

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028579.D
 Acq On : 11 Dec 2018 03:15
 Operator : MD/SY
 Sample : J6305-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-12062018

Quant Time: Dec 11 04:42:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

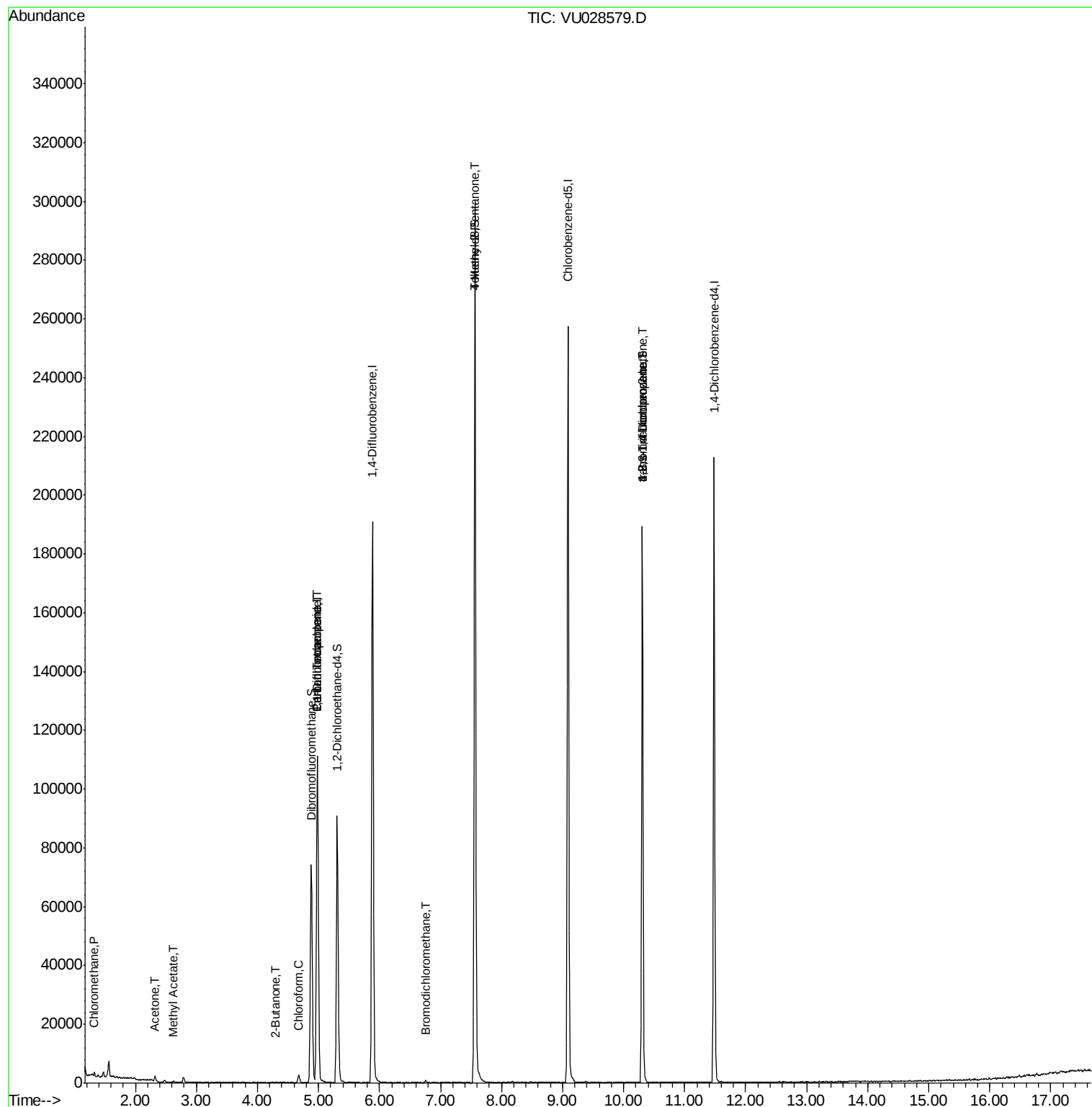
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	83116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	152204	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	51215	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	69198	54.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.12%	
35) Dibromofluoromethane	4.88	113	51824	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
50) Toluene-d8	7.57	98	196440	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	10.31	95	63276	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1144	0.559	ug/l	97
16) Acetone	2.32	43	2298	2.776	ug/l	90
18) Methyl Acetate	2.62	43	556	0.259	ug/l #	56
25) 2-Butanone	4.29	43	331	0.293	ug/l #	52
30) Chloroform	4.67	83	2554	1.315	ug/l	92
31) Cyclohexane	4.98	56	2026	Below Cal	#	4
36) 1,1-Dichloropropene	4.98	75	7420	4.455	ug/l #	50
38) Carbon Tetrachloride	4.98	117	8044	5.992	ug/l #	15
47) Bromodichloromethane	6.76	83	827	0.519	ug/l #	93
51) 4-Methyl-2-Pentanone	7.56	43	1009	0.470	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	33222	25.403	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	33222	62.328	ug/l #	100

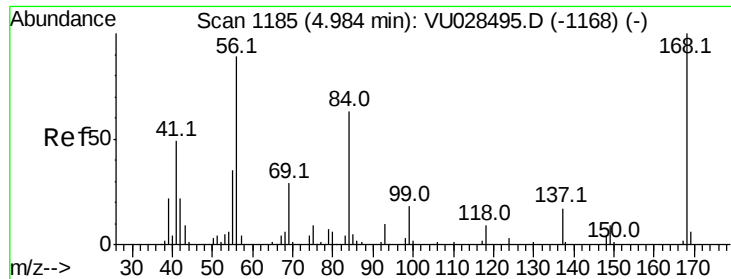
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028579.D

Acq: 11 Dec 2018 03:15

Instrument :

MSVOA_U

ClientSampleId :

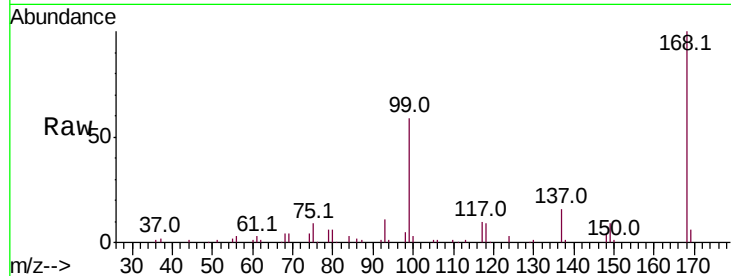
TB-12062018

Tot Ion:168 Resp: 83116

Ion Ratio Lower Upper

168 100

99 58.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

40000

30000

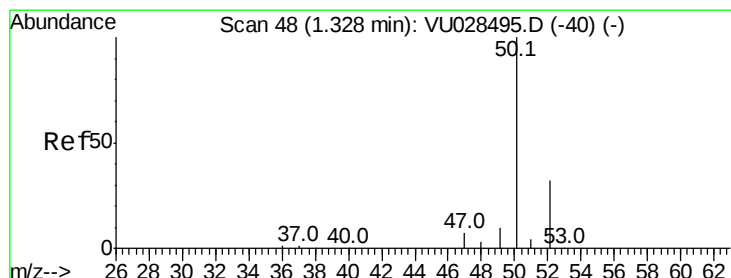
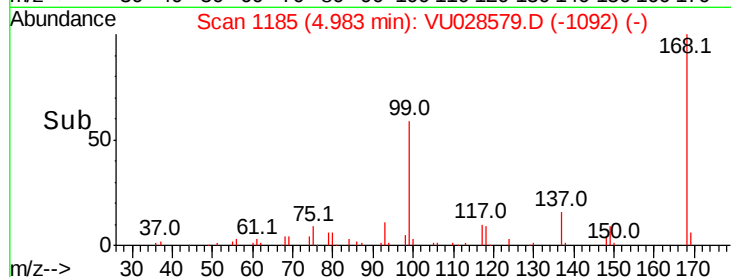
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.559 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028579.D

