

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121518\
 Data File : VU028683.D
 Acq On : 14 Dec 2018 15:14
 Operator : MD/SY
 Sample : J6393-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:21:28 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

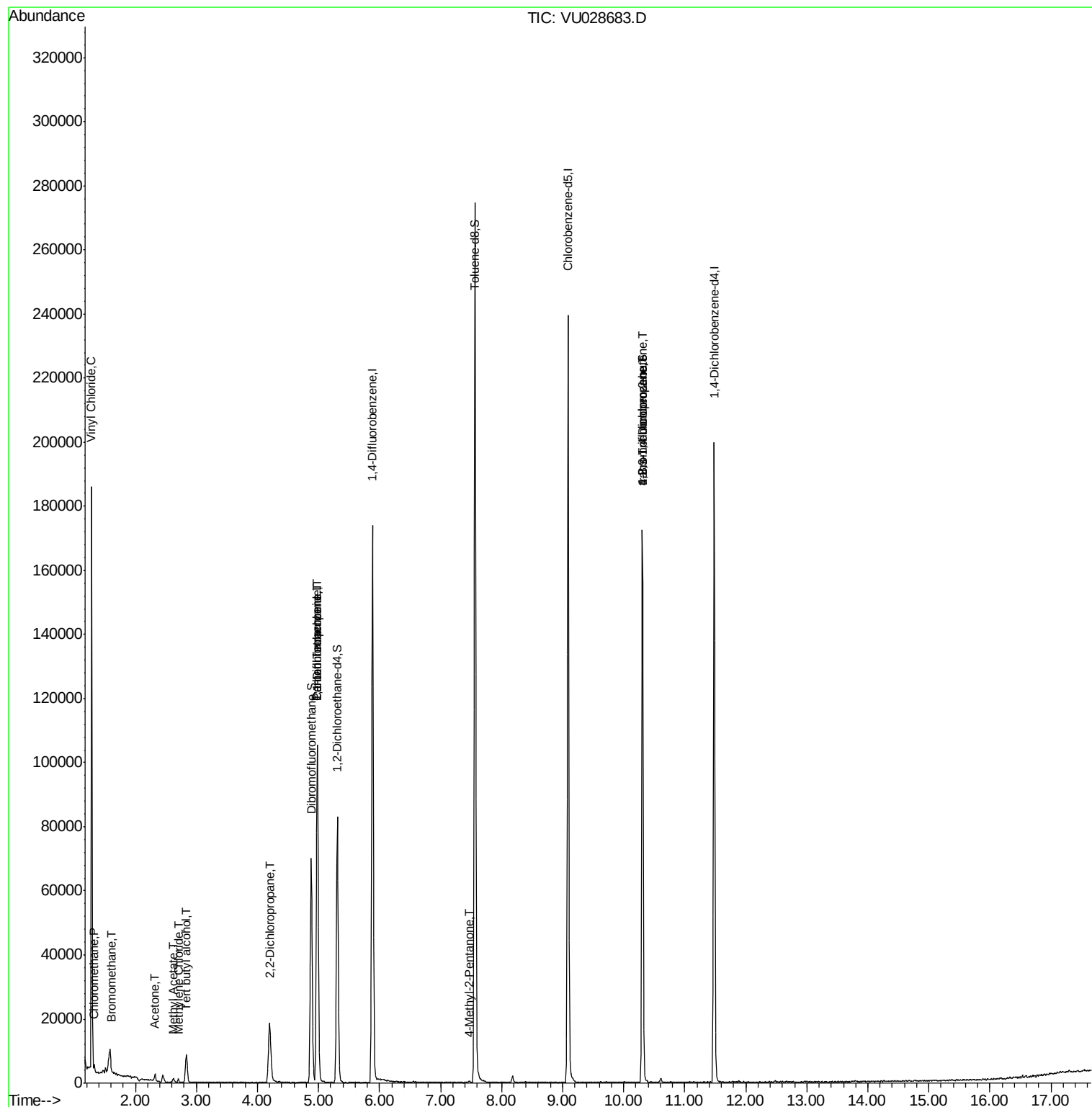
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	78502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	138630	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	126318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	49583	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	64214	53.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.20%	
35) Dibromofluoromethane	4.88	113	47827	54.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.64%	
50) Toluene-d8	7.57	98	179879	52.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	10.31	95	57354	44.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.92%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1727	0.893	ug/l	92
4) Vinyl Chloride	1.28	62	1422	1.019	ug/l #	43
5) Bromomethane	1.61	94	168	0.299	ug/l #	4
11) Tert butyl alcohol	2.83	59	6071	22.746	ug/l #	73
16) Acetone	2.32	43	2373	3.036	ug/l	95
18) Methyl Acetate	2.62	43	1737	0.857	ug/l #	90
20) Methylene Chloride	2.70	84	398	0.345	ug/l	90
26) 2,2-Dichloropropane	4.20	77	1086	0.651	ug/l #	54
31) Cyclohexane	4.98	56	1854	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7026	4.631	ug/l #	48
38) Carbon Tetrachloride	4.98	117	7609	6.223	ug/l #	15
51) 4-Methyl-2-Pentanone	7.47	43	451	0.231	ug/l #	37
76) 1,2,3-Trichloropropane	10.30	75	30432	24.036	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	30432	59.001	ug/l #	100

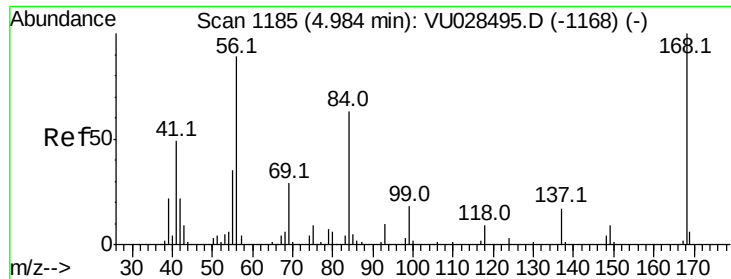
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121518\
Data File : VU028683.D
Acq On : 14 Dec 2018 15:14
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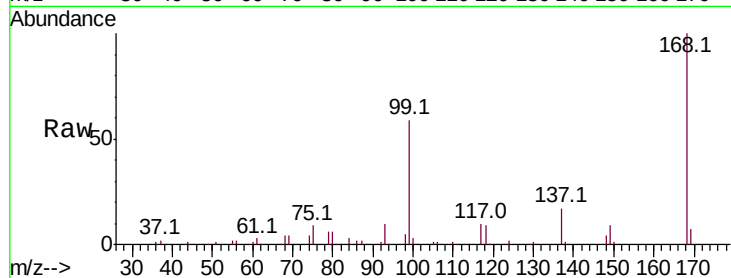




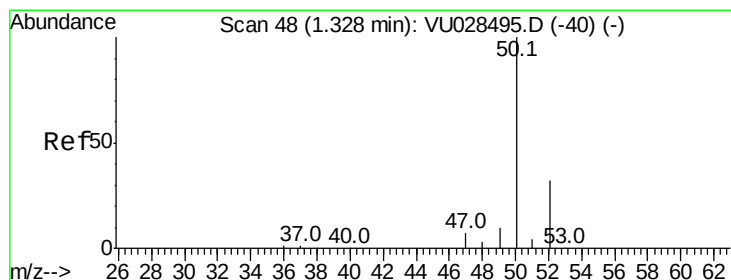
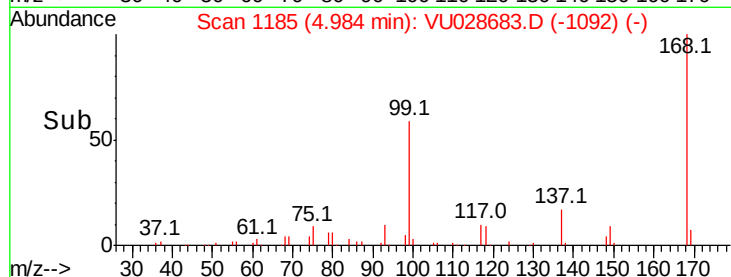
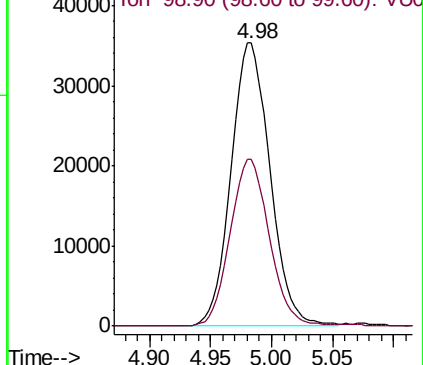
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.00 min
Lab File: VU028683.D
Acq: 14 Dec 2018 15:14

