

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027147.D
 Acq On : 25 Sep 2018 23:46
 Operator : MD/SY
 Sample : J4968-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ179I-20180916

Quant Time: Sep 26 06:02:29 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	89636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	151213	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	147332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	66292	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	95193	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
35) Dibromofluoromethane	4.88	113	66147	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	7.57	98	244780	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	10.31	95	79265	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	

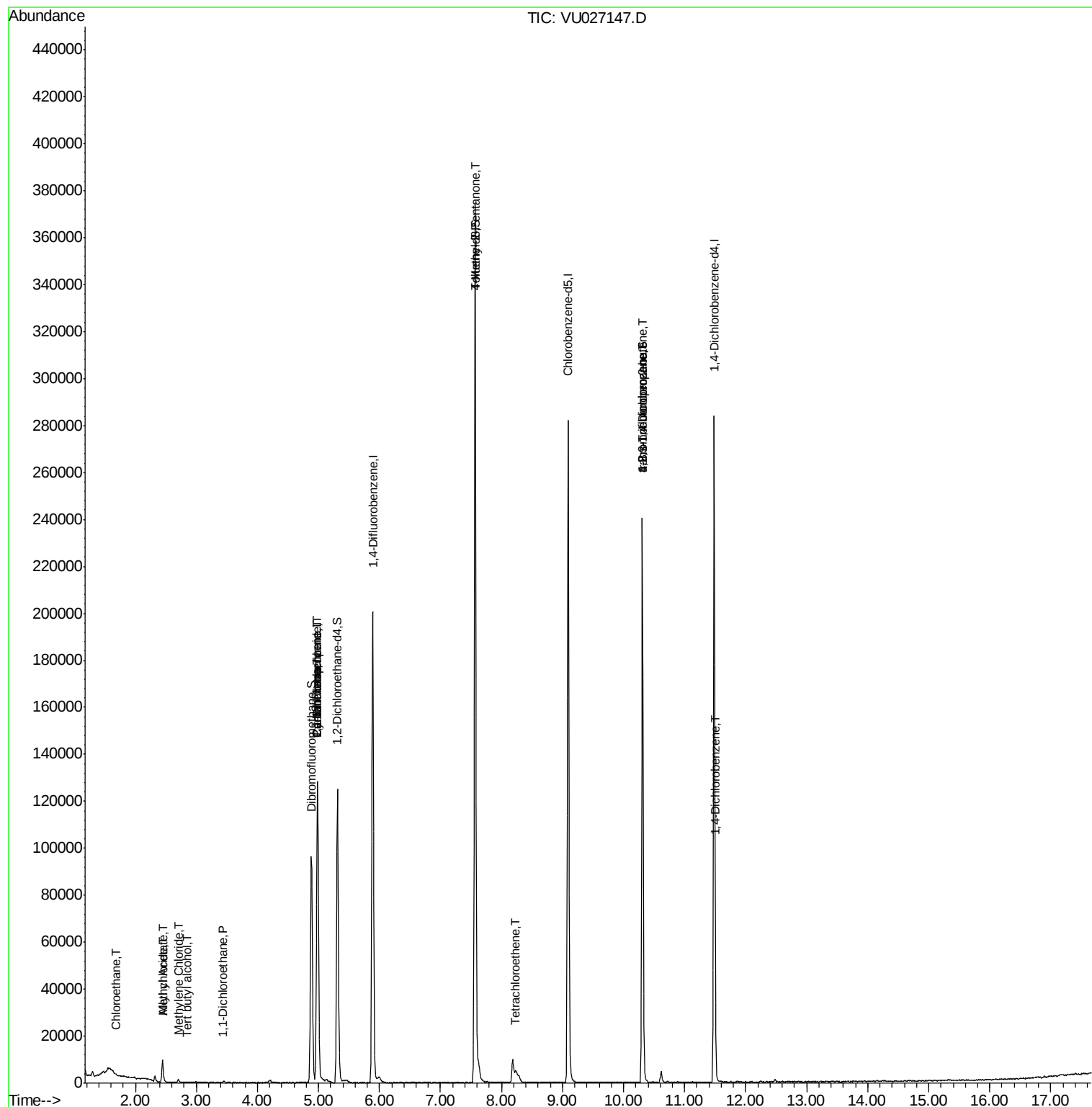
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.68	64	333	0.277	ug/l #	43
11) Tert butyl alcohol	2.84	59	85	0.206	ug/l #	72
14) Allyl chloride	2.44	41	946	0.377	ug/l #	67
16) Acetone	2.32	43	2653	Below Cal		99
18) Methyl Acetate	2.45	43	2541	0.990	ug/l #	55
20) Methylene Chloride	2.70	84	510	0.316	ug/l #	92
24) 1,1-Dichloroethane	3.44	63	675	0.228	ug/l #	84
31) Cyclohexane	4.98	56	2368	0.309	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8671	4.297	ug/l #	49
38) Carbon Tetrachloride	4.98	117	9461	4.926	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1295	0.483	ug/l #	1
64) Tetrachloroethene	8.23	164	319	0.281	ug/l #	80
76) 1,2,3-Trichloropropane	10.31	75	43772	21.735	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	43772	69.555	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	578	0.231	ug/l #	36

(#) = 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: VU027147.D

Acq: 25 Sep 2018 23:46

Instrument :

MSVOA_U

ClientSampleId :

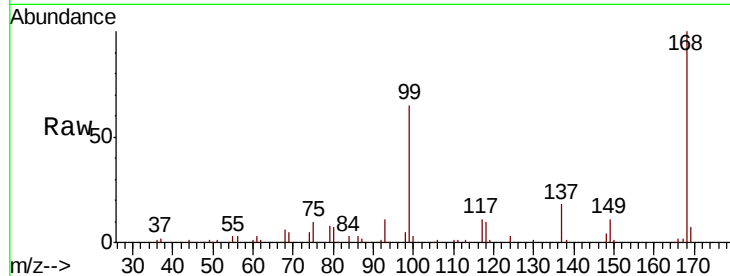
SA-PZ179I-20180916

Tot Ion:168 Resp: 89636

Ion Ratio Lower Upper

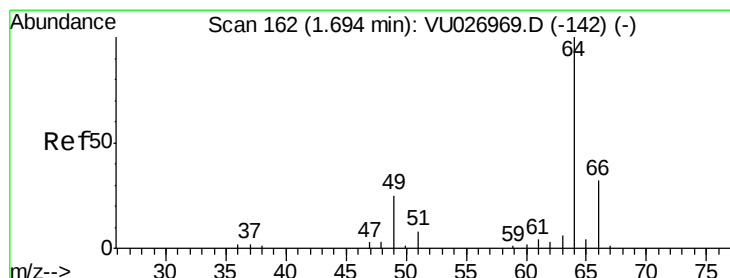
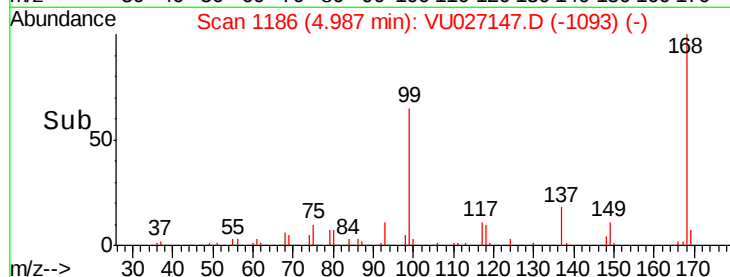
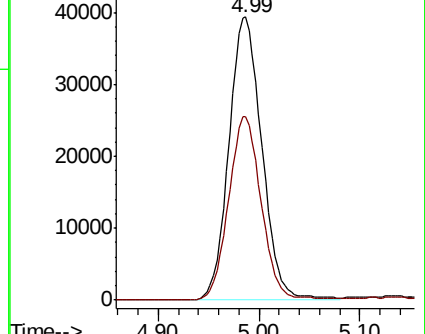
168 100

99 64.9 48.1 72.1



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

Ion 98.90 (98.60 to 99.60): VU027147.D (-1093) (-)



