab File: VU027104.D
Acq: 24 Sep 2018 13:26

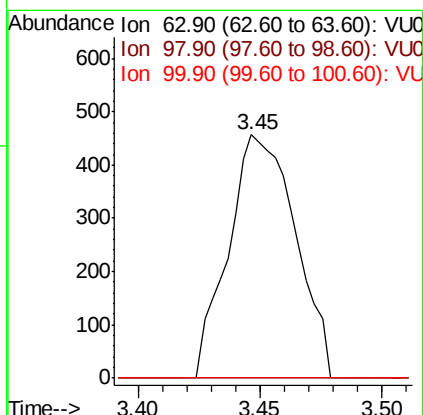
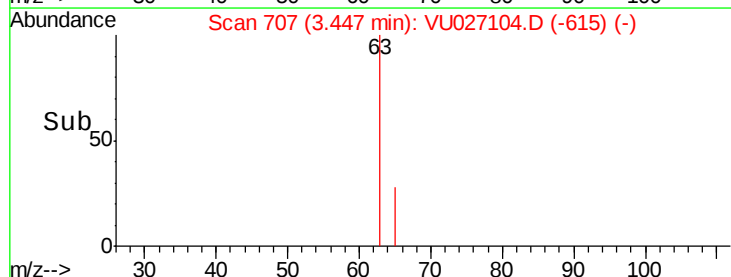
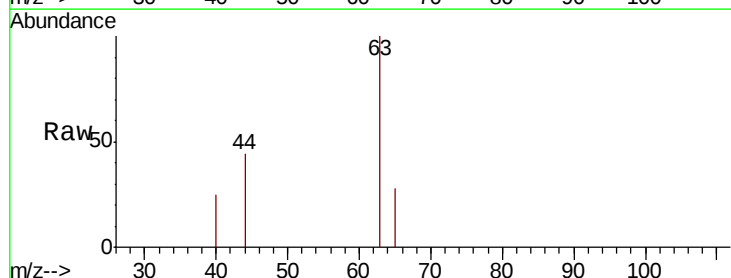
Instrument :
MSVOA_U
ClientSampleId :
SA-MW129D-20180917

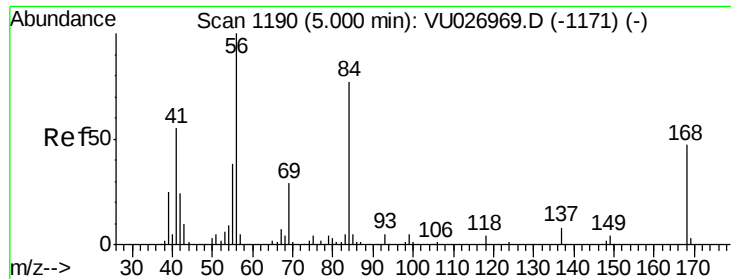
Tgt Ion: 84 Resp: 494
Ion Ratio Lower Upper
84 100
49 134.7 114.9 172.3
51 0.0 35.8 53.8#
86 60.9 51.3 76.9



#24
1,1-Dichloroethane
Concen: 0.286 ug/l
RT: 3.45 min Scan# 707
Delta R.T. -0.00 min
Lab File: VU027104.D
Acq: 24 Sep 2018 13:26

Tgt Ion: 63 Resp: 869
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.0 5.8#

