

Data File : VU027029.D
Acq On : 22 Sep 2018 20:27
Operator : MD/SY
Sample : J4934-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 69 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ133I-20180912

Quant Time: Sep 24 02:53:25 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	92490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	156731	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	152113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70845	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	95976	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
35) Dibromofluoromethane	4.88	113	67540	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	7.57	98	243567	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
62) 4-Bromofluorobenzene	10.31	95	81493	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	

Target Compounds

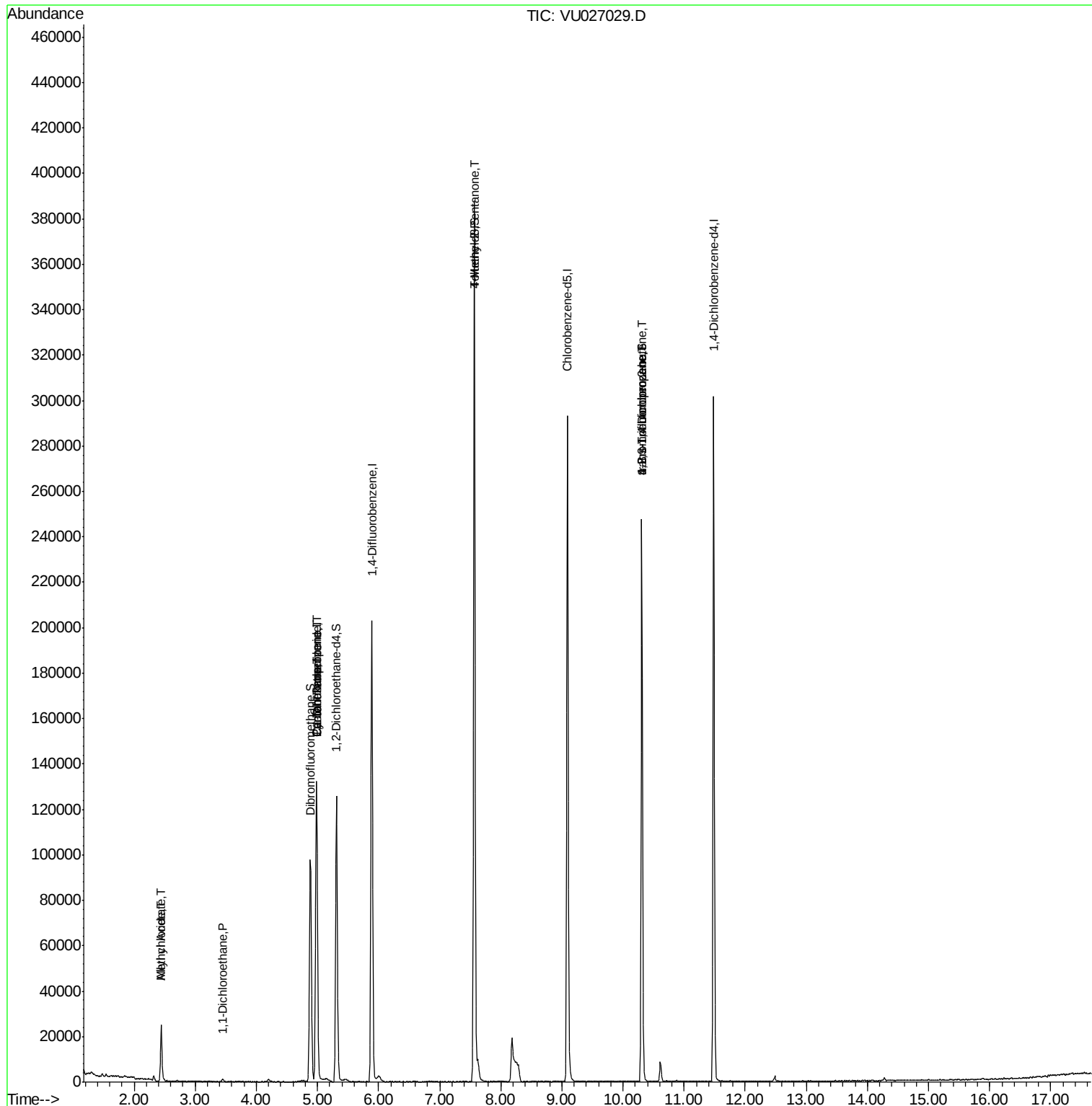
					Qvalue	
14) Allyl chloride	2.44	41	2510	0.969	ug/l #	71
16) Acetone	2.32	43	2646	Below Cal		93
18) Methyl Acetate	2.44	43	6456	2.437	ug/l #	55
24) 1,1-Dichloroethane	3.45	63	1791	0.587	ug/l #	84
31) Cyclohexane	4.99	56	2398	0.293	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9182	4.390	ug/l #	49
38) Carbon Tetrachloride	4.99	117	9796	4.921	ug/l #	19
51) 4-Methyl-2-Pentanone	7.57	43	1293	0.466	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	44047	20.466	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44047	65.493	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: VU027029.D

Acq: 22 Sep 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

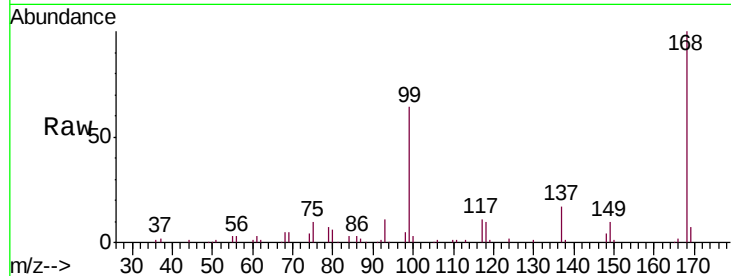
SA-PZ133I-20180912

Tgt Ion:168 Resp: 92490

Ion Ratio Lower Upper

168 100

99 63.9 48.1 72.1



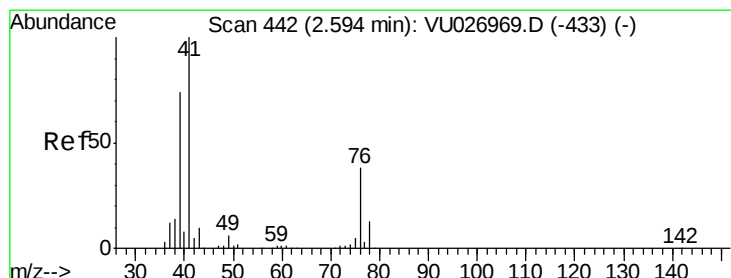
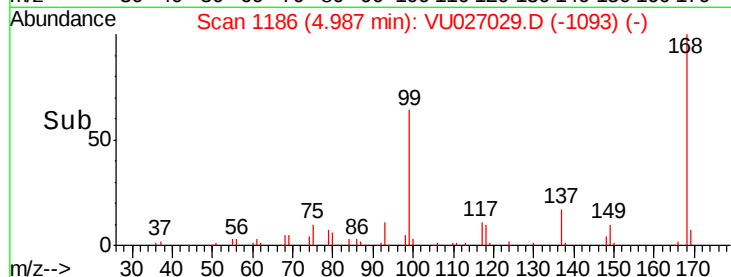
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

