

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121518\
 Data File : VU028703.D
 Acq On : 14 Dec 2018 23:17
 Operator : MD/SY
 Sample : J6395-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:24:43 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

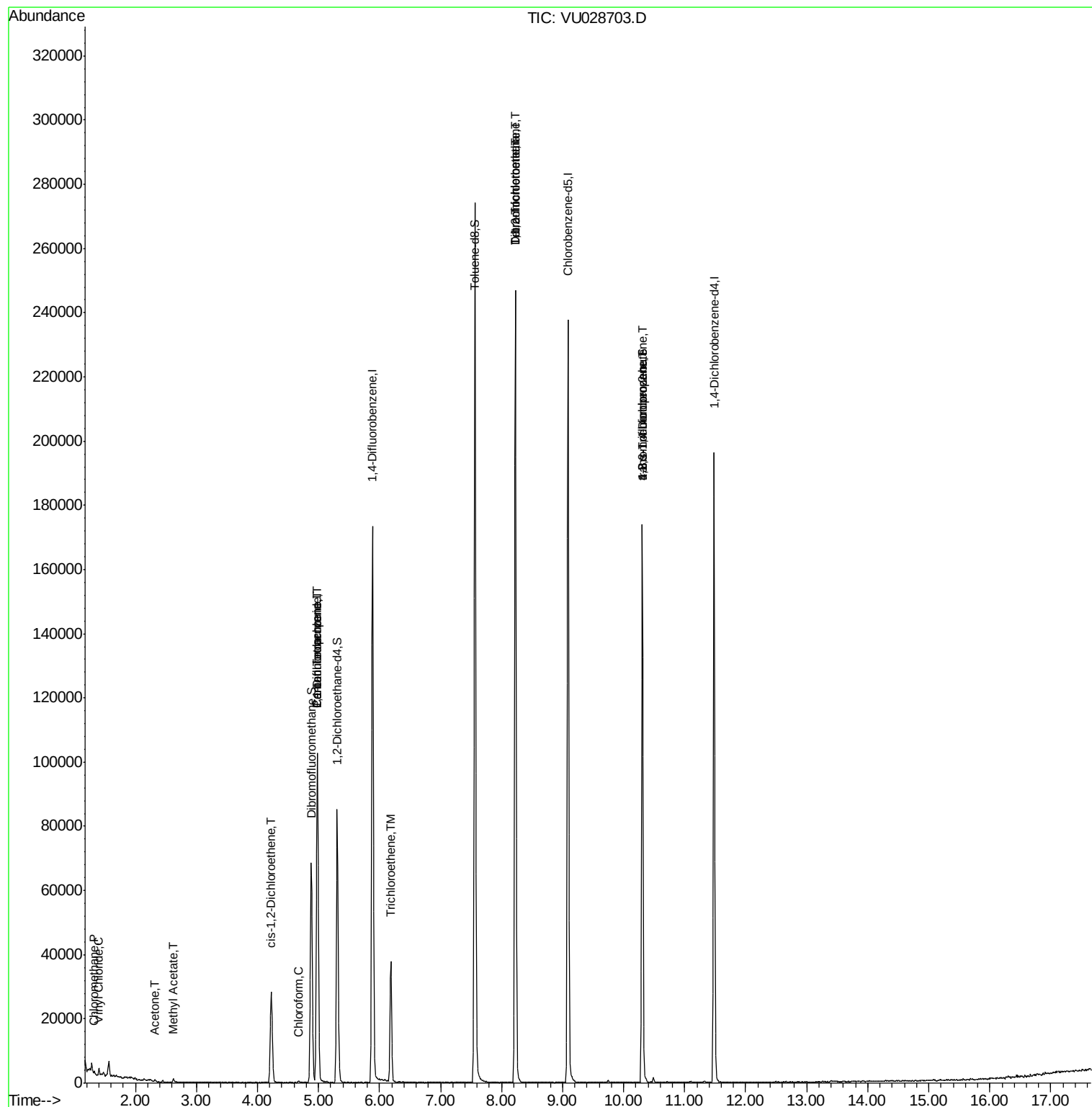
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	75414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	137001	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	124516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	47676	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	65085	56.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.10%	
35) Dibromofluoromethane	4.88	113	47443	55.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.06%	
50) Toluene-d8	7.57	98	177884	52.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	10.31	95	57955	45.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.92%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	770	0.414	ug/l	96
4) Vinyl Chloride	1.40	62	1417	1.057	ug/l	92
16) Acetone	2.32	43	956	1.273	ug/l #	81
18) Methyl Acetate	2.62	43	1498	0.769	ug/l #	63
27) cis-1,2-Dichloroethene	4.23	96	15233	14.236	ug/l	89
30) Chloroform	4.68	83	464	0.263	ug/l	97
31) Cyclohexane	4.98	56	1726	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	6553	4.371	ug/l #	49
38) Carbon Tetrachloride	4.98	117	7813	6.466	ug/l #	16
44) Trichloroethene	6.19	130	11855	12.075	ug/l	96
55) 1,1,2-Trichloroethane	8.22	97	392	0.382	ug/l #	1
60) Dibromochloromethane	8.22	129	52327	52.031	ug/l #	10
64) Tetrachloroethene	8.22	164	54185	65.240	ug/l	98
76) 1,2,3-Trichloropropane	10.30	75	31042	25.498	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	31042	62.559	ug/l #	100

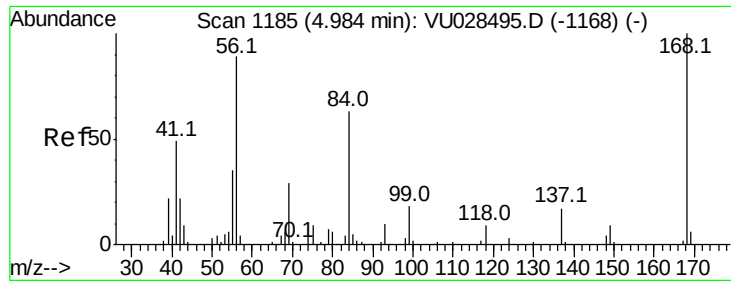
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121518\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028703.D

Acq: 14 Dec 2018 23:17

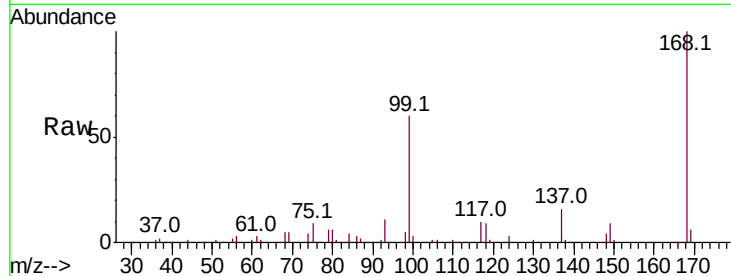
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 75414

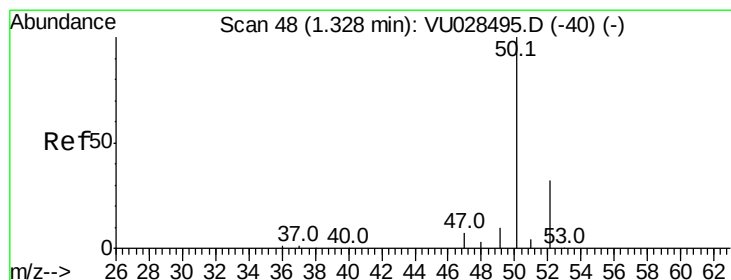
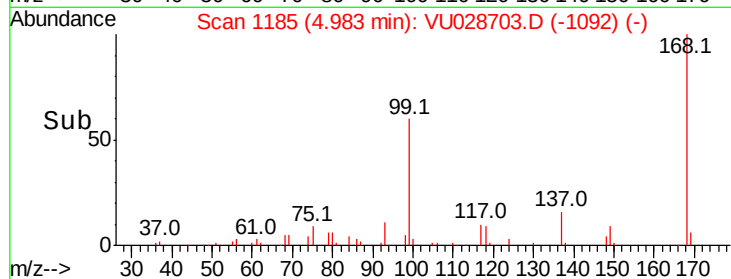
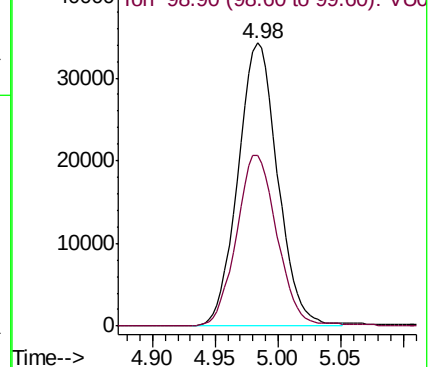
Ion Ratio Lower Upper

