

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121518\
 Data File : VU028686.D
 Acq On : 14 Dec 2018 16:27
 Operator : MD/SY
 Sample : J6393-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:22:02 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	77005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	137108	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	124546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	48046	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	64165	54.60	ug/l	0.00
Spiked Amount			Recovery	=	109.20%	
35) Dibromofluoromethane	4.88	113	46926	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	
50) Toluene-d8	7.57	98	178422	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	10.31	95	57124	44.78	ug/l	0.00
Spiked Amount			Recovery	=	89.56%	

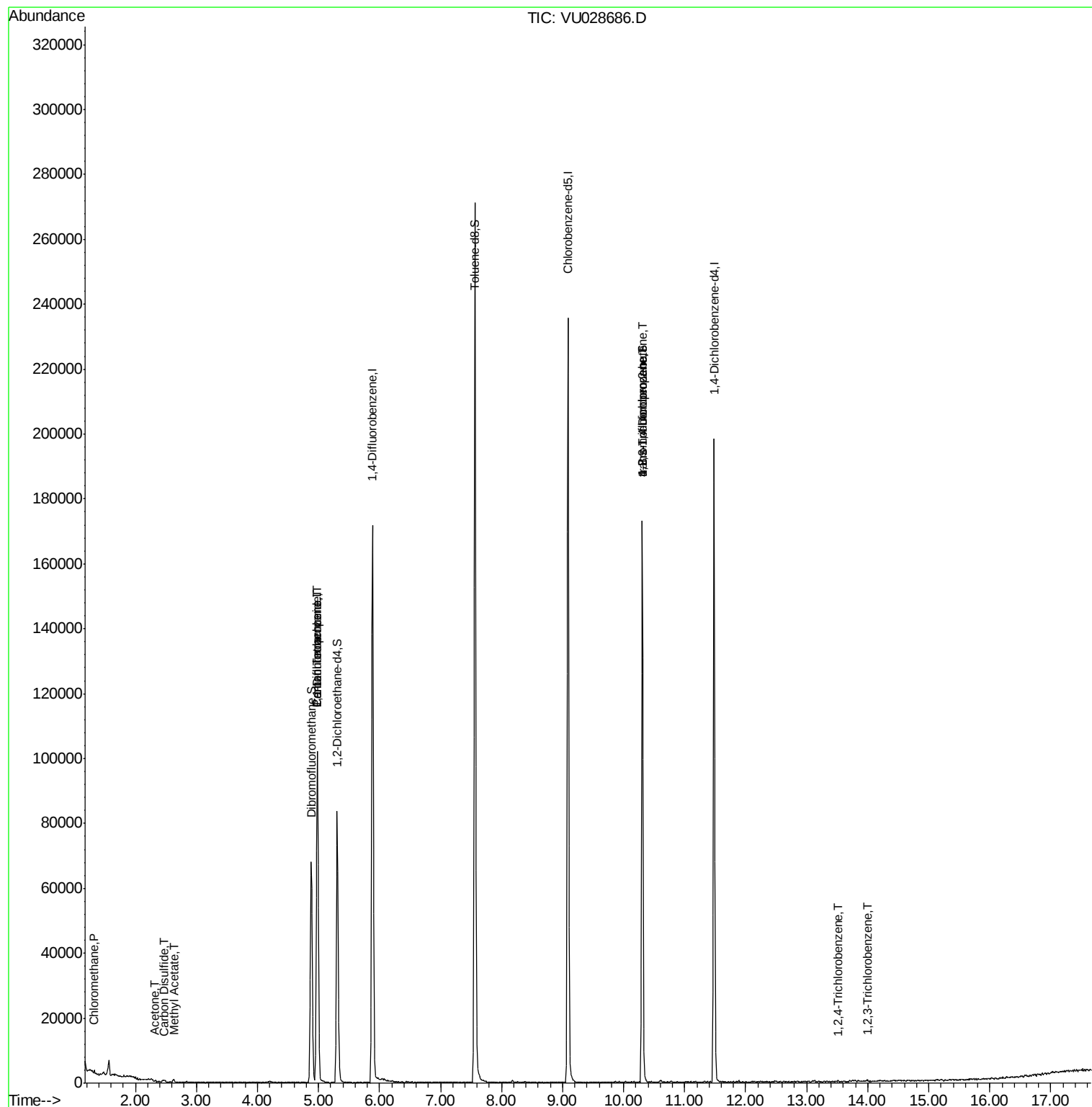
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	839	0.442	ug/l	96
16) Acetone	2.32	43	505	0.659	ug/l #	44
17) Carbon Disulfide	2.48	76	717	0.232	ug/l #	75
18) Methyl Acetate	2.62	43	1228	0.618	ug/l #	72
31) Cyclohexane	4.98	56	951	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	6727	4.484	ug/l #	49
38) Carbon Tetrachloride	4.98	117	7647	6.324	ug/l #	16
76) 1,2,3-Trichloropropane	10.30	75	29750	24.249	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	29750	59.519	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	65	0.901	ug/l #	86
96) 1,2,3-Trichlorobenzene	13.99	180	95	0.232	ug/l #	12