4.95 5.00 5.05

Time-->



#14

Allyl chloride

Concen: 0.969 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU027029.D

Acq: 22 Sep 2018 20:27

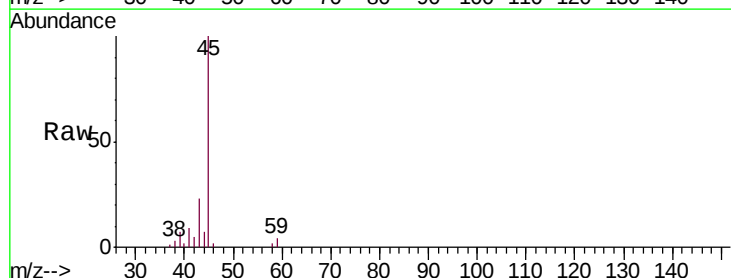
Tgt Ion: 41 Resp: 2510

Ion Ratio Lower Upper

41 100

39 81.5 55.7 83.5

76 0.0 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

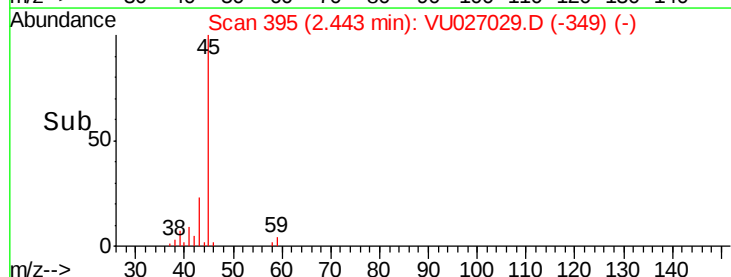
Ion 39.00 (38.70 to 39.70): VU026969.D (-433) (-)

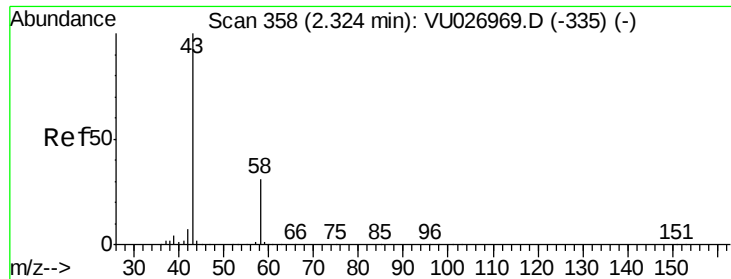
Ion 75.90 (75.60 to 76.60): VU026969.D (-433) (-)

2.44

2.40 2.45 2.50

Time-->





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027029.D

Acq: 22 Sep 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

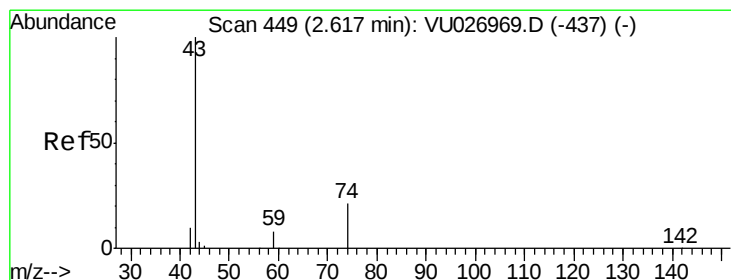
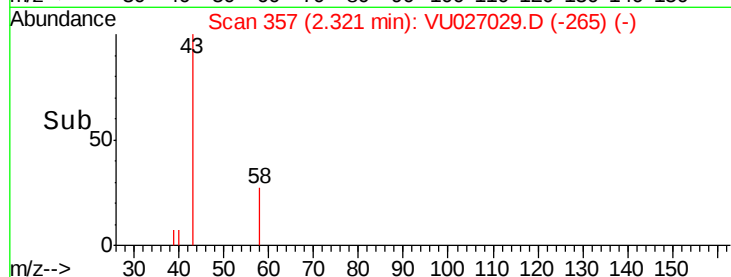
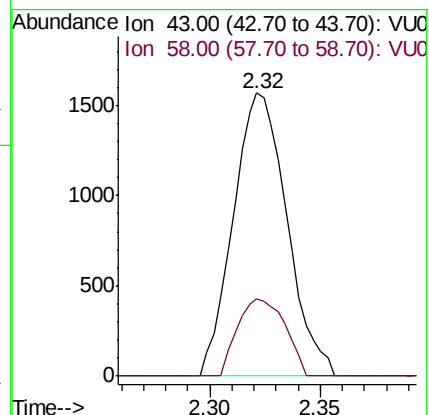
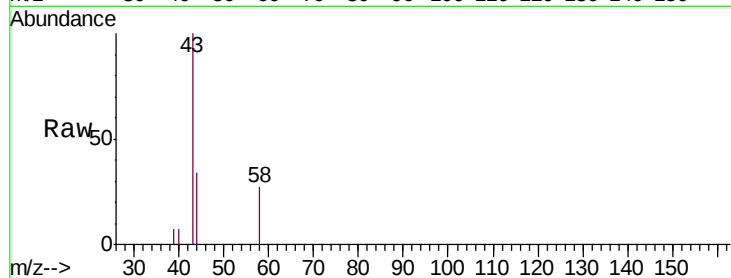
SA-PZ133I-20180912