168 100

99 60.2 46.6 69.8



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



#3

Chloromethane

Concen: 0.414 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028703.D

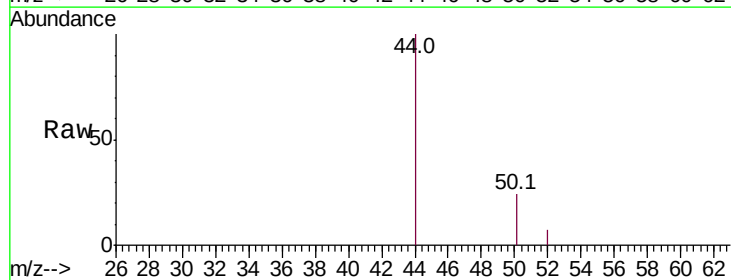
Acq: 14 Dec 2018 23:17

Tgt Ion: 50 Resp: 770

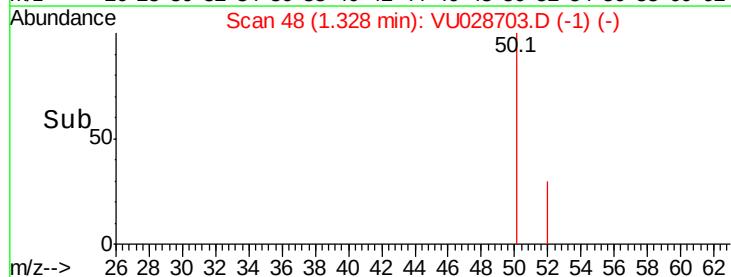
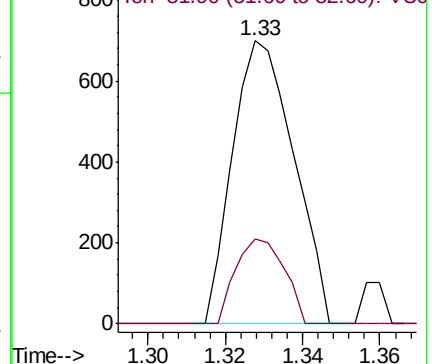
Ion Ratio Lower Upper

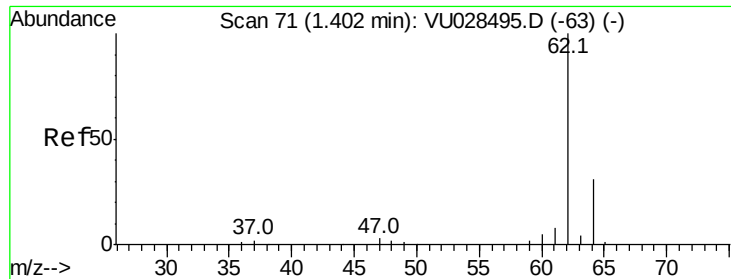
50 100

52 29.9 25.5 38.3



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





#4

Vinyl Chloride

Concen: 1.057 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028703.D

Acq: 14 Dec 2018 23:17

Instrument :

MSVOA_U

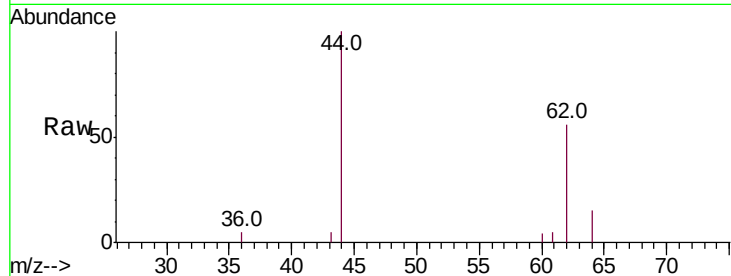
ClientSampleId :

Tot Ion: 62 Resp: 1417

Ion Ratio Lower Upper

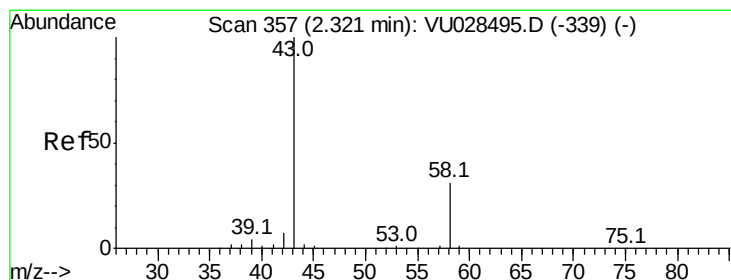
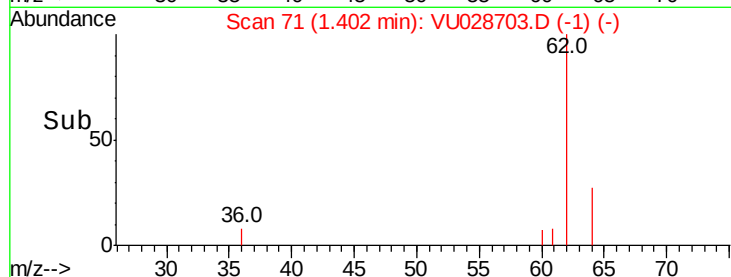
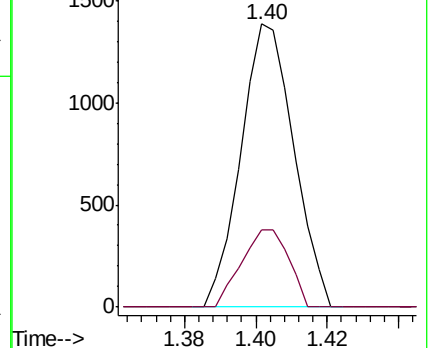
62 100

64 27.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#16

Acetone

Concen: 1.273 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028703.D

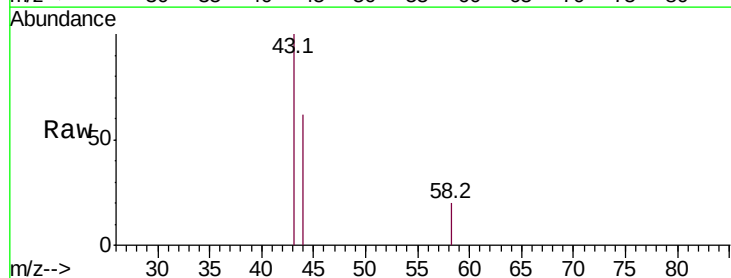
Acq: 14 Dec 2018 23:17

Tgt Ion: 43 Resp: 956

Ion Ratio Lower Upper

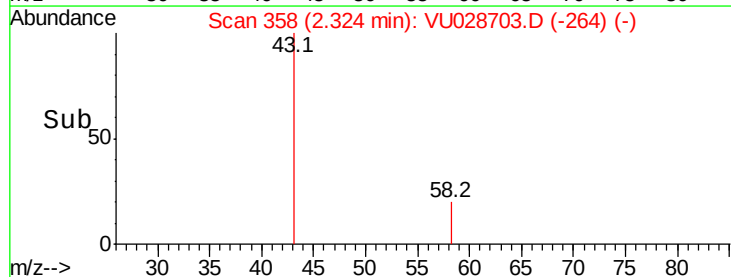
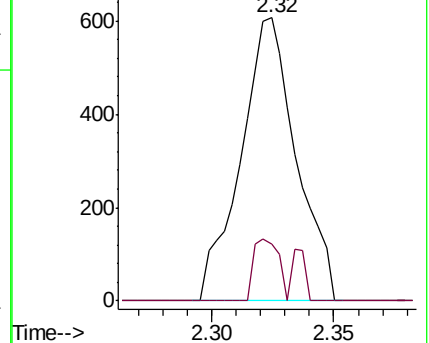
43 100