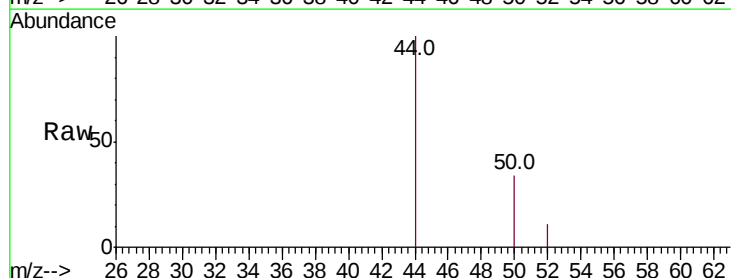
Acq: 11 Dec 2018 03:15

Tgt Ion: 50 Resp: 1144

Ion Ratio Lower Upper

50 100

52 33.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

800

600

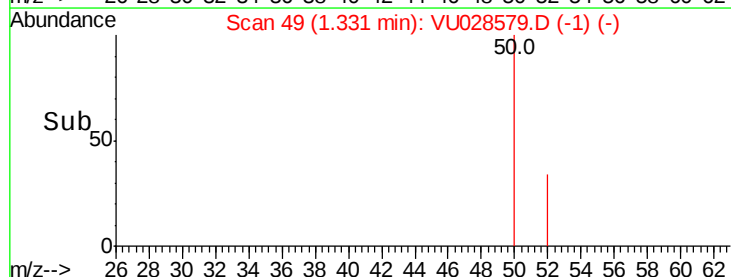
400

200

0

1.30 1.35

Time-->





#16

Acetone

Concen: 2.776 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028579.D

Acq: 11 Dec 2018 03:15

Instrument :

MSVOA_U

ClientSampleId :

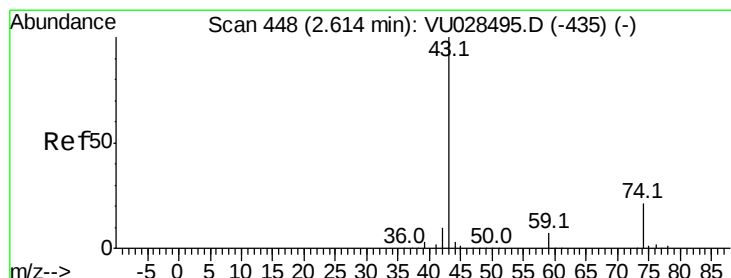
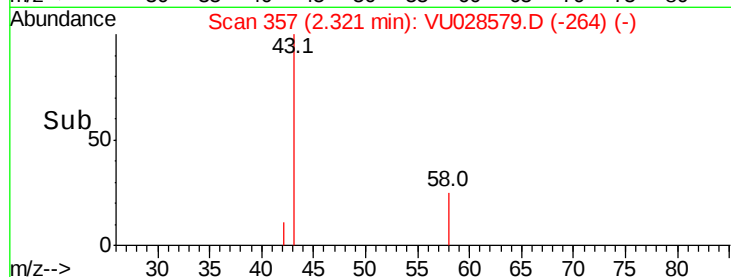
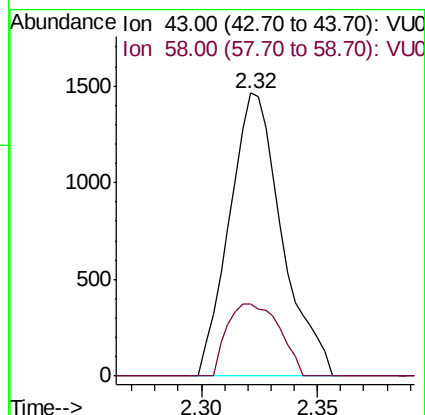
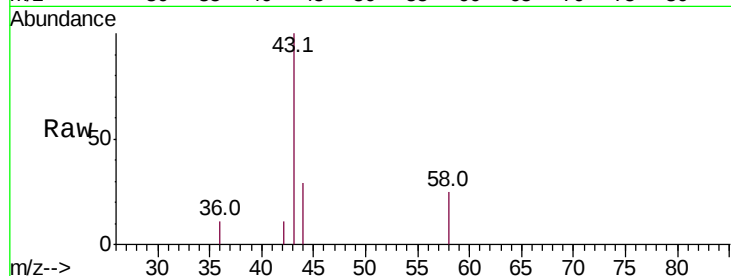
TB-12062018

Tot Ion: 43 Resp: 2298

Ion Ratio Lower Upper

43 100

58 25.4 24.6 37.0



#18

Methyl Acetate

Concen: 0.259 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028579.D

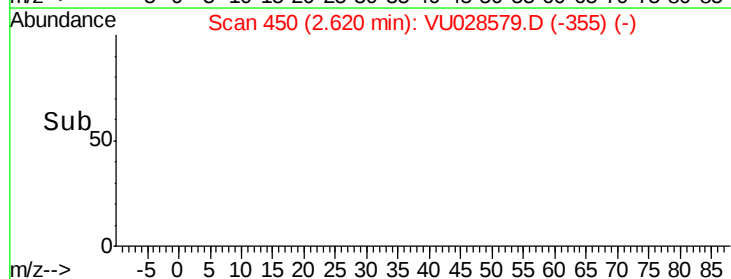
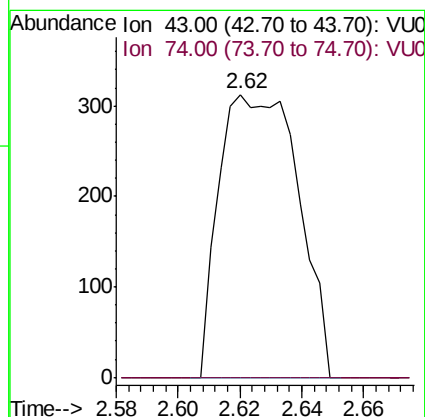
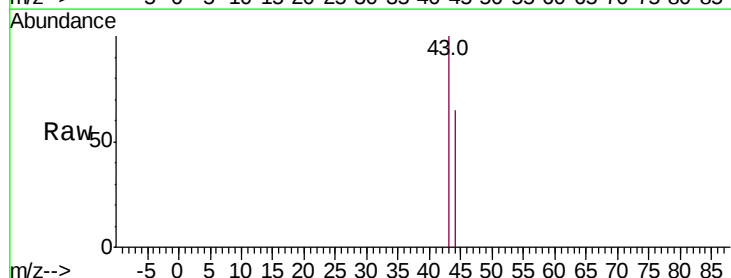
Acq: 11 Dec 2018 03:15