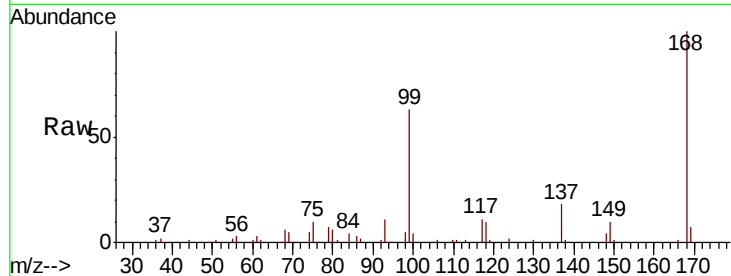




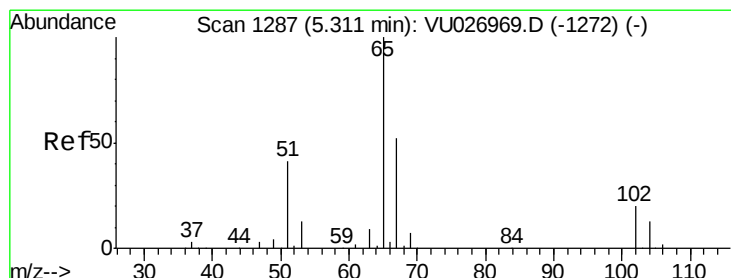
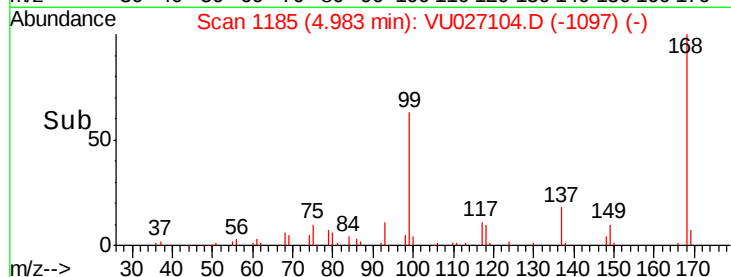
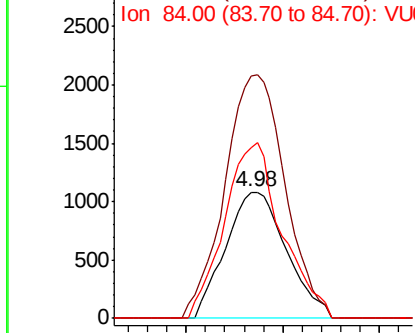
#31
Cyclohexane
Concen: 0.284 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027104.D
Acq: 24 Sep 2018 13:26

Instrument :
MSVOA_U
ClientSampleId :
SA-MW129D-20180917

Tgt Ion: 56 Resp: 2360
Ion Ratio Lower Upper
56 100
69 191.8 23.0 34.4#
84 135.5 61.4 92.2#

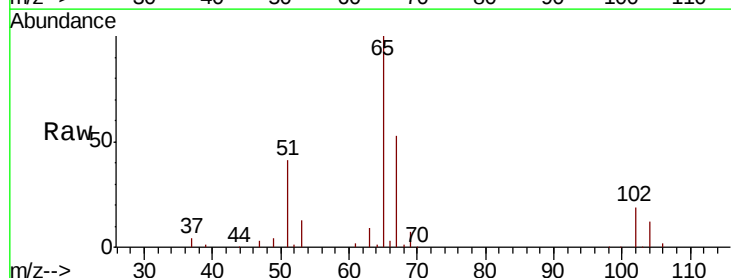


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

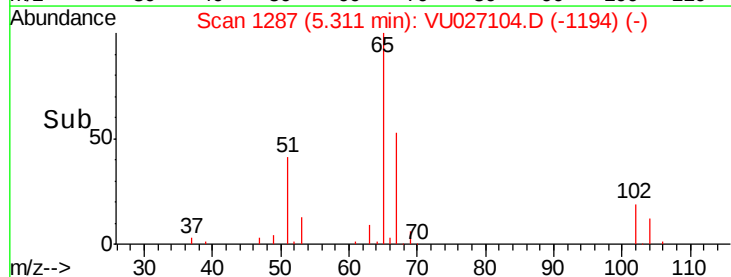
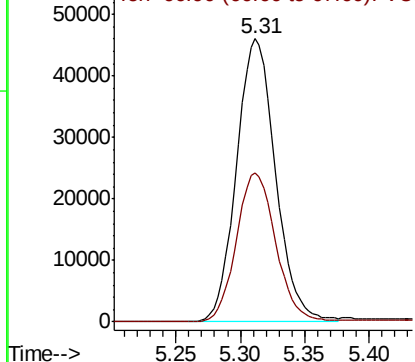


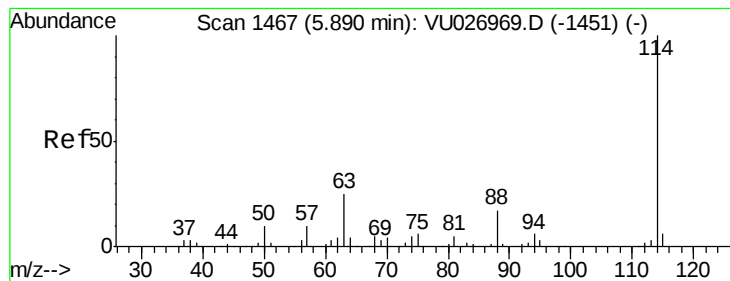
#33
1,2-Dichloroethane-d4
Concen: 52.509 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027104.D
Acq: 24 Sep 2018 13:26

Tgt Ion: 65 Resp: 97196
Ion Ratio Lower Upper
65 100
67 53.1 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# 1467

Delta R.T. 0.00 min

Lab File: VU027104.D

Acq: 24 Sep 2018 13:26

Instrument :