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 78502
Ion Ratio Lower Upper
168 100
99 58.8 46.6 69.8

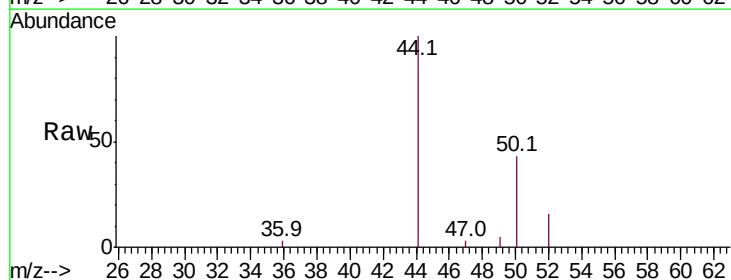


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)
Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

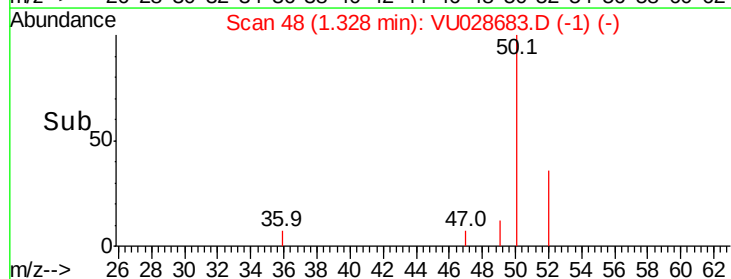
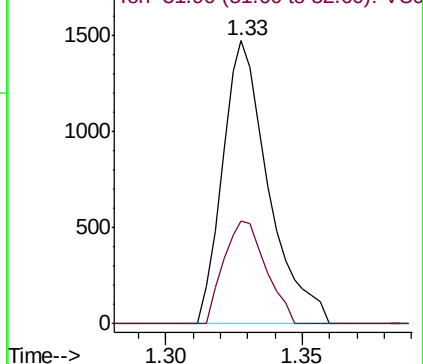


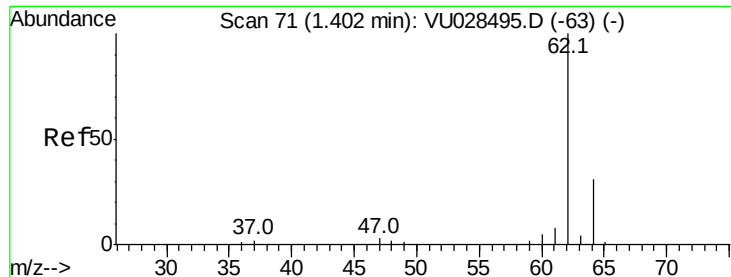
#3
Chloromethane
Concen: 0.893 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028683.D
Acq: 14 Dec 2018 15:14

Tgt Ion: 50 Resp: 1727
Ion Ratio Lower Upper
50 100
52 36.4 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) (-)





#4

Vinyl Chloride

Concen: 1.019 ug/l

RT: 1.28 min Scan# 34

Delta R.T. -0.12 min

Lab File: VU028683.D

Acq: 14 Dec 2018 15:14

Instrument :

MSVOA_U

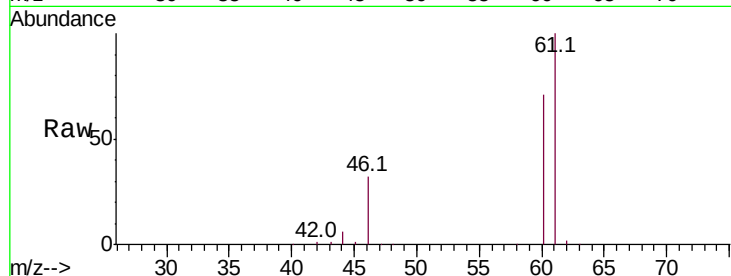
ClientSampleId :

Tot Ion: 62 Resp: 1422

Ion Ratio Lower Upper

62 100

64 0.0 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.28

1500

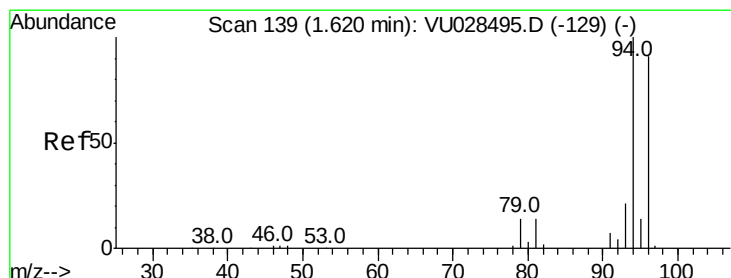
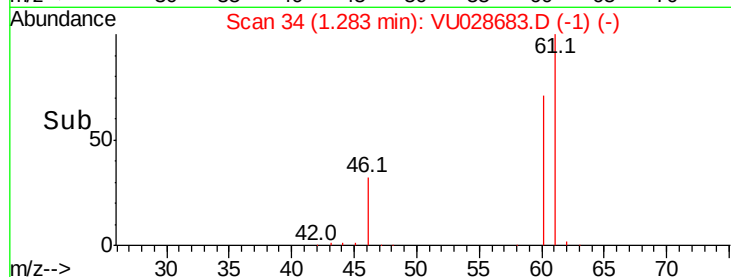
1000