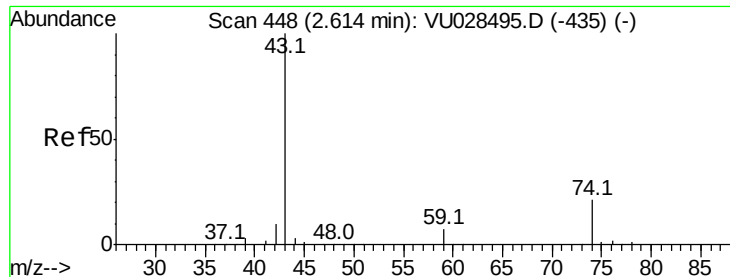
58 20.3 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

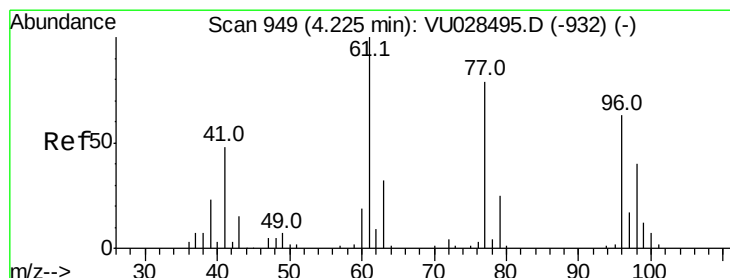
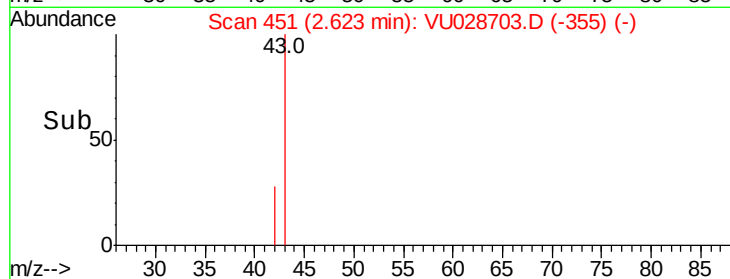
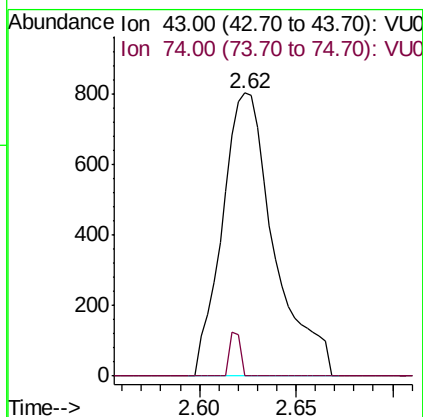
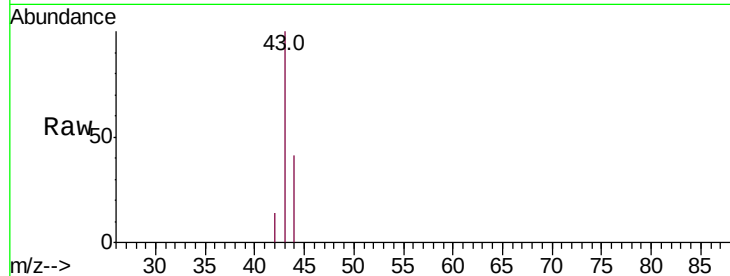




#18
Methvl Acetate
Concen: 0.769 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028703.D
Acq: 14 Dec 2018 23:17

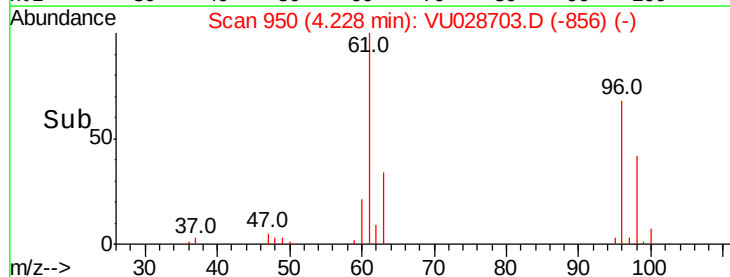
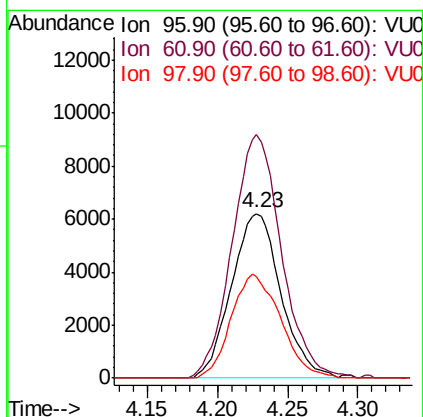
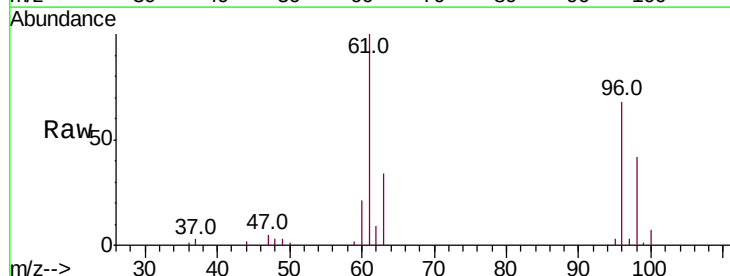
Instrument :
MSVOA_U
ClientSampled :

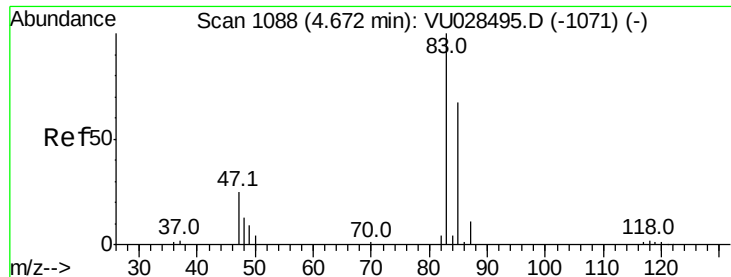
Tot Ion: 43 Resp: 1498
Ion Ratio Lower Upper
43 100
74 3.1 16.4 24.6#



#27
cis-1,2-Dichloroethene
Concen: 14.236 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028703.D
Acq: 14 Dec 2018 23:17

Tgt Ion: 96 Resp: 15233
Ion Ratio Lower Upper
96 100
61 147.3 0.0 332.4
98 63.1 0.0 129.0

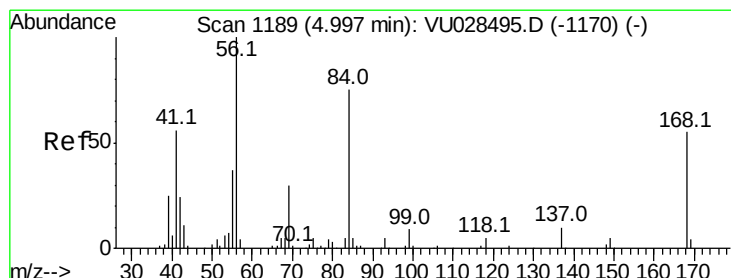
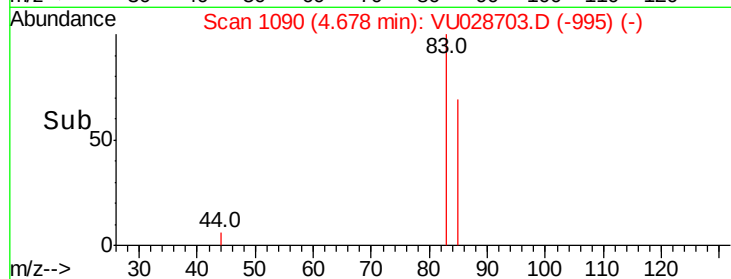
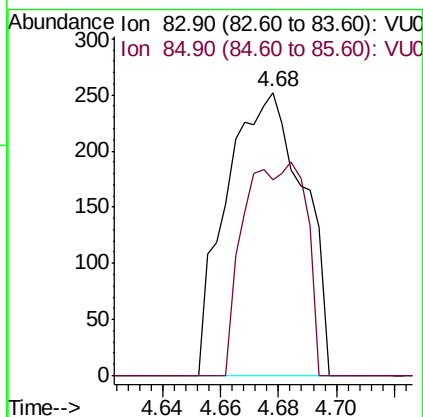
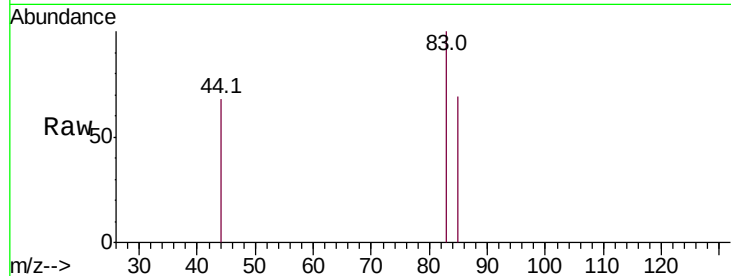