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SA-MW129D-20180917

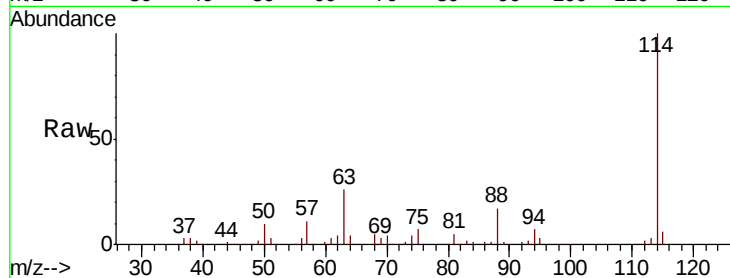
Tgt Ion:114 Resp: 158156

Ion Ratio Lower Upper

114 100

63 25.9 0.0 49.2

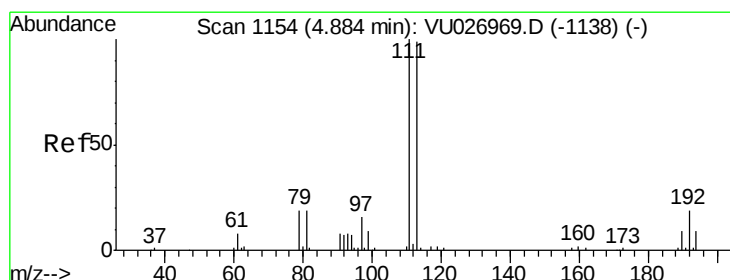
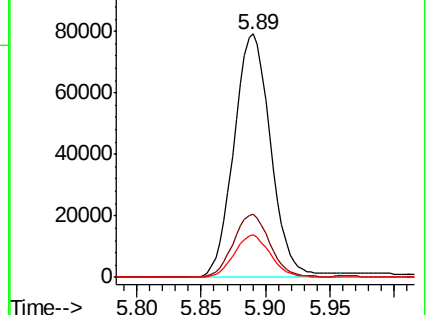
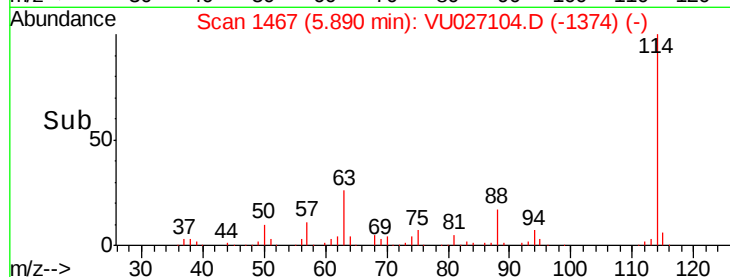
88 17.4 0.0 33.8



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: 48.689 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027104.D

Acq: 24 Sep 2018 13:26

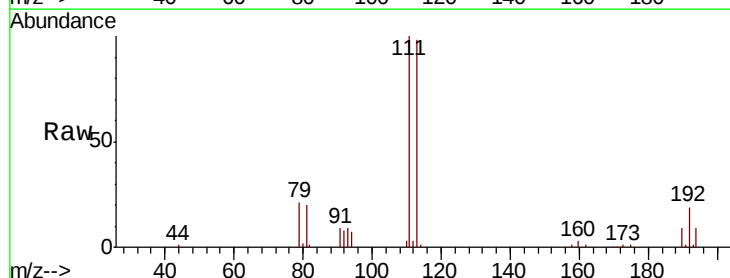
Tgt Ion:113 Resp: 66748

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

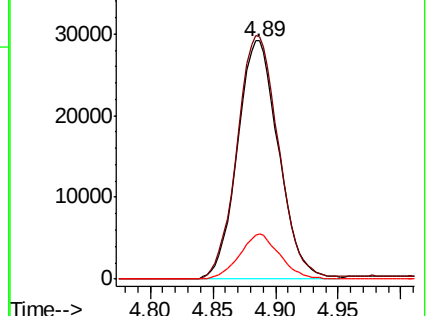
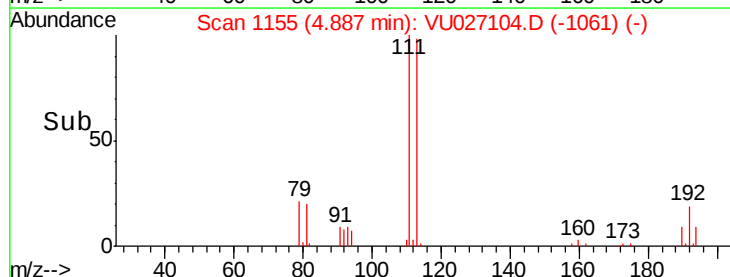
192 18.4 15.2 22.8