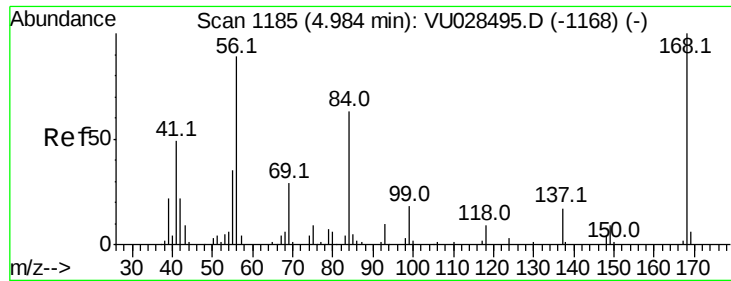
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121518\
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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: VU028686.D

Acq: 14 Dec 2018 16:27

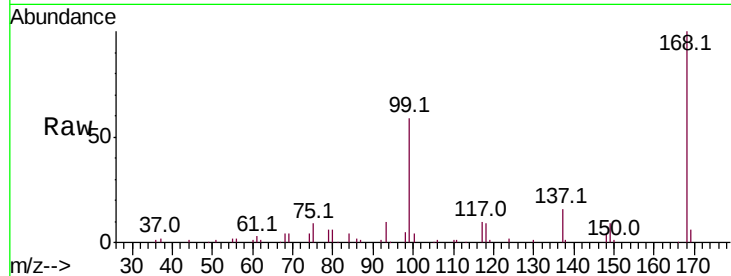
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 77005

Ion Ratio Lower Upper

168 100

99 59.0 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

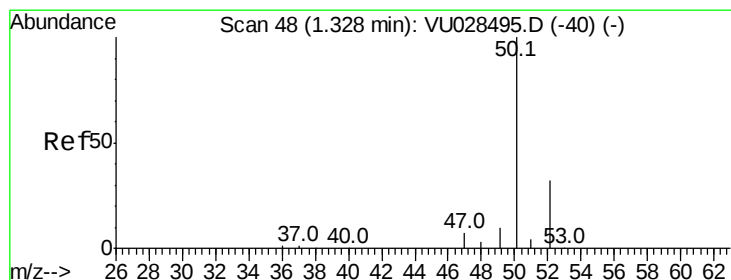
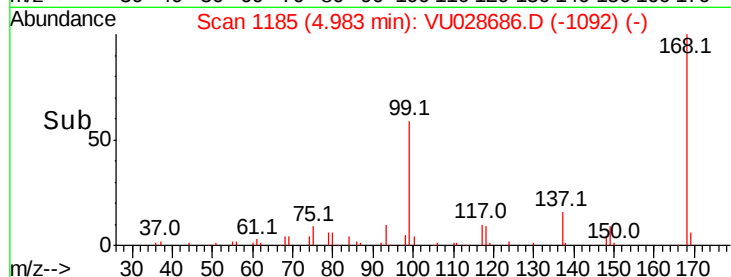
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 0.442 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028686.D