#6

Chloroethane

Concen: 0.277 ug/l

RT: 1.68 min Scan# 157

Delta R.T. -0.02 min

Lab File: VU027147.D

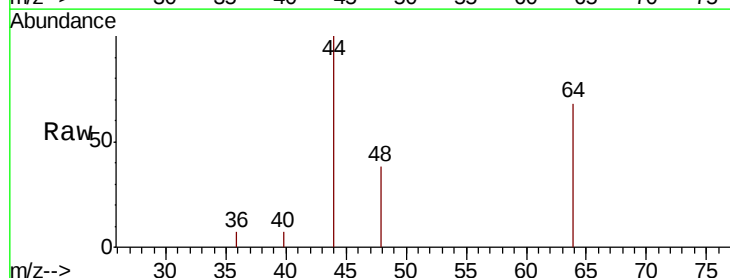
Acq: 25 Sep 2018 23:46

Tgt Ion: 64 Resp: 333

Ion Ratio Lower Upper

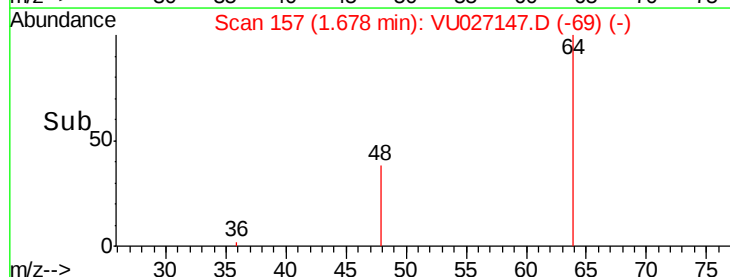
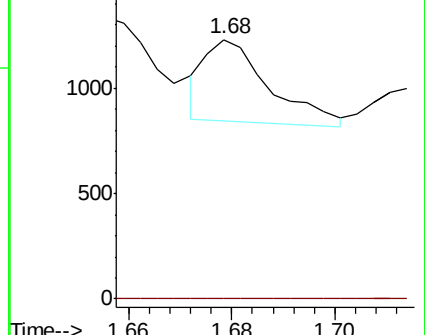
64 100

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): VU027147.D (-69) (-)



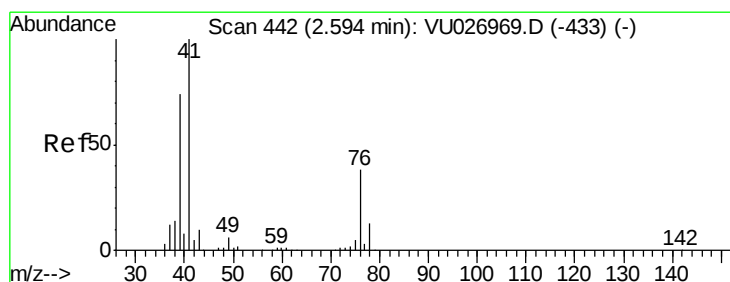
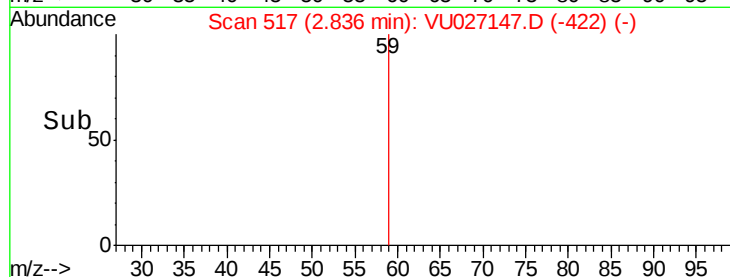
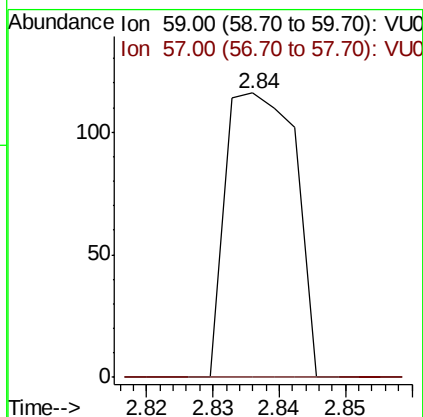
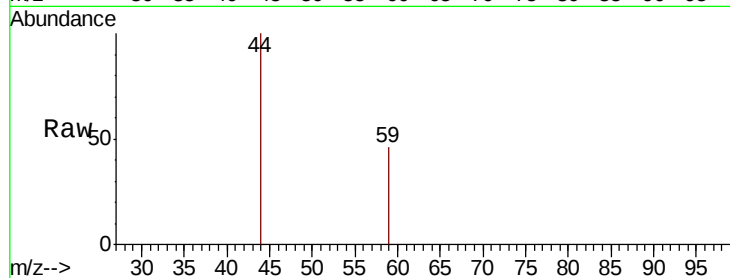


#11

Tert butyl alcohol
 Concen: 0.206 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VU027147.D
 Acq: 25 Sep 2018 23:46

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ179I-20180916

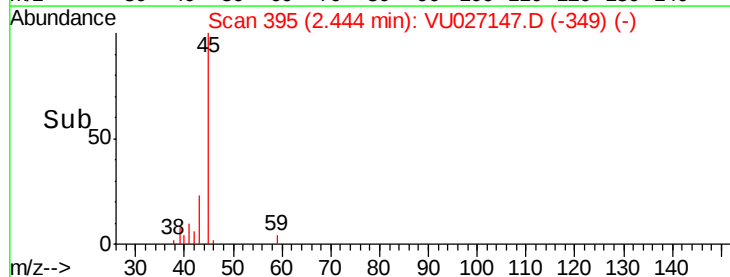
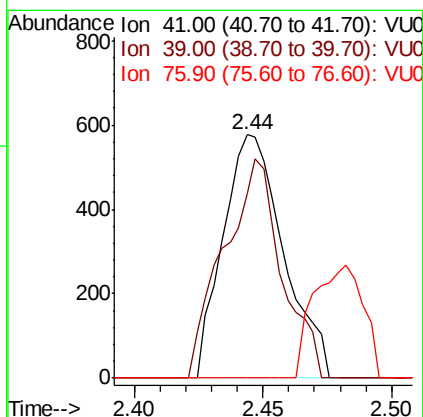
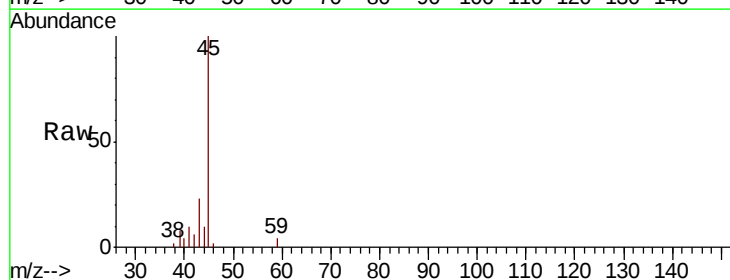
Tot Ion: 59 Resp: 85
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

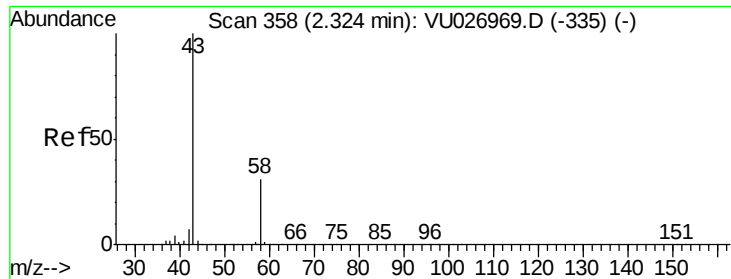


#14

Allyl chloride
 Concen: 0.377 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027147.D
 Acq: 25 Sep 2018 23:46

Tgt Ion: 41 Resp: 946
 Ion Ratio Lower Upper
 41 100
 39 86.2 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: VU027147.D

Acq: 25 Sep 2018 23:46

Instrument :

MSVOA_U

ClientSampleId :