500

0

Time-->

1.26 1.28 1.30



#5

Bromomethane

Concen: 0.299 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.01 min

Lab File: VU028683.D

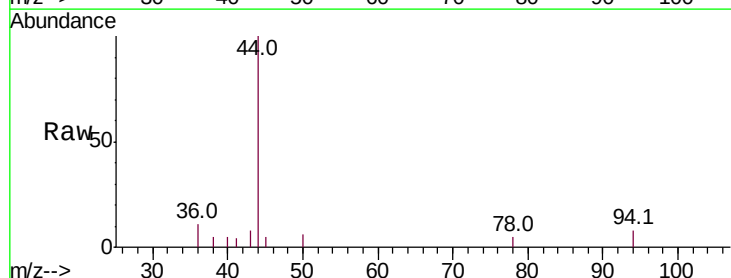
Acq: 14 Dec 2018 15:14

Tgt Ion: 94 Resp: 168

Ion Ratio Lower Upper

94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

200

150

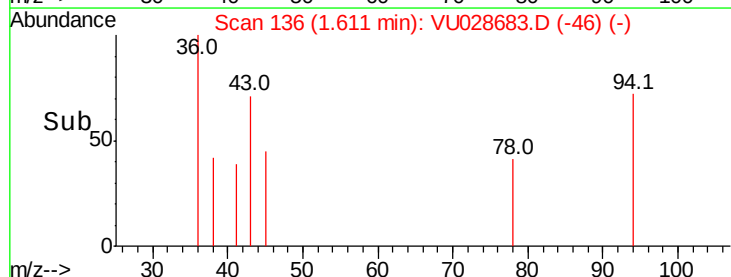
100

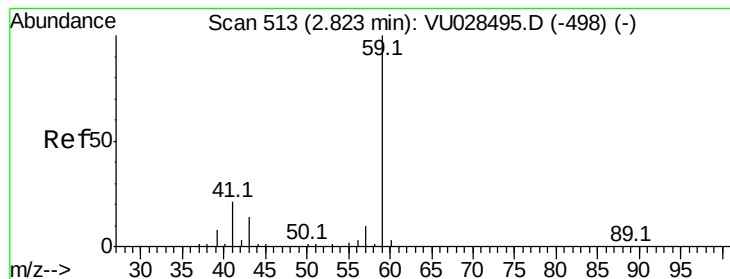
50

0

Time-->

1.60 1.62



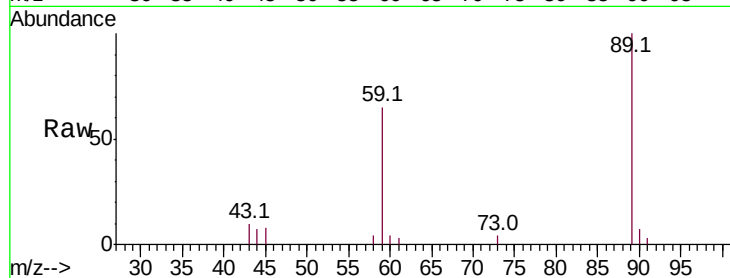


#11

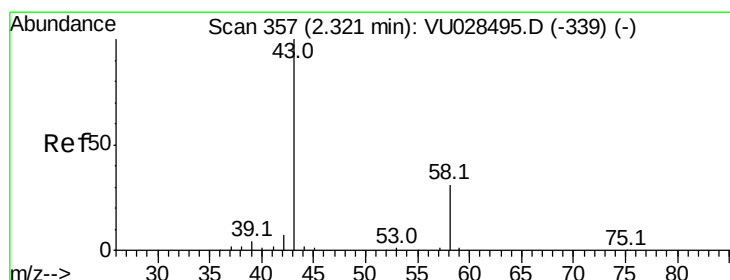
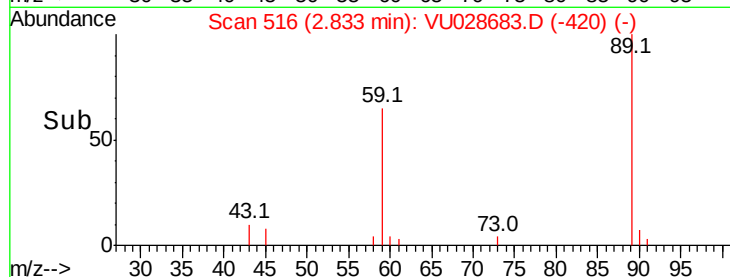
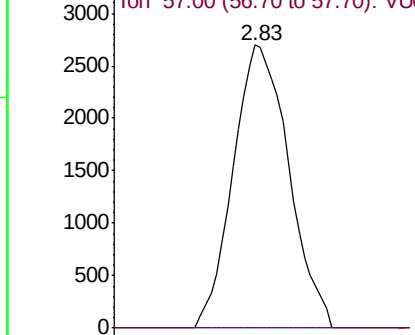
Tert butyl alcohol
 Concen: 22.746 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028683.D
 Acq: 14 Dec 2018 15:14

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 59 Resp: 6071
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#



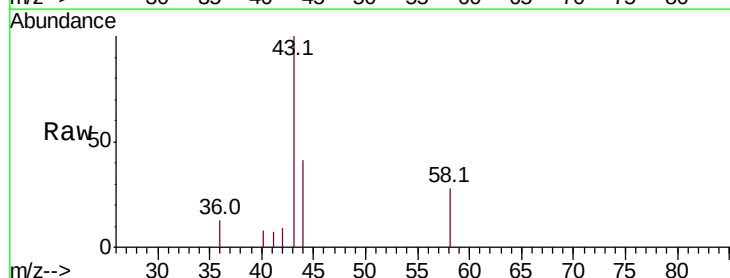
Abundance Ion 59.00 (58.70 to 59.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



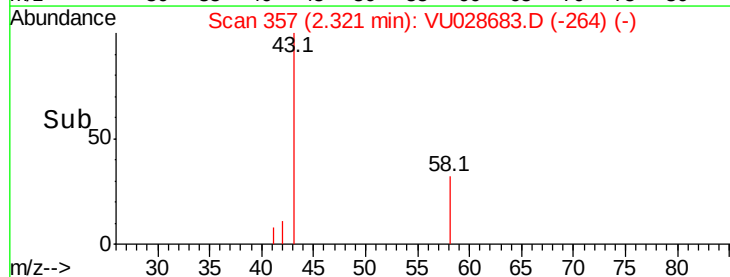
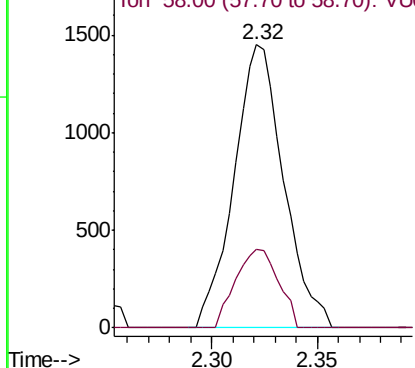
#16

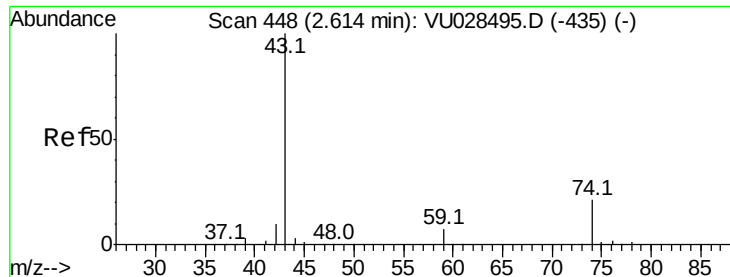
Acetone
 Concen: 3.036 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028683.D
 Acq: 14 Dec 2018 15:14

Tgt Ion: 43 Resp: 2373
 Ion Ratio Lower Upper
 43 100
 58 27.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

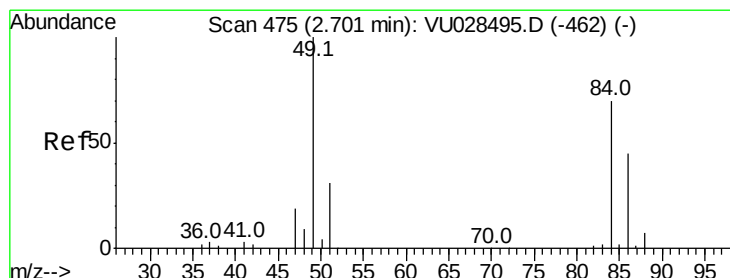
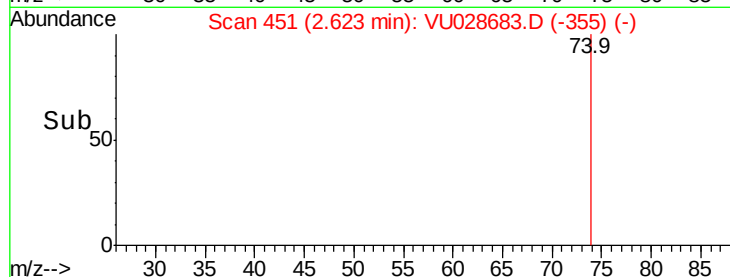
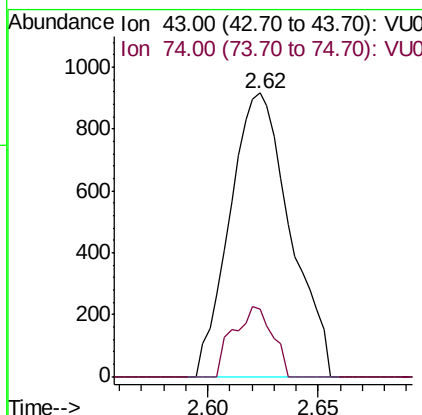
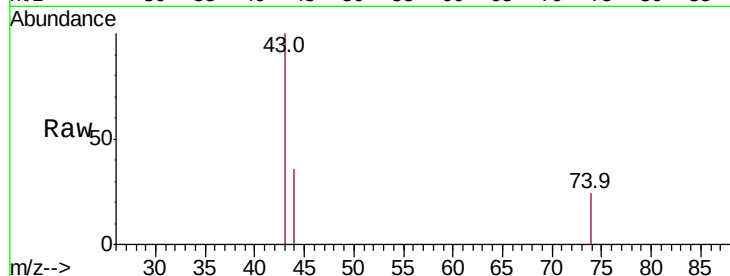