#30
Chloroform
Concen: 0.263 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VU028703.D
Acq: 14 Dec 2018 23:17

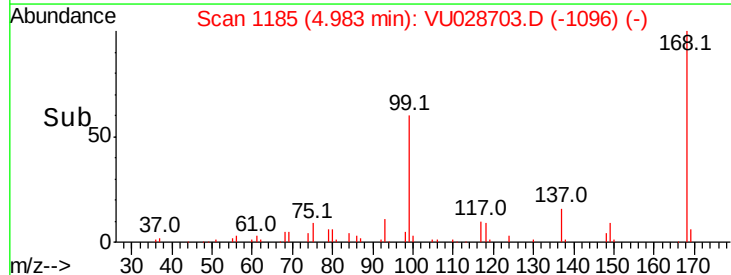
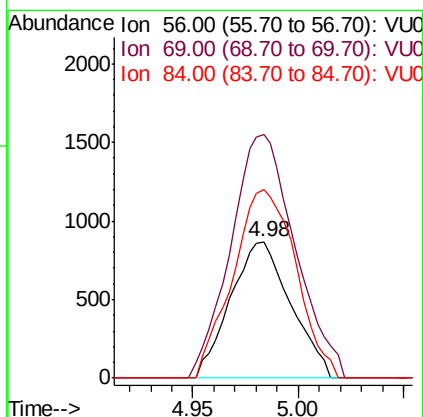
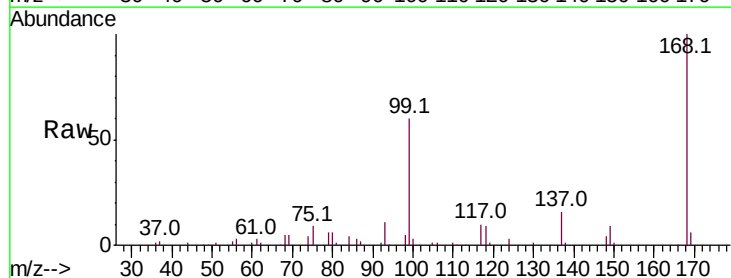
Instrument :
MSVOA_U
ClientSampled :

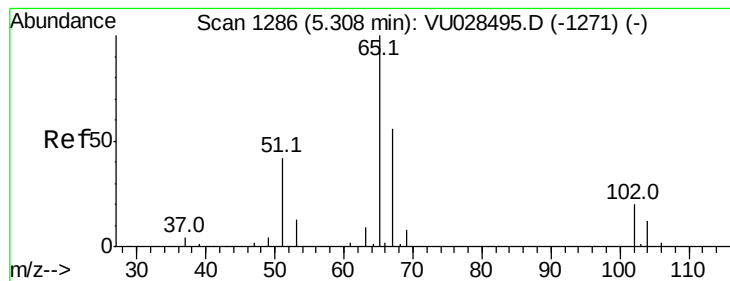
Tot Ion: 83 Resp: 464
Ion Ratio Lower Upper
83 100
85 69.0 53.6 80.4



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028703.D
Acq: 14 Dec 2018 23:17

Tgt Ion: 56 Resp: 1726
Ion Ratio Lower Upper
56 100
69 178.7 24.0 36.0#
84 138.2 59.7 89.5#





#33

1,2-Dichloroethane-d4

Concen: 56.553 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028703.D

Acq: 14 Dec 2018 23:17

Instrument :

MSVOA_U

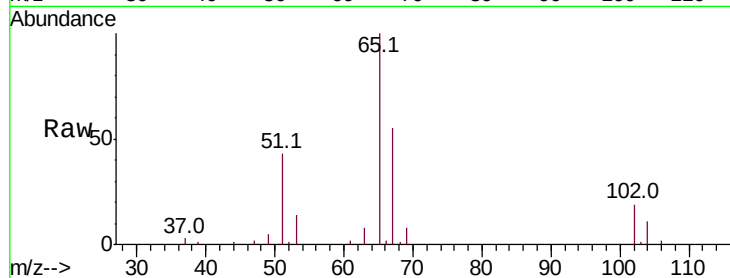
ClientSampleId :

Tot Ion: 65 Resp: 65085

Ion Ratio Lower Upper

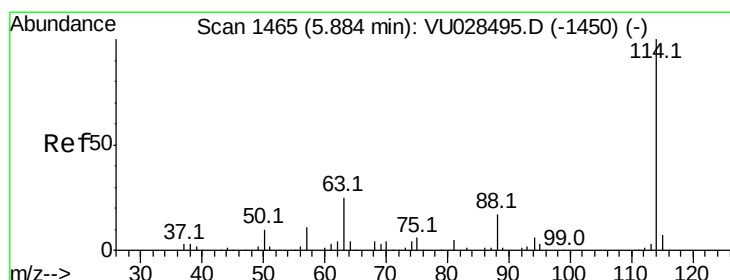
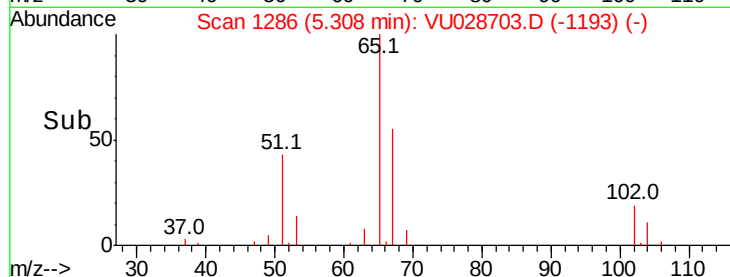
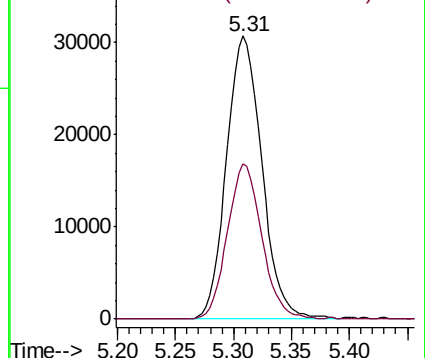
65 100

67 53.3 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: VU028703.D

Acq: 14 Dec 2018 23:17

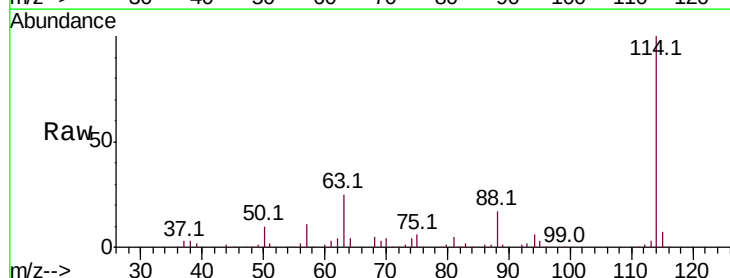
Tgt Ion:114 Resp: 137001

Ion Ratio Lower Upper

114 100

63 25.2 0.0 49.2

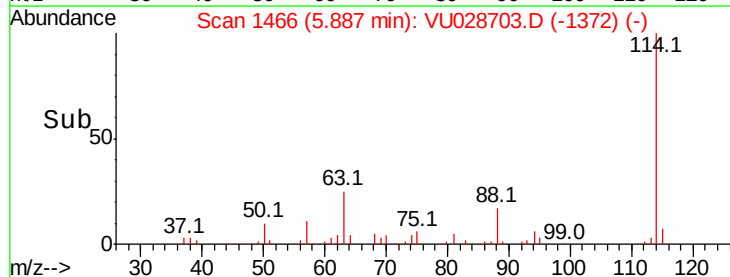
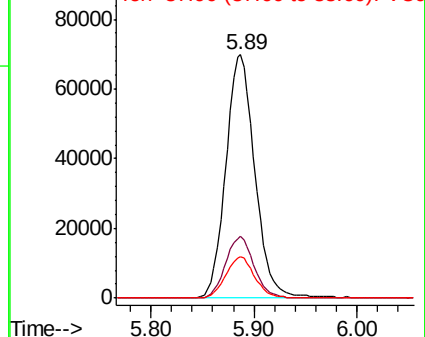
88 17.0 0.0 33.4