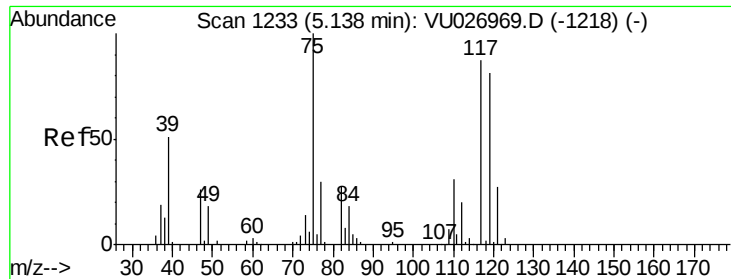


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

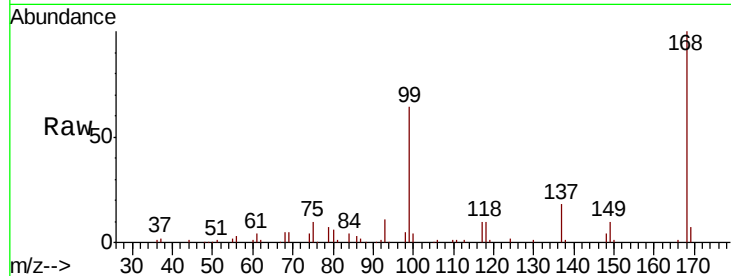




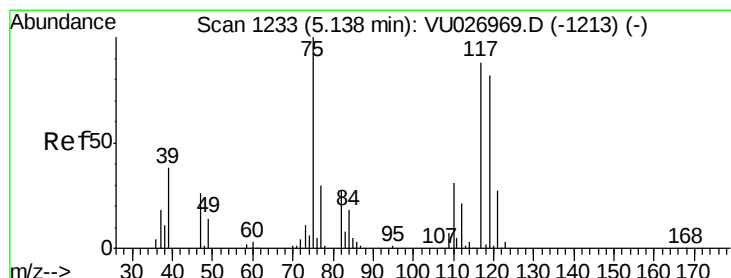
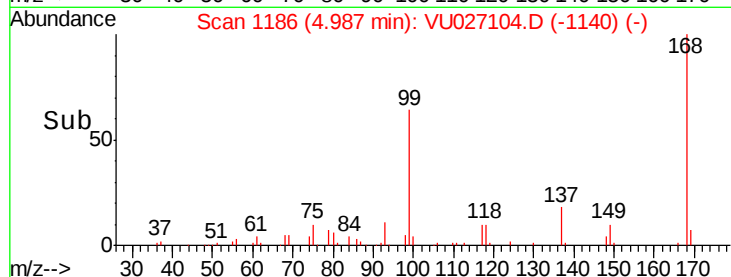
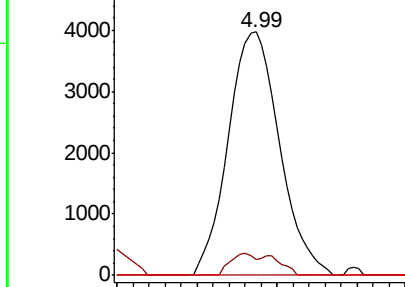
#36
 1,1-Dichloropropene
 Concen: 4.129 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027104.D
 Acq: 24 Sep 2018 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion: 75 Resp: 8716
 Ion Ratio Lower Upper
 75 100
 110 4.3 16.1 48.2#
 77 0.0 24.6 36.8#

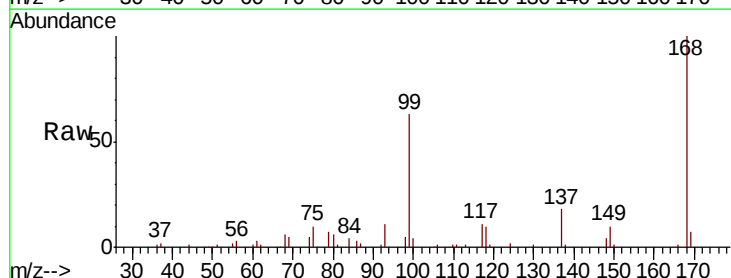


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

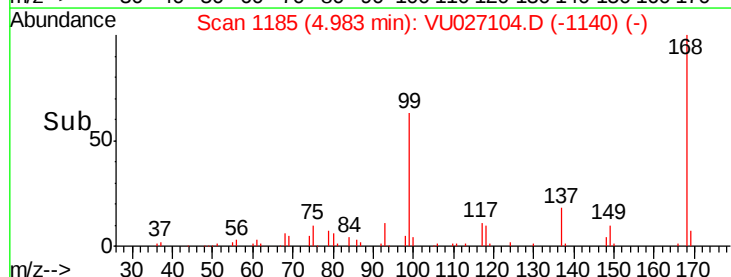
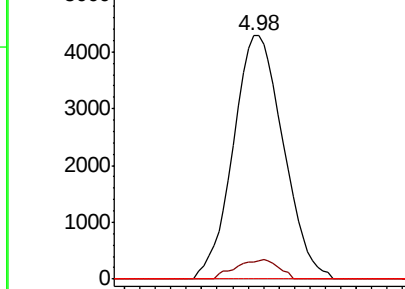