#18
Methvl Acetate
Concen: 0.857 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028683.D
Acq: 14 Dec 2018 15:14

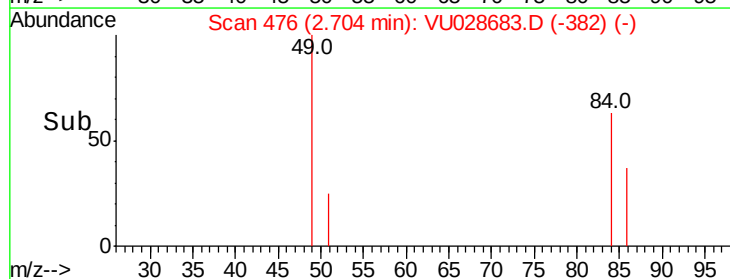
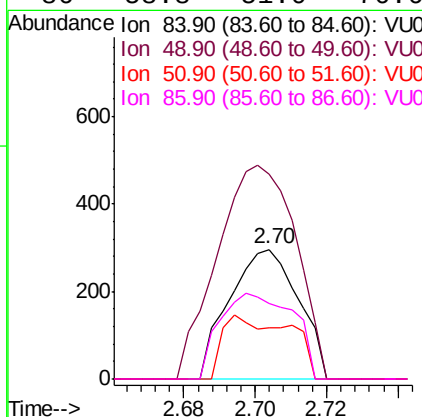
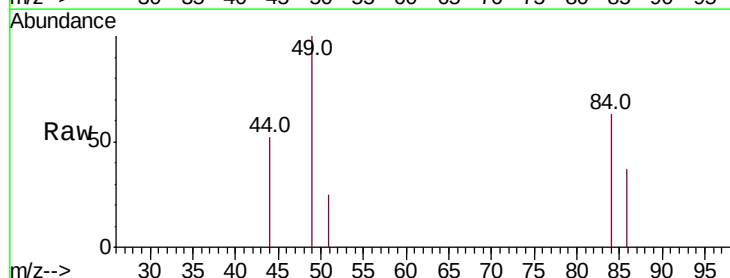
Instrument :
MSVOA_U
ClientSampleId :

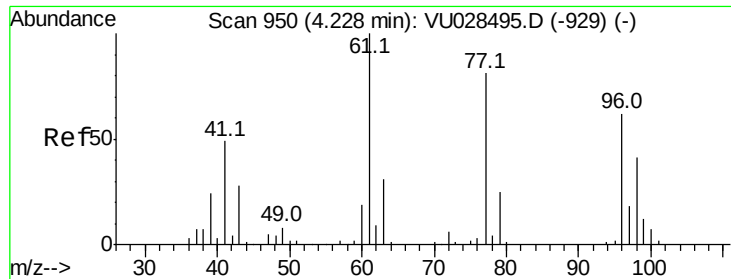
Tot Ion: 43 Resp: 1737
Ion Ratio Lower Upper
43 100
74 15.9 16.4 24.6#



#20
Methylene Chloride
Concen: 0.345 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028683.D
Acq: 14 Dec 2018 15:14

Tgt Ion: 84 Resp: 398
Ion Ratio Lower Upper
84 100
49 158.4 114.0 171.0
51 39.5 35.1 52.7
86 58.8 51.0 76.6

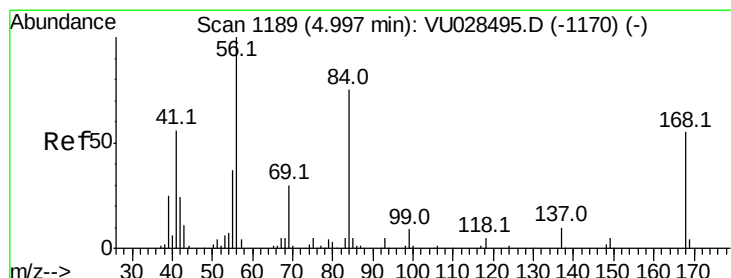
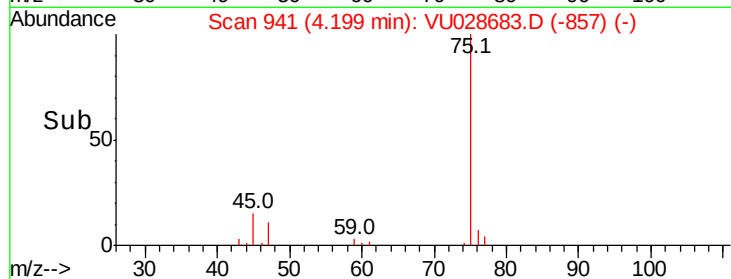
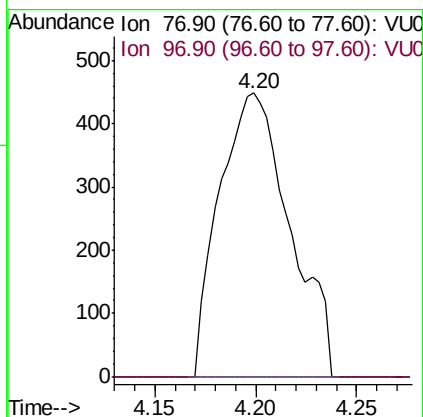
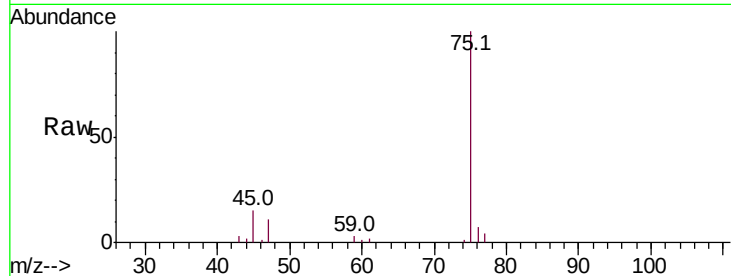




#26
 2,2-Dichloropropane
 Concen: 0.651 ug/l
 RT: 4.20 min Scan# 941
 Delta R.T. -0.03 min
 Lab File: VU028683.D
 Acq: 14 Dec 2018 15:14

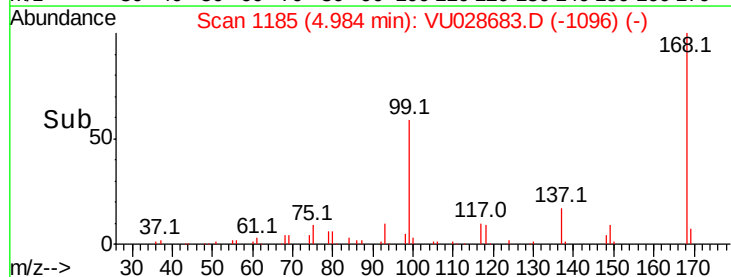
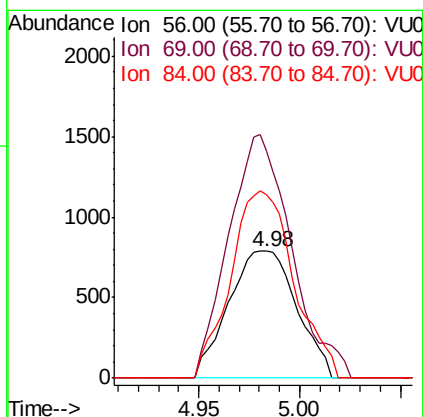
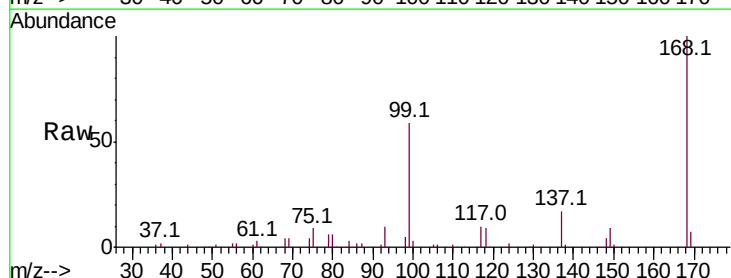
Instrument :
 MSVOA_U
 ClientSampled :