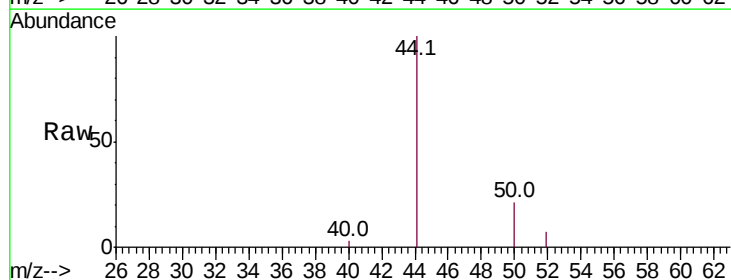
Acq: 14 Dec 2018 16:27

Tgt Ion: 50 Resp: 839

Ion Ratio Lower Upper

50 100

52 34.2 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

600

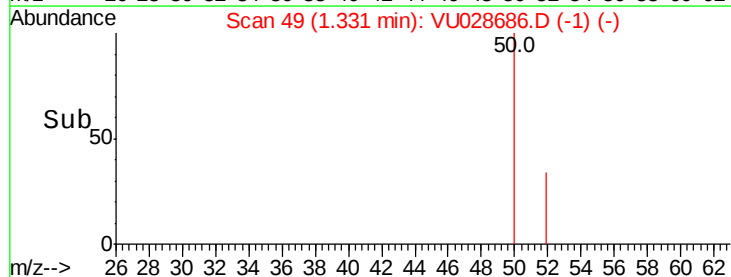
400

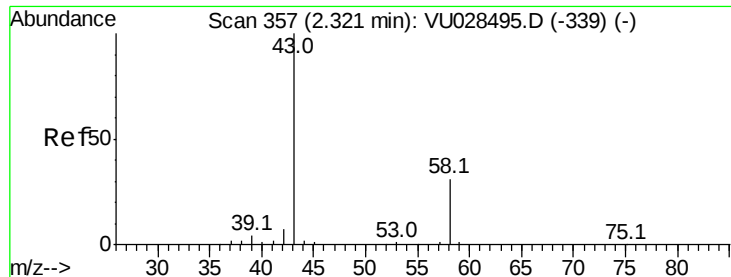
200

0

1.30 1.32 1.34 1.36

Time-->





#16

Acetone

Concen: 0.659 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028686.D

Acq: 14 Dec 2018 16:27

Instrument :

MSVOA_U

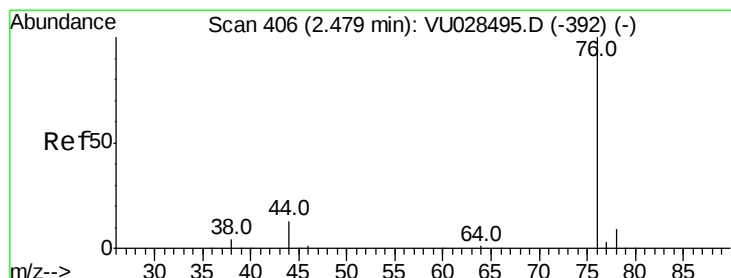
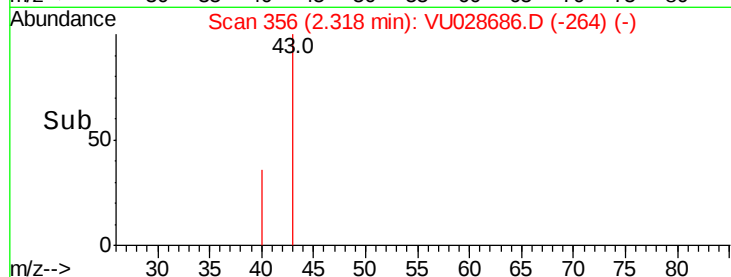
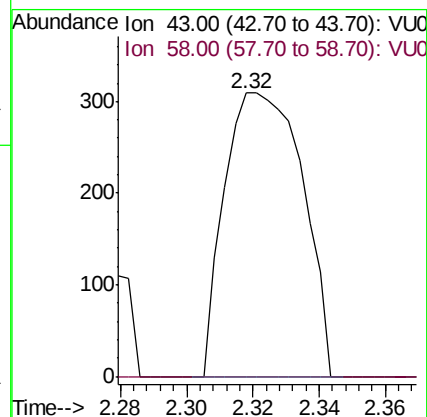
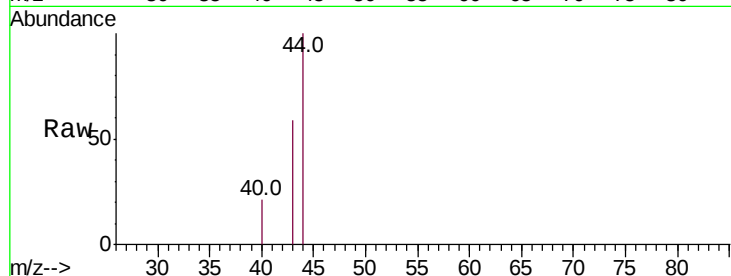
ClientSampled :