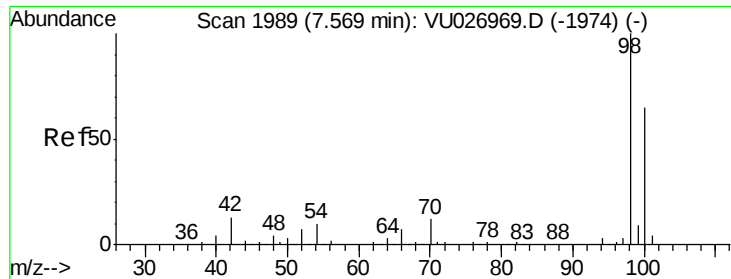
#38
 Carbon Tetrachloride
 Concen: 4.795 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027104.D
 Acq: 24 Sep 2018 13:26

Tgt Ion: 117 Resp: 9632
 Ion Ratio Lower Upper
 117 100
 119 7.2 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

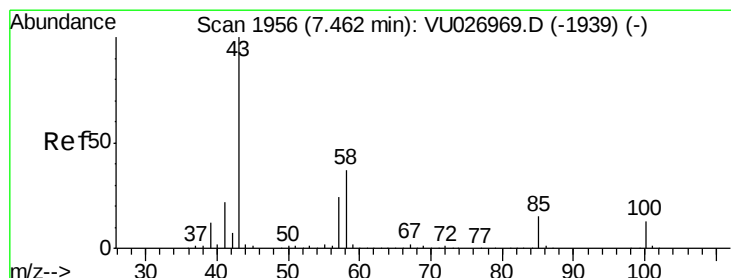
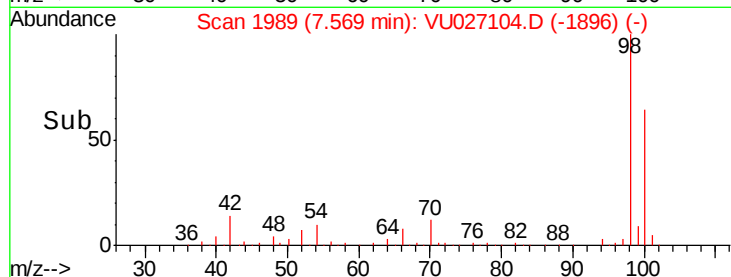
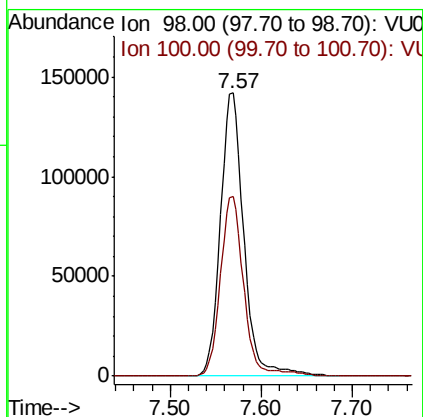
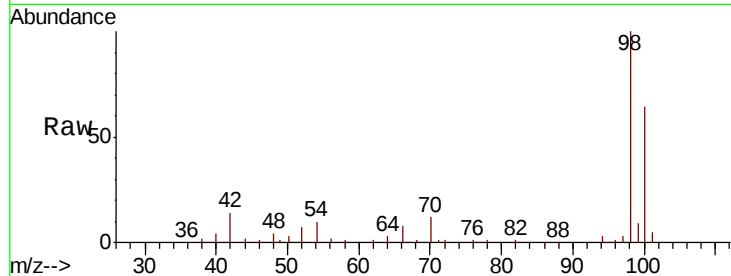




#50
Toluene-d8
Concen: 48.563 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027104.D
Acq: 24 Sep 2018 13:26