Tgt Ion: 43 Resp: 2646

Ion Ratio Lower Upper

43 100

58 27.1 24.6 36.8



#18

Methyl Acetate

Concen: 2.437 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027029.D

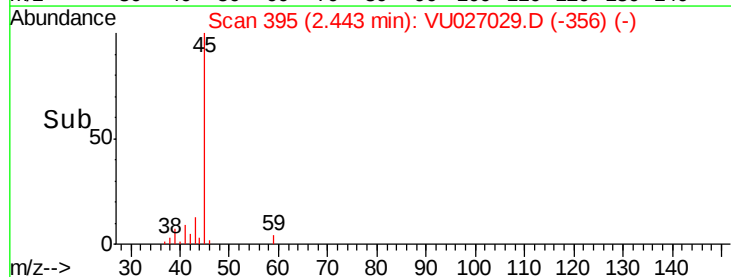
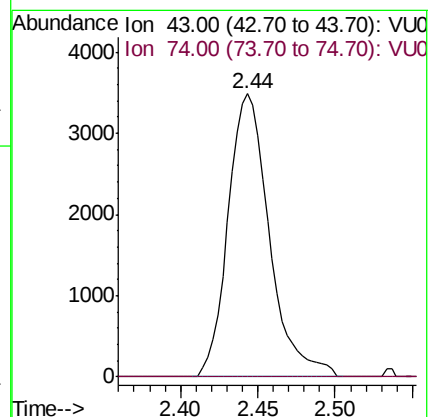
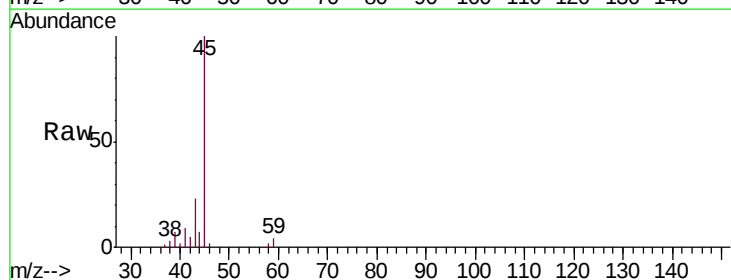
Acq: 22 Sep 2018 20:27

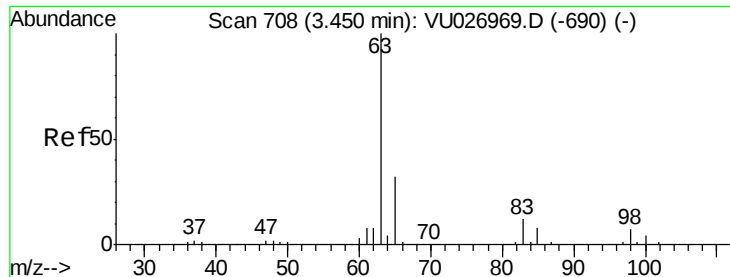
Tgt Ion: 43 Resp: 6456

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#





#24

1,1-Dichloroethane

Concen: 0.587 ug/l

RT: 3.45 min Scan# 709

Delta R.T. 0.00 min

Lab File: VU027029.D

Acq: 22 Sep 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ133I-20180912

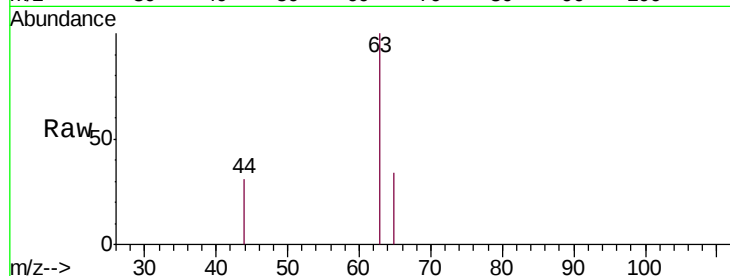
Tgt Ion: 63 Resp: 1791

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

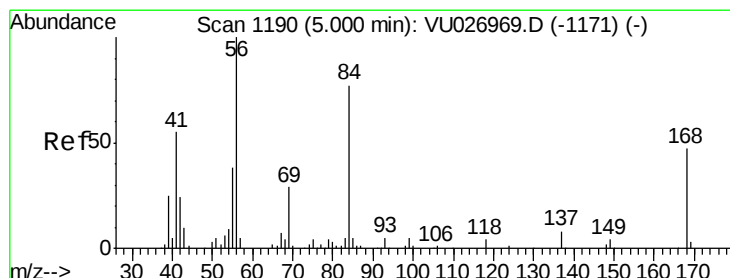
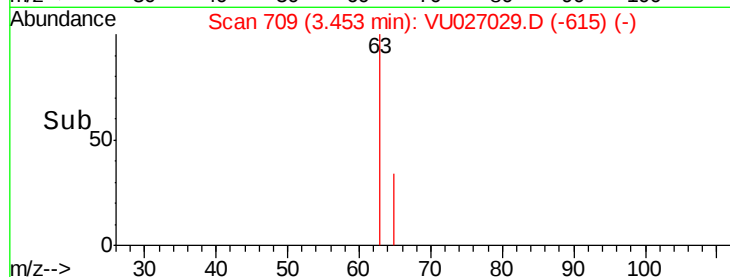
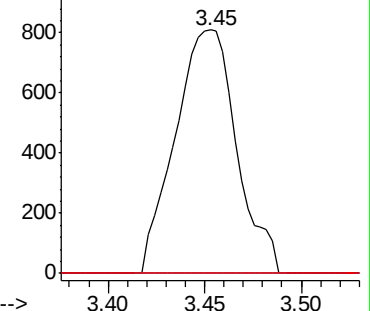
100 0.0 2.0 5.8#



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

Ion 97.90 (97.60 to 98.60): VU026969.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU026969.D (-690) (-)



#31

Cyclohexane

Concen: 0.293 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027029.D

Acq: 22 Sep 2018 20:27

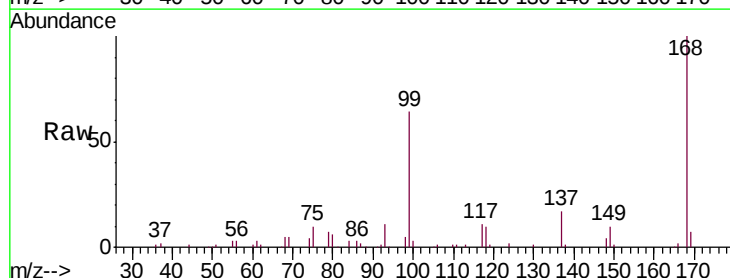
Tgt Ion: 56 Resp: 2398

Ion Ratio Lower Upper

56 100

69 172.9 23.0 34.4#

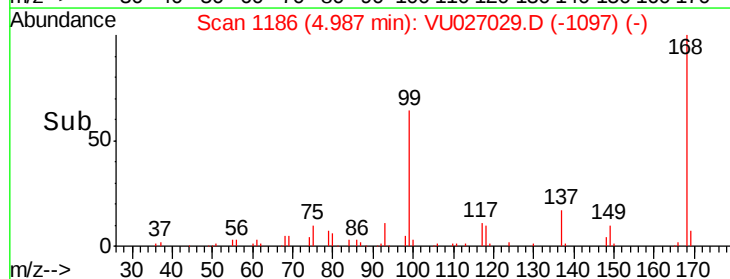
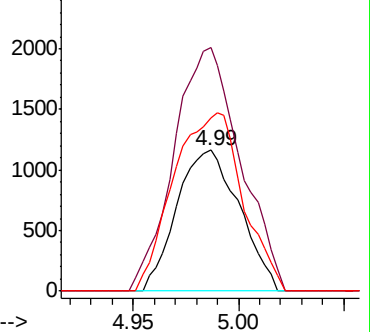
84 122.6 61.4 92.2#