Tot Ion: 43 Resp: 505

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



#17

Carbon Disulfide

Concen: 0.232 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028686.D

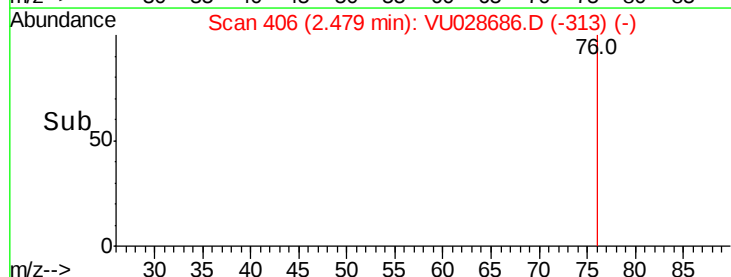
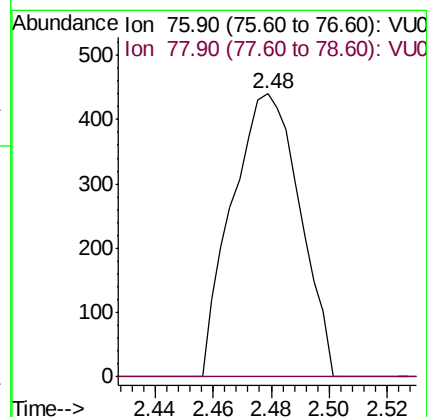
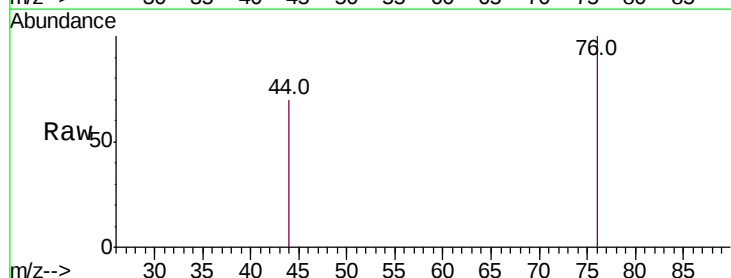
Acq: 14 Dec 2018 16:27

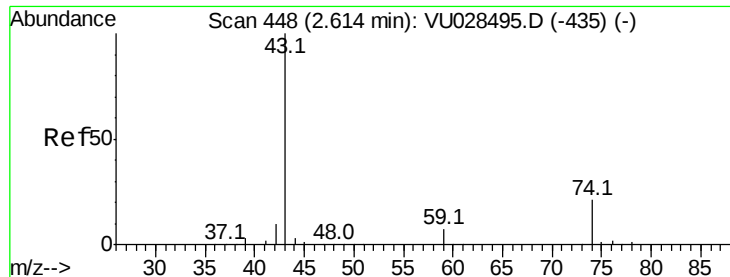
Tgt Ion: 76 Resp: 717

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

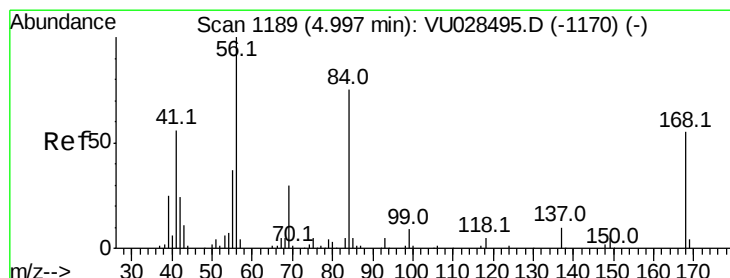
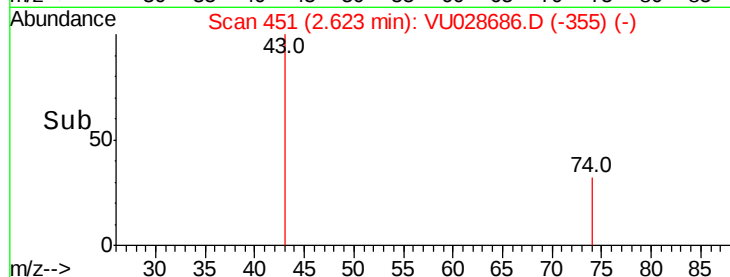
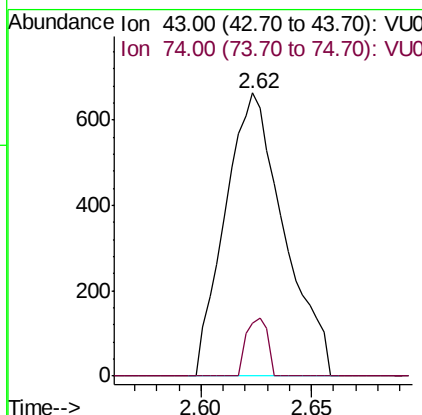
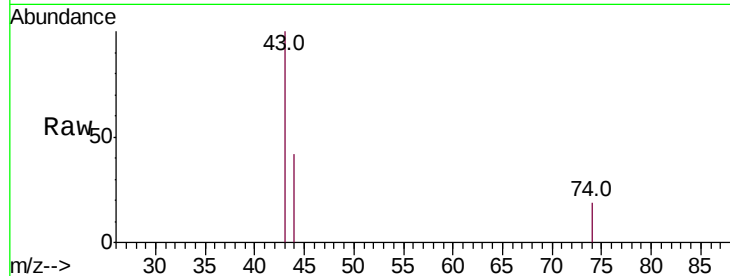