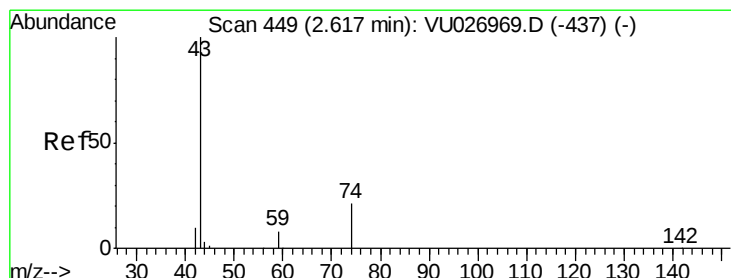
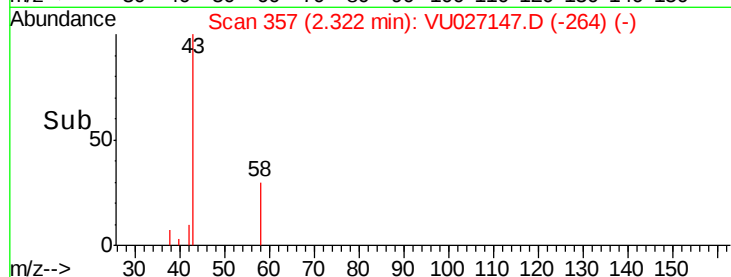
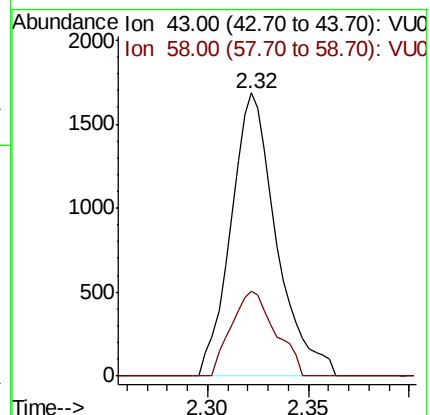
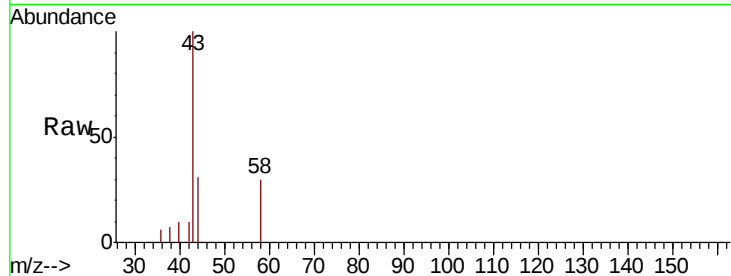
SA-PZ179I-20180916

Tot Ion: 43 Resp: 2653

Ion Ratio Lower Upper

43 100

58 30.1 24.6 36.8



#18

Methyl Acetate

Concen: 0.990 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.17 min

Lab File: VU027147.D

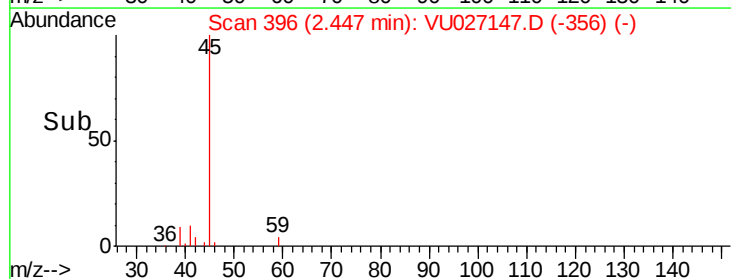
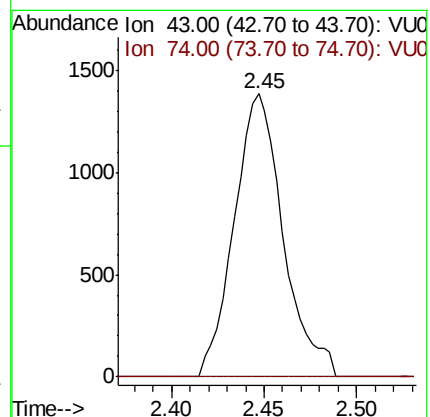
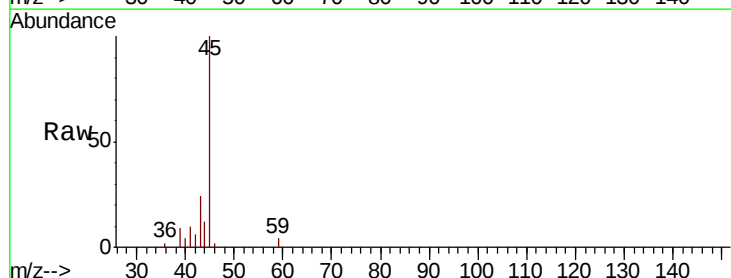
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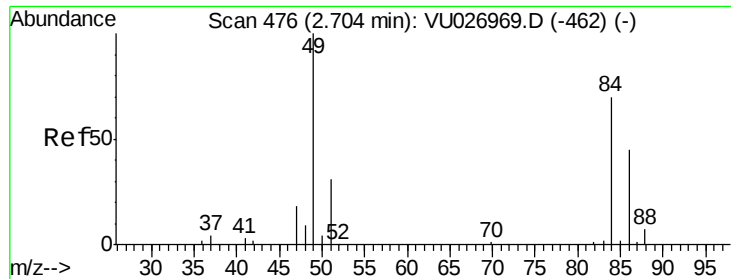
Tgt Ion: 43 Resp: 2541

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#

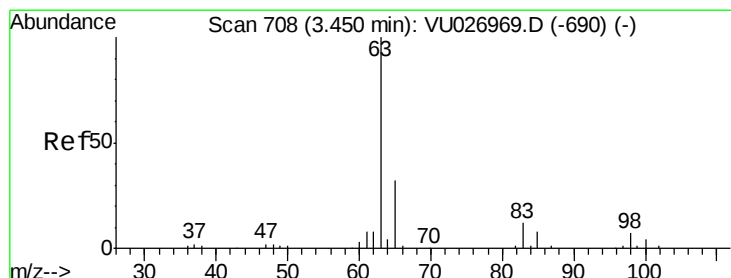
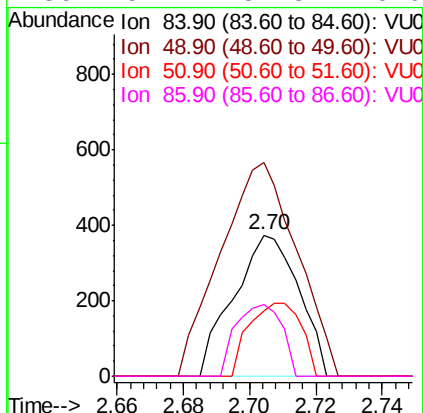
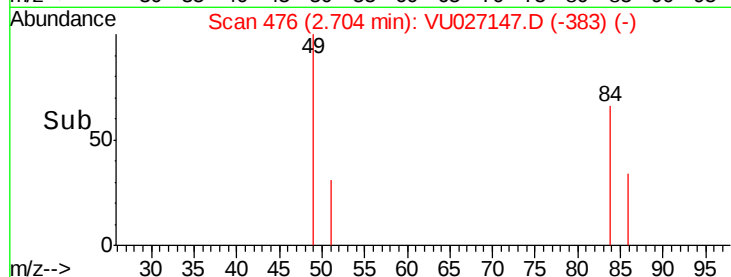
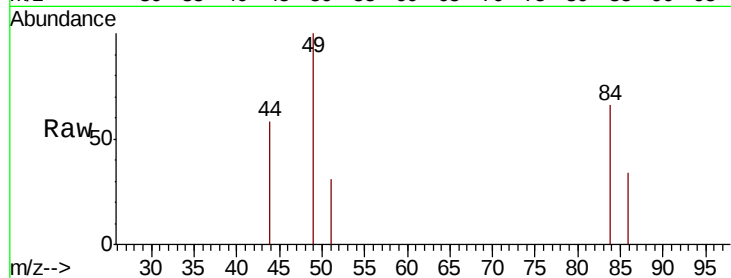




#20
Methvlene Chloride
Concen: 0.316 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027147.D
Acq: 25 Sep 2018 23:46