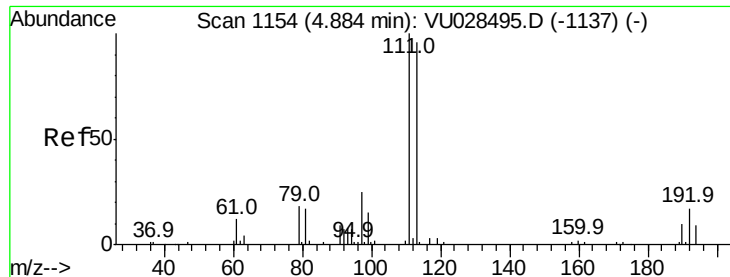


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

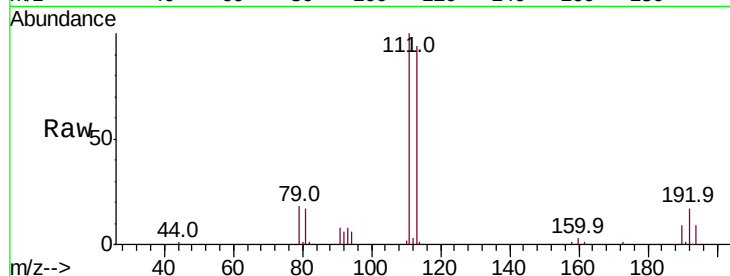




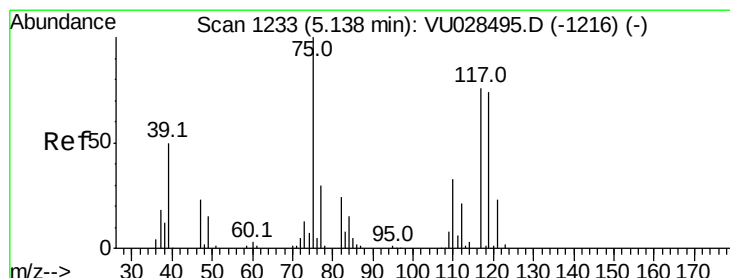
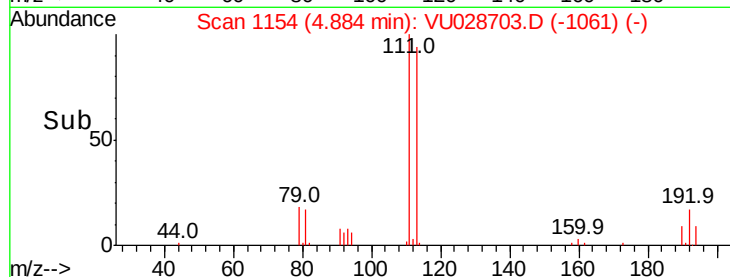
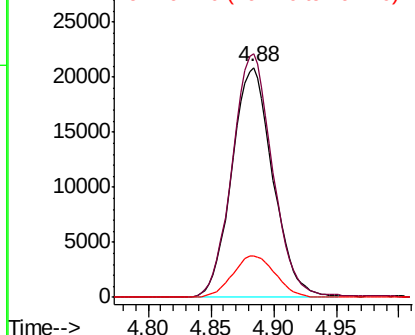
#35
Dibromofluoromethane
Concen: 55.028 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VU028703.D
Acq: 14 Dec 2018 23:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:113 Resp: 47443
Ion Ratio Lower Upper
113 100
111 104.2 83.4 125.0
192 18.8 14.8 22.2

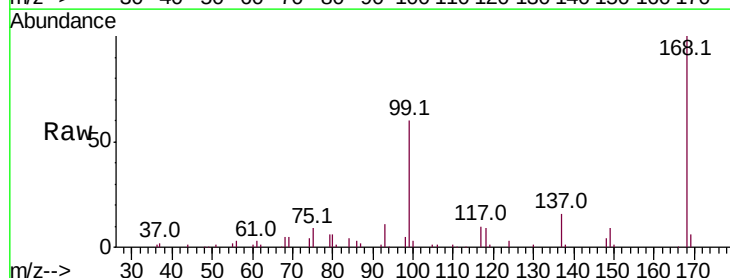


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

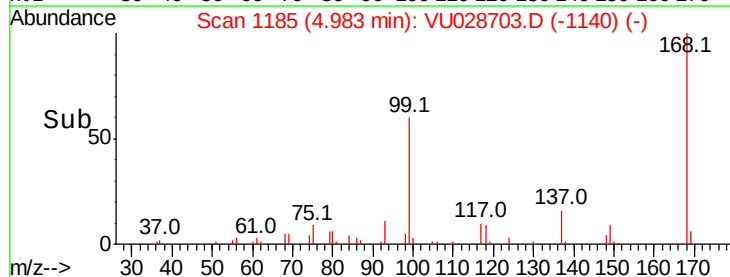
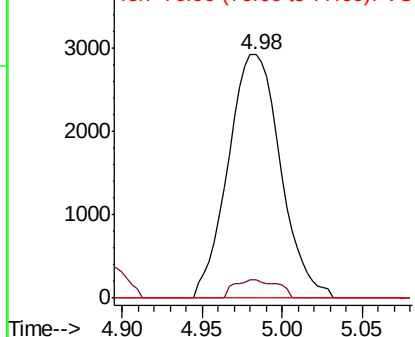


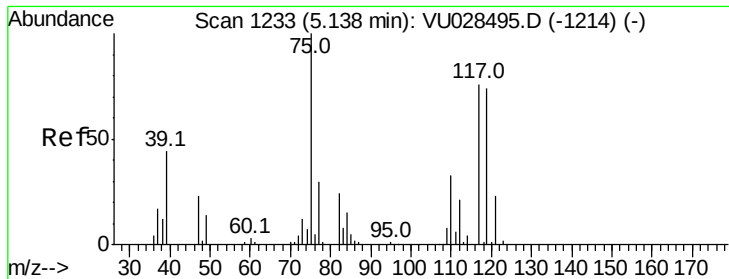
#36
1,1-Dichloropropene
Concen: 4.371 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028703.D
Acq: 14 Dec 2018 23:17

Tgt Ion: 75 Resp: 6553
Ion Ratio Lower Upper
75 100
110 6.2 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: 6.466 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028703.D

Acq: 14 Dec 2018 23:17

Instrument :
MSVOA_U
ClientSampled :