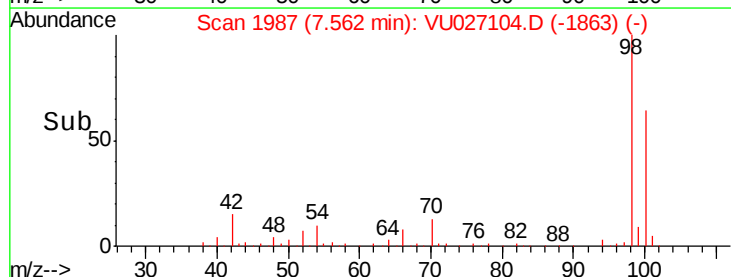
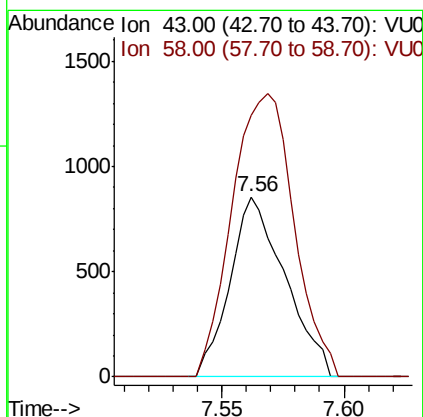
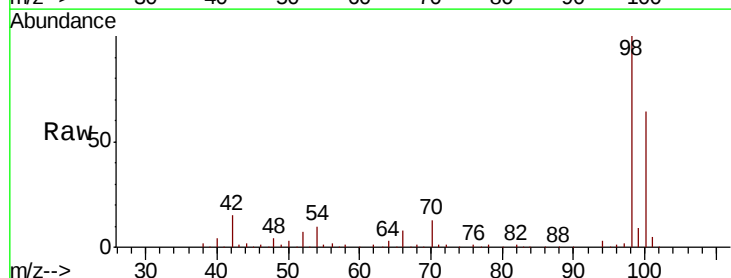
Instrument :
MSVOA_U
ClientSampleId :
SA-MW129D-20180917

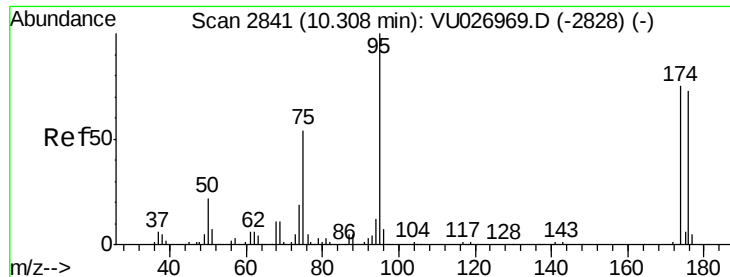
Tgt Ion: 98 Resp: 253718
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.477 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.10 min
Lab File: VU027104.D
Acq: 24 Sep 2018 13:26

Tgt Ion: 43 Resp: 1338
Ion Ratio Lower Upper
43 100
58 177.2 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 45.989 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027104.D

Acq: 24 Sep 2018 13:26

Instrument :

MSVOA_U

ClientSampleId :

SA-MW129D-20180917

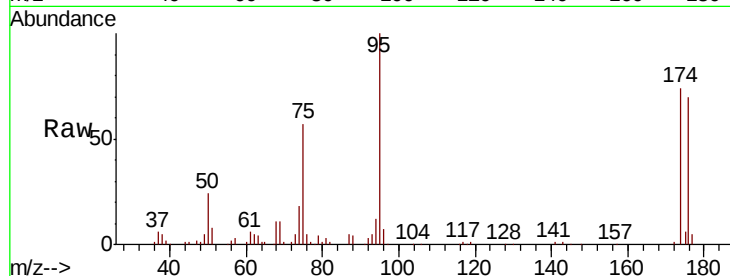
Tgt Ion: 95 Resp: 82444

Ion Ratio Lower Upper

95 100

174 73.0 0.0 150.2

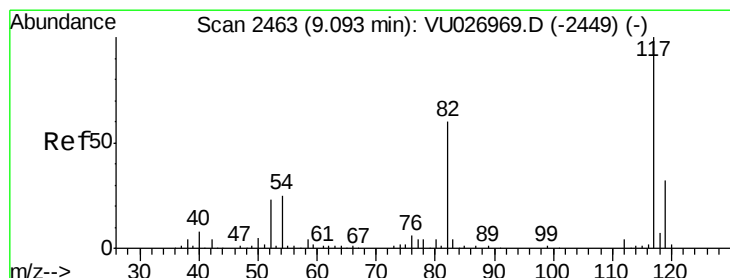
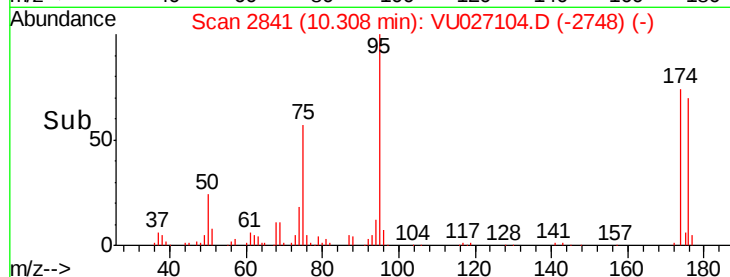
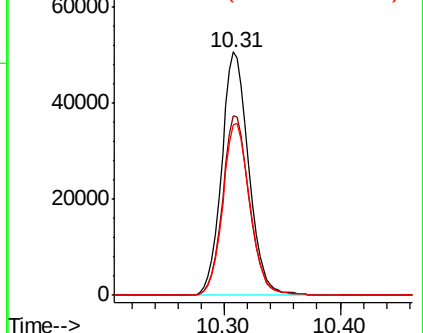
176 71.0 0.0 145.2