#18
Methyl Acetate
Concen: 0.618 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028686.D
Acq: 14 Dec 2018 16:27

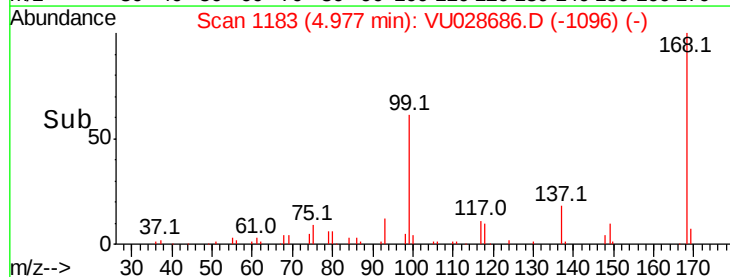
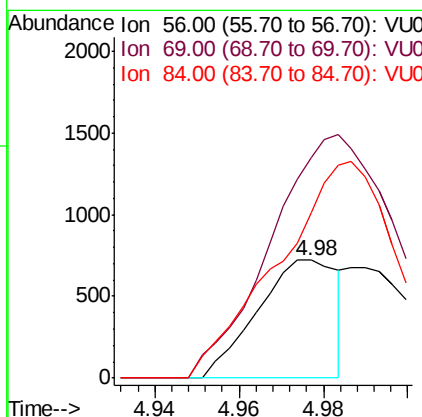
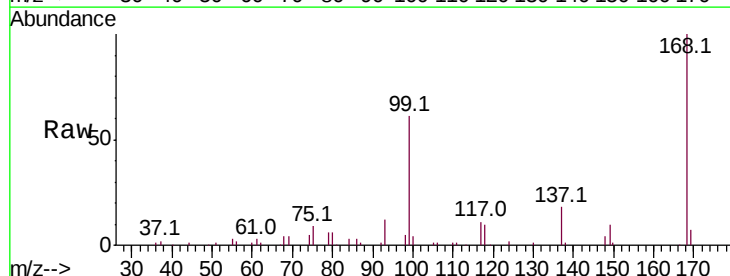
Instrument :
MSVOA_U
ClientSampleId :

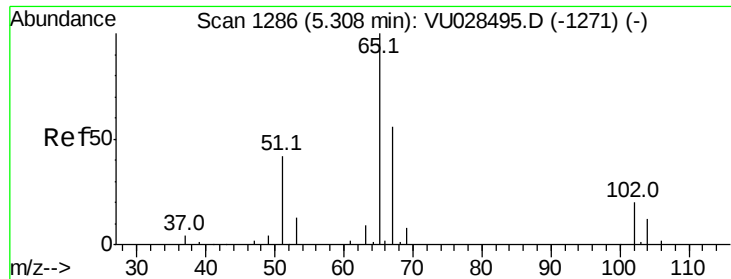
Tot Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
74 7.4 16.4 24.6#



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VU028686.D
Acq: 14 Dec 2018 16:27

Tgt Ion: 56 Resp: 951
Ion Ratio Lower Upper
56 100
69 187.1 24.0 36.0#
84 139.9 59.7 89.5#