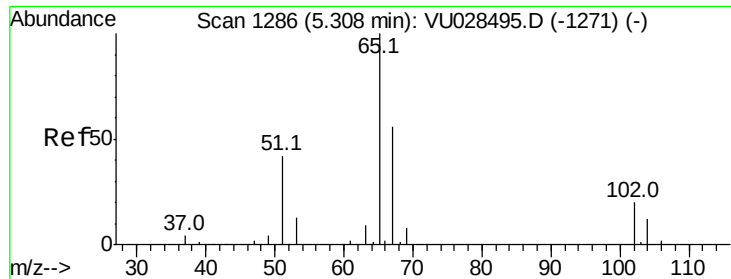
Tot Ion: 77 Resp: 1086
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.0 33.0#



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VU028683.D
 Acq: 14 Dec 2018 15:14

Tgt Ion: 56 Resp: 1854
 Ion Ratio Lower Upper
 56 100
 69 178.7 24.0 36.0#
 84 144.7 59.7 89.5#

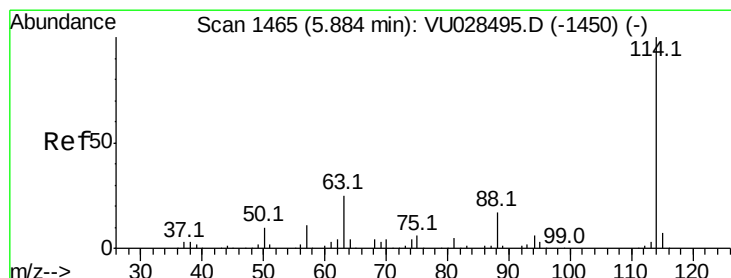
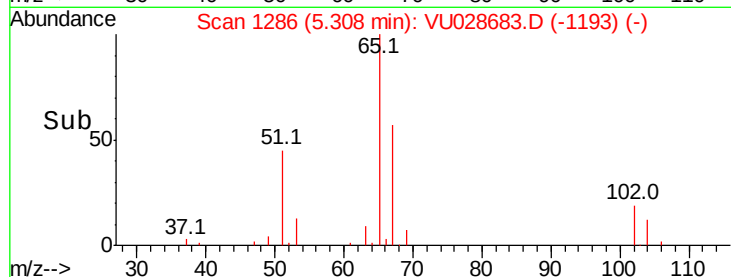
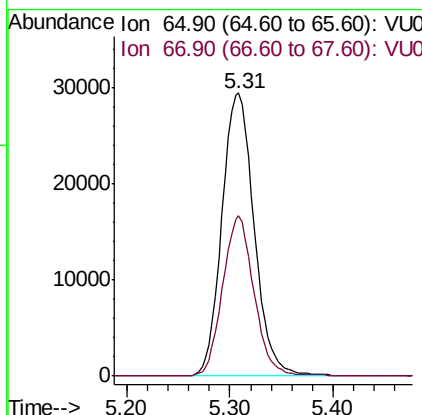
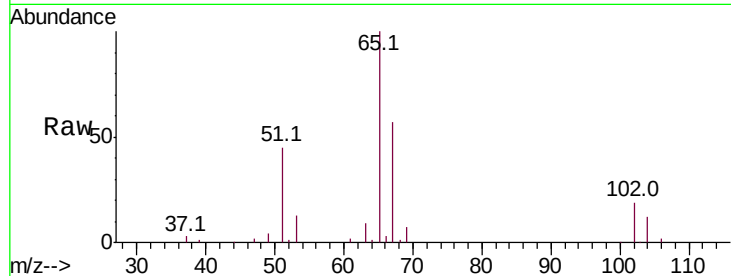




#33
 1,2-Dichloroethane-d4
 Concen: 53.601 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028683.D
 Acq: 14 Dec 2018 15:14

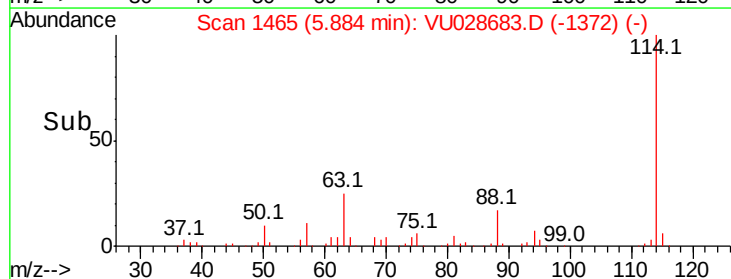
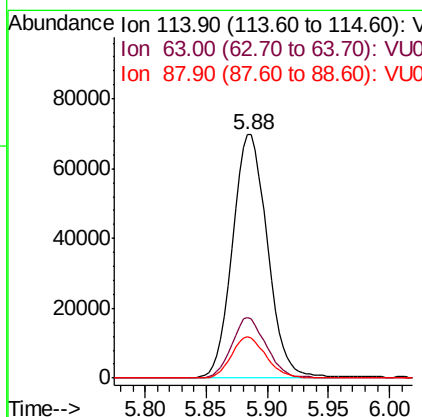
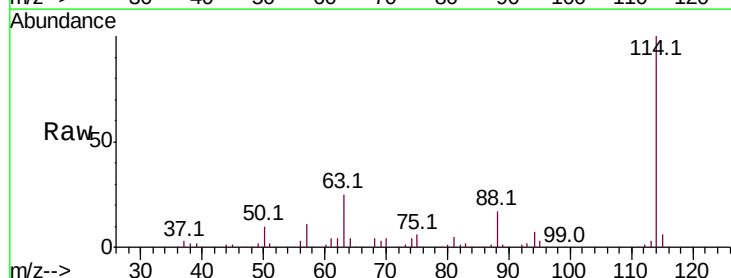
Instrument :
 MSVOA_U
 ClientSampleId :

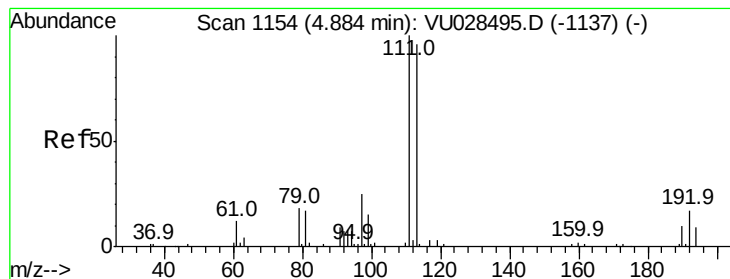
Tot Ion: 65 Resp: 64214
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028683.D
 Acq: 14 Dec 2018 15:14

Tgt Ion:114 Resp: 138630
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.822 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

