

Data File : VU027028.D
Acq On : 22 Sep 2018 20:04
Operator : MD/SY
Sample : J4934-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 68 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ13311-20180912

Quant Time: Sep 24 02:53:13 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	92585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	155922	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	150400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	70301	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	95636	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	4.89	113	65701	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	7.57	98	241850	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
62) 4-Bromofluorobenzene	10.31	95	80774	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	

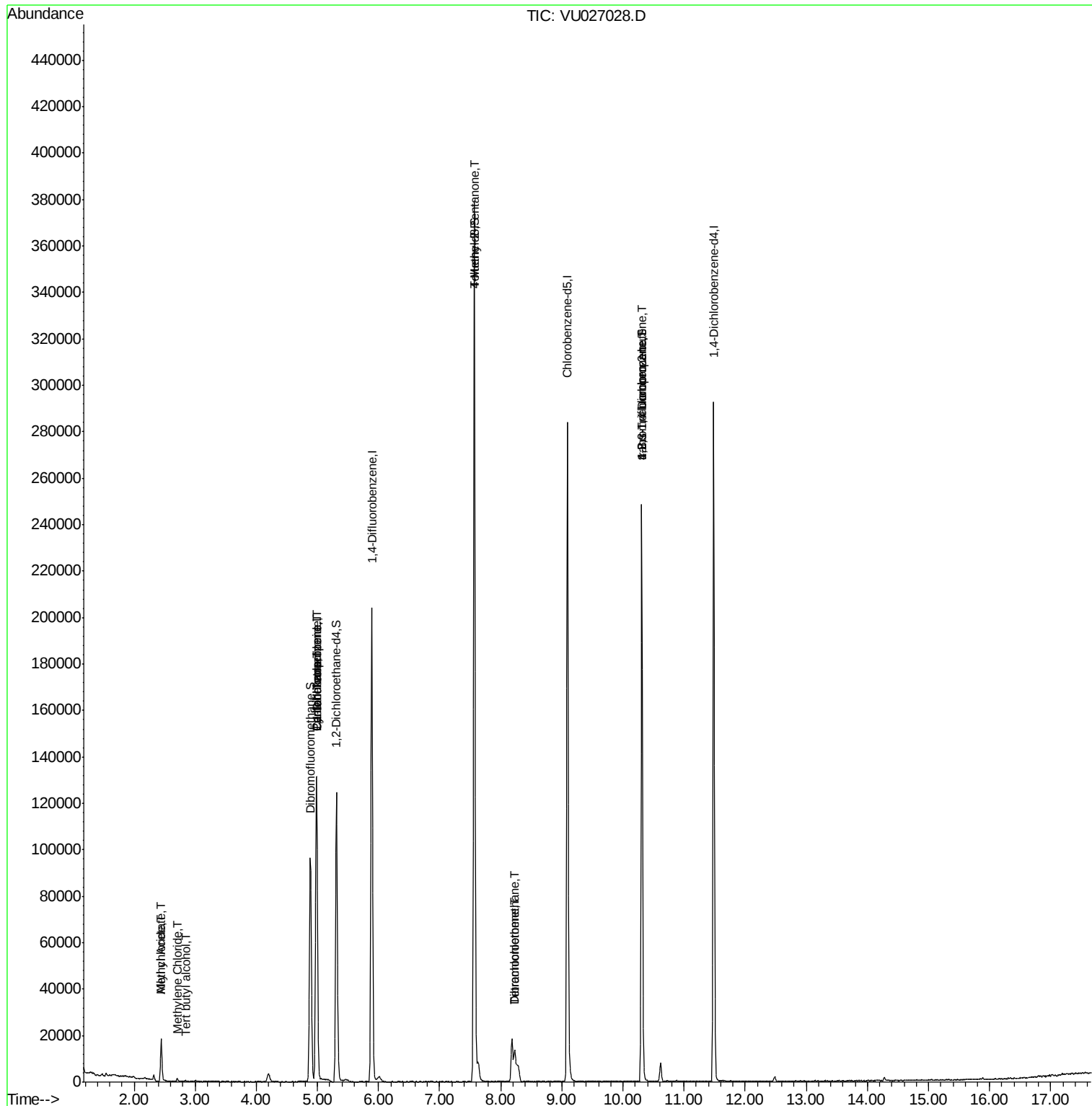
Target Compounds			Qvalue			
11) Tert butyl alcohol	2.83	59	224	0.524 ug/l #	72	
14) Allyl chloride	2.44	41	1821	0.702 ug/l #	69	
16) Acetone	2.32	43	3023	Below Cal	96	
18) Methyl Acetate	2.44	43	4912	1.852 ug/l #	55	
20) Methylene Chloride	2.70	84	543	0.325 ug/l	91	
31) Cyclohexane	4.98	56	2433	0.304 ug/l #	1	
36) 1,1-Dichloropropene	4.99	75	8652	4.158 ug/l #	49	
38) Carbon Tetrachloride	4.99	117	9683	4.890 ug/l #	19	
51) 4-Methyl-2-Pentanone	7.57	43	1339	0.485 ug/l #	1	
60) Dibromochloromethane	8.23	129	1334	0.885 ug/l #	11	
64) Tetrachloroethene	8.23	164	1361	1.174 ug/l	93	
76) 1,2,3-Trichloropropane	10.31	75	43811	20.513 ug/l #	35	
81) trans-1,4-Dichloro-2-buten	10.31	75	43811	65.647 ug/l #	100	

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

Data File : VU027028.D
Acq On : 22 Sep 2018 20:04
Operator : MD/SY
Sample : J4934-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 68 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ133I1-20180912

Quant Time: Sep 24 02:53:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027028.D