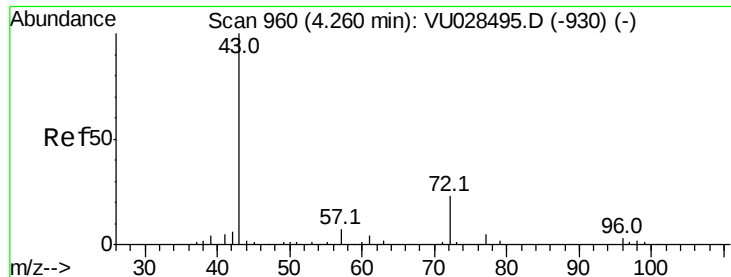
Tgt Ion: 43 Resp: 556

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#





#25

2-Butanone

Concen: 0.293 ug/l

RT: 4.29 min Scan# 970

Delta R.T. 0.03 min

Lab File: VU028579.D

Acq: 11 Dec 2018 03:15

Instrument :

MSVOA_U

ClientSampleId :

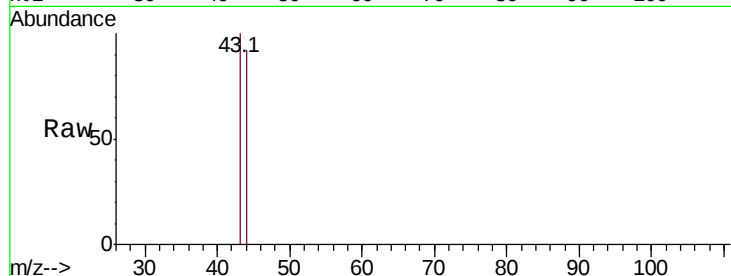
TB-12062018

Tot Ion: 43 Resp: 331

Ion Ratio Lower Upper

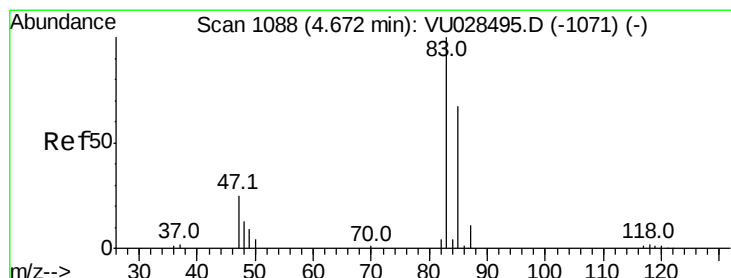
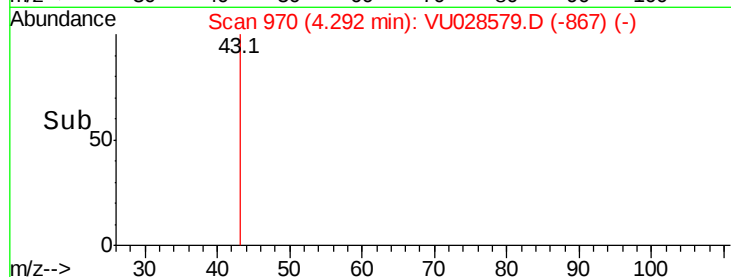
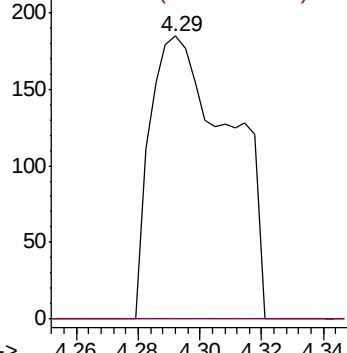
43 100

72 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#30

Chloroform

Concen: 1.315 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028579.D

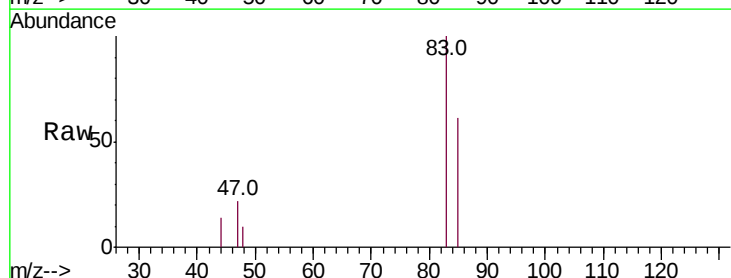
Acq: 11 Dec 2018 03:15

Tgt Ion: 83 Resp: 2554

Ion Ratio Lower Upper

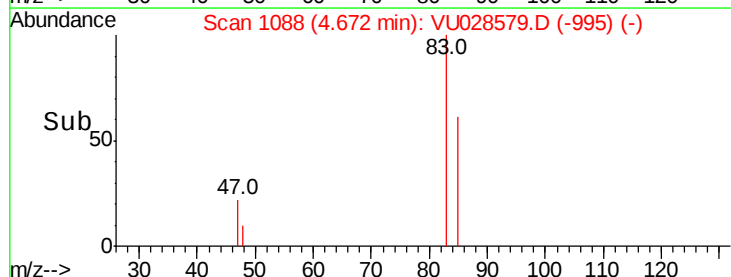
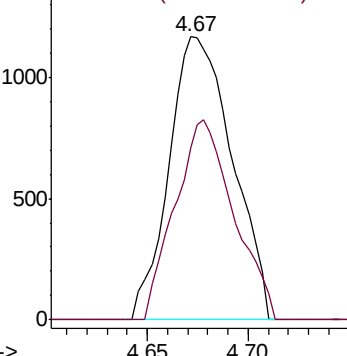
83 100

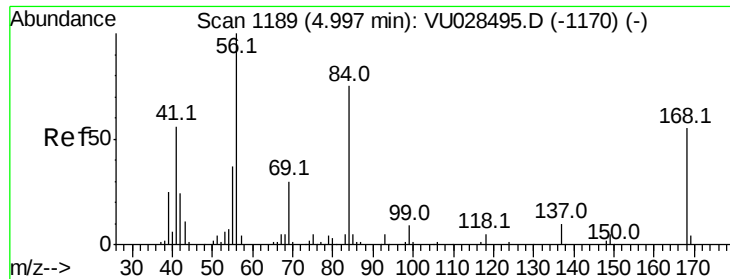
85 60.8 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