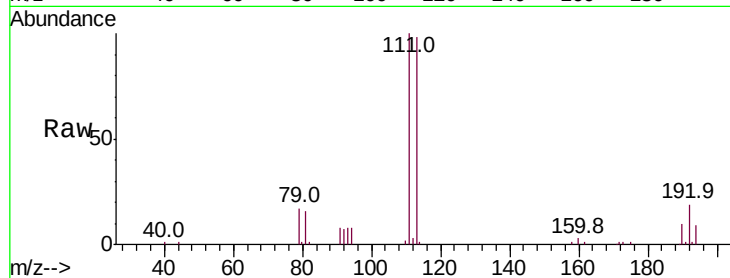
Lab File: VU028683.D

Acq: 14 Dec 2018 15:14

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:113 Resp: 47827

Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.4	125.0
192	18.8	14.8	22.2

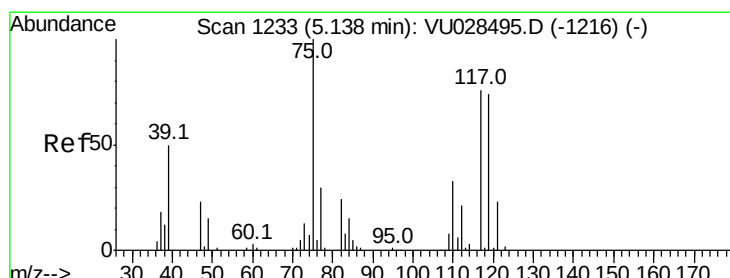
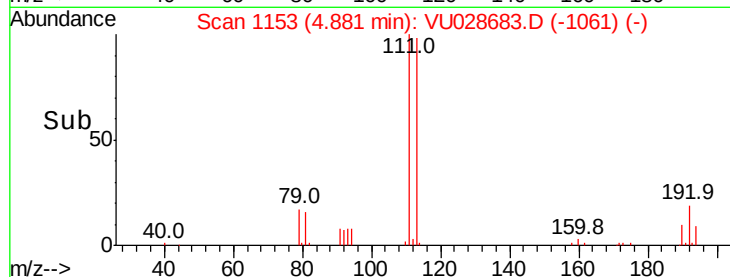
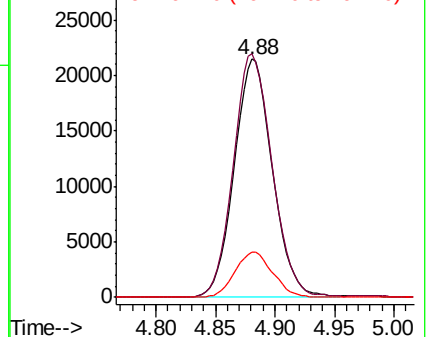


Abundance

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: 4.631 ug/l

RT: 4.98 min Scan# 1184

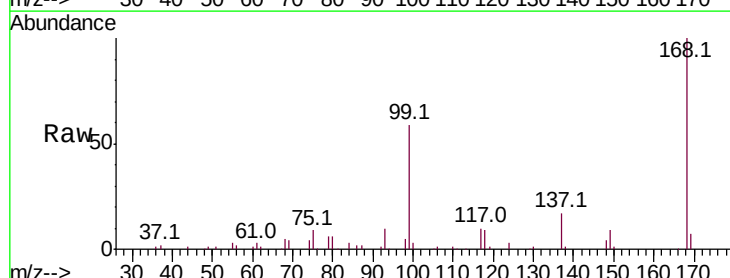
Delta R.T. -0.16 min

Lab File: VU028683.D

Acq: 14 Dec 2018 15:14

Tgt Ion: 75 Resp: 7026

Ion	Ratio	Lower	Upper
75	100		
110	4.7	16.1	48.2#
77	0.0	24.5	36.7#

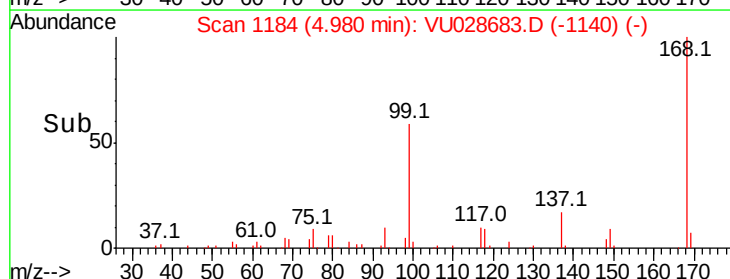
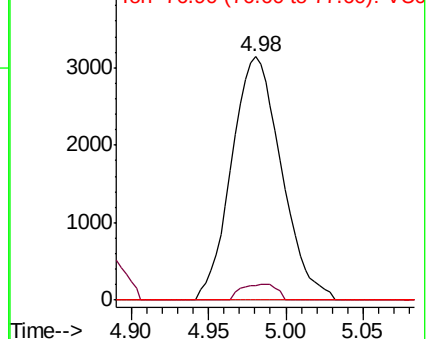


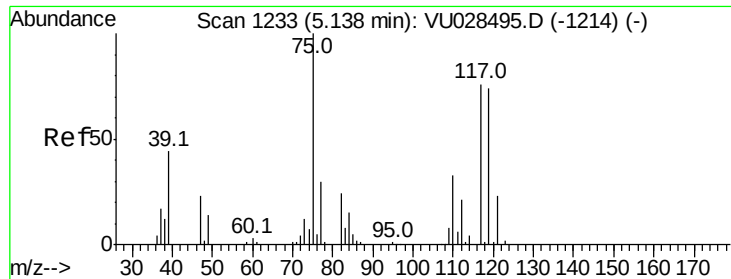
Abundance

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

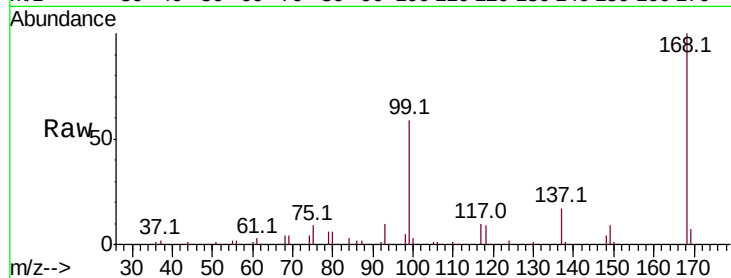




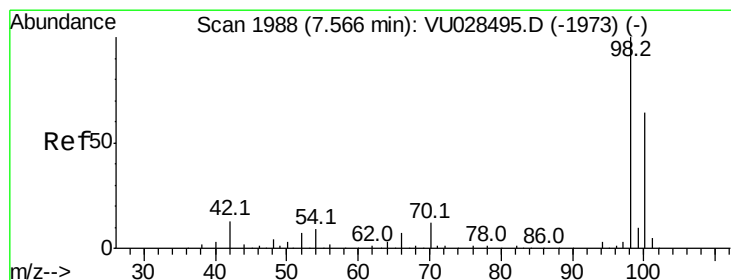
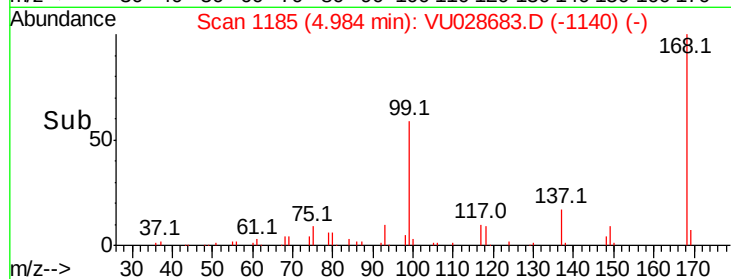
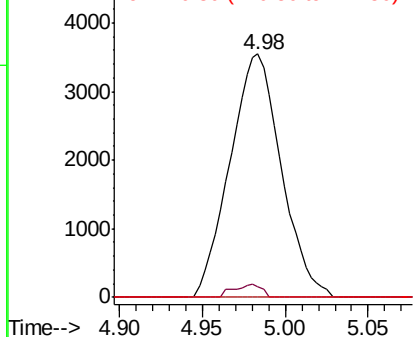
#38
Carbon Tetrachloride
Concen: 6.223 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028683.D
Acq: 14 Dec 2018 15:14

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 7609
Ion Ratio Lower Upper
117 100
119 4.6 77.6 116.4#
121 0.0 24.6 36.8#