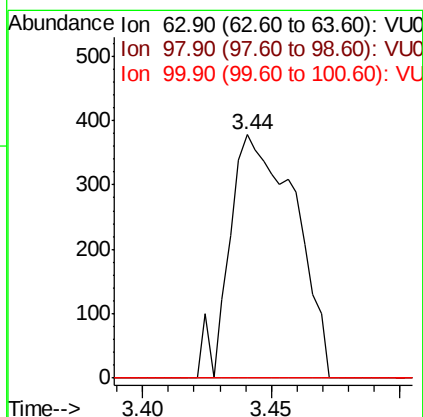
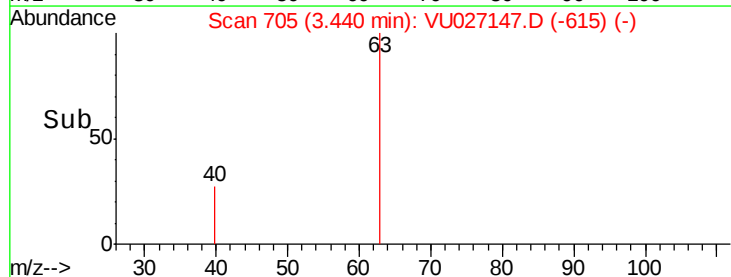
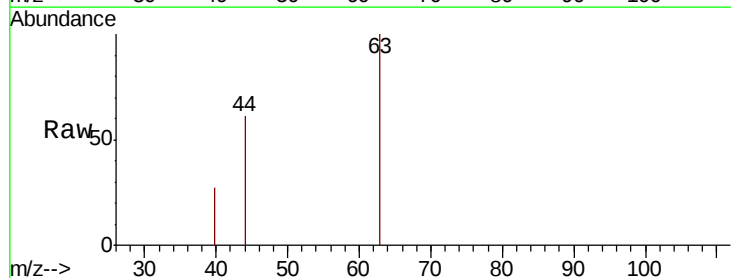
Instrument :
MSVOA_U
ClientSampleId :
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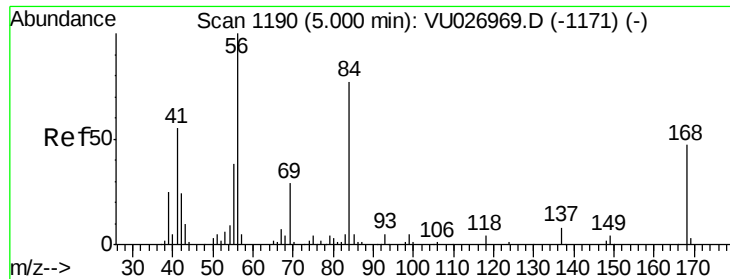
Tot Ion:	84	Resp:	510
Ion	Ratio	Lower	Upper
84	100		
49	151.3	114.9	172.3
51	46.3	35.8	53.8
86	51.1	51.3	76.9#



#24
1,1-Dichloroethane
Concen: 0.228 ug/l
RT: 3.44 min Scan# 705
Delta R.T. -0.01 min
Lab File: VU027147.D
Acq: 25 Sep 2018 23:46

Tgt Ion:	63	Resp:	675
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.0	5.8#

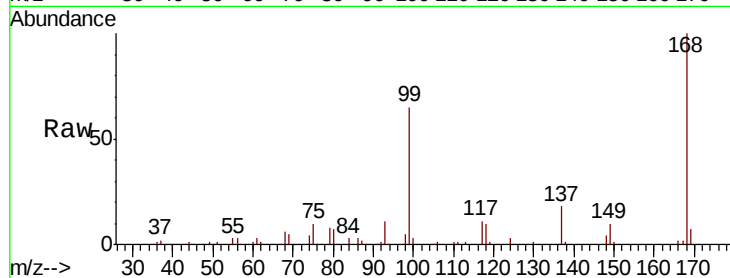




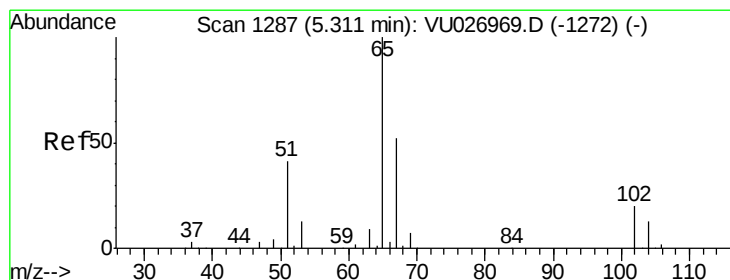
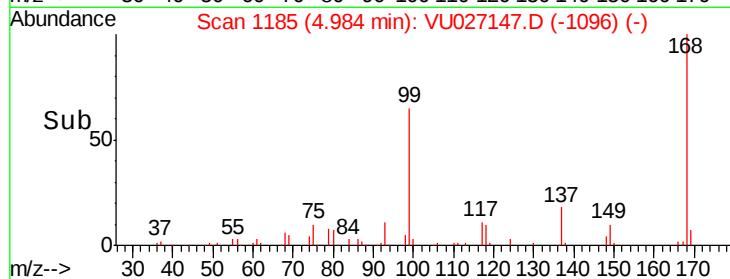
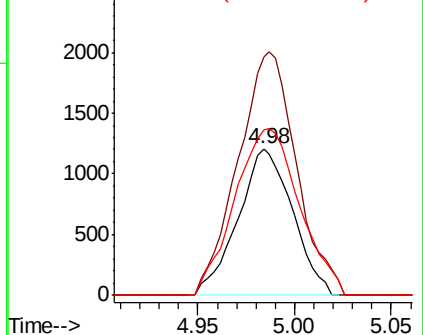
#31
Cyclohexane
Concen: 0.309 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027147.D
Acq: 25 Sep 2018 23:46

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ179I-20180916

Tot Ion: 56 Resp: 2368
Ion Ratio Lower Upper
56 100
69 162.5 23.0 34.4#
84 112.7 61.4 92.2#

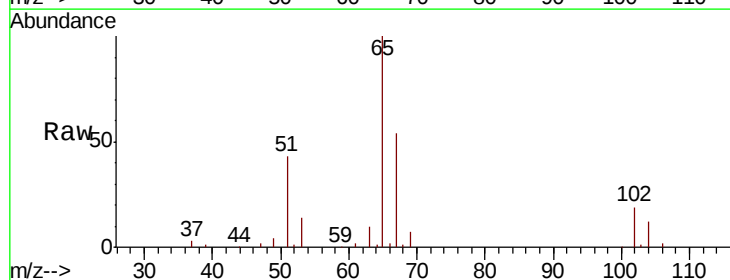


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

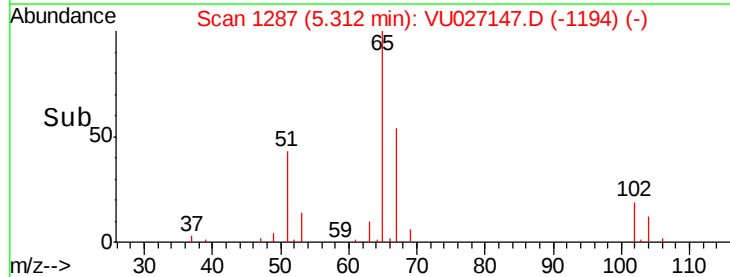
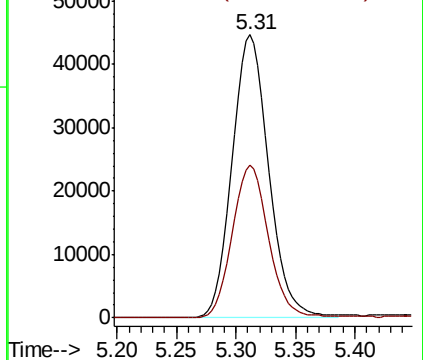


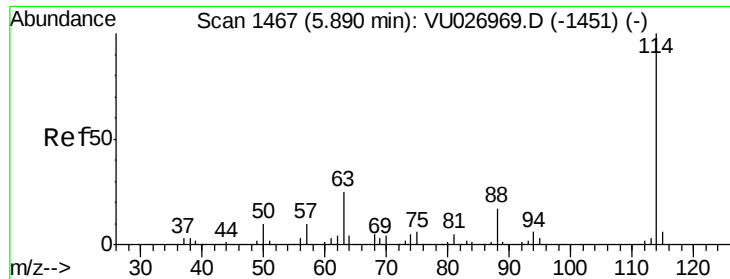
#33
1,2-Dichloroethane-d4
Concen: 52.766 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027147.D
Acq: 25 Sep 2018 23:46