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: VU027104.D

Acq: 24 Sep 2018 13:26

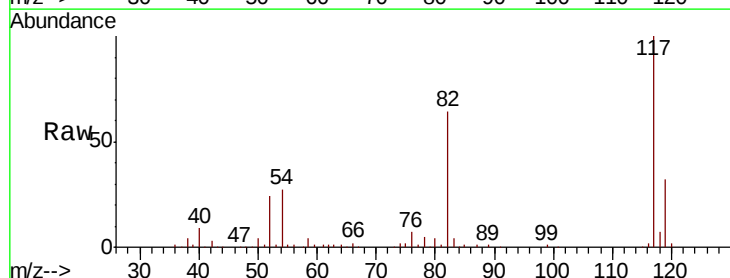
Tgt Ion: 117 Resp: 151781

Ion Ratio Lower Upper

117 100

82 63.5 48.0 72.0

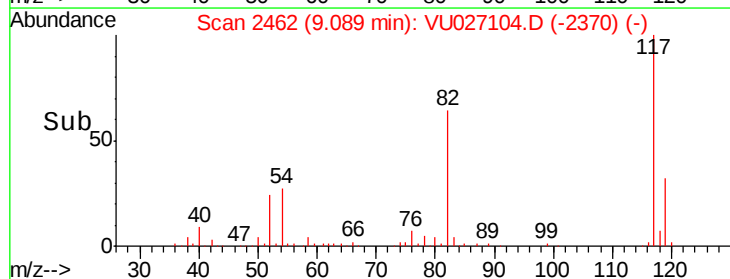
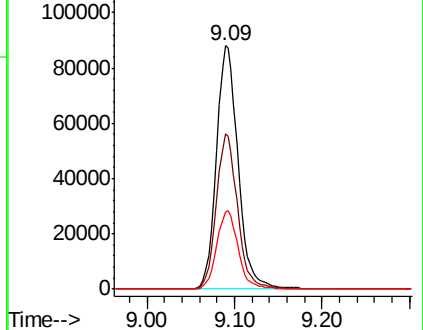
119 31.7 25.8 38.8

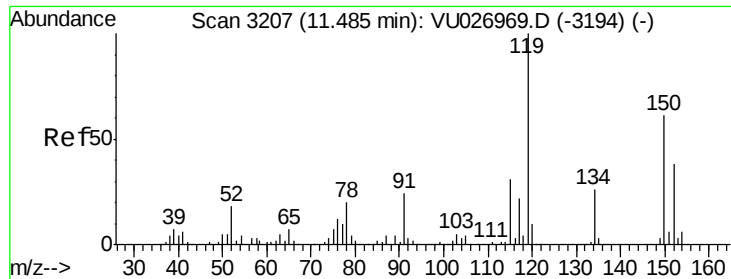


Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

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: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027104.D

Acq: 24 Sep 2018 13:26

Instrument :

MSVOA_U

ClientSampleId :