Acq: 22 Sep 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

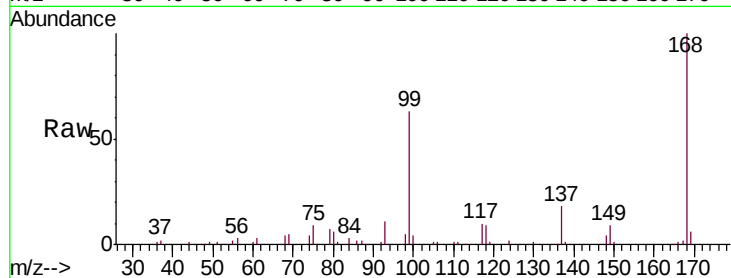
SA-PZ133I1-20180912

Tgt Ion:168 Resp: 92585

Ion Ratio Lower Upper

168 100

99 63.4 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

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

4.99

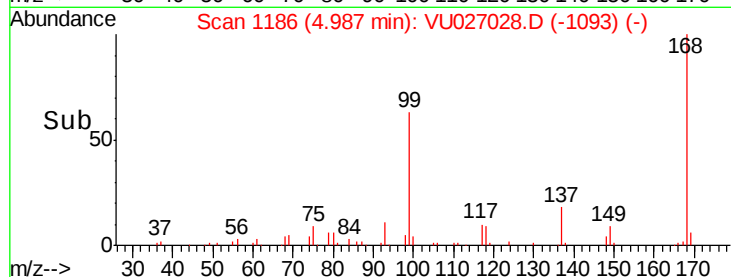
4.99

4.99

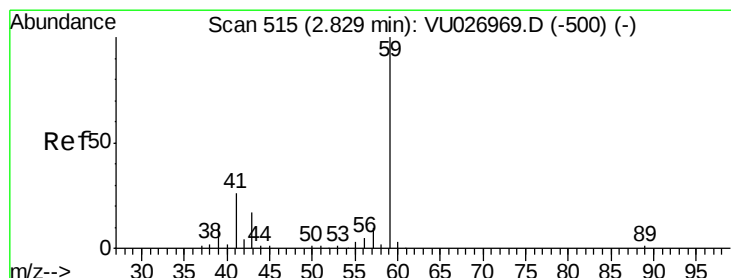
4.99

4.99

4.99



Time-->



#11

Tert butyl alcohol

Concen: 0.524 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.00 min

Lab File: VU027028.D

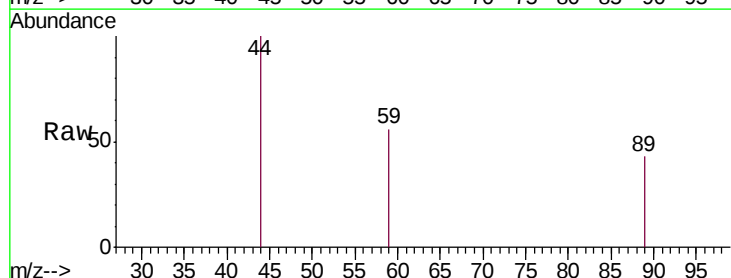
Acq: 22 Sep 2018 20:04

Tgt Ion: 59 Resp: 224

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



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

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

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

2.83

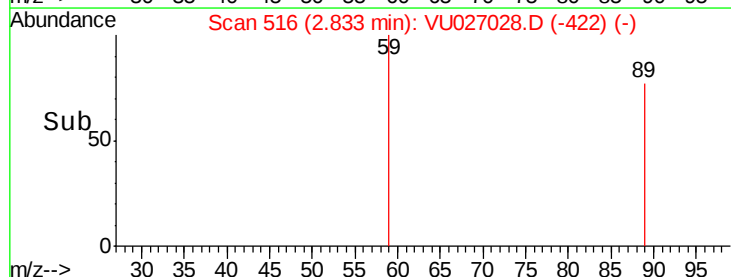
2.83

2.83

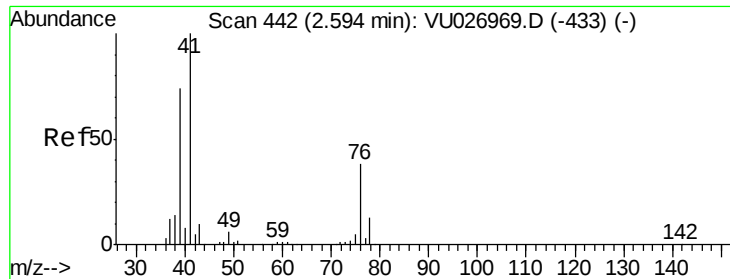
2.83

2.83

2.83



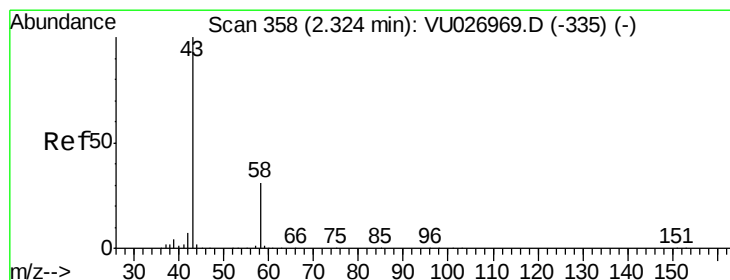
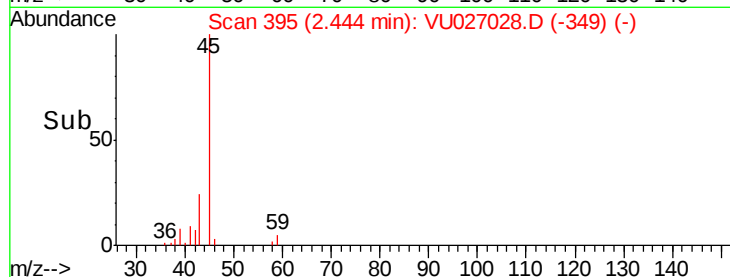
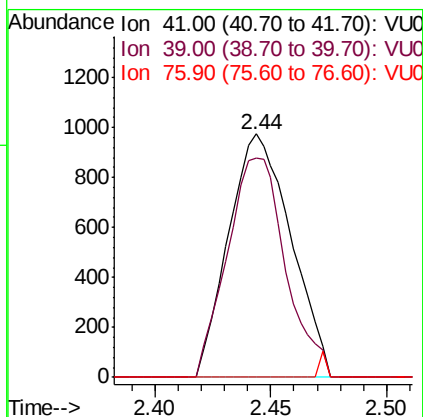
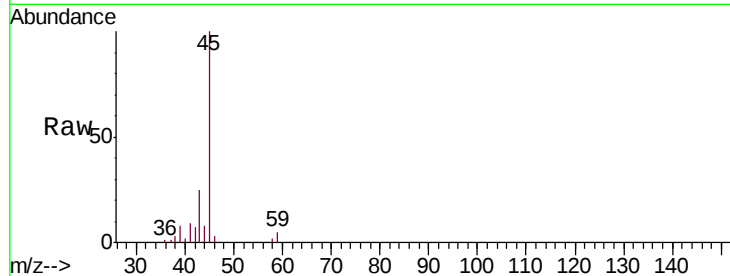
Time-->



#14
 Allyl chloride
 Concen: 0.702 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027028.D
 Acq: 22 Sep 2018 20:04

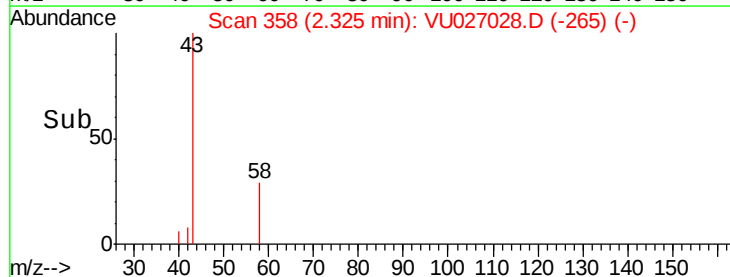
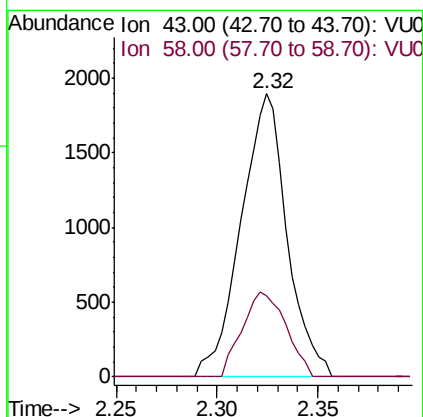
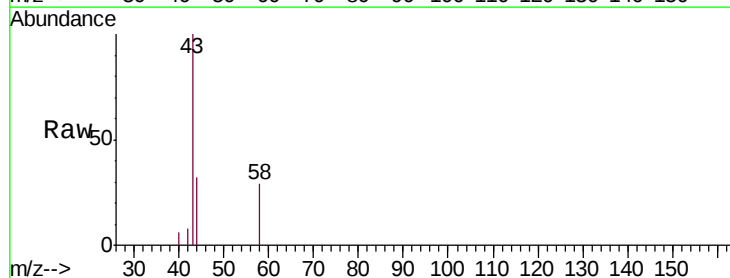
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ133I1-20180912