Tgt Ion: 65 Resp: 95193
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.6



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

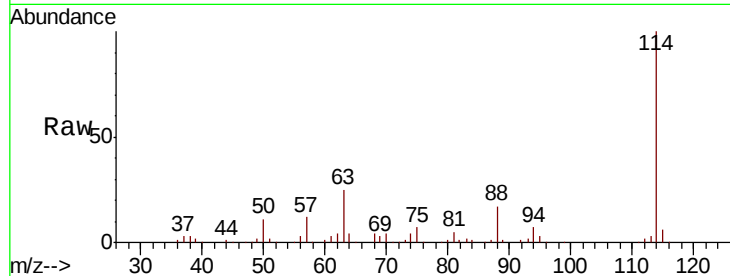




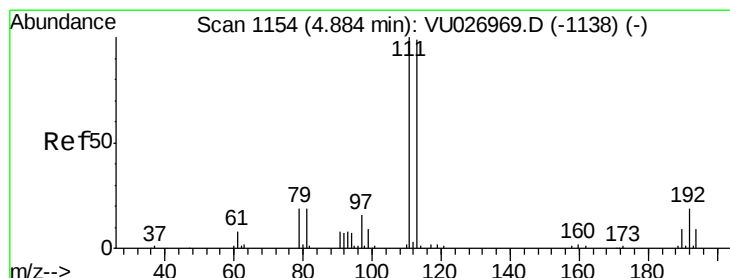
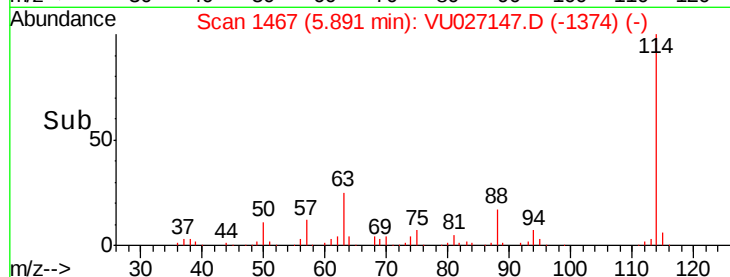
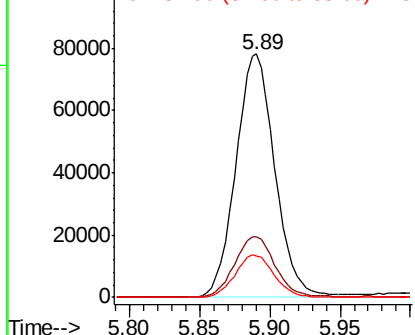
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027147.D
 Acq: 25 Sep 2018 23:46

Instrument :
 MSVOA_U
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 SA-PZ179I-20180916

Tot Ion:114 Resp: 151213
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 17.2 0.0 33.8

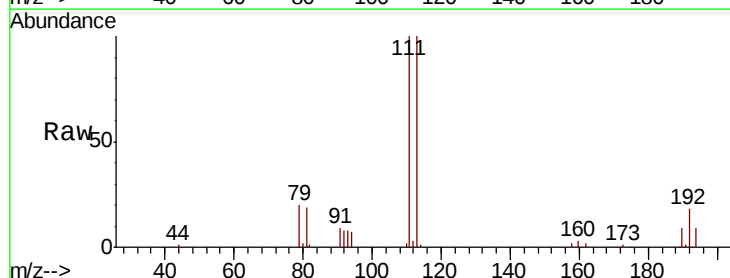


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

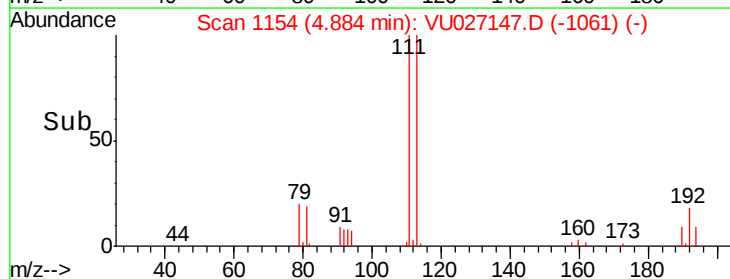
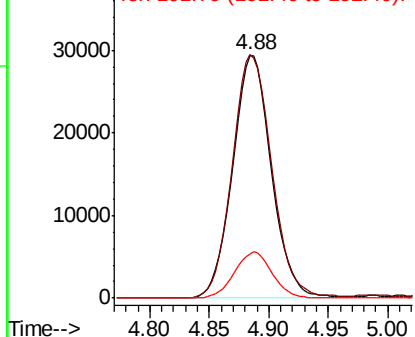


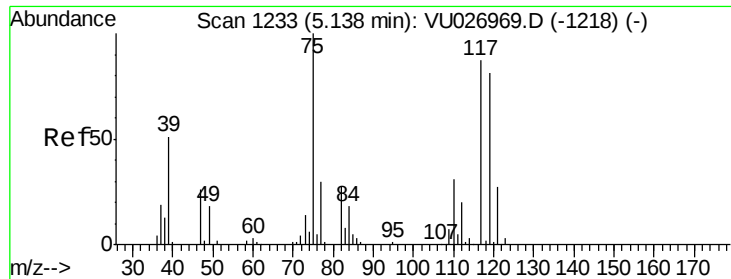
#35
 Dibromofluoromethane
 Concen: 50.466 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027147.D
 Acq: 25 Sep 2018 23:46

Tgt Ion:113 Resp: 66147
 Ion Ratio Lower Upper
 113 100
 111 102.5 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

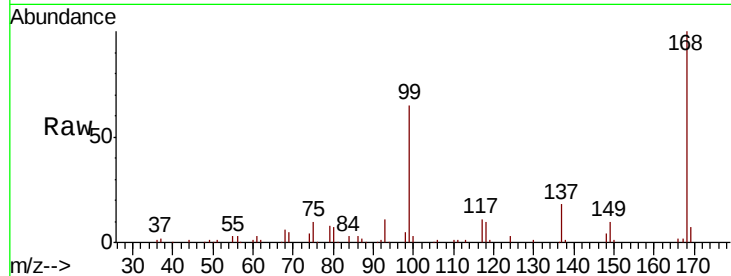




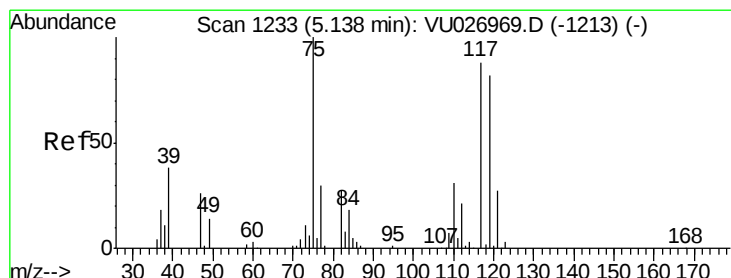
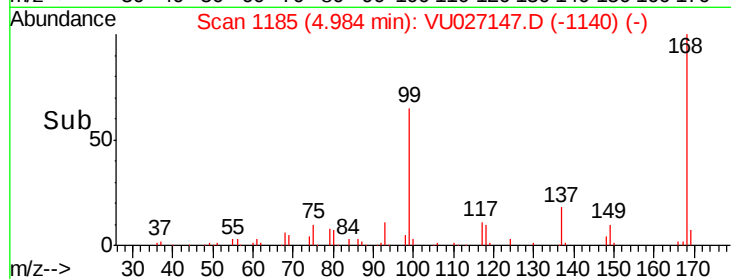
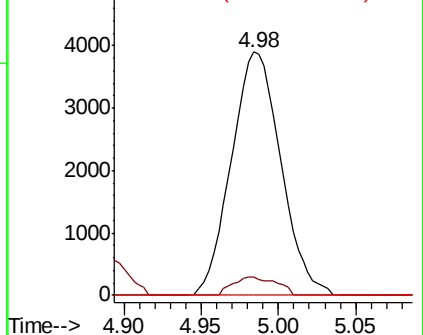
#36
 1,1-Dichloropropene
 Concen: 4.297 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027147.D
 Acq: 25 Sep 2018 23:46

Instrument :
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 SA-PZ179I-20180916

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.6	16.1	48.2#
77	0.0	24.6	36.8#