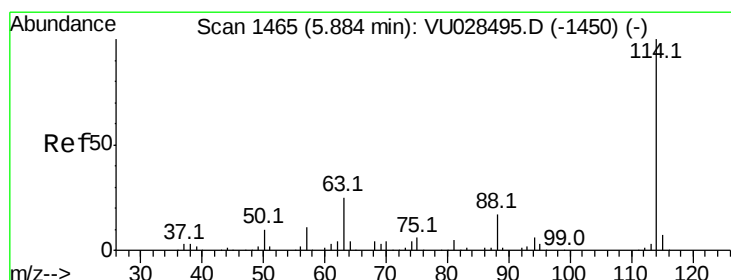
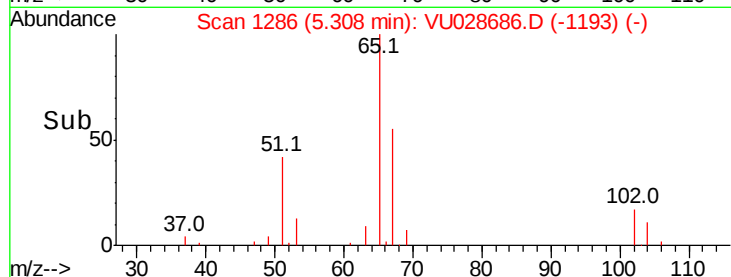
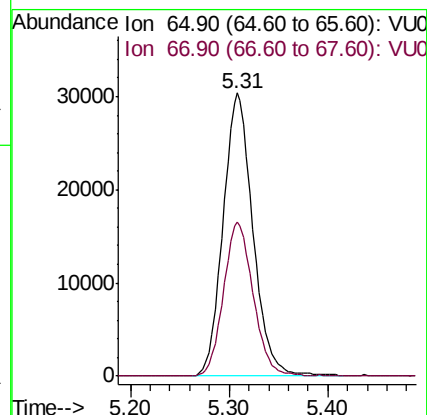
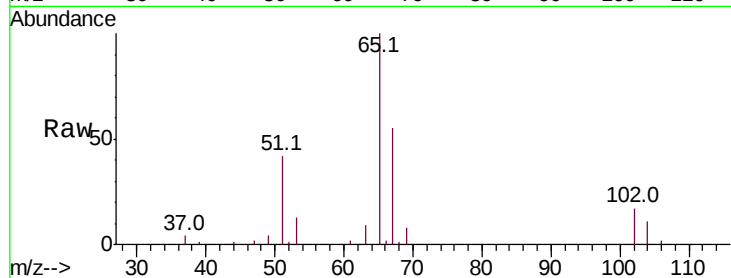




#33
 1,2-Dichloroethane-d4
 Concen: 54.602 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028686.D
 Acq: 14 Dec 2018 16:27

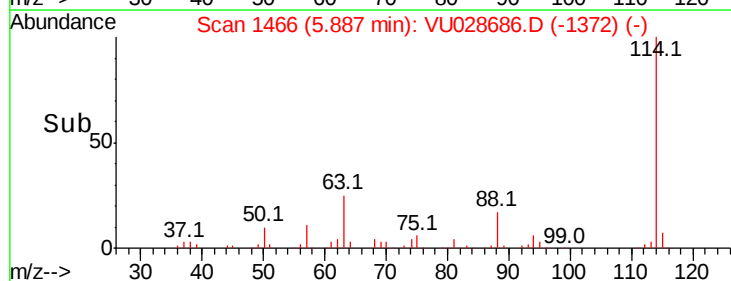
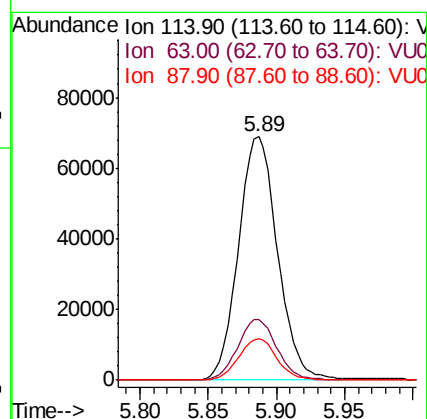
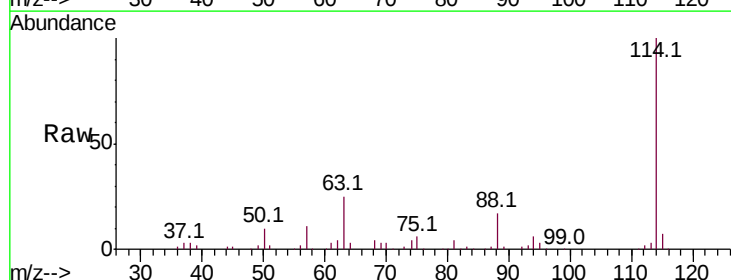
Instrument :
 MSVOA_U
 ClientSampleId :