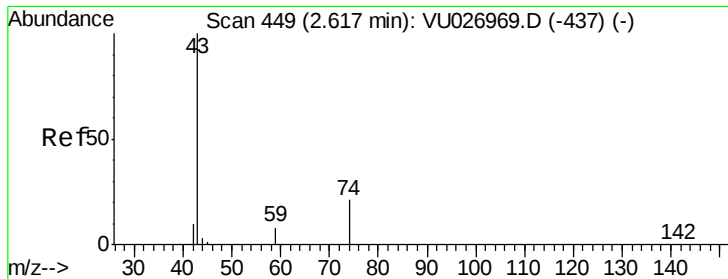
Tgt Ion: 41 Resp: 1821
 Ion Ratio Lower Upper
 41 100
 39 84.1 55.7 83.5#
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU027028.D
 Acq: 22 Sep 2018 20:04

Tgt Ion: 43 Resp: 3023
 Ion Ratio Lower Upper
 43 100
 58 28.5 24.6 36.8

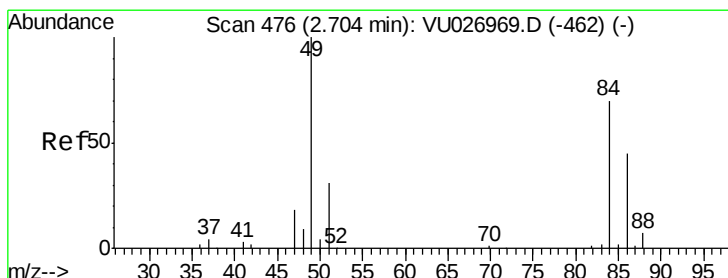
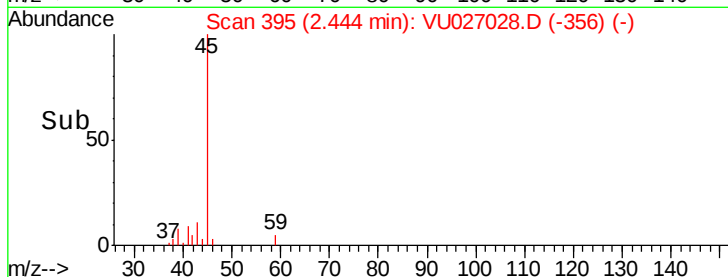
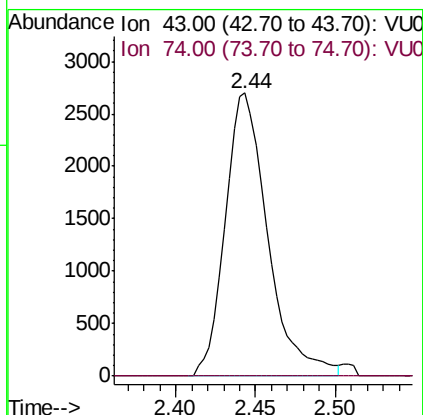
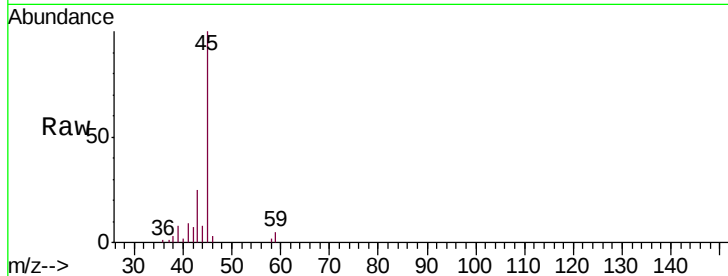




#18
Methyl Acetate
Concen: 1.852 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027028.D
Acq: 22 Sep 2018 20:04

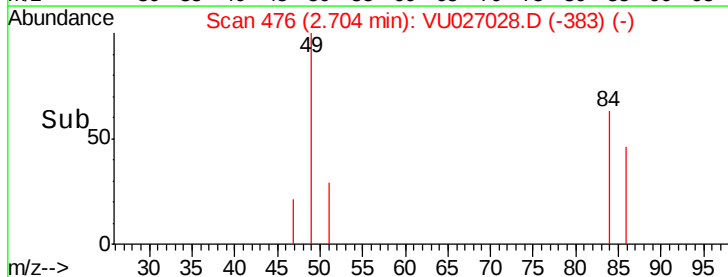
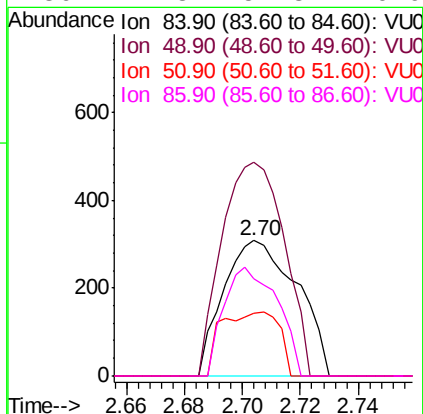
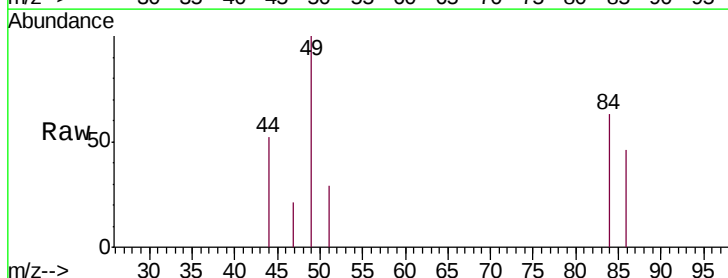
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ133I1-20180912

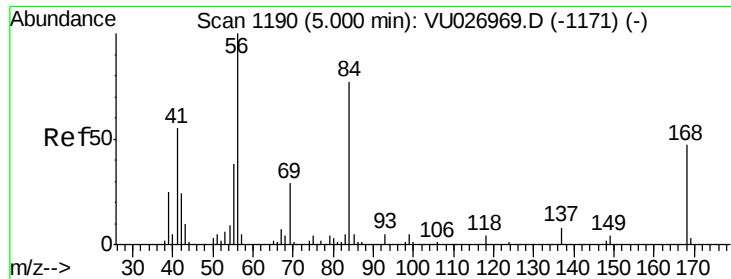
Tgt Ion: 43 Resp: 4912
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 0.325 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027028.D
Acq: 22 Sep 2018 20:04

Tgt Ion: 84 Resp: 543
Ion Ratio Lower Upper
84 100
49 157.6 114.9 172.3
51 46.3 35.8 53.8
86 71.8 51.3 76.9