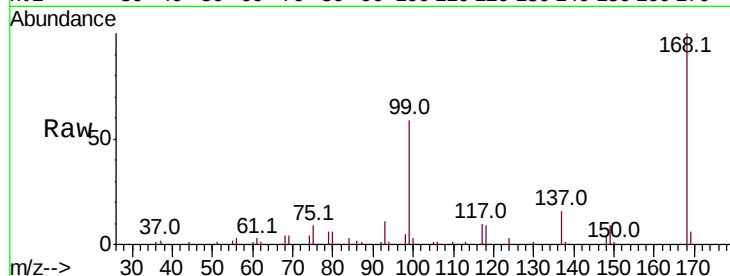




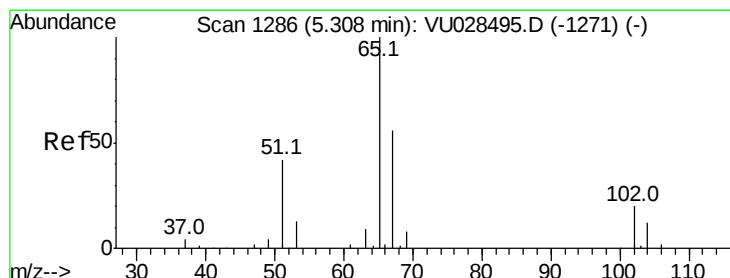
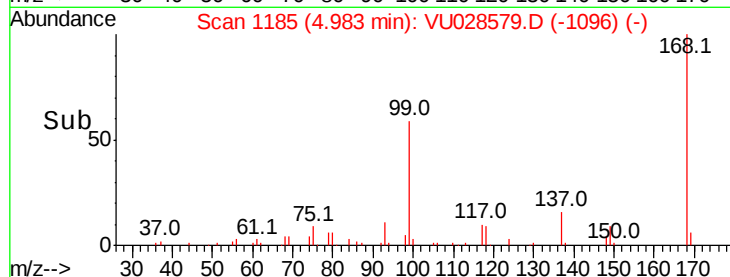
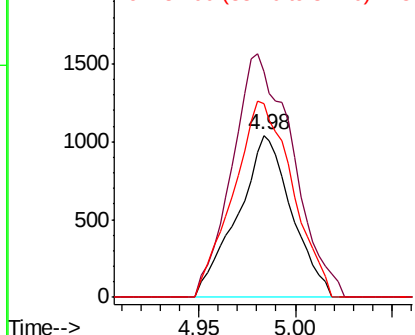
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028579.D
Acq: 11 Dec 2018 03:15

Instrument :
MSVOA_U
ClientSampleId :
TB-12062018

Tot Ion: 56 Resp: 2026
Ion Ratio Lower Upper
56 100
69 139.3 24.0 36.0#
84 119.6 59.7 89.5#

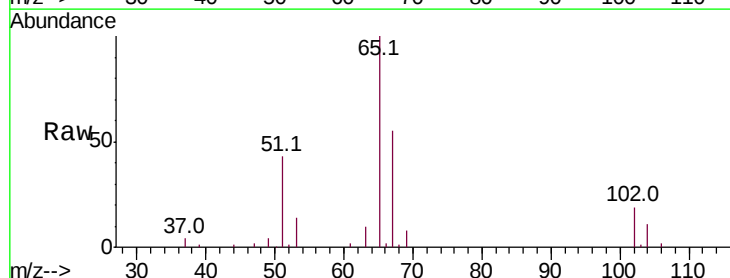


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

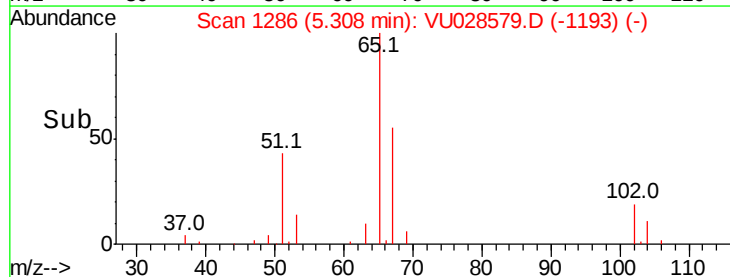
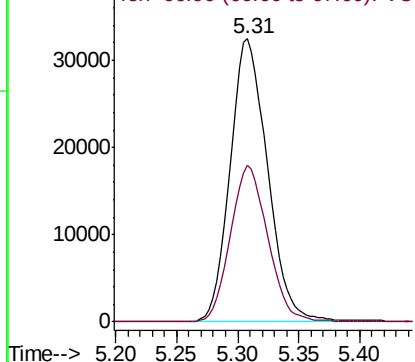


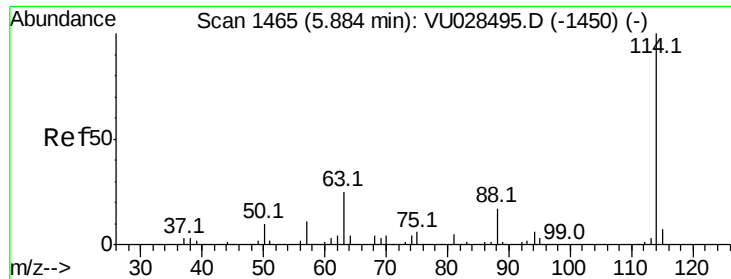
#33
1,2-Dichloroethane-d4
Concen: 54.555 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028579.D
Acq: 11 Dec 2018 03:15

Tgt Ion: 65 Resp: 69198
Ion Ratio Lower Upper
65 100
67 55.2 0.0 110.6



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: VU028579.D

Acq: 11 Dec 2018 03:15

Instrument :

MSVOA_U

ClientSampleId :

TB-12062018

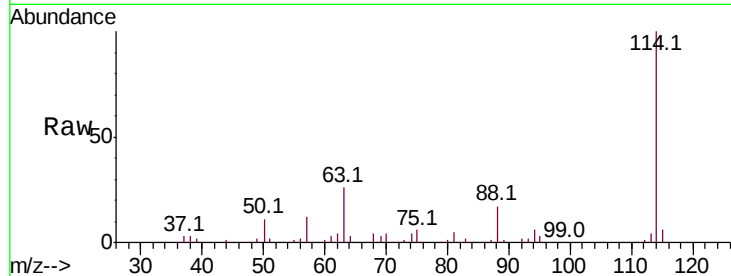
Tot Ion:114 Resp: 152204

Ion Ratio Lower Upper

114 100

63 25.8 0.0 49.2

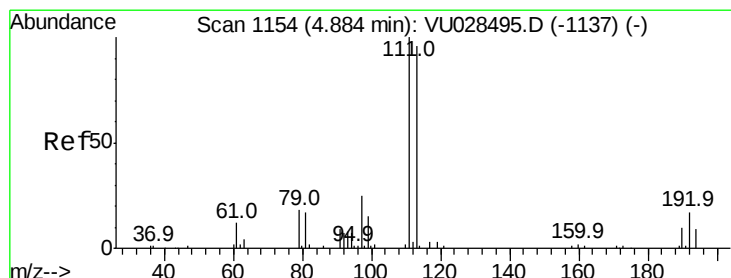
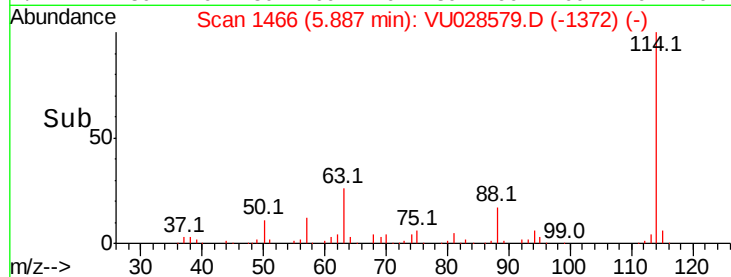
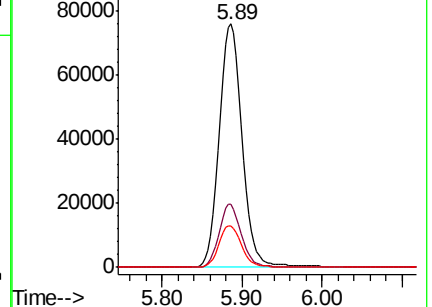
88 16.9 0.0 33.4