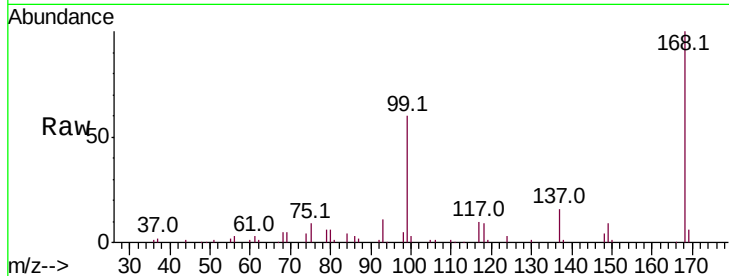
Tot Ion:117 Resp: 7813

Ion Ratio Lower Upper

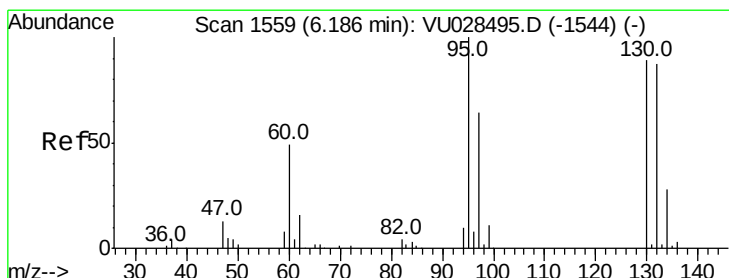
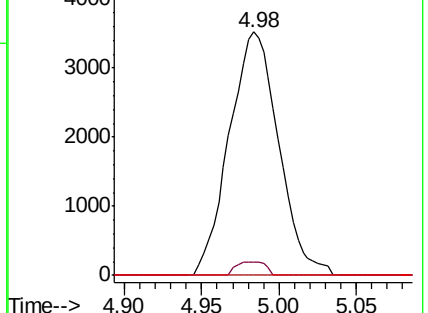
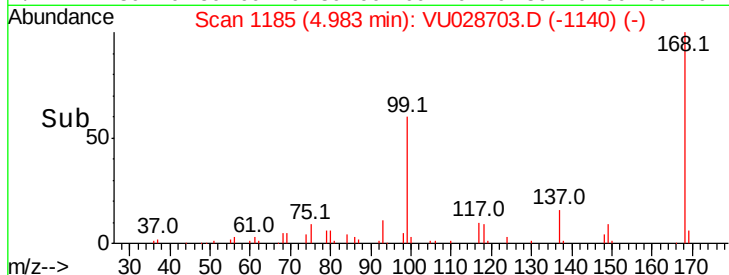
117 100

119 5.6 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



#44

Trichloroethene

Concen: 12.075 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028703.D

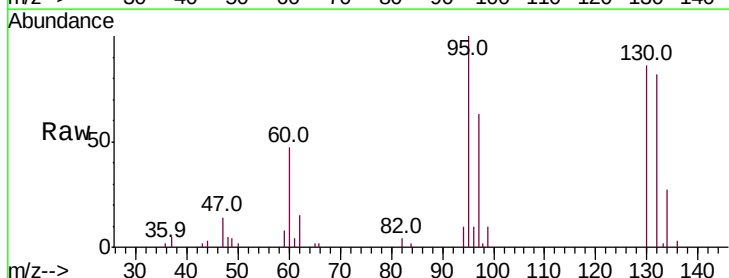
Acq: 14 Dec 2018 23:17

Tgt Ion:130 Resp: 11855

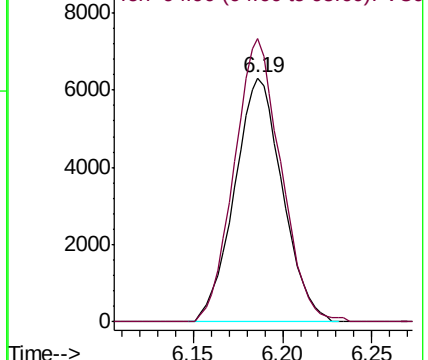
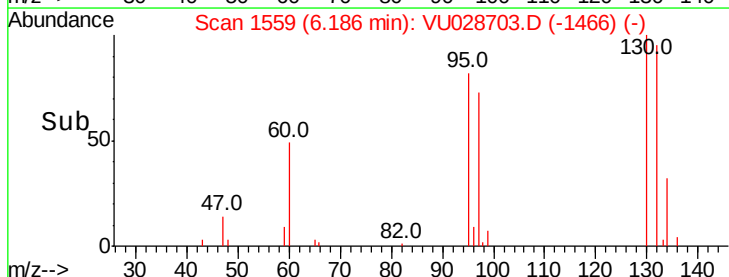
Ion Ratio Lower Upper

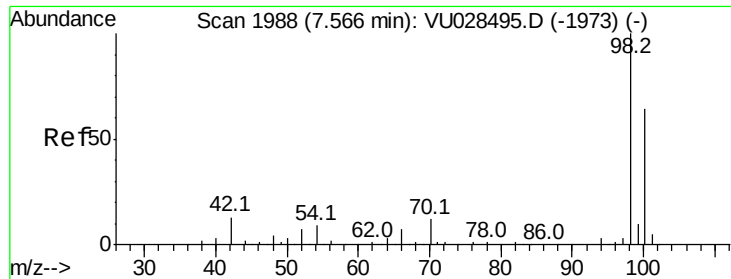
130 100

95 116.2 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 52.157 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028703.D

Acq: 14 Dec 2018 23:17

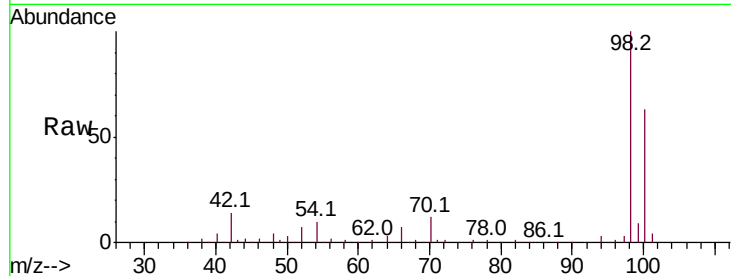
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 98 Resp: 177884

Ion Ratio Lower Upper

98 100

100 63.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

7.57

120000

100000

80000

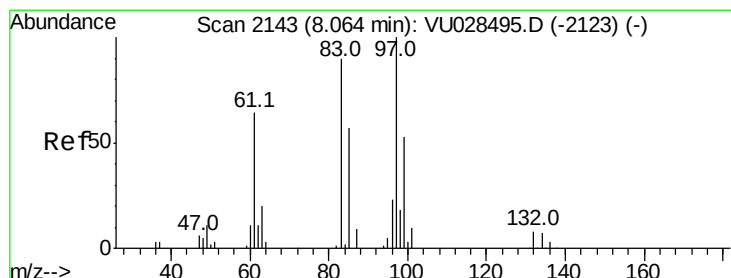
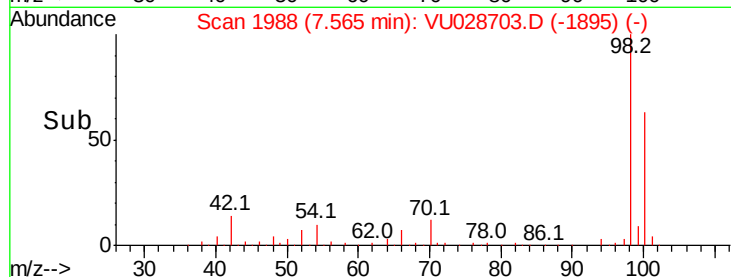
60000

40000

20000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.382 ug/l

RT: 8.22 min Scan# 2192

Delta R.T. 0.16 min

Lab File: VU028703.D

Acq: 14 Dec 2018 23:17

Tgt Ion: 97 Resp: 392

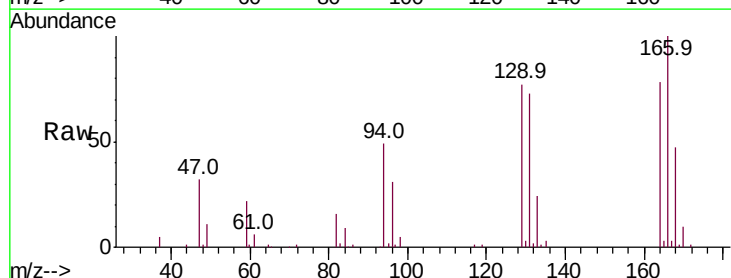
Ion Ratio Lower Upper

97 100

83 261.5 72.4 108.6#

85 47.5 46.0 69.0

99 0.0 47.4 71.2#



Abundance Ion 96.90 (96.60 to 97.60): VU028495.D (-2123) (-)

Ion 82.90 (82.60 to 83.60): VU028495.D (-2123) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-2123) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-2123) (-)