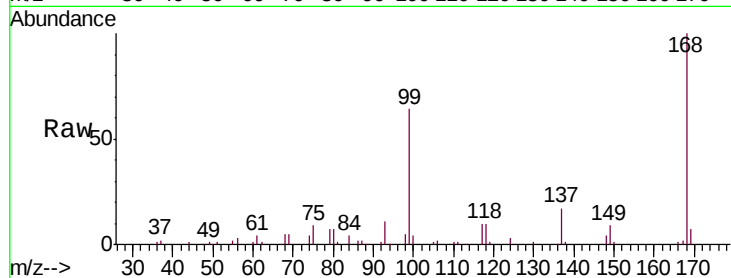




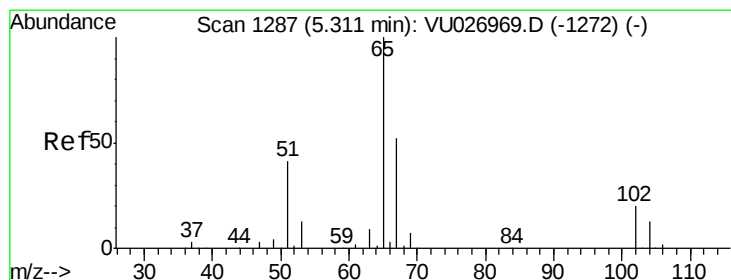
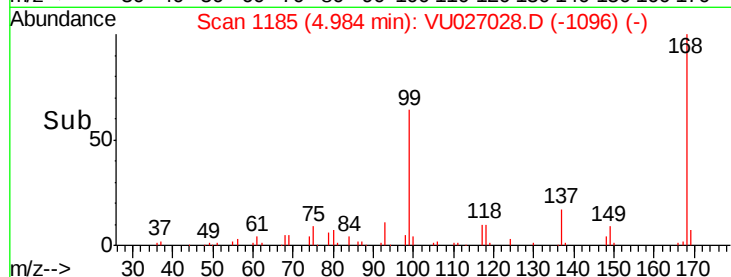
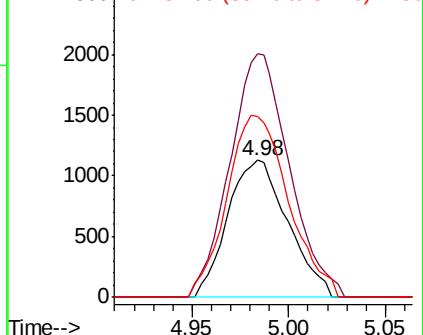
#31
Cyclohexane
Concen: 0.304 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027028.D
Acq: 22 Sep 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ13311-20180912

Tgt Ion: 56 Resp: 2433
Ion Ratio Lower Upper
56 100
69 177.6 23.0 34.4#
84 132.4 61.4 92.2#

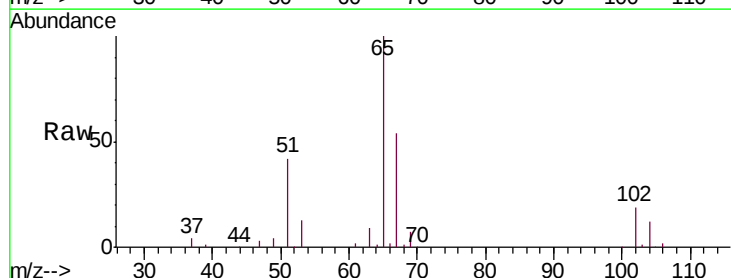


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

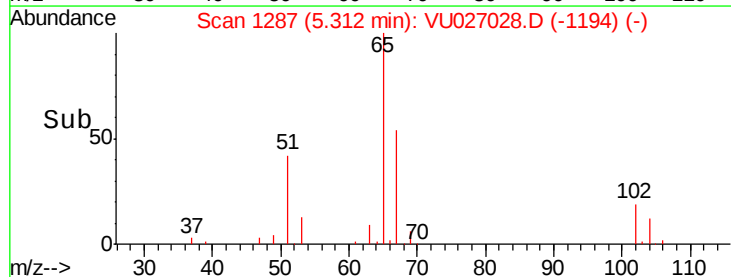
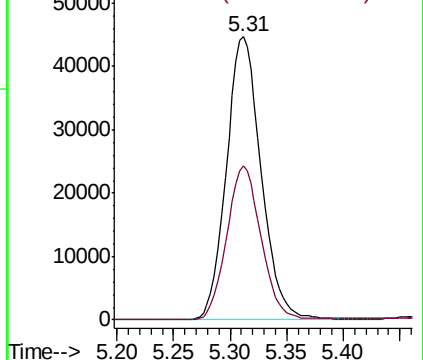


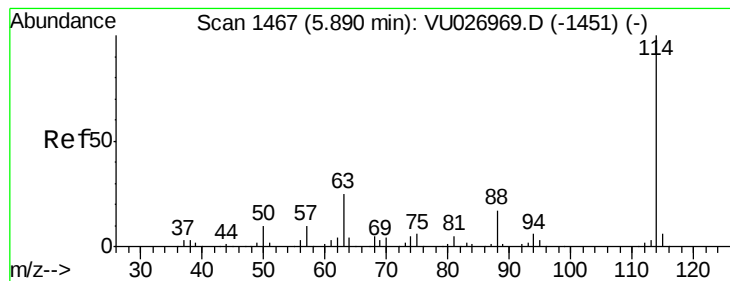
#33
1,2-Dichloroethane-d4
Concen: 51.323 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027028.D
Acq: 22 Sep 2018 20:04

Tgt Ion: 65 Resp: 95636
Ion Ratio Lower Upper
65 100
67 53.9 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: VU027028.D

Acq: 22 Sep 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ13311-20180912

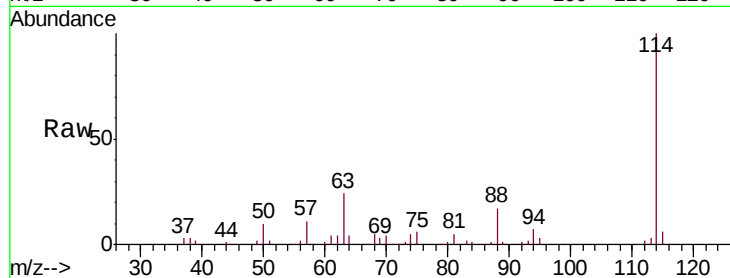
Tgt Ion:114 Resp: 155922

Ion Ratio Lower Upper

114 100

63 23.9 0.0 49.2

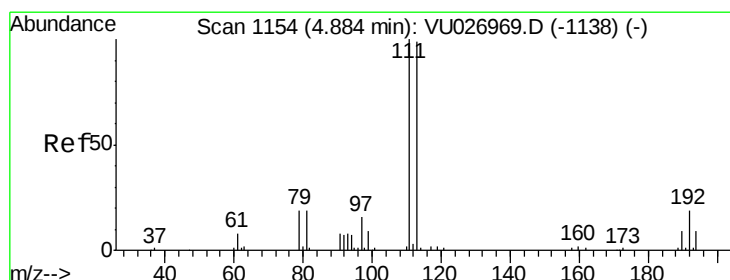
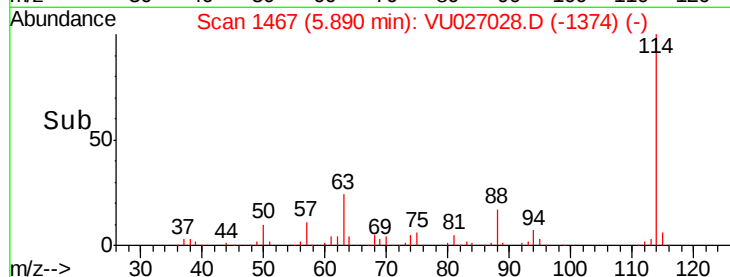
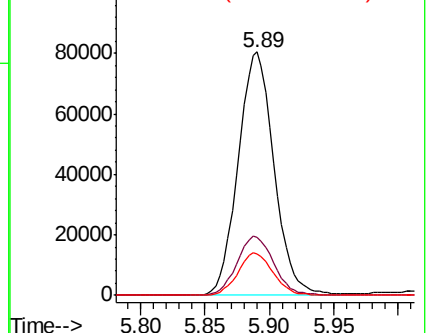
88 17.2 0.0 33.8



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: 48.612 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027028.D