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: 54.106 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028579.D

Acq: 11 Dec 2018 03:15

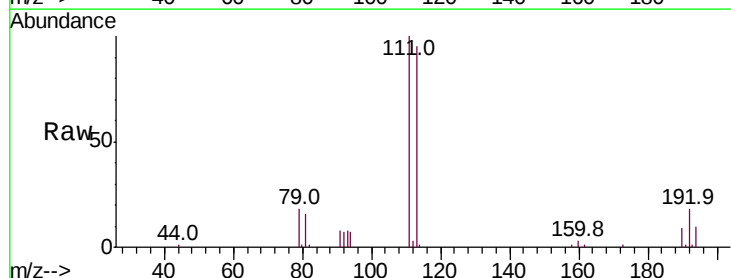
Tgt Ion:113 Resp: 51824

Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.0

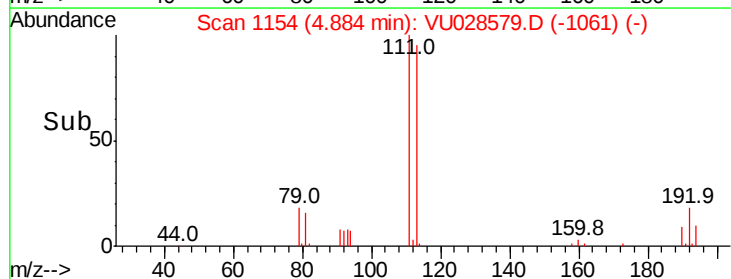
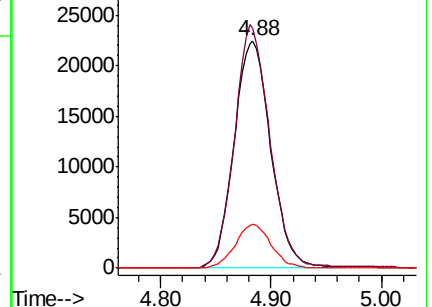
192 18.7 14.8 22.2

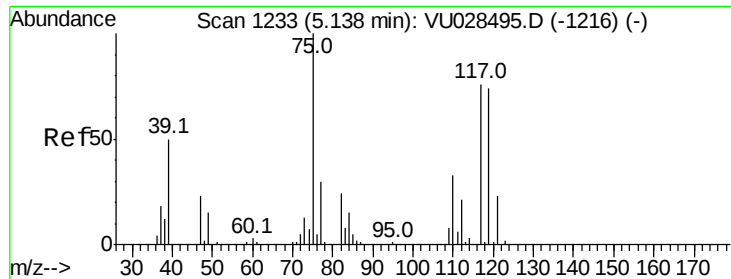


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

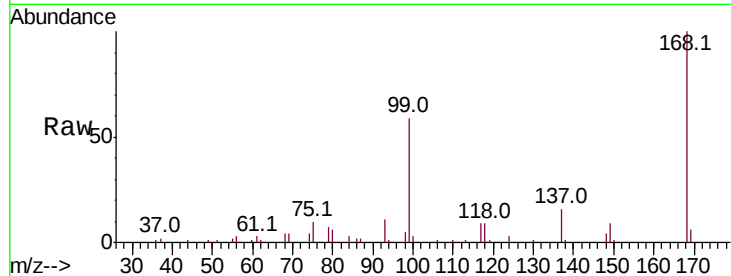




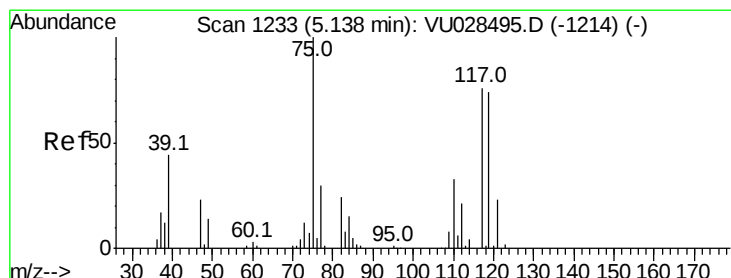
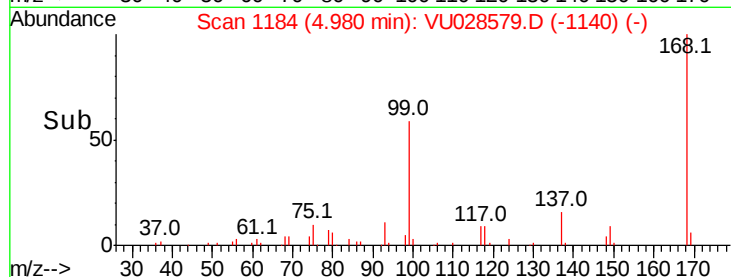
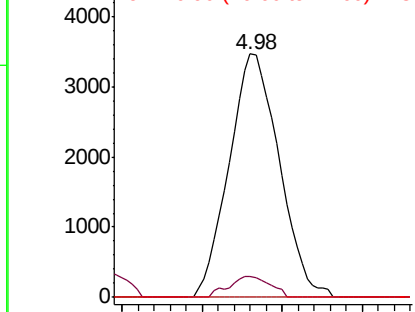
#36
 1,1-Dichloropropene
 Concen: 4.455 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028579.D
 Acq: 11 Dec 2018 03:15

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-12062018

Tot Ion: 75 Resp: 7420
 Ion Ratio Lower Upper
 75 100
 110 7.0 16.1 48.2#
 77 0.0 24.5 36.7#

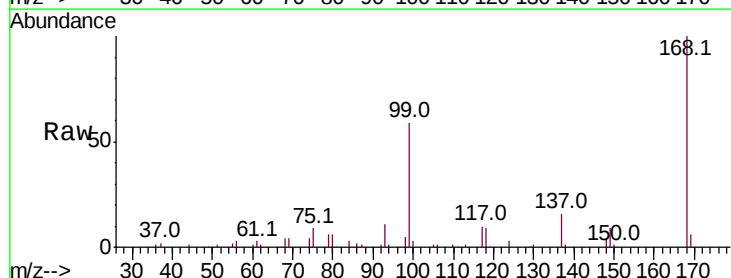


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

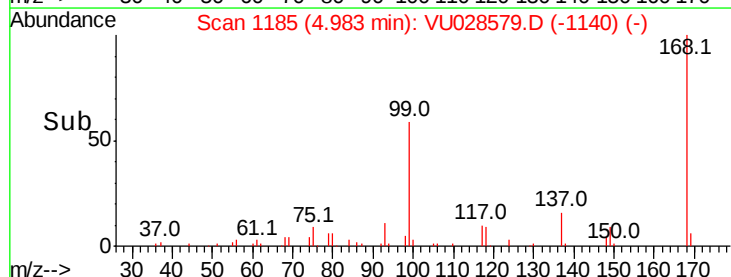
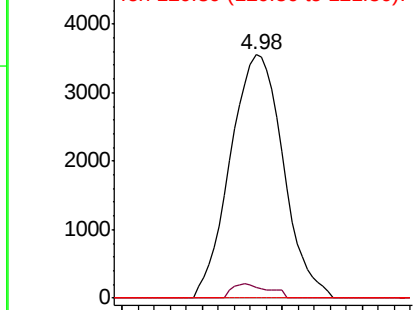