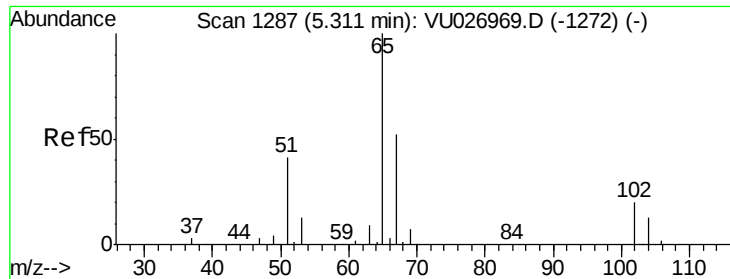


Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU026969.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU026969.D (-1171) (-)

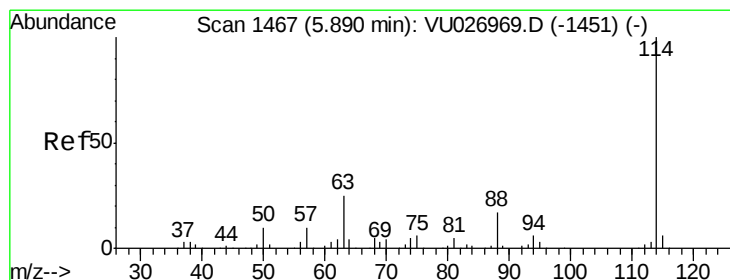
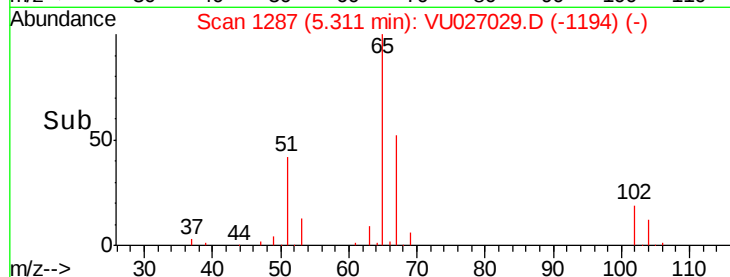
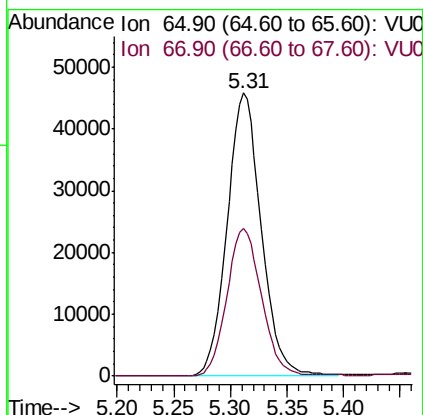
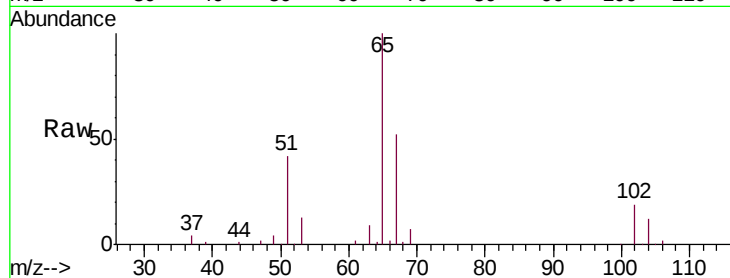




#33
 1,2-Dichloroethane-d4
 Concen: 51.558 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027029.D
 Acq: 22 Sep 2018 20:27

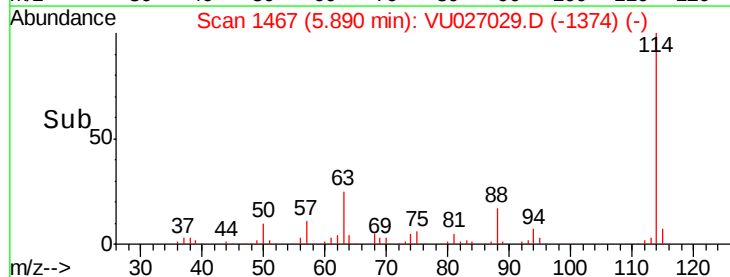
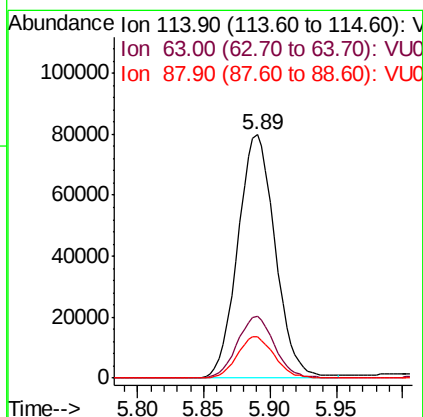
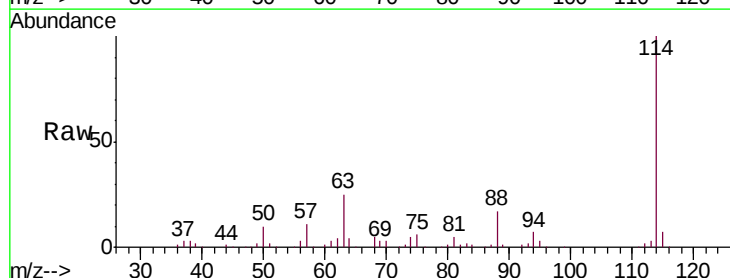
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ133I-20180912