Acq: 22 Sep 2018 20:04

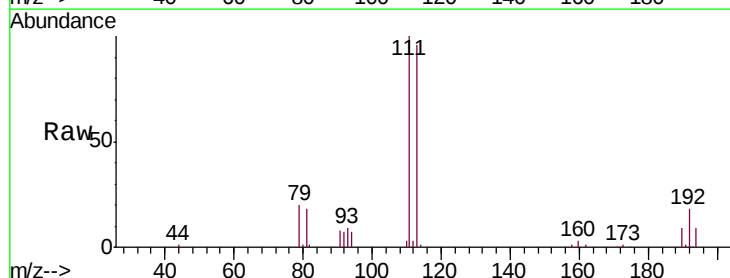
Tgt Ion:113 Resp: 65701

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

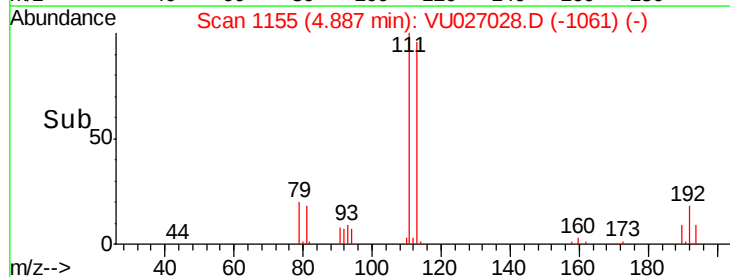
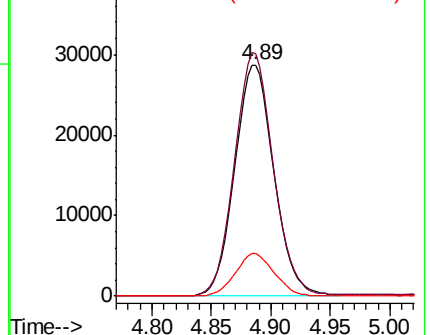
192 18.2 15.2 22.8

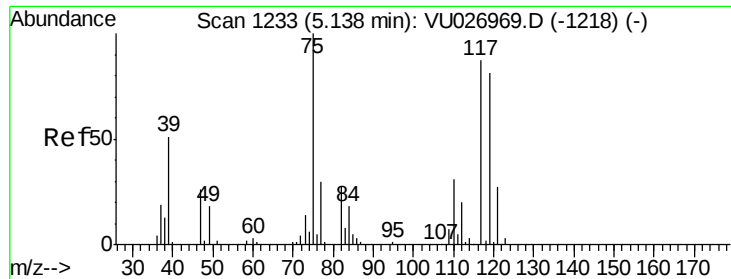


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

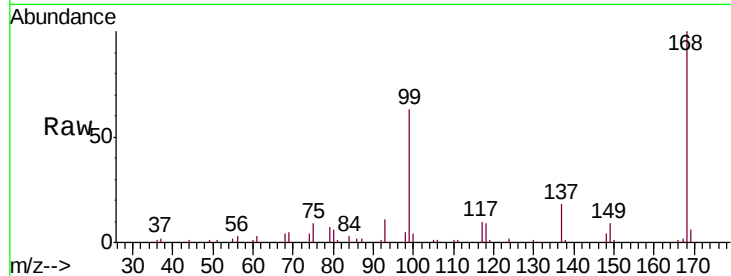




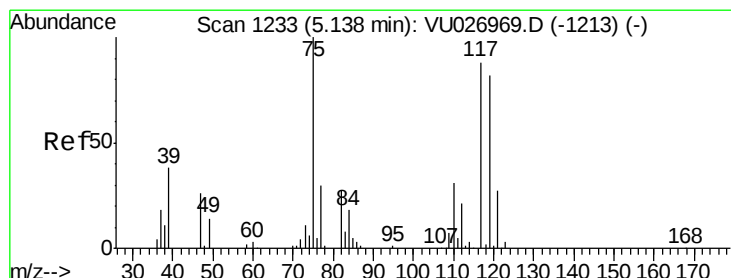
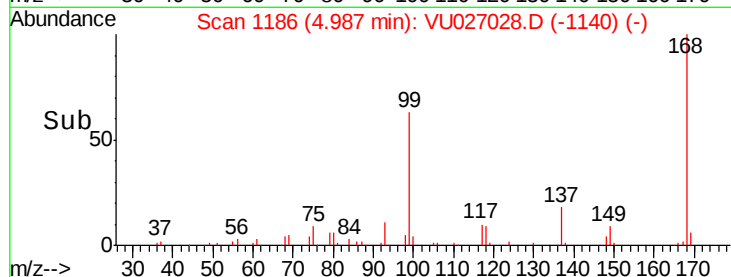
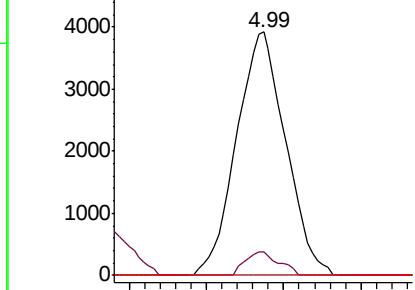
#36
 1,1-Dichloropropene
 Concen: 4.158 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027028.D
 Acq: 22 Sep 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ13311-20180912

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

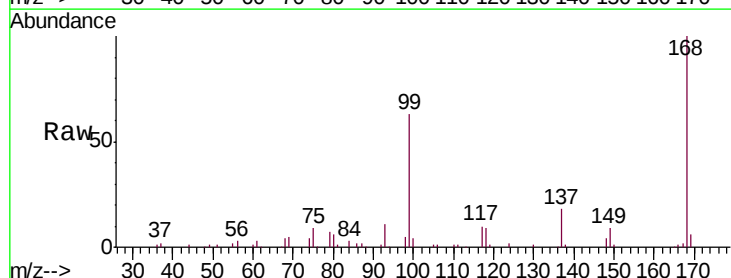


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

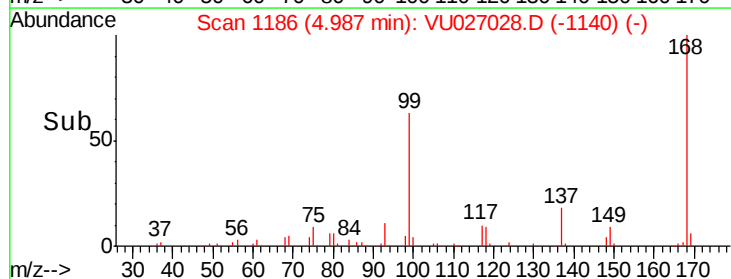
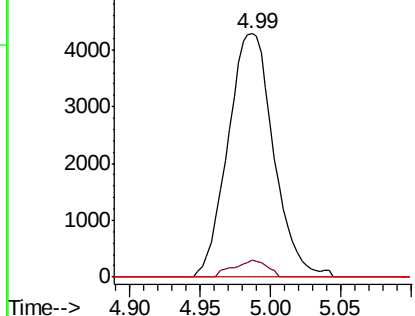


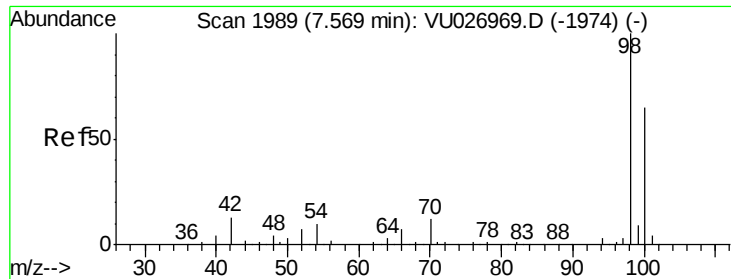
#38
 Carbon Tetrachloride
 Concen: 4.890 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027028.D
 Acq: 22 Sep 2018 20:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	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: 46.954 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027028.D