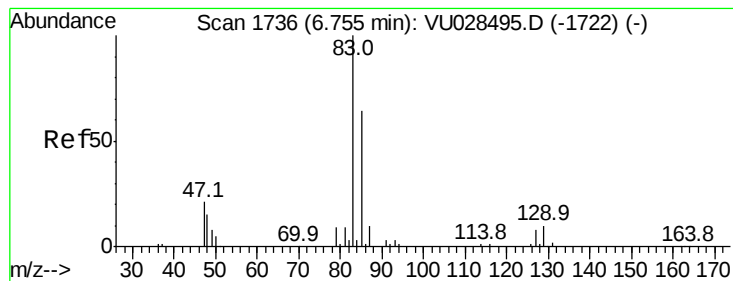
#38
 Carbon Tetrachloride
 Concen: 5.992 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028579.D
 Acq: 11 Dec 2018 03:15

Tgt Ion: 117 Resp: 8044
 Ion Ratio Lower Upper
 117 100
 119 4.6 77.6 116.4#
 121 0.0 24.6 36.8#



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





#47

Bromodichloromethane

Concen: 0.519 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU028579.D

Acq: 11 Dec 2018 03:15

Instrument :

MSVOA_U

ClientSampleId :

TB-12062018

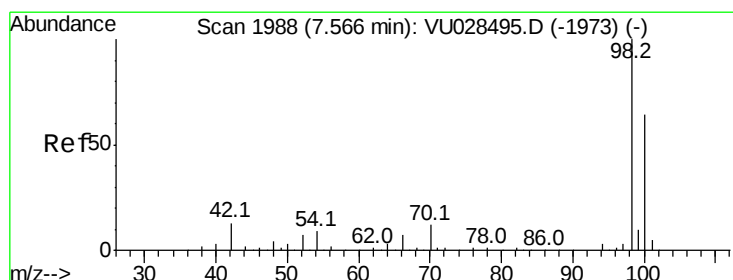
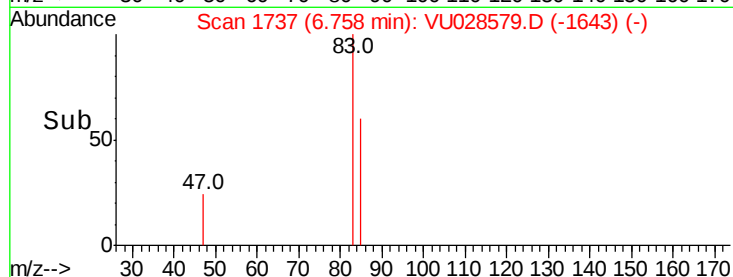
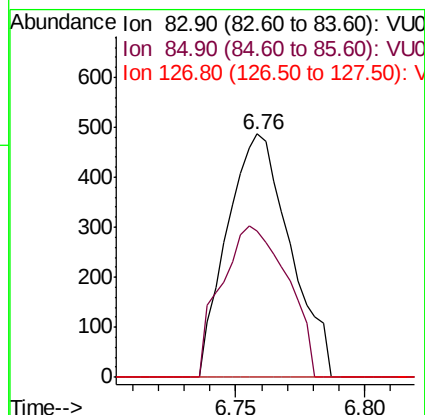
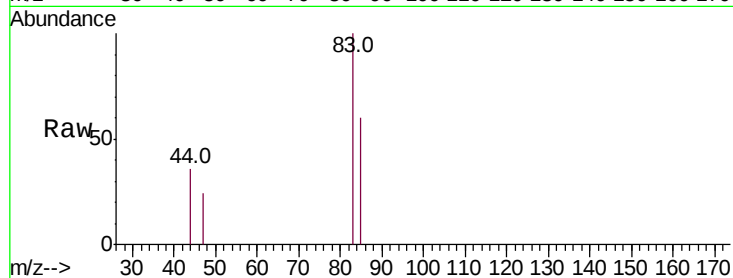
Tot Ion: 83 Resp: 827

Ion Ratio Lower Upper

83 100

85 60.0 51.5 77.3

127 0.0 6.2 9.4#



#50

Toluene-d8

Concen: 51.845 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028579.D

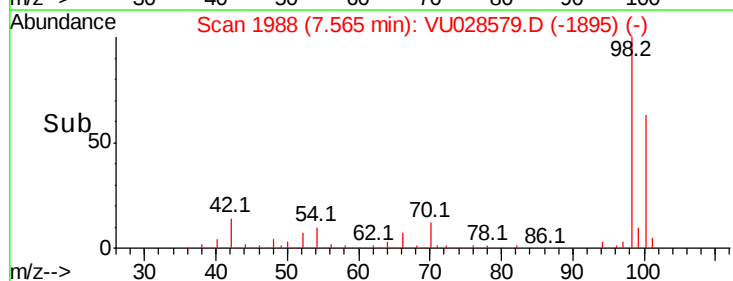
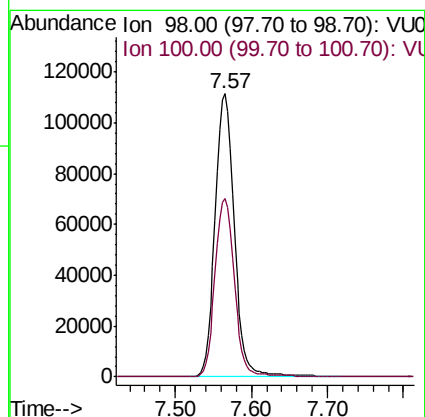
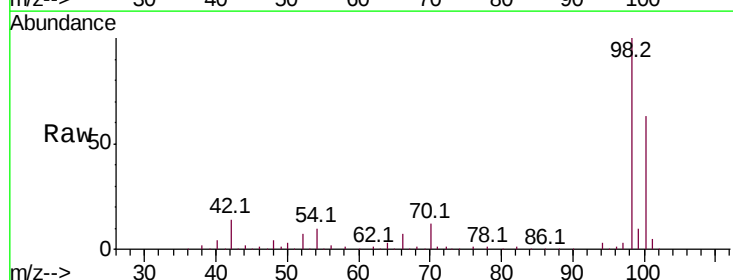
Acq: 11 Dec 2018 03:15

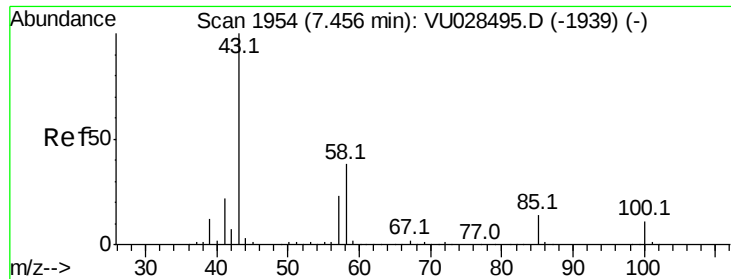
Tgt Ion: 98 Resp: 196440

Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 0.470 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028579.D