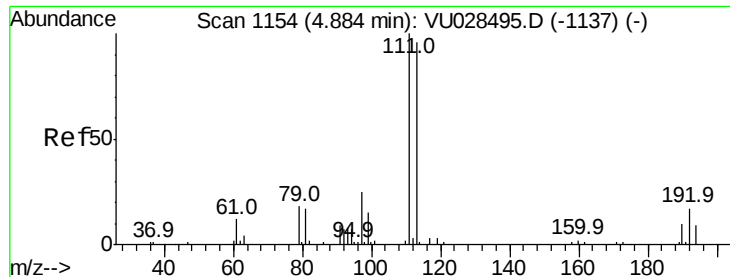
Tot Ion: 65 Resp: 64165
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028686.D
 Acq: 14 Dec 2018 16:27

Tgt Ion:114 Resp: 137108
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 17.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.386 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028686.D

Acq: 14 Dec 2018 16:27

Instrument :
MSVOA_U
ClientSampleId :

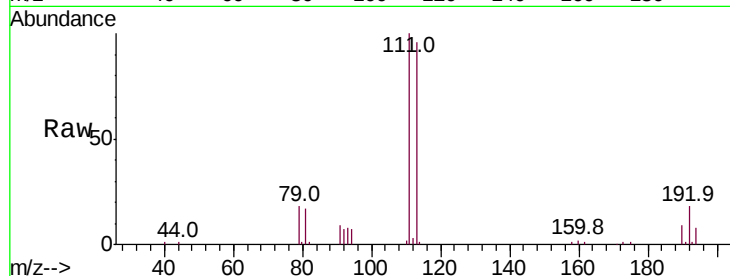
Tot Ion:113 Resp: 46926

Ion Ratio Lower Upper

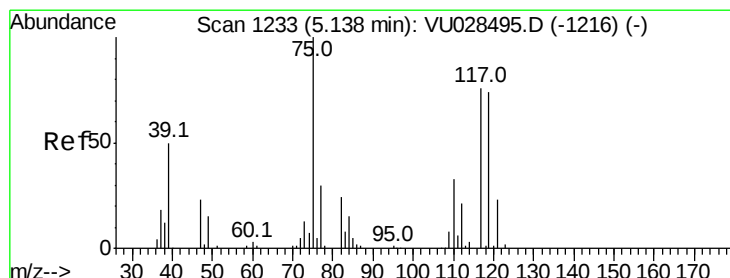
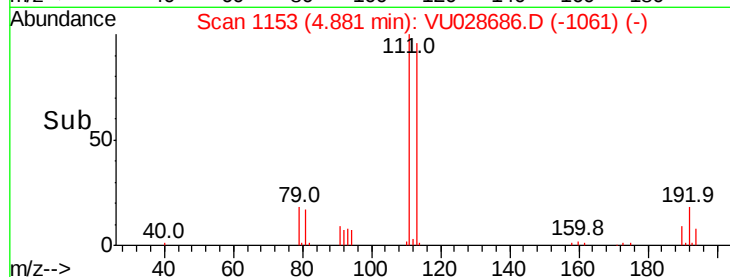
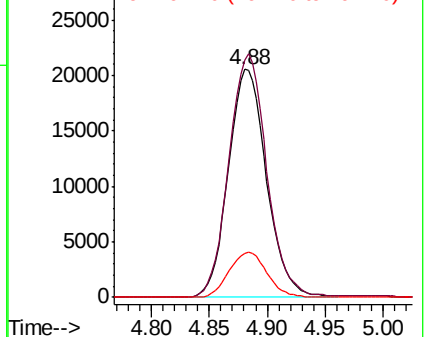
113 100

111 105.7 83.4 125.0

192 19.5 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: 4.484 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028686.D