Acq: 22 Sep 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

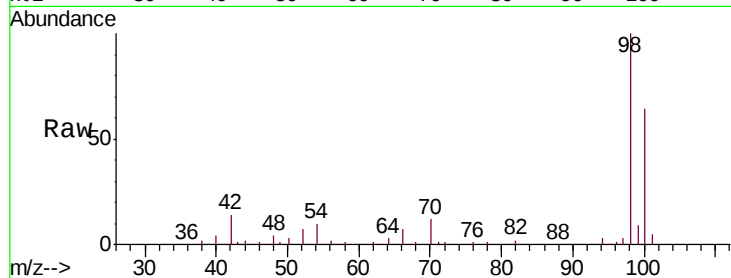
SA-PZ133I1-20180912

Tgt Ion: 98 Resp: 241850

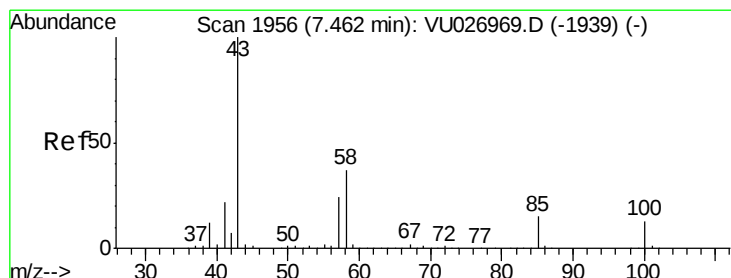
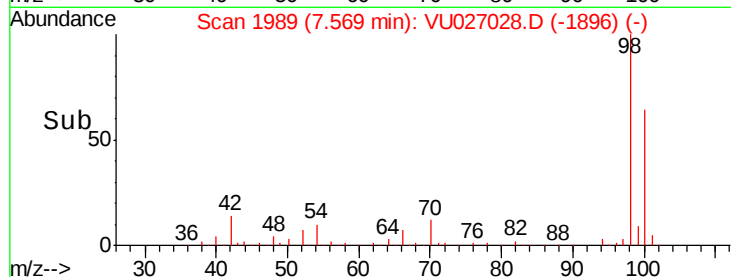
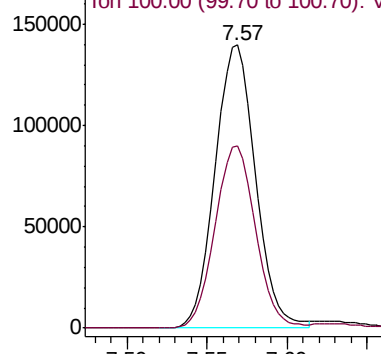
Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.485 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027028.D

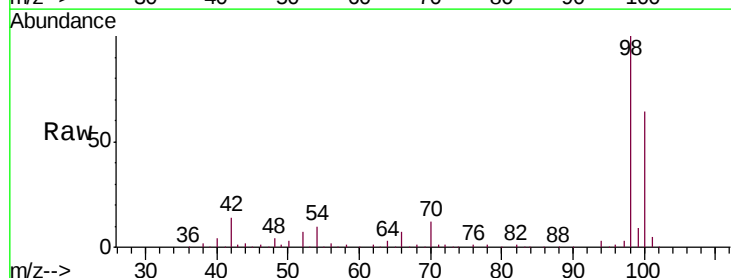
Acq: 22 Sep 2018 20:04

Tgt Ion: 43 Resp: 1339

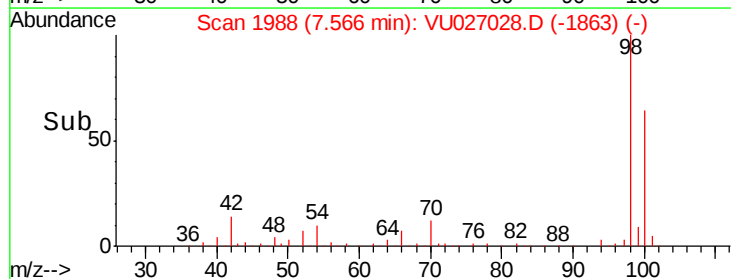
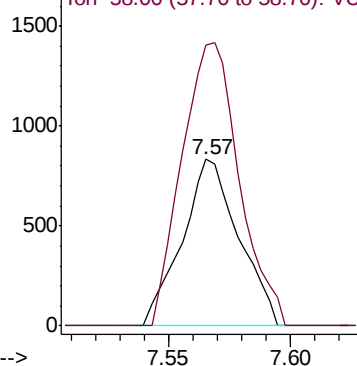
Ion Ratio Lower Upper

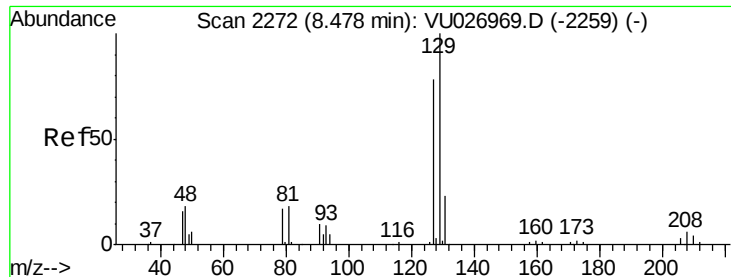
43 100

58 172.6 29.8 44.6#



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





#60

Dibromochloromethane

Concen: 0.885 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VU027028.D

Acq: 22 Sep 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

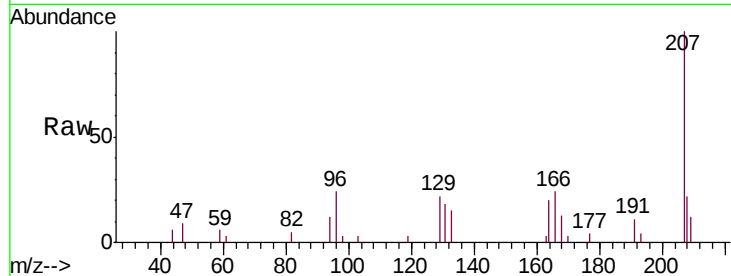
SA-PZ13311-20180912

Tgt Ion:129 Resp: 1334

Ion Ratio Lower Upper

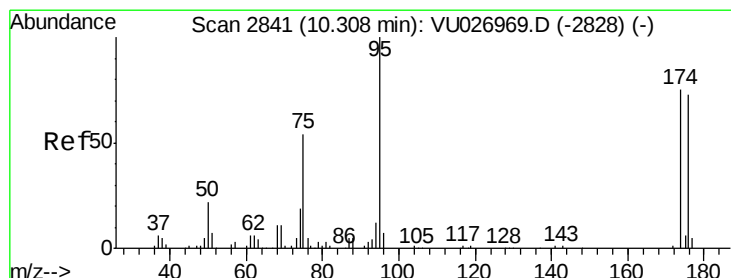
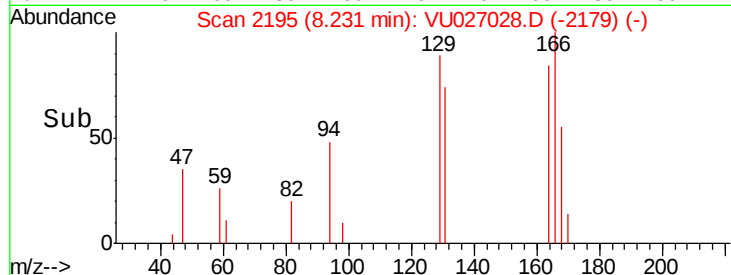
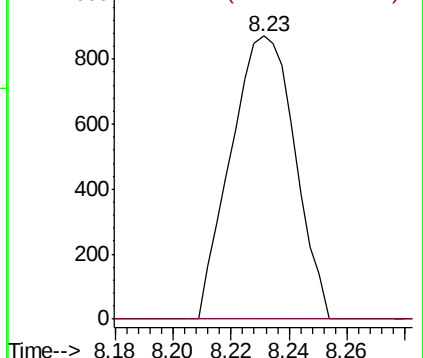
129 100