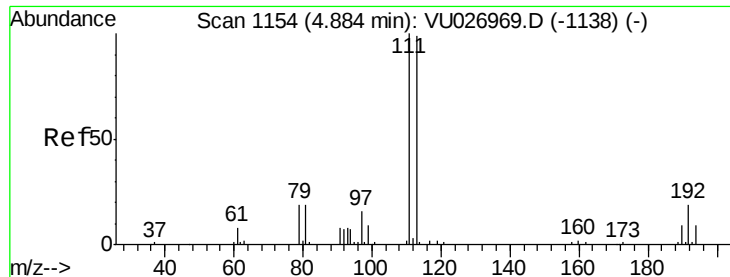
Tgt Ion: 65 Resp: 95976
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027029.D
 Acq: 22 Sep 2018 20:27

Tgt Ion: 114 Resp: 156731
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 16.8 0.0 33.8

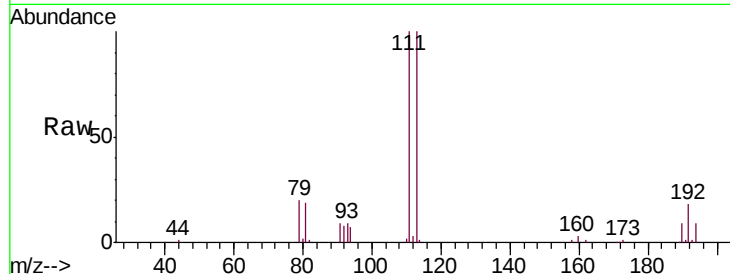




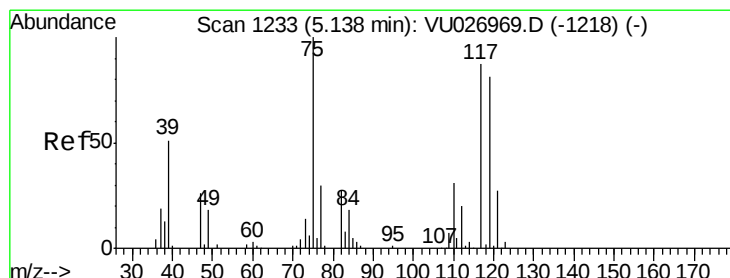
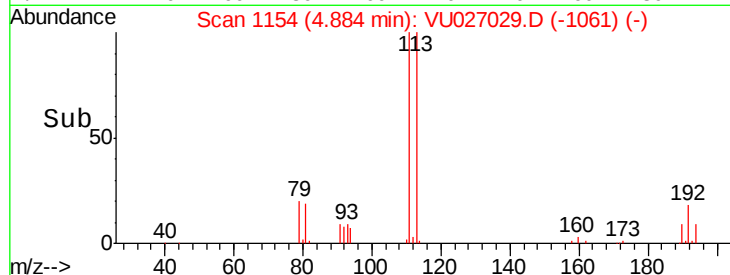
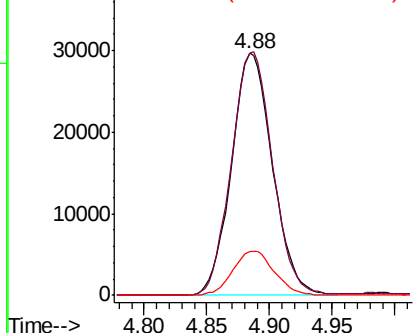
#35
 Dibromofluoromethane
 Concen: 49.715 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027029.D
 Acq: 22 Sep 2018 20:27

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ133I-20180912

Tgt Ion: 113 Resp: 67540
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.2 123.4
 192 18.3 15.2 22.8

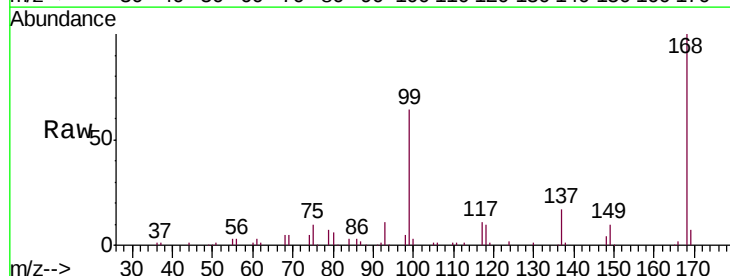


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

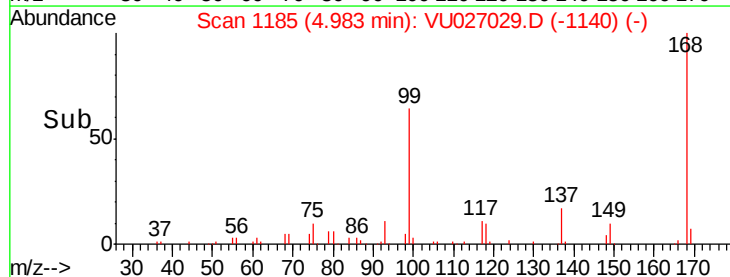
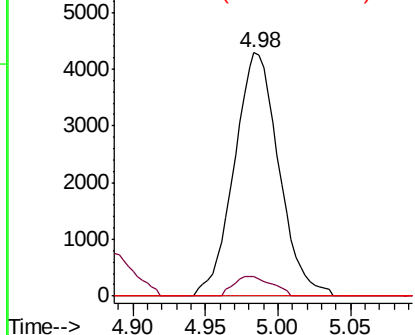


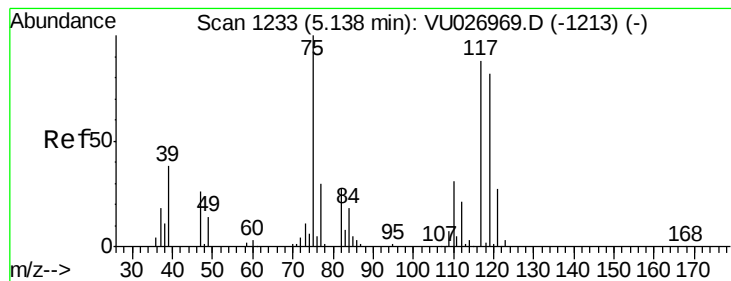
#36
 1,1-Dichloropropene
 Concen: 4.390 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027029.D
 Acq: 22 Sep 2018 20:27

Tgt Ion: 75 Resp: 9182
 Ion Ratio Lower Upper
 75 100
 110 6.9 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: 4.921 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027029.D