1200

1000

800

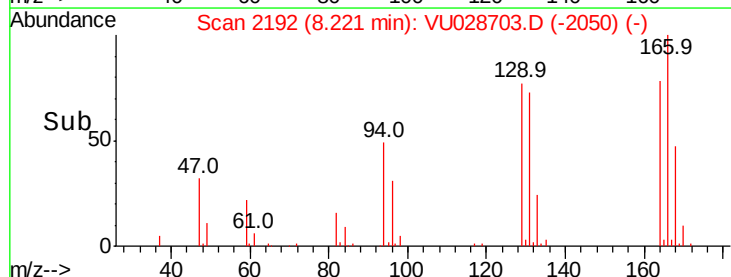
600

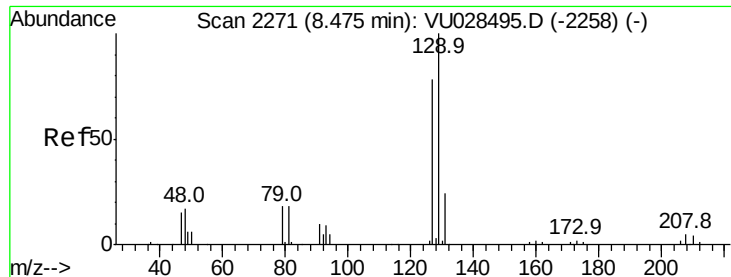
400

200

0

Time-->





#60

Dibromochloromethane

Concen: 52.031 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028703.D

Acq: 14 Dec 2018 23:17

Instrument :

MSVOA_U

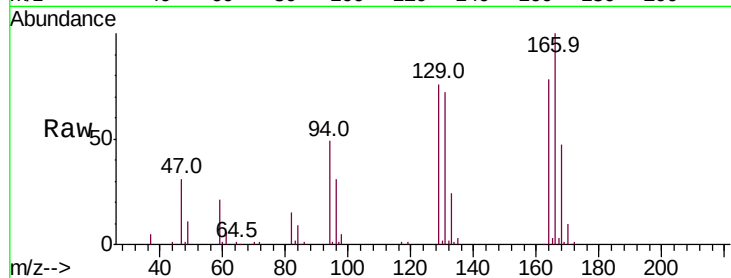
ClientSampled :

Tot Ion:129 Resp: 52327

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.22

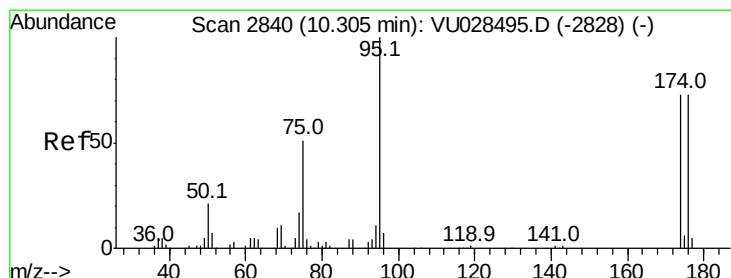
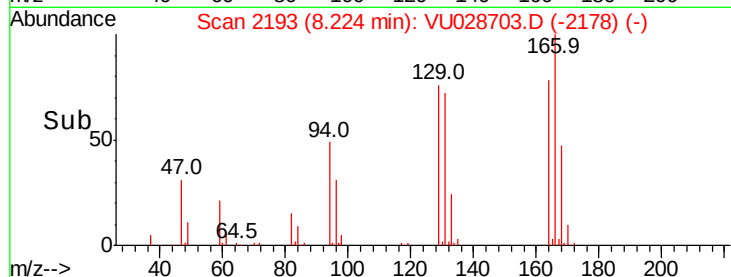
30000

20000

10000

0

Time--> 8.15 8.20 8.25 8.30



#62

4-Bromofluorobenzene

Concen: 45.464 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028703.D

Acq: 14 Dec 2018 23:17

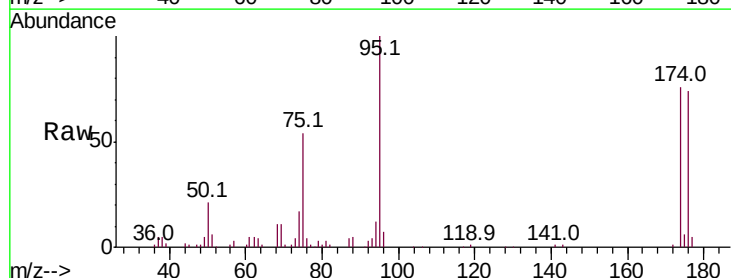
Tgt Ion: 95 Resp: 57955

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.4

176 72.3 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

50000

40000

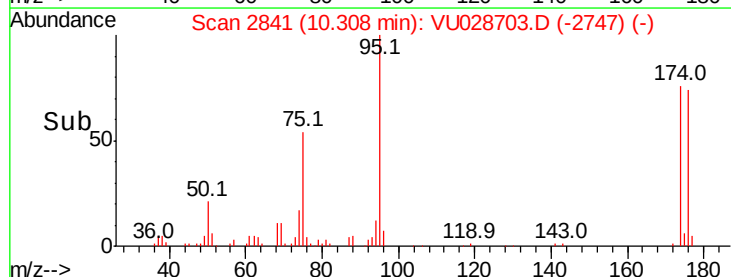
30000

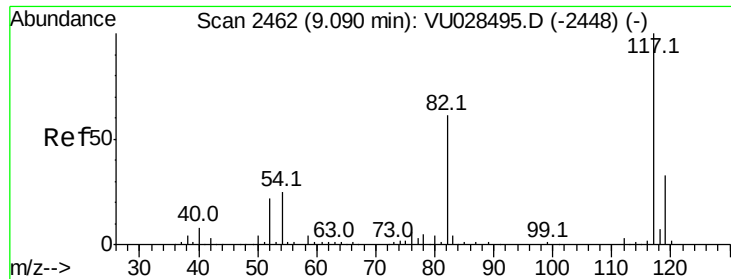
20000

10000

0

Time--> 10.30 10.40

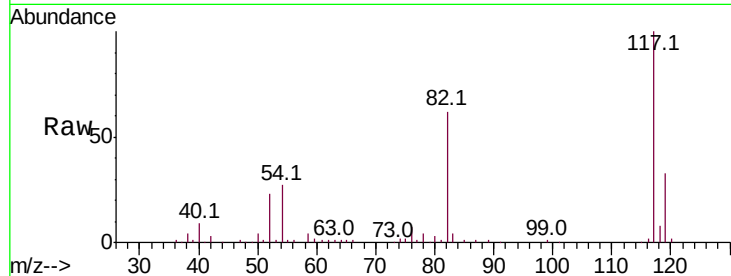




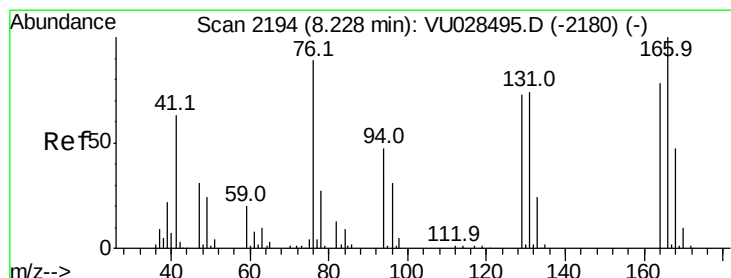
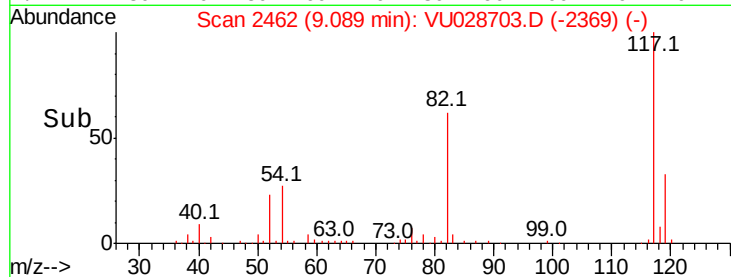
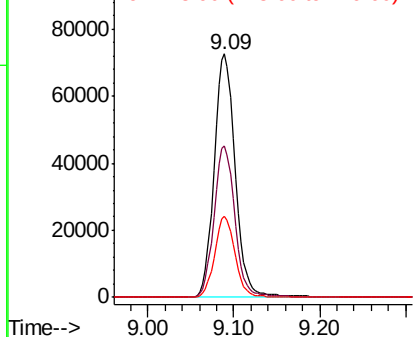
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028703.D
Acq: 14 Dec 2018 23:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 124516
Ion Ratio Lower Upper
117 100
82 62.3 48.9 73.3
119 33.4 26.2 39.4