127 0.0 38.1 114.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 45.703 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027028.D

Acq: 22 Sep 2018 20:04

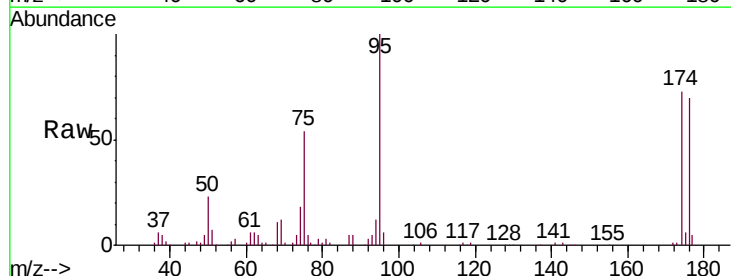
Tgt Ion: 95 Resp: 80774

Ion Ratio Lower Upper

95 100

174 73.9 0.0 150.2

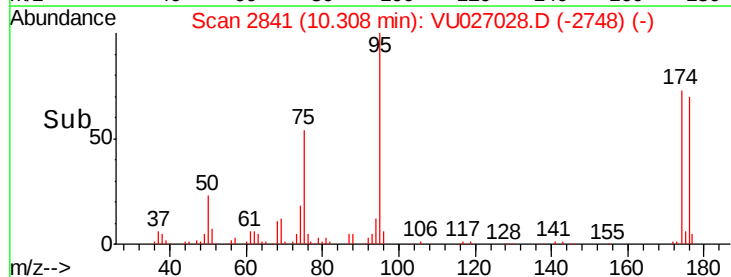
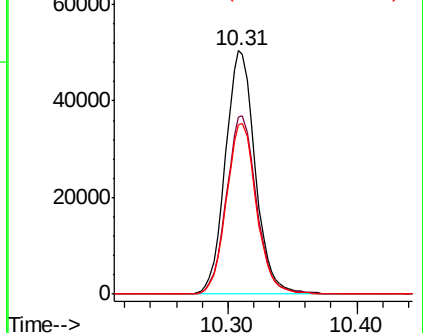
176 70.4 0.0 145.2

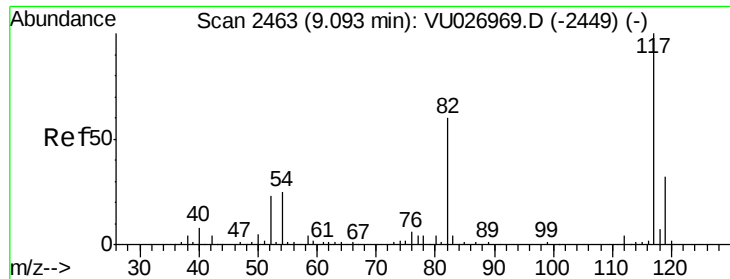


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

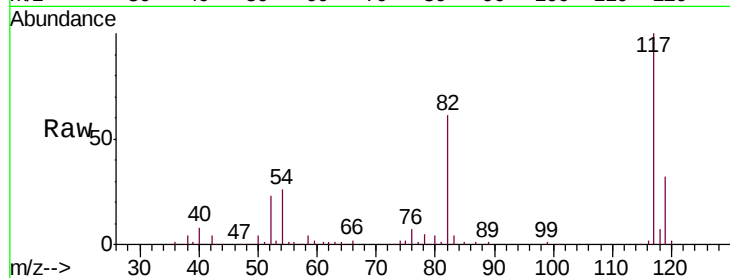




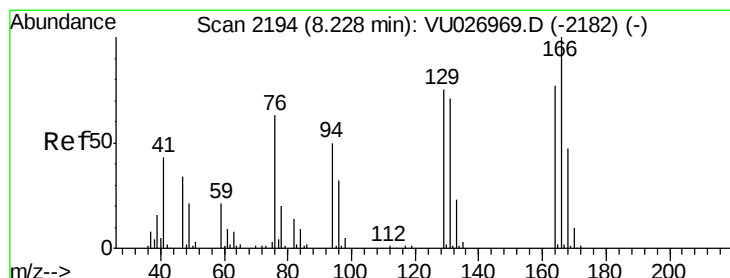
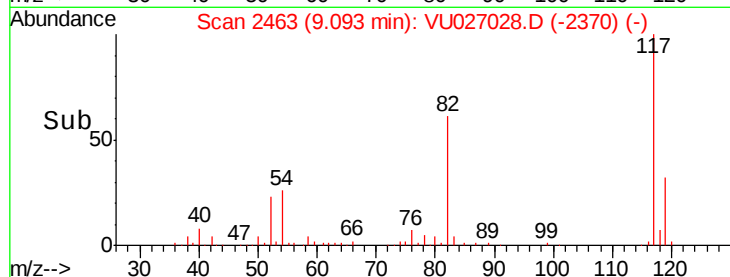
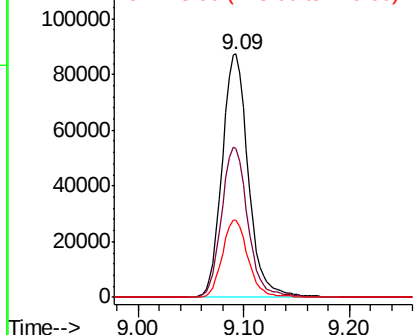
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027028.D
Acq: 22 Sep 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ133I1-20180912

Tgt Ion:117 Resp: 150400
Ion Ratio Lower Upper
117 100
82 61.0 48.0 72.0
119 31.7 25.8 38.8

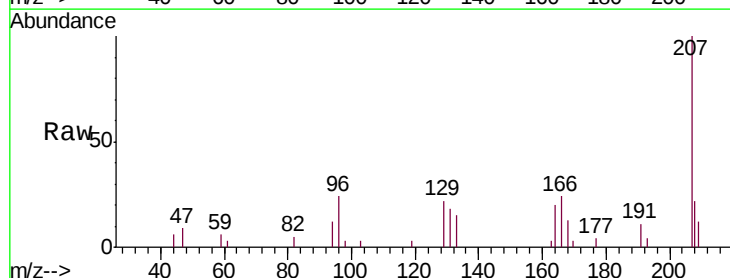


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)
Ion 118.90 (118.60 to 119.60): V

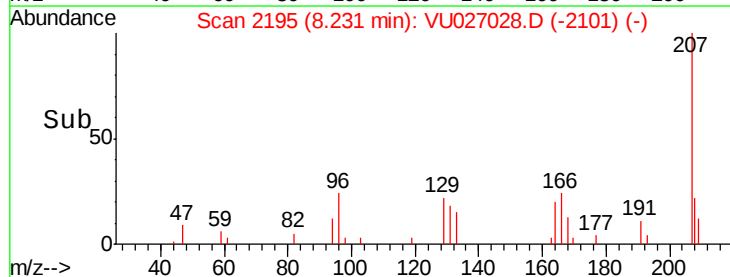
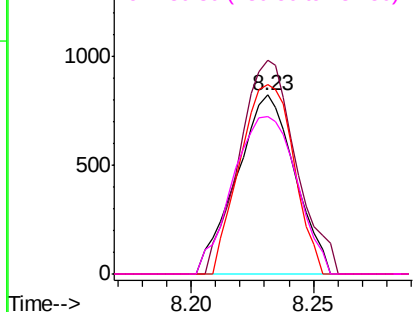