Acq: 11 Dec 2018 03:15

Instrument :

MSVOA_U

ClientSampleId :

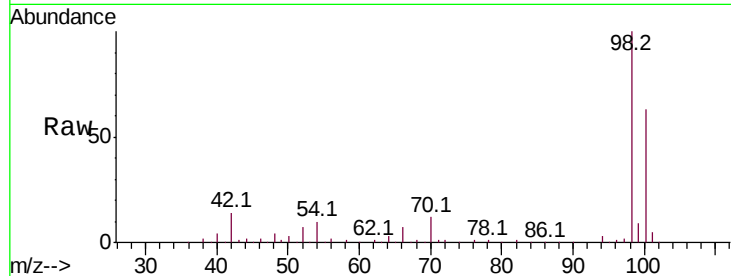
TB-12062018

Tot Ion: 43 Resp: 1009

Ion Ratio Lower Upper

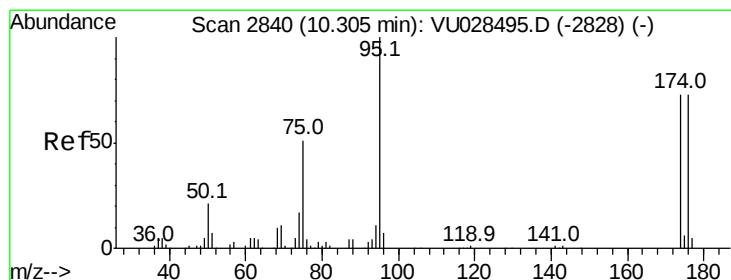
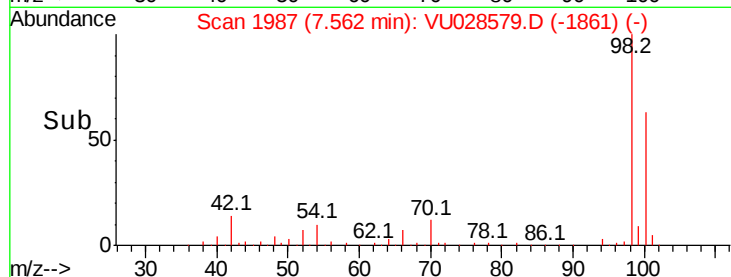
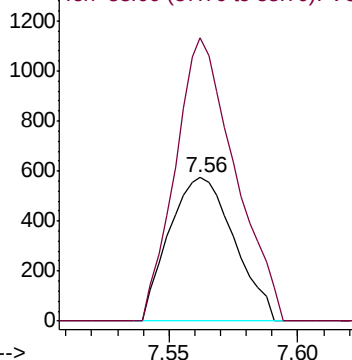
43 100

58 180.9 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 44.680 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028579.D

Acq: 11 Dec 2018 03:15

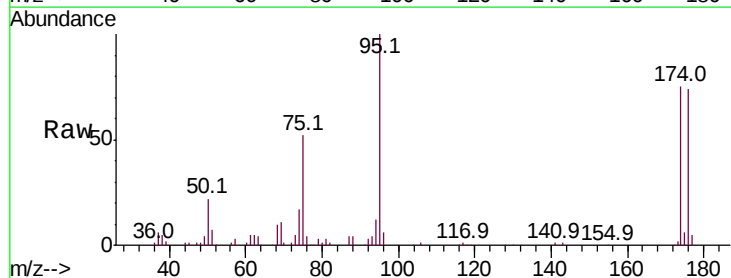
Tgt Ion: 95 Resp: 63276

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.4

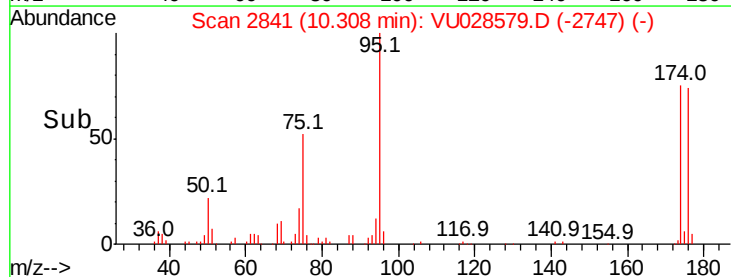
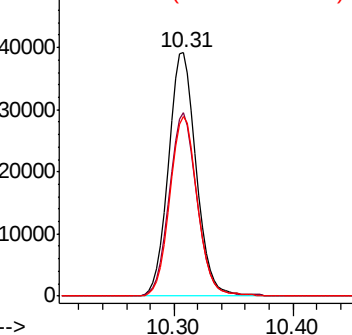
176 73.2 0.0 145.2

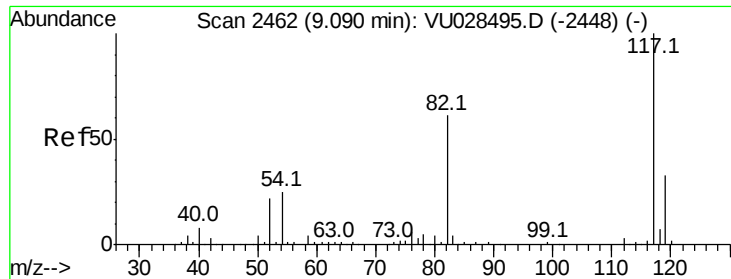


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

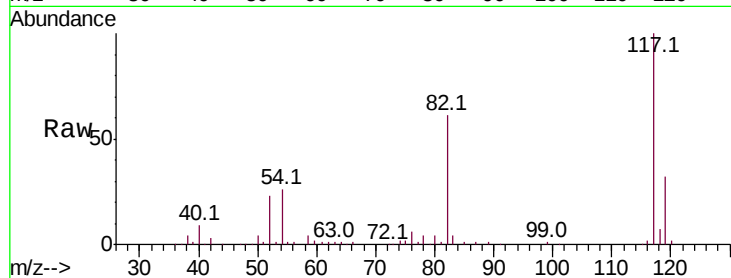




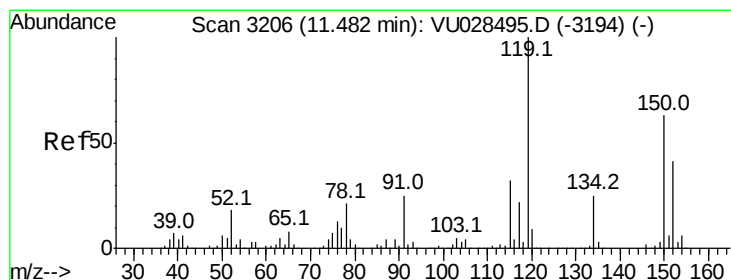
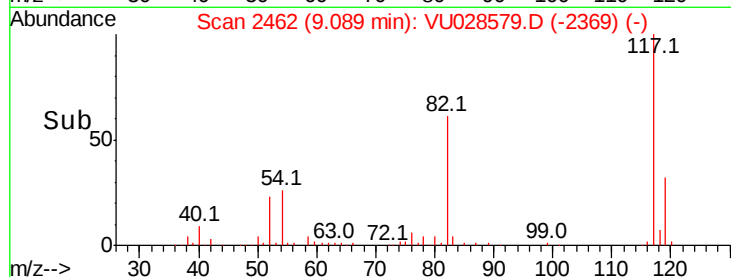
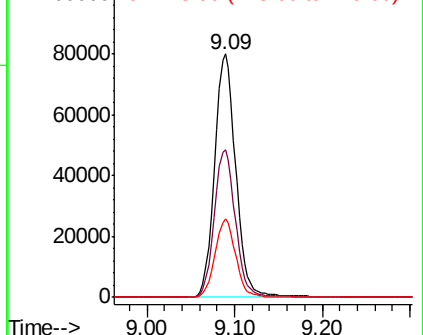
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028579.D
Acq: 11 Dec 2018 03:15