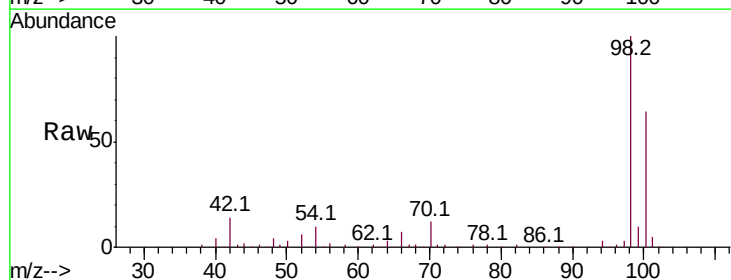


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

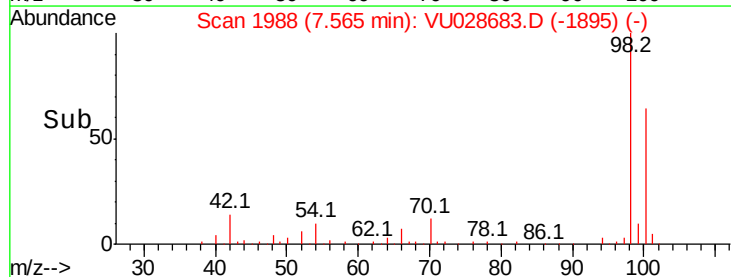
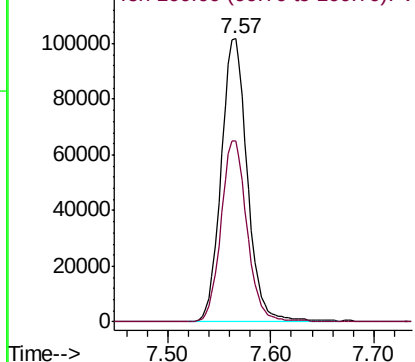


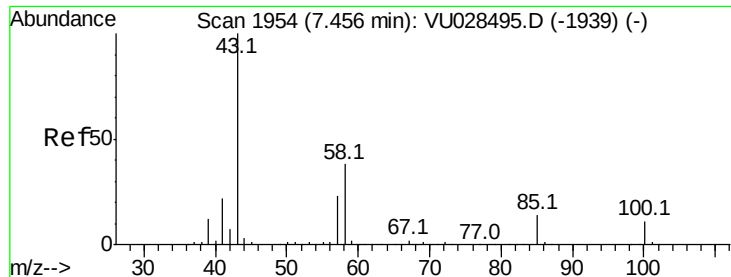
#50
Toluene-d8
Concen: 52.122 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028683.D
Acq: 14 Dec 2018 15:14

Tgt Ion: 98 Resp: 179879
Ion Ratio Lower Upper
98 100
100 63.7 51.0 76.6



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: 0.231 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VU028683.D

Acq: 14 Dec 2018 15:14

Instrument :

MSVOA_U

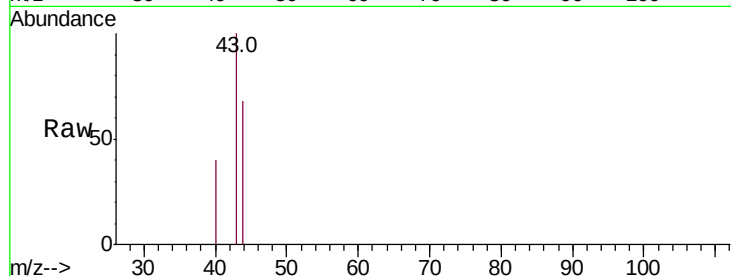
ClientSampled :

Tot Ion: 43 Resp: 451

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.47

250

200

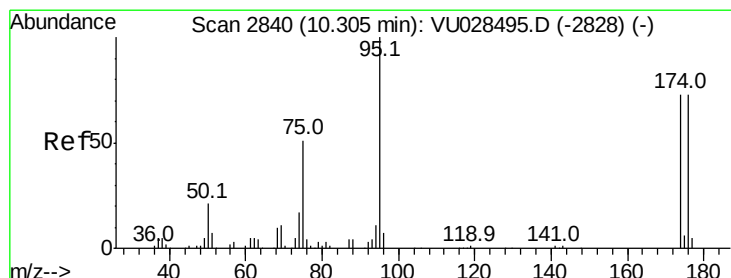
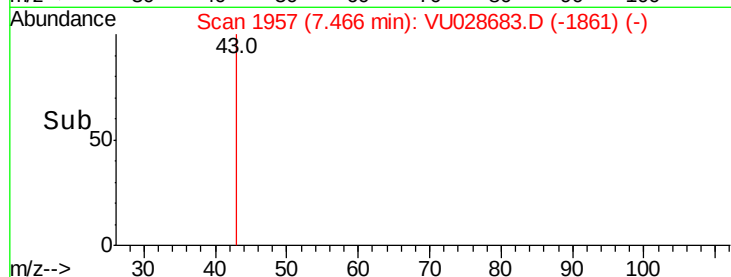
150