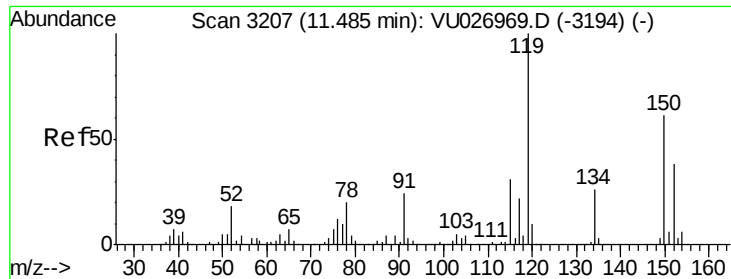
#64
Tetrachloroethene
Concen: 1.174 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027028.D
Acq: 22 Sep 2018 20:04

Tgt Ion:164 Resp: 1361
Ion Ratio Lower Upper
164 100
166 119.5 104.4 156.6
129 106.0 78.7 118.1
131 88.2 73.9 110.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): VU026969.D (-2182) (-)
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: VU027028.D

Acq: 22 Sep 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ133I1-20180912

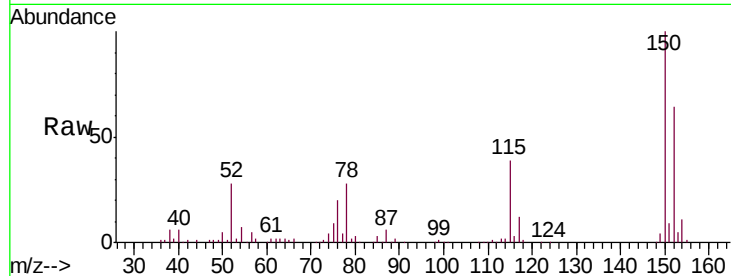
Tgt Ion:152 Resp: 70301

Ion Ratio Lower Upper

152 100

115 61.3 44.9 134.5

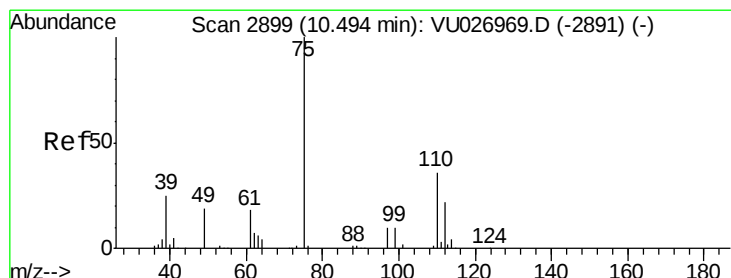
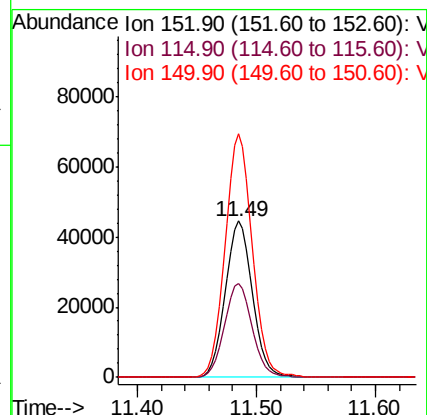
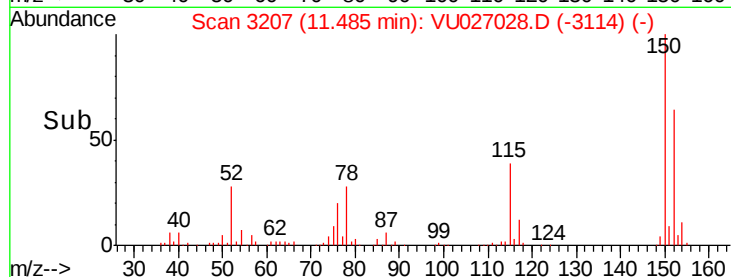
150 156.0 0.0 355.8



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: 20.513 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027028.D

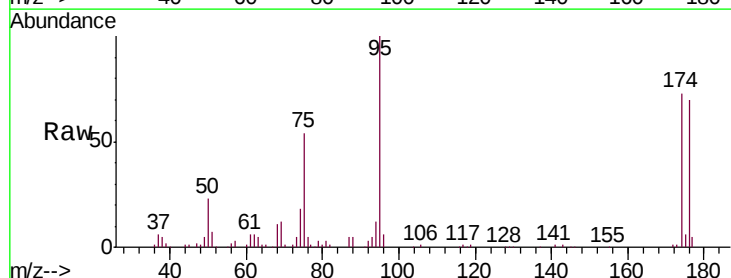
Acq: 22 Sep 2018 20:04

Tgt Ion: 75 Resp: 43811

Ion Ratio Lower Upper

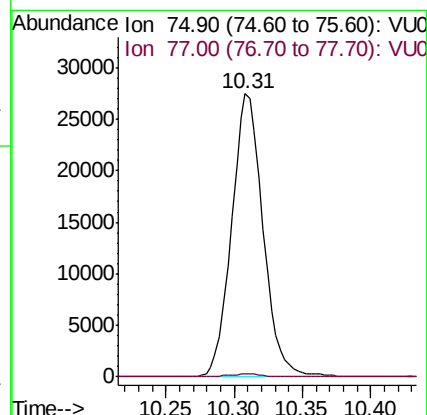
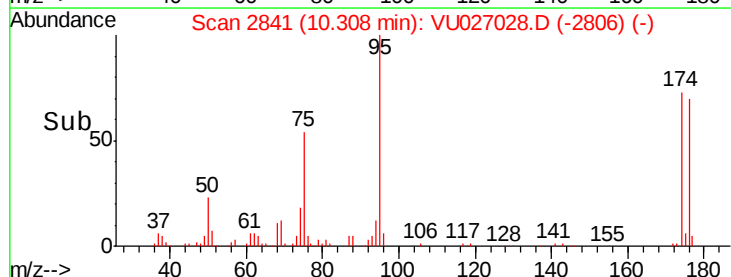
75 100

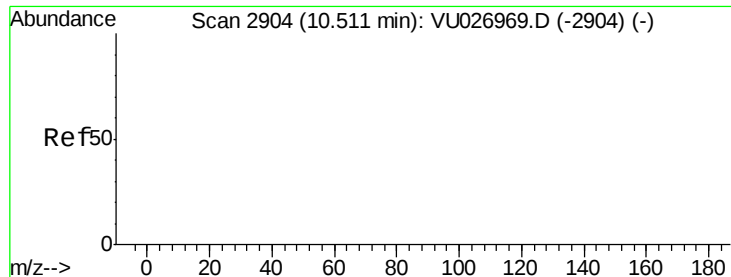
77 1.1 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

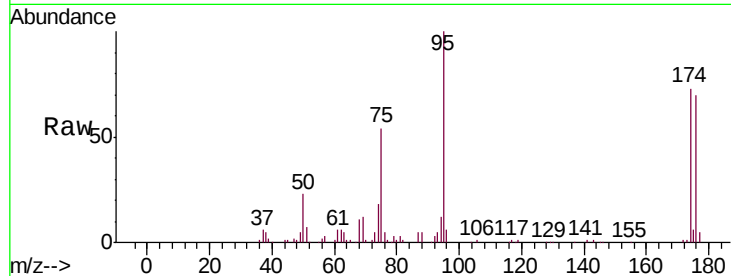




#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.647 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027028.D
 Acq: 22 Sep 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ13311-20180912

Tgt Ion: 75 Resp: 43811
 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