SA-MW129D-20180917

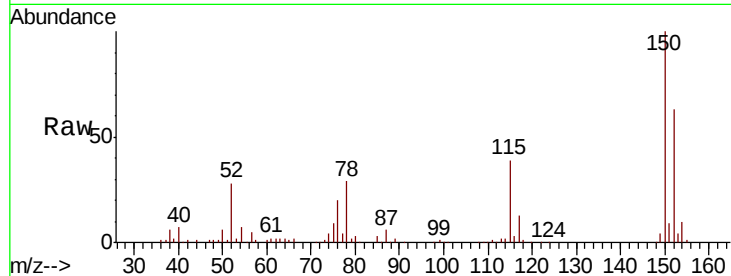
Tgt Ion:152 Resp: 70006

Ion Ratio Lower Upper

152 100

115 61.8 44.9 134.5

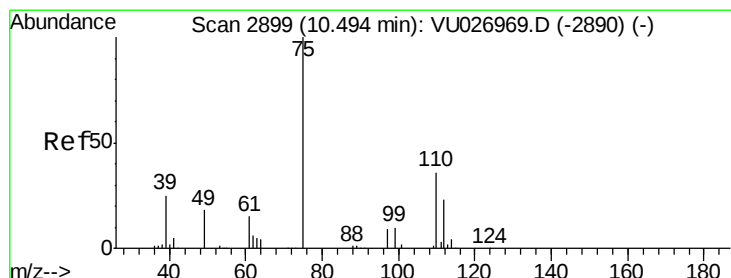
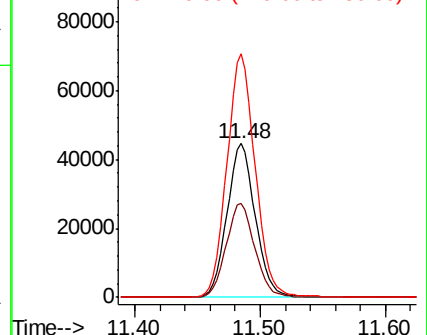
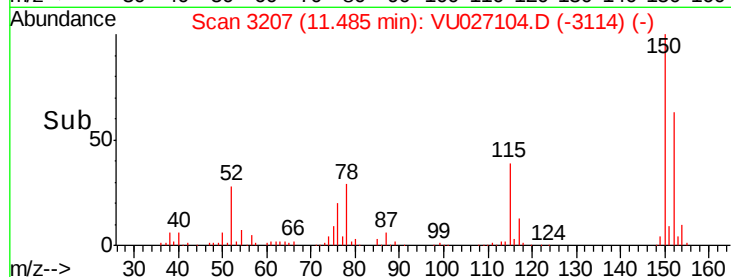
150 158.9 0.0 355.8



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: 21.625 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027104.D

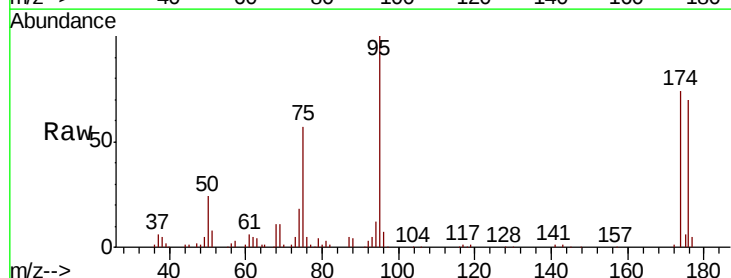
Acq: 24 Sep 2018 13:26

Tgt Ion: 75 Resp: 45992

Ion Ratio Lower Upper

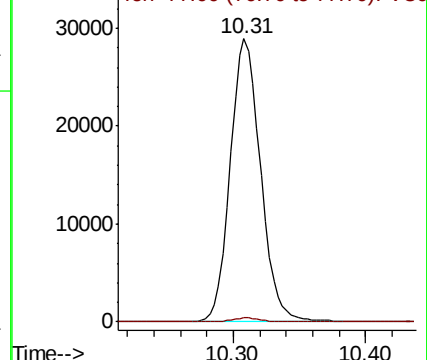
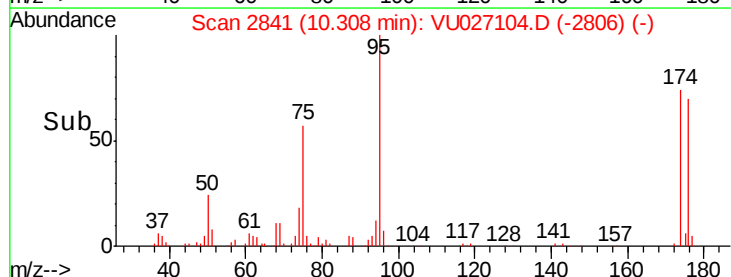
75 100

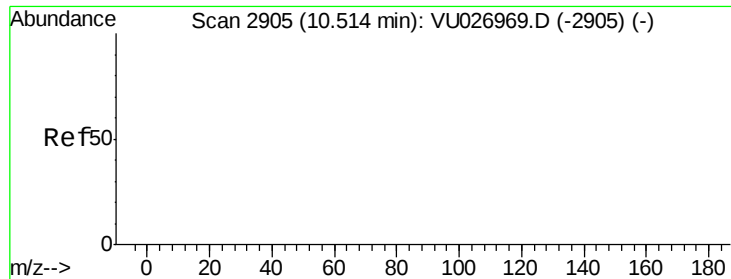
77 1.2 20.9 62.8#



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: 69.205 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027104.D
 Acq: 24 Sep 2018 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW129D-20180917

Tgt Ion: 75 Resp: 45992
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