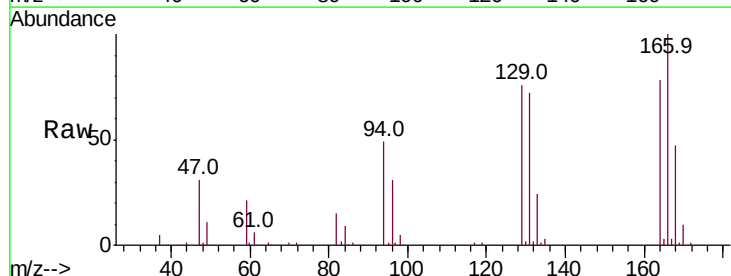


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

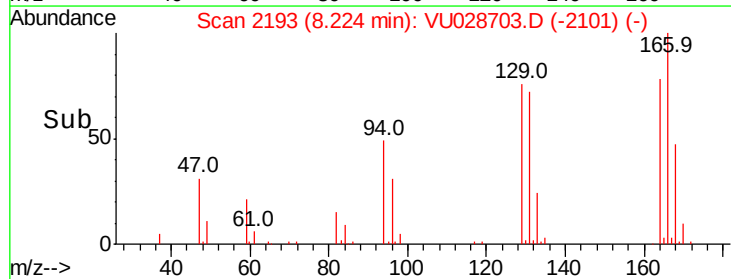
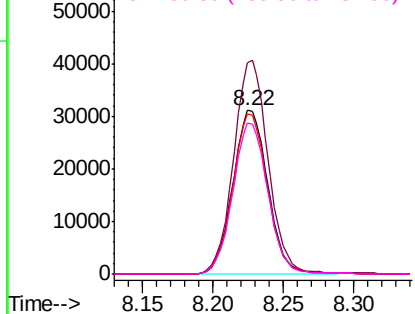


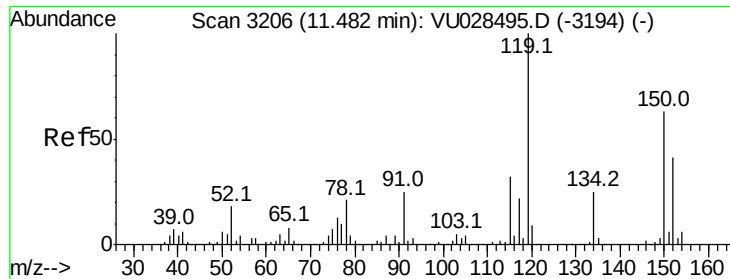
#64
Tetrachloroethene
Concen: 65.240 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028703.D
Acq: 14 Dec 2018 23:17

Tgt Ion:164 Resp: 54185
Ion Ratio Lower Upper
164 100
166 129.0 101.9 152.9
129 98.0 74.9 112.3
131 92.8 75.4 113.0



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



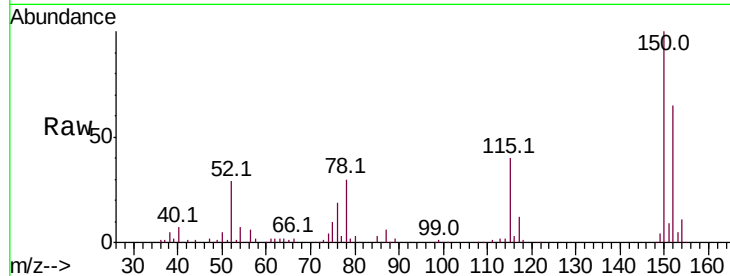


#72

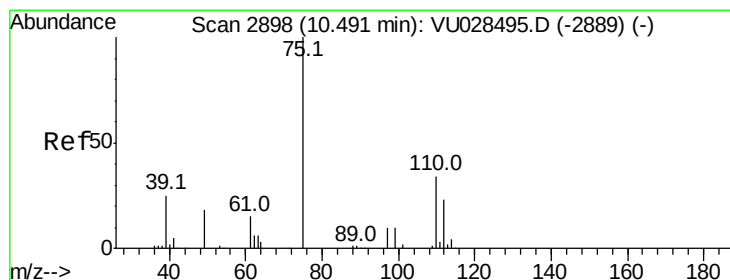
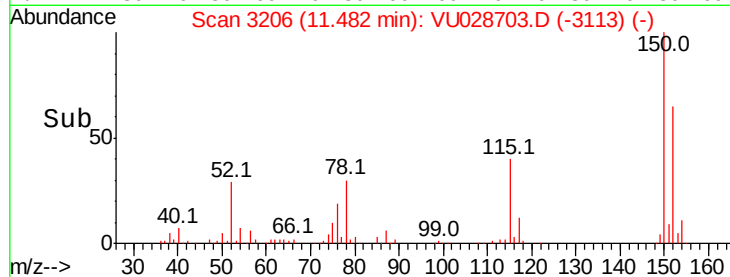
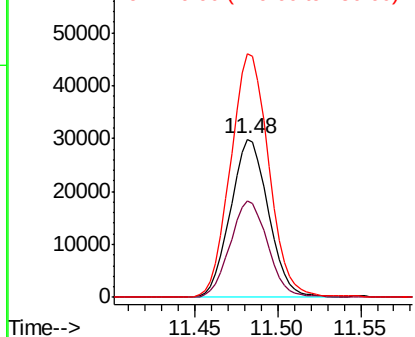
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028703.D
Acq: 14 Dec 2018 23:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:152 Resp: 47676
Ion Ratio Lower Upper
152 100
115 60.5 42.7 128.1
150 155.5 0.0 346.0



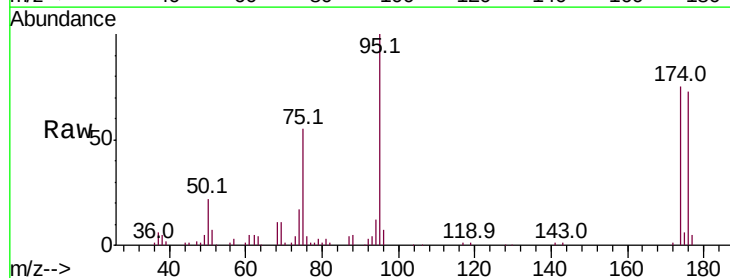
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



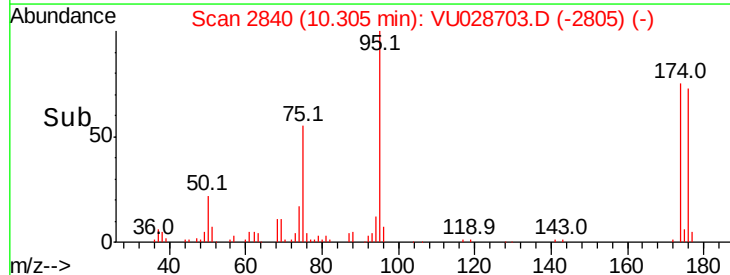
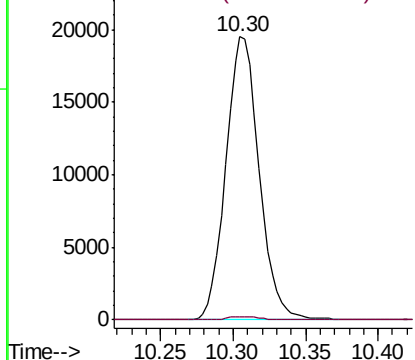
#76

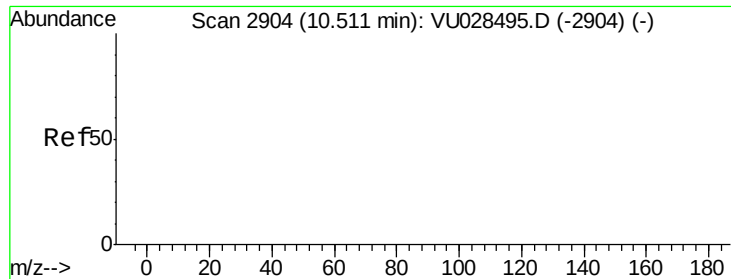
1,2,3-Trichloropropane
Concen: 25.498 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028703.D
Acq: 14 Dec 2018 23:17

Tgt Ion: 75 Resp: 31042
Ion Ratio Lower Upper
75 100
77 1.1 20.8 62.4#



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: 62.559 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028703.D

Acq: 14 Dec 2018 23:17

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 31042

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