Acq: 22 Sep 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ133I-20180912

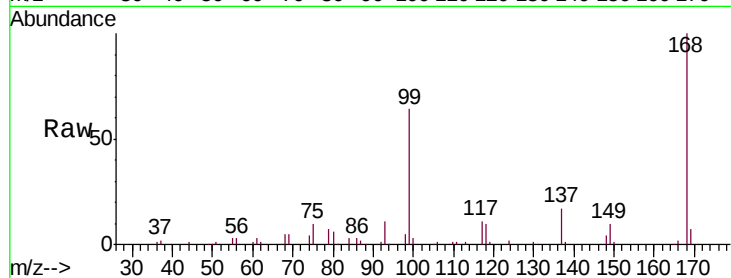
Tgt Ion:117 Resp: 9796

Ion Ratio Lower Upper

117 100

119 7.2 74.4 111.6#

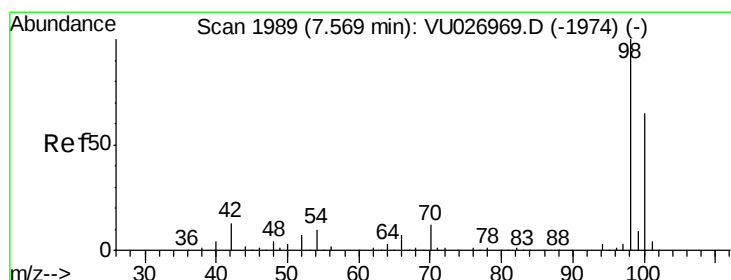
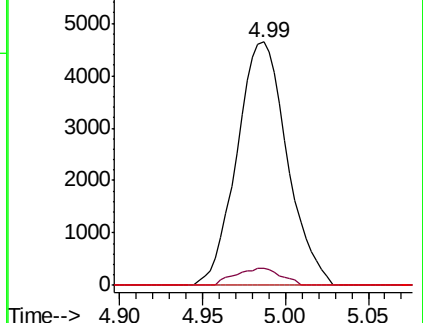
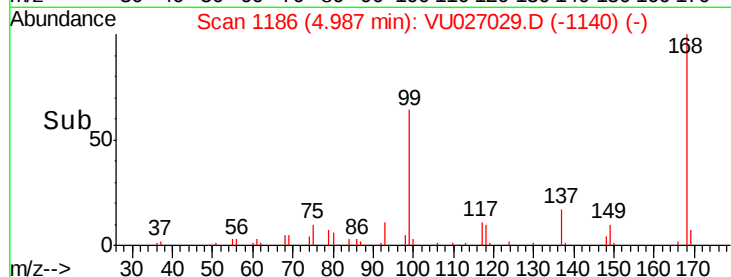
121 0.0 24.2 36.4#



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: 47.044 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027029.D

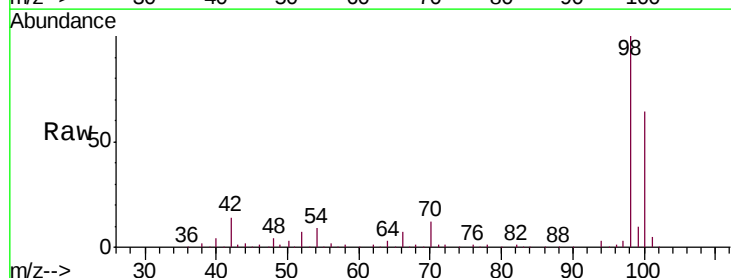
Acq: 22 Sep 2018 20:27

Tgt Ion: 98 Resp: 243567

Ion Ratio Lower Upper

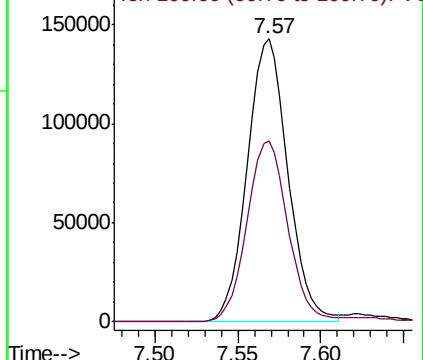
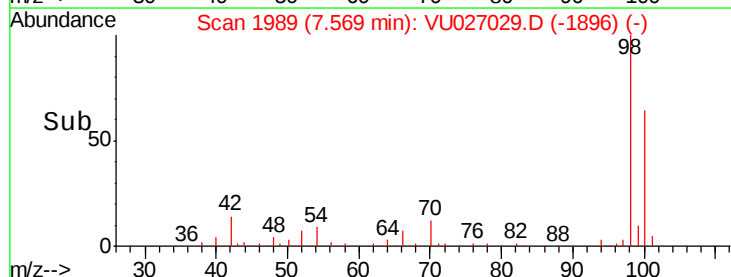
98 100

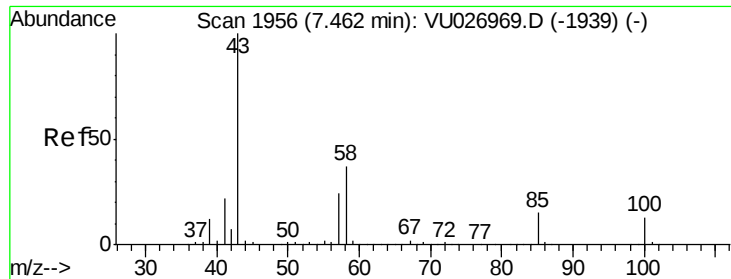
100 64.5 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.466 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.11 min