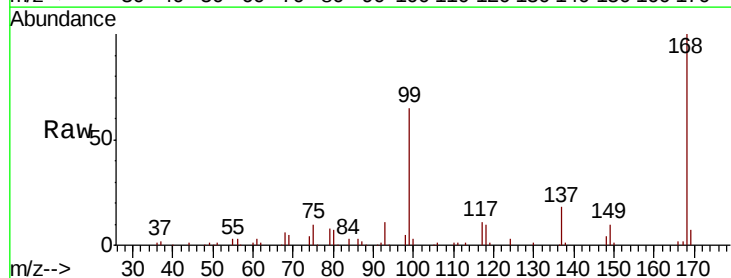


Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-1218) (-)
 Ion 109.90 (109.60 to 110.60): VU026969.D (-1218) (-)
 Ion 76.90 (76.60 to 77.60): VU026969.D (-1218) (-)

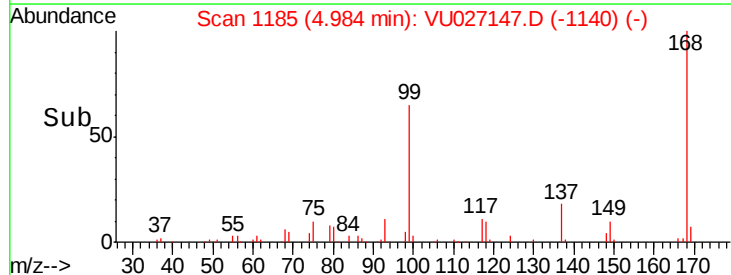
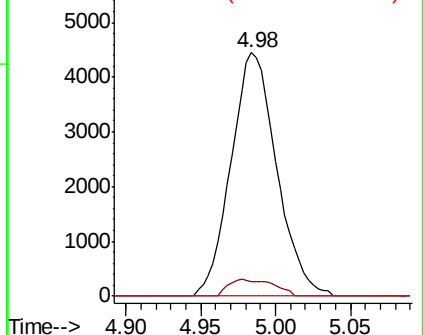


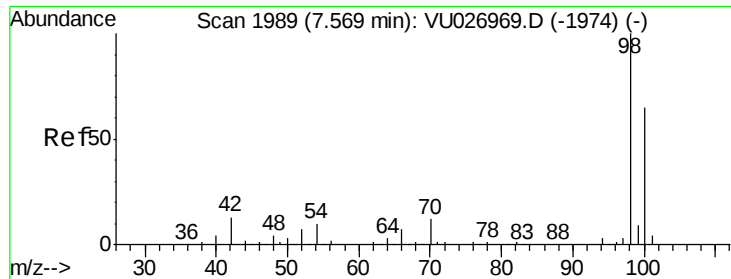
#38
 Carbon Tetrachloride
 Concen: 4.926 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027147.D
 Acq: 25 Sep 2018 23:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	74.4	111.6#
121	0.0	24.2	36.4#



Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)
 Ion 118.80 (118.50 to 119.50): VU026969.D (-1213) (-)
 Ion 120.80 (120.50 to 121.50): VU026969.D (-1213) (-)





#50

Toluene-d8

Concen: 49.003 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027147.D

Acq: 25 Sep 2018 23:46

Instrument :

MSVOA_U

ClientSampleId :

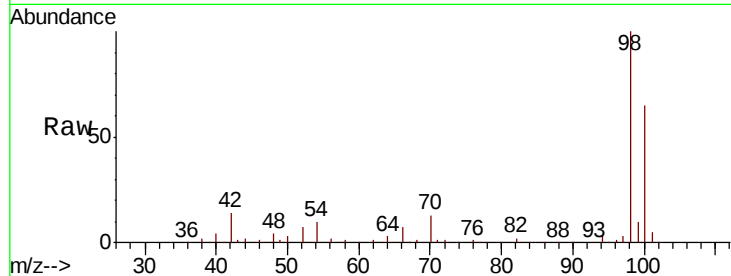
SA-PZ179I-20180916

Tot Ion: 98 Resp: 244780

Ion Ratio Lower Upper

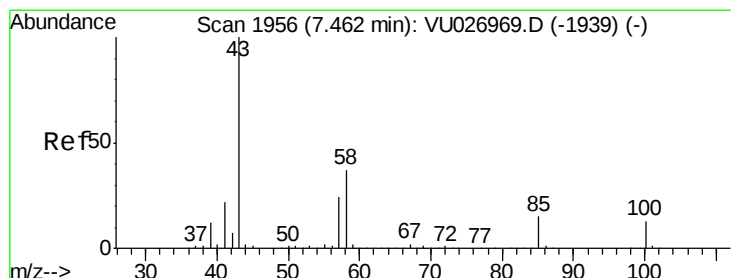
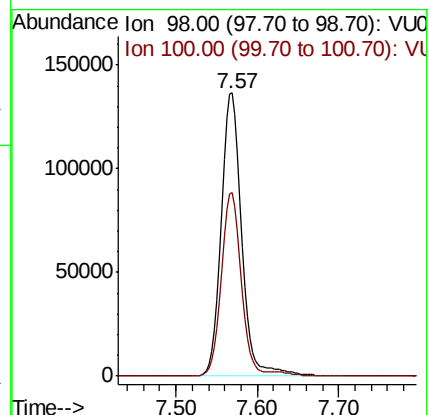
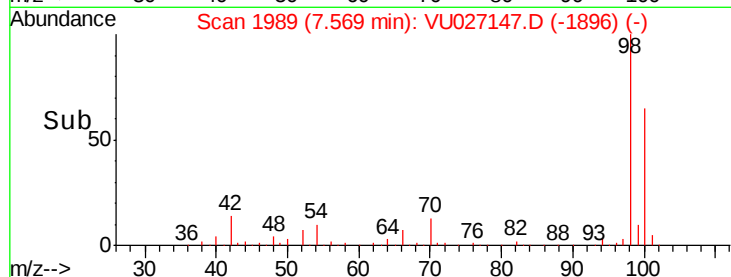
98 100

100 64.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU027147.D (-1896) (-)

Ion 100.00 (99.70 to 100.70): VU027147.D (-1896) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.483 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027147.D

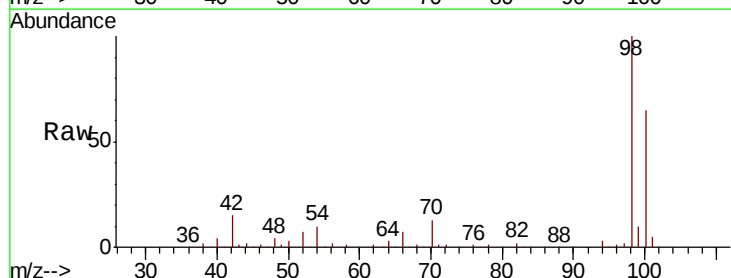
Acq: 25 Sep 2018 23:46

Tgt Ion: 43 Resp: 1295

Ion Ratio Lower Upper

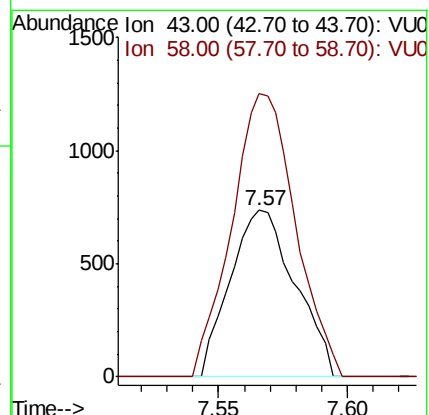
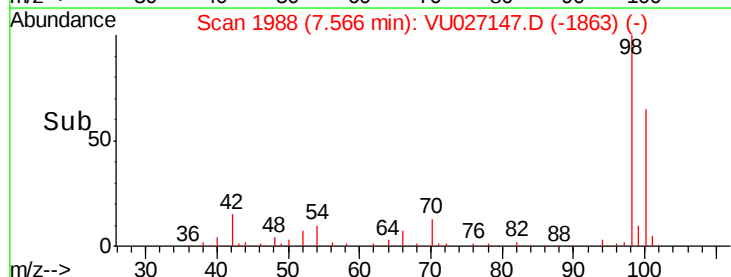
43 100