100

50

0

Time--> 7.42 7.44 7.46 7.48 7.50



#62

4-Bromofluorobenzene

Concen: 44.464 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028683.D

Acq: 14 Dec 2018 15:14

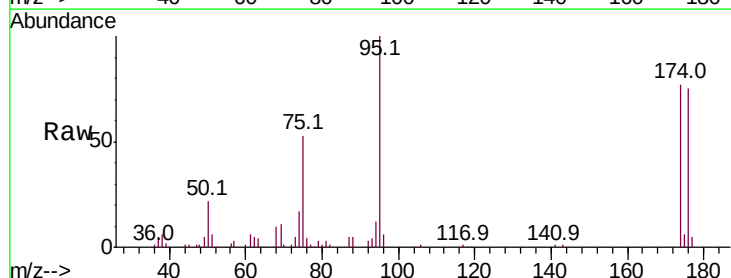
Tgt Ion: 95 Resp: 57354

Ion Ratio Lower Upper

95 100

174 77.7 0.0 150.4

176 74.1 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

10.31

40000

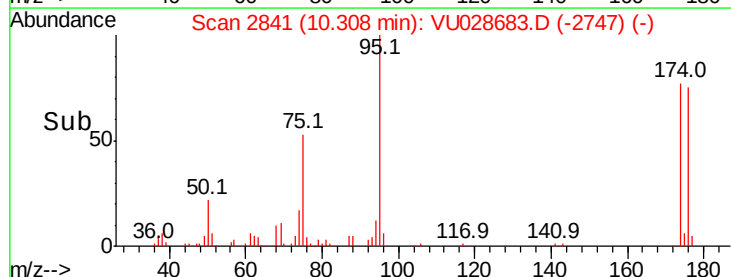
30000

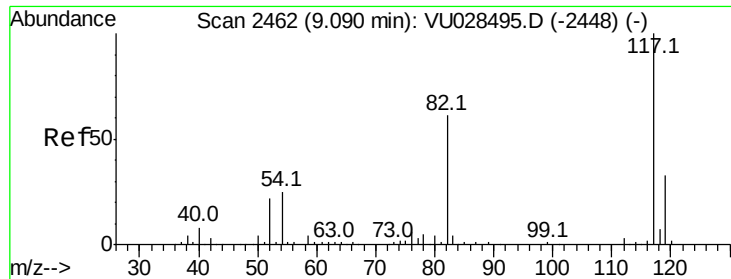
20000

10000

0

Time--> 10.30 10.40

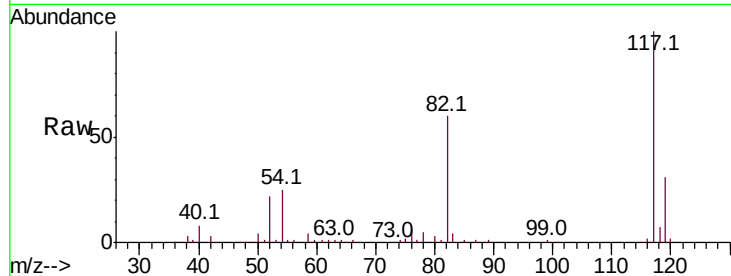




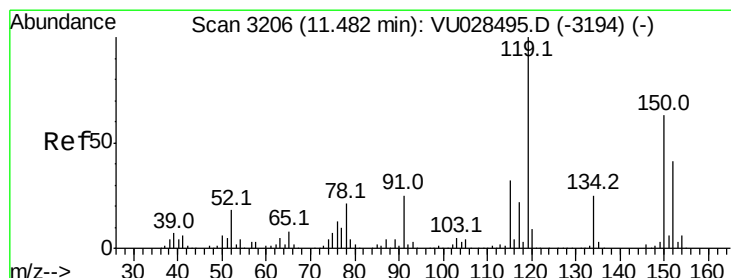
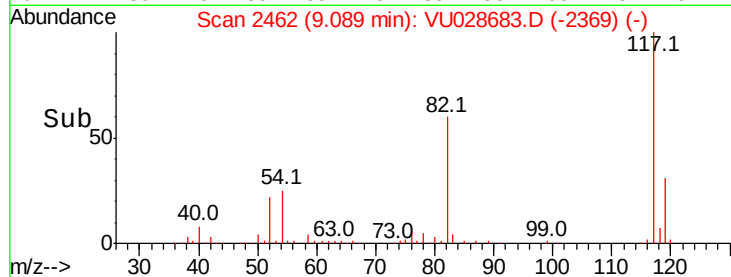
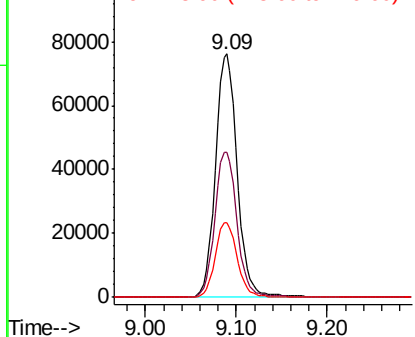
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028683.D
Acq: 14 Dec 2018 15:14

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 126318
Ion Ratio Lower Upper
117 100
82 59.7 48.9 73.3
119 30.9 26.2 39.4

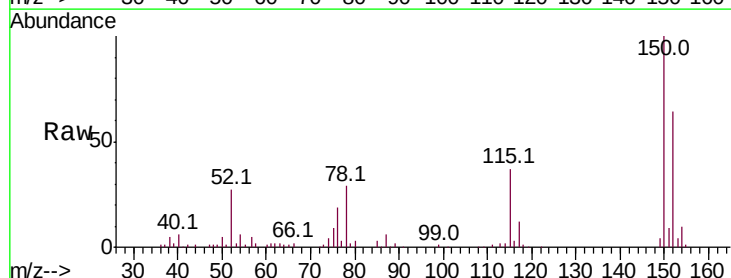


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

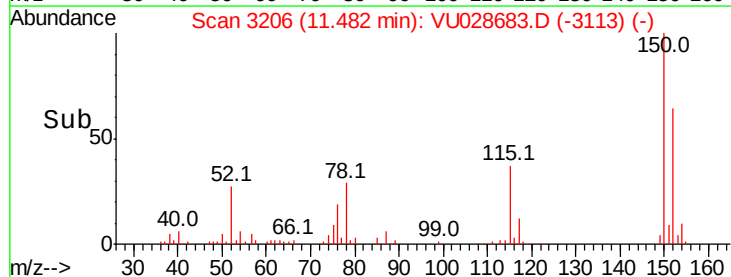
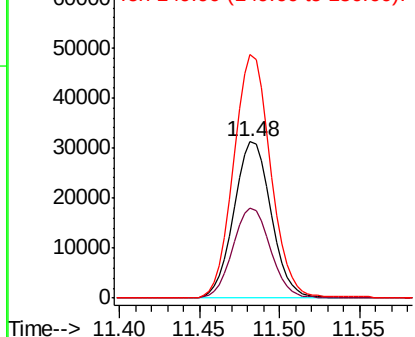


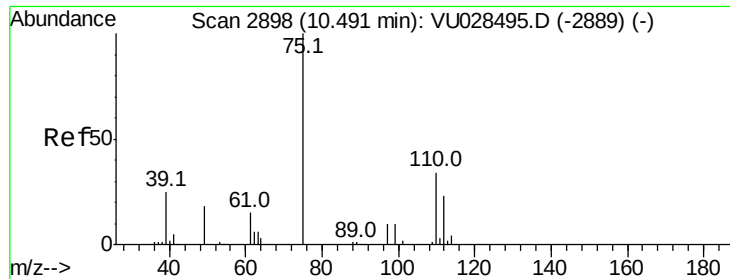
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028683.D
Acq: 14 Dec 2018 15:14

Tgt Ion:152 Resp: 49583
Ion Ratio Lower Upper
152 100
115 57.9 42.7 128.1
150 155.0 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: 24.036 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028683.D

Acq: 14 Dec 2018 15:14

Instrument :

MSVOA_U

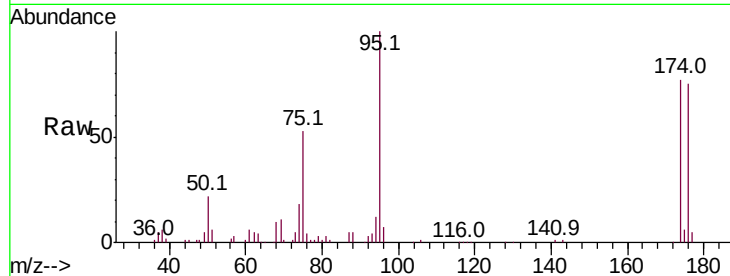
ClientSampleId :

Tot Ion: 75 Resp: 30432

Ion Ratio Lower Upper

75 100

77 1.0 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

20000

15000

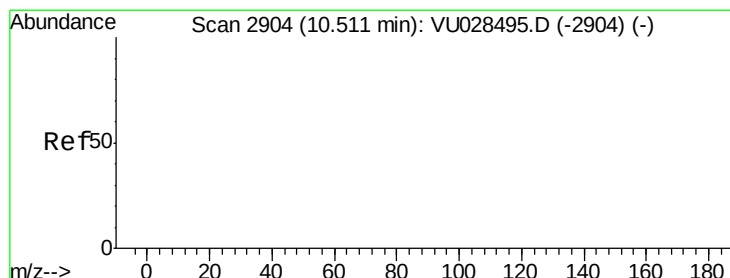
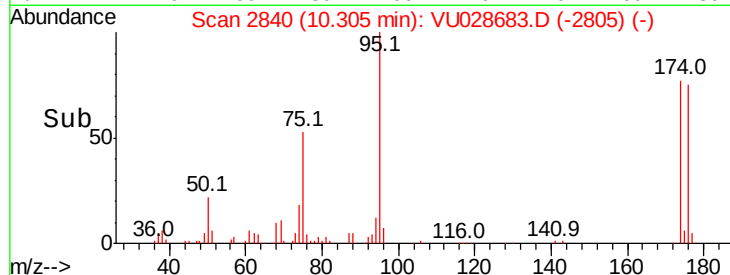
10000

5000

0

10.25 10.30 10.35 10.40

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.001 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028683.D

Acq: 14 Dec 2018 15:14

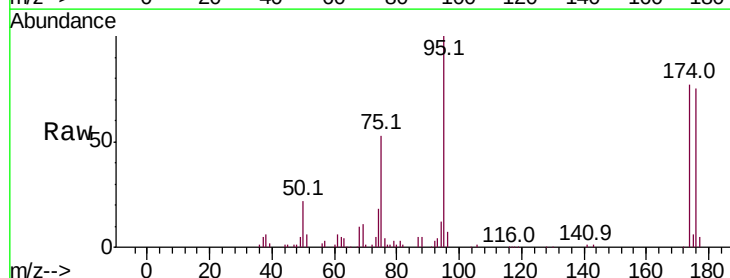
Tgt Ion: 75 Resp: 30432

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

10.25 10.30 10.35 10.40

Time-->