Lab File: VU027029.D

Acq: 22 Sep 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

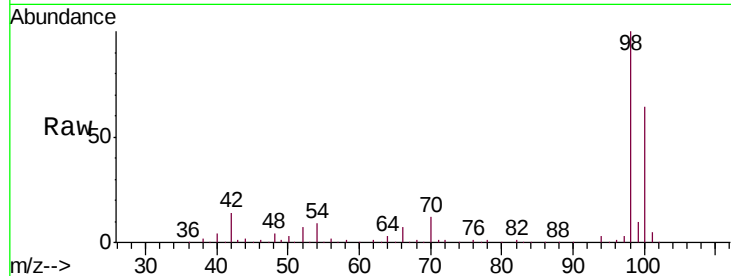
SA-PZ133I-20180912

Tgt Ion: 43 Resp: 1293

Ion Ratio Lower Upper

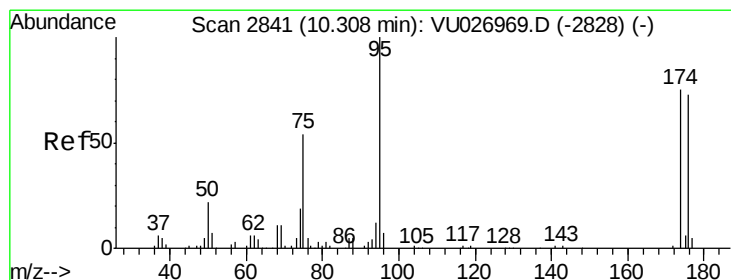
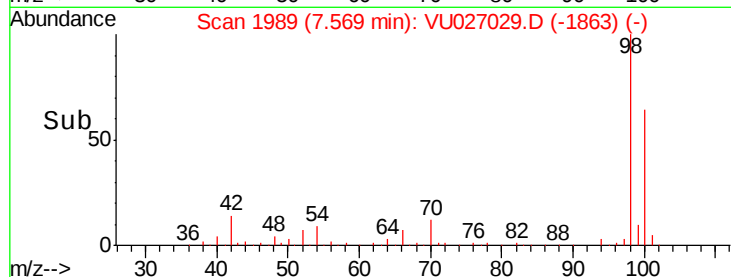
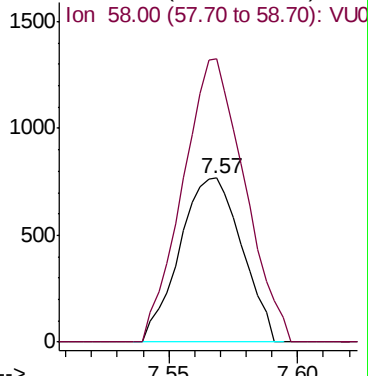
43 100

58 171.8 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 45.871 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027029.D

Acq: 22 Sep 2018 20:27

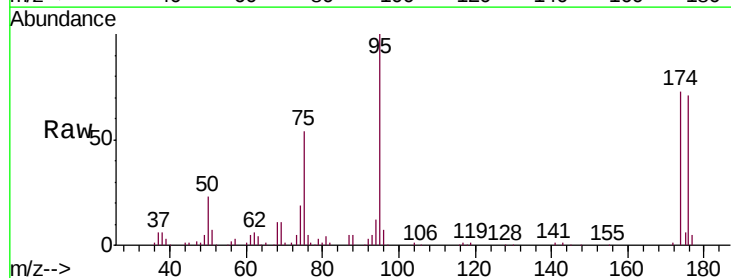
Tgt Ion: 95 Resp: 81493

Ion Ratio Lower Upper

95 100

174 74.3 0.0 150.2

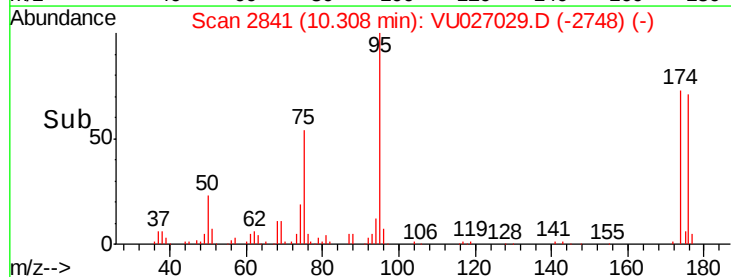
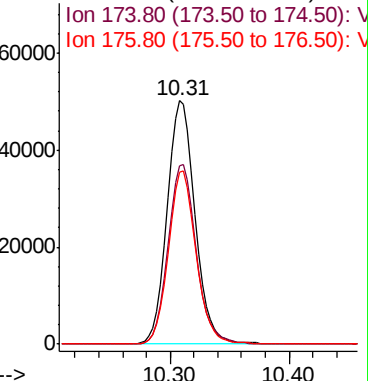
176 70.5 0.0 145.2

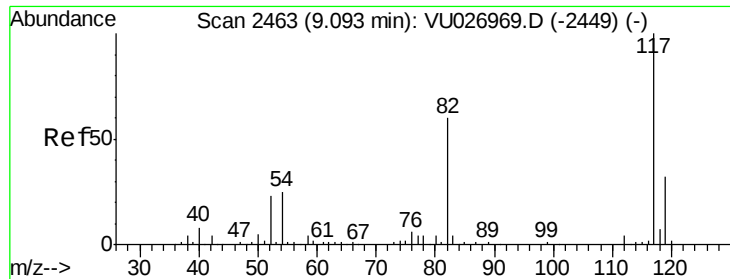


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

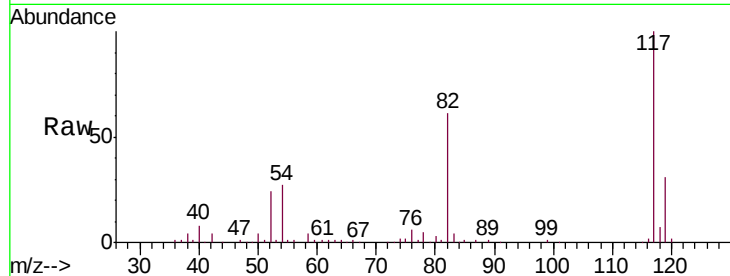




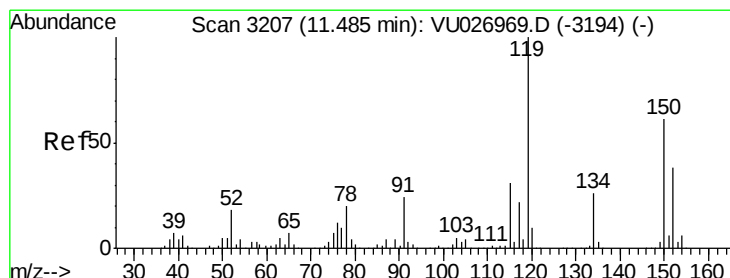
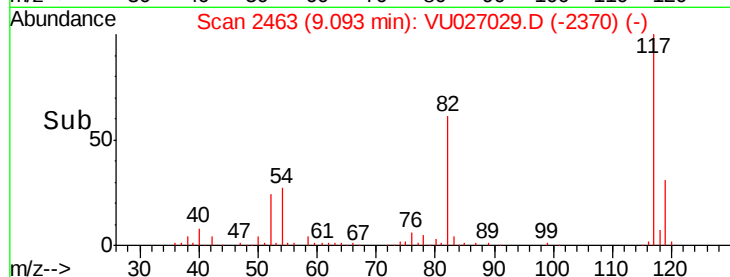
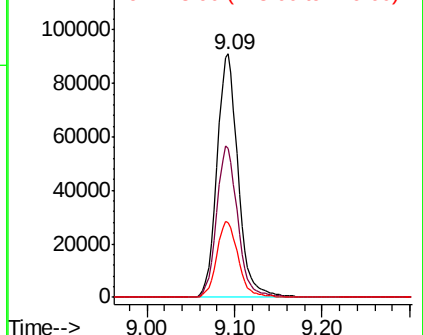
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027029.D
Acq: 22 Sep 2018 20:27