Instrument :
MSVOA_U
ClientSampleId :
TB-12062018

Tot Ion:117 Resp: 134656
Ion Ratio Lower Upper
117 100
82 60.7 48.9 73.3
119 32.1 26.2 39.4

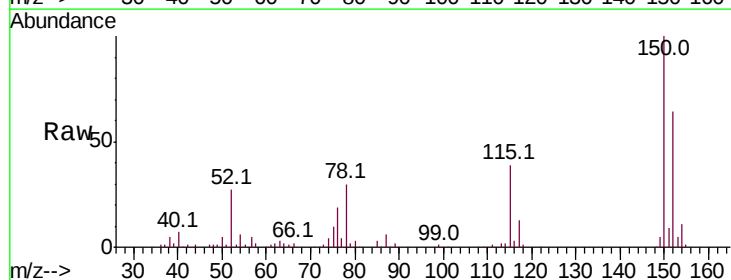


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

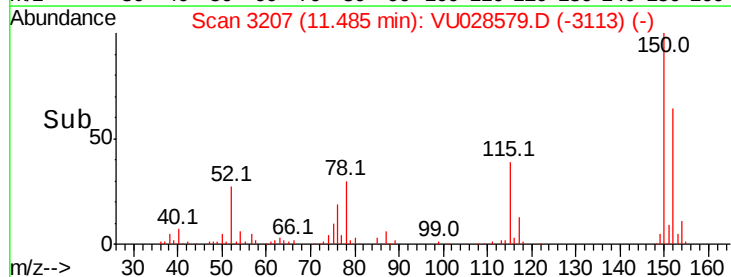
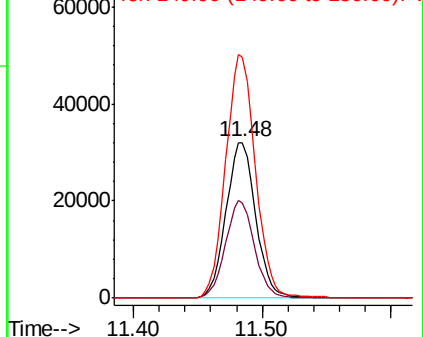


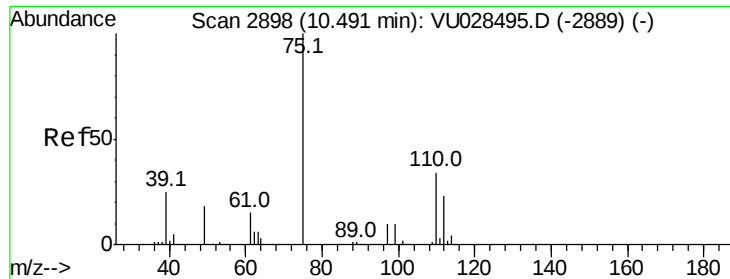
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU028579.D
Acq: 11 Dec 2018 03:15

Tgt Ion:152 Resp: 51215
Ion Ratio Lower Upper
152 100
115 60.9 42.7 128.1
150 157.2 0.0 346.0



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: 25.403 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028579.D

Acq: 11 Dec 2018 03:15

Instrument :

MSVOA_U

ClientSampleId :

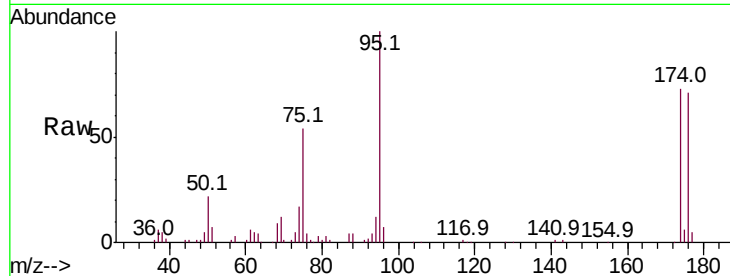
TB-12062018

Tot Ion: 75 Resp: 33222

Ion Ratio Lower Upper

75 100

77 0.8 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.30

20000

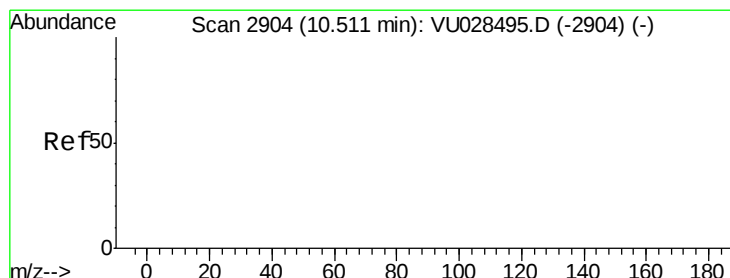
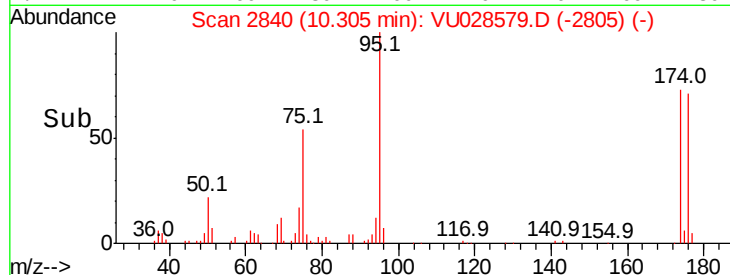
15000

10000

5000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 62.328 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028579.D

Acq: 11 Dec 2018 03:15

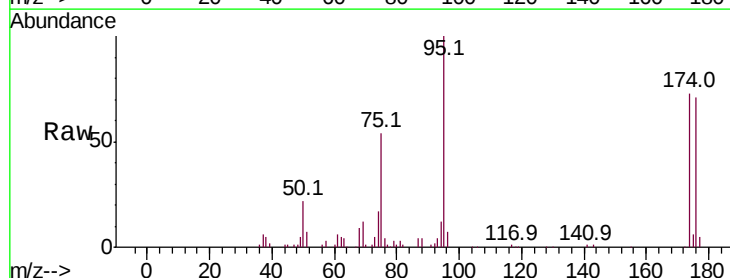
Tgt Ion: 75 Resp: 33222

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

25000

20000

15000

10000

5000

0

Time-->