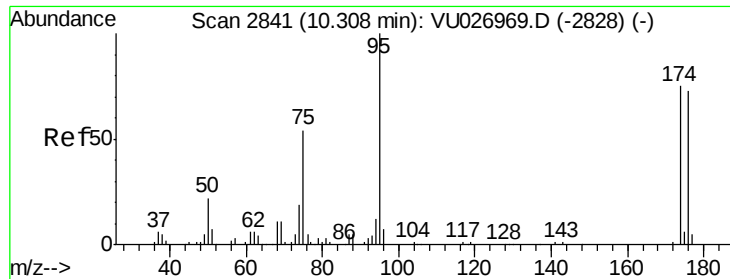
58 166.4 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU027147.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU027147.D (-1863) (-)

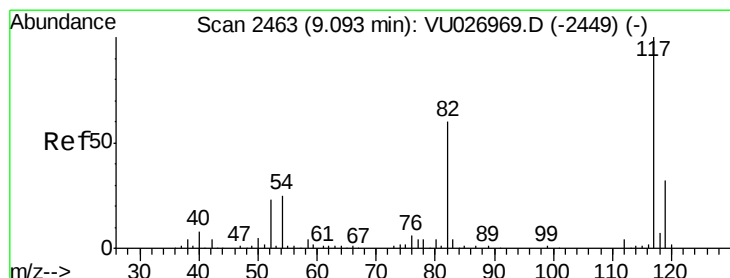
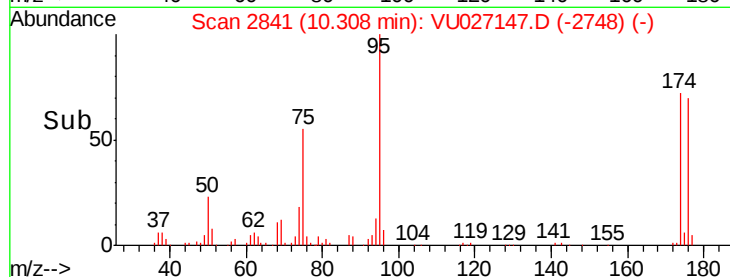
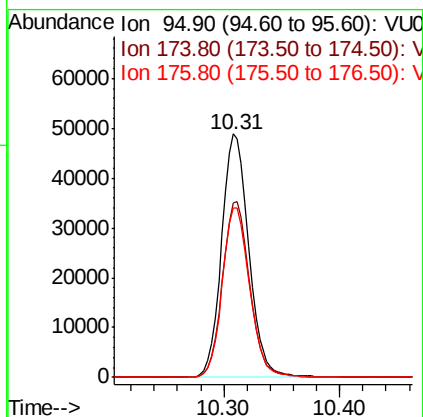
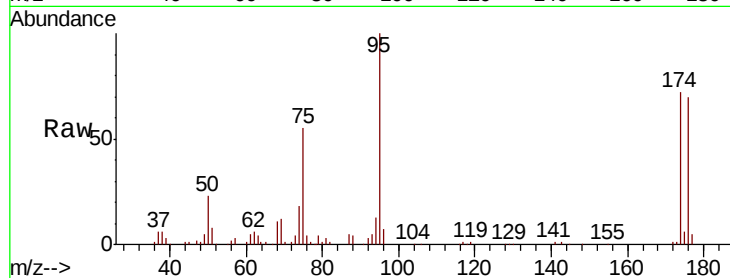




#62
4-Bromofluorobenzene
Concen: 46.245 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027147.D
Acq: 25 Sep 2018 23:46

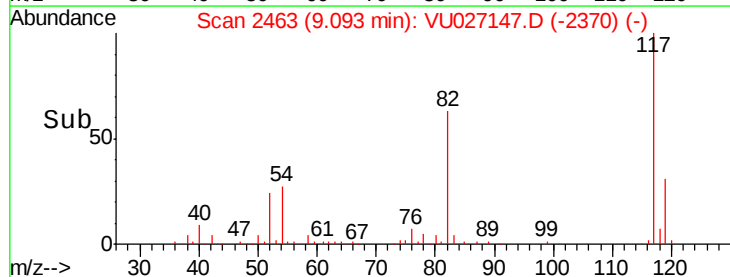
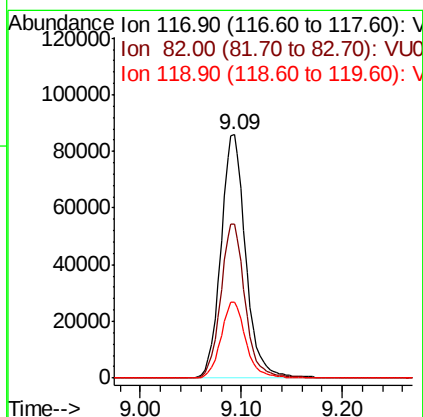
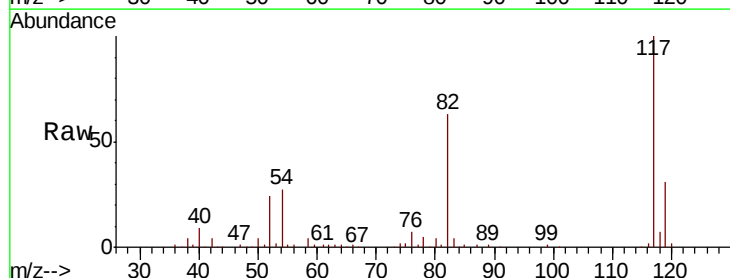
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ179I-20180916

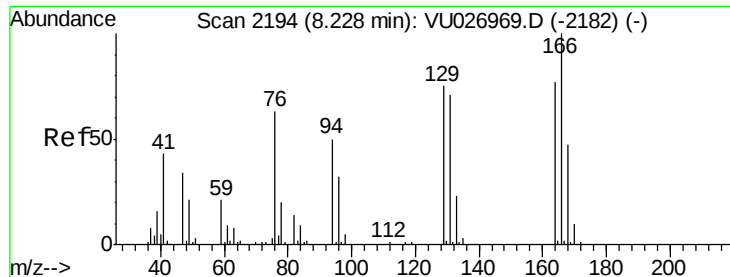
Tot Ion: 95 Resp: 79265
Ion Ratio Lower Upper
95 100
174 72.5 0.0 150.2
176 69.9 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027147.D
Acq: 25 Sep 2018 23:46

Tgt Ion: 117 Resp: 147332
Ion Ratio Lower Upper
117 100
82 63.1 48.0 72.0
119 31.4 25.8 38.8





#64

Tetrachloroethene

Concen: 0.281 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027147.D

Acq: 25 Sep 2018 23:46

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ179I-20180916

Tot Ion:164 Resp: 319

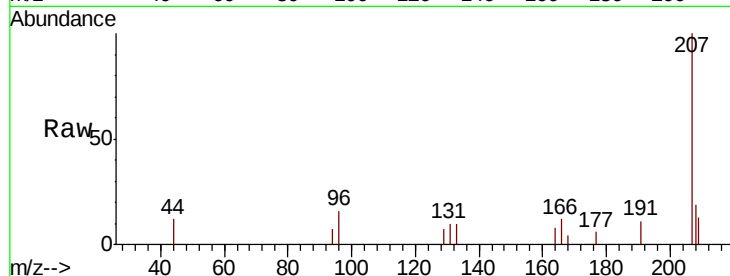
Ion Ratio Lower Upper

164 100

166 151.5 104.4 156.6

129 81.1 78.7 118.1

131 116.3 73.9 110.9#

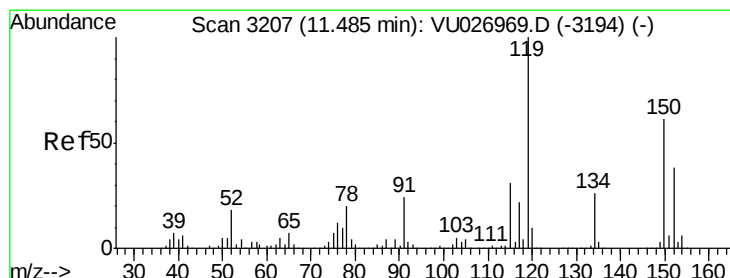
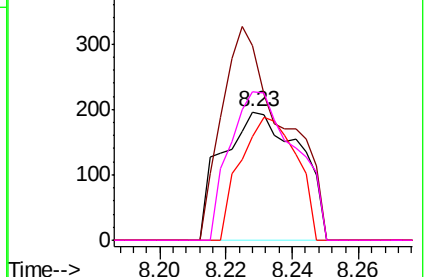
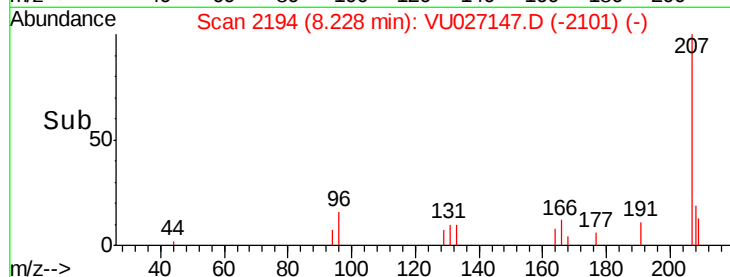