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ133I-20180912

Tgt Ion:117 Resp: 152113
Ion Ratio Lower Upper
117 100
82 61.4 48.0 72.0
119 30.9 25.8 38.8

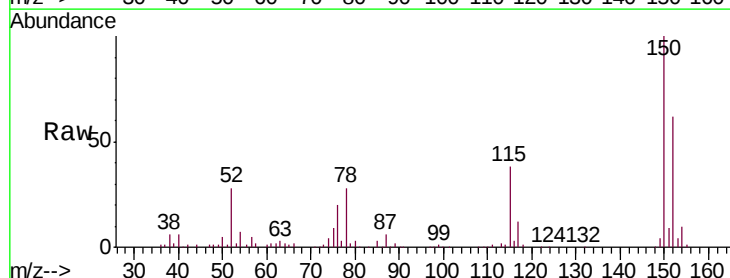


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)
Ion 118.90 (118.60 to 119.60): V

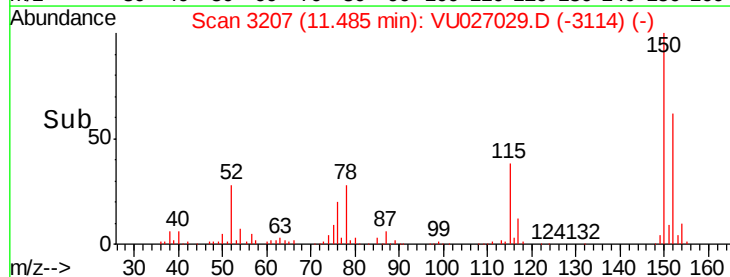
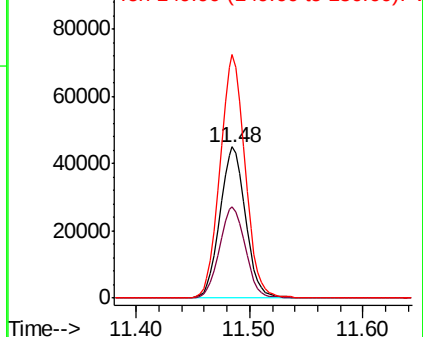


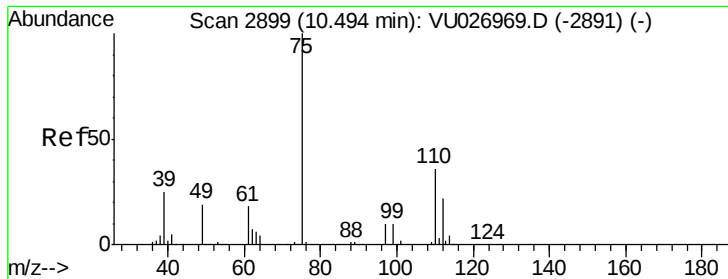
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027029.D
Acq: 22 Sep 2018 20:27

Tgt Ion:152 Resp: 70845
Ion Ratio Lower Upper
152 100
115 61.0 44.9 134.5
150 157.5 0.0 355.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): VU026969.D (-3194) (-)
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 20.466 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027029.D

Acq: 22 Sep 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

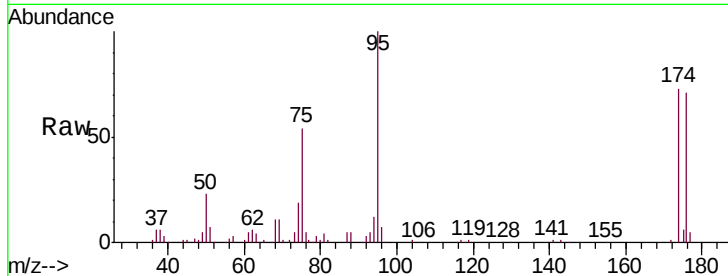
SA-PZ133I-20180912

Tgt Ion: 75 Resp: 44047

Ion Ratio Lower Upper

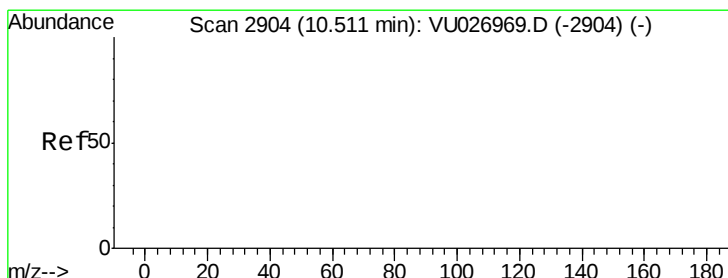
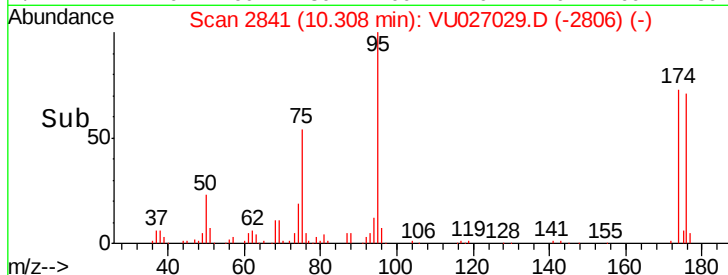
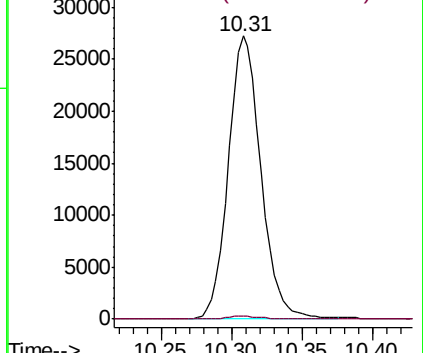
75 100

77 1.0 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: 65.493 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027029.D

Acq: 22 Sep 2018 20:27

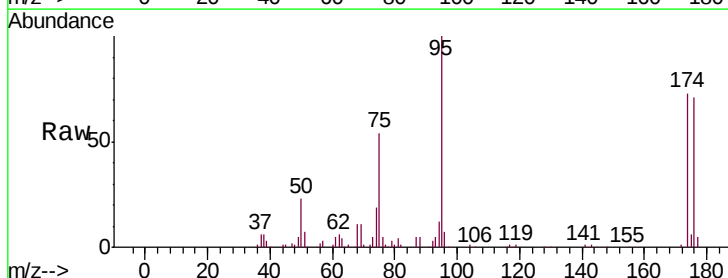
Tgt Ion: 75 Resp: 44047

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