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VU027147.D

Acq: 25 Sep 2018 23:46

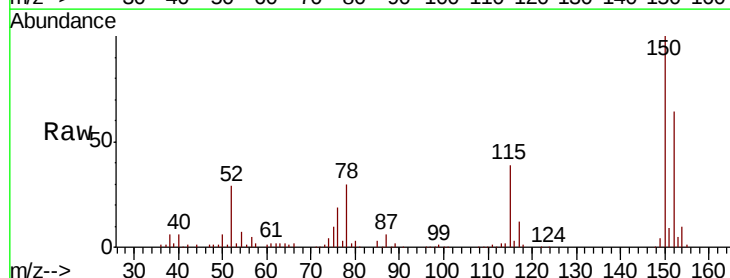
Tgt Ion:152 Resp: 66292

Ion Ratio Lower Upper

152 100

115 62.7 44.9 134.5

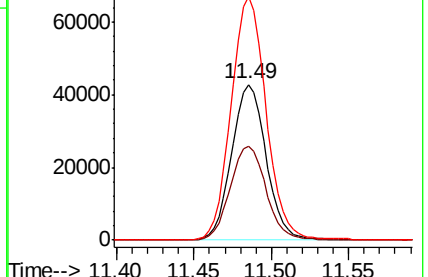
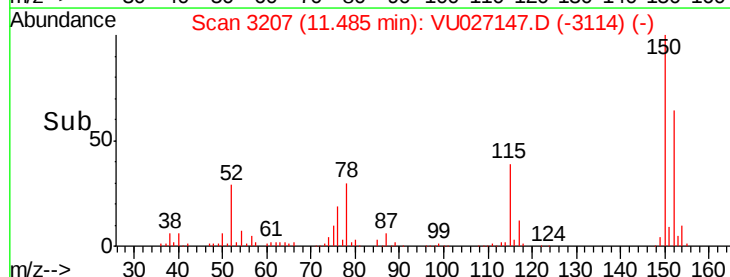
150 158.5 0.0 355.8

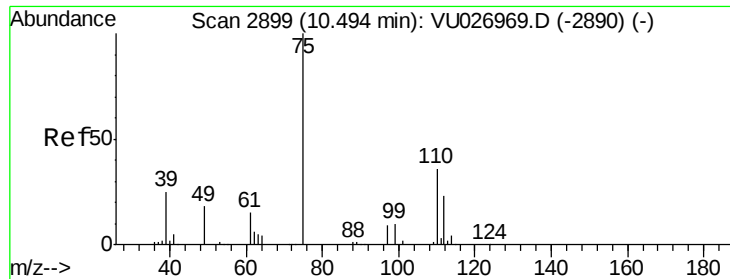


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.735 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027147.D

Acq: 25 Sep 2018 23:46

Instrument :

MSVOA_U

ClientSampleId :

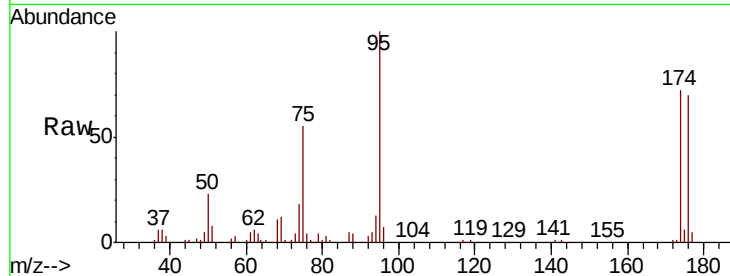
SA-PZ179I-20180916

Tot Ion: 75 Resp: 43772

Ion Ratio Lower Upper

75 100

77 1.3 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

30000

25000

20000

15000

10000

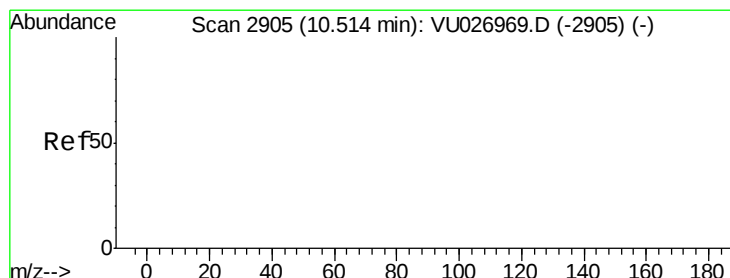
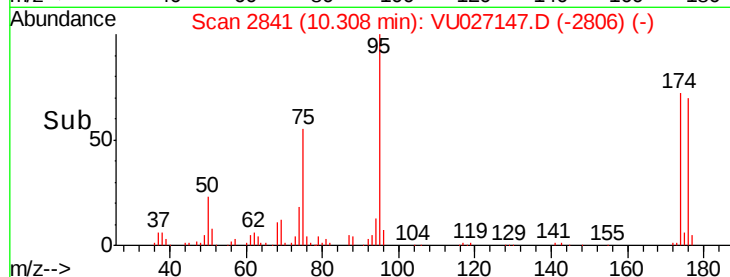
5000

0

10.31

10.40

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 69.555 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027147.D

Acq: 25 Sep 2018 23:46

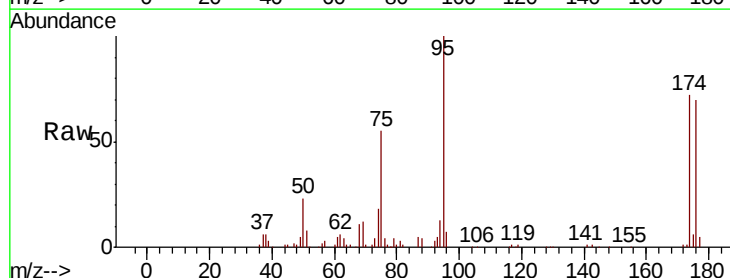
Tgt Ion: 75 Resp: 43772

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

30000

20000

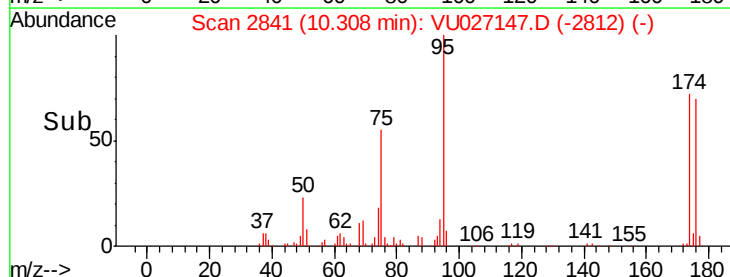
10000

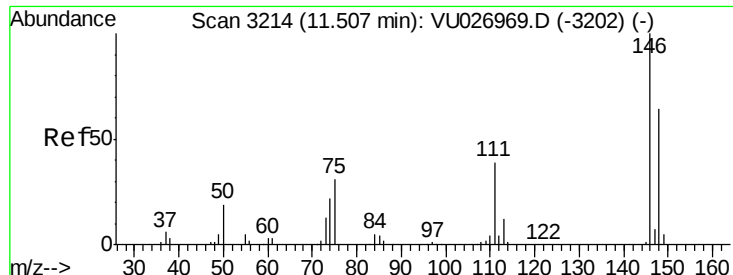
0

10.31

10.40

Time-->





#88

1,4-Dichlorobenzene

Concen: 0.231 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027147.D

Acq: 25 Sep 2018 23:46

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ179I-20180916

Tot Ion:146 Resp: 578

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.9#

148 113.0 31.9 95.9#