Acq: 14 Dec 2018 16:27

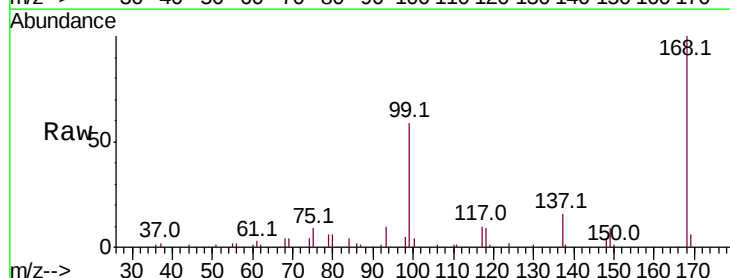
Tgt Ion: 75 Resp: 6727

Ion Ratio Lower Upper

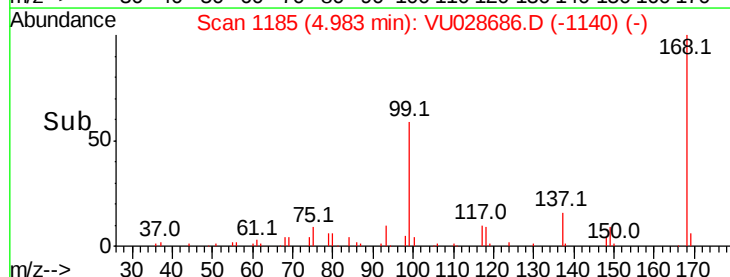
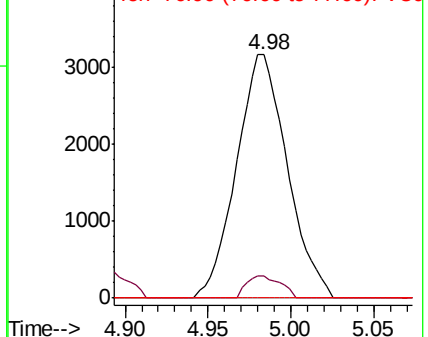
75 100

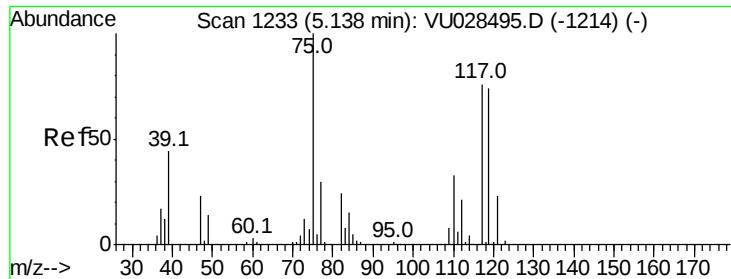
110 6.1 16.1 48.2#

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: 6.324 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028686.D

Acq: 14 Dec 2018 16:27

Instrument :

MSVOA_U

ClientSampled :

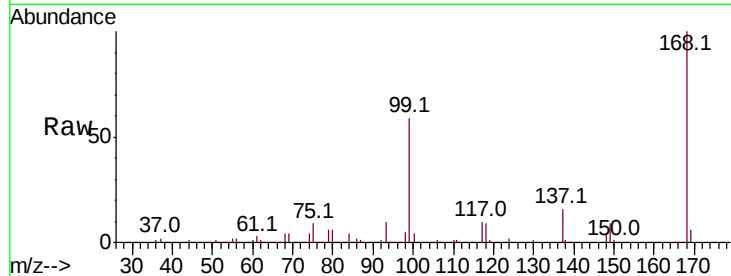
Tot Ion:117 Resp: 7647

Ion Ratio Lower Upper

117 100

119 5.3 77.6 116.4#

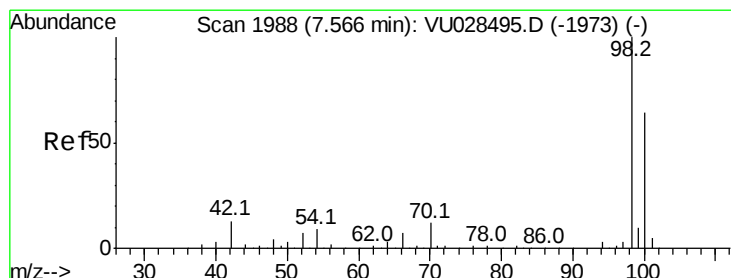
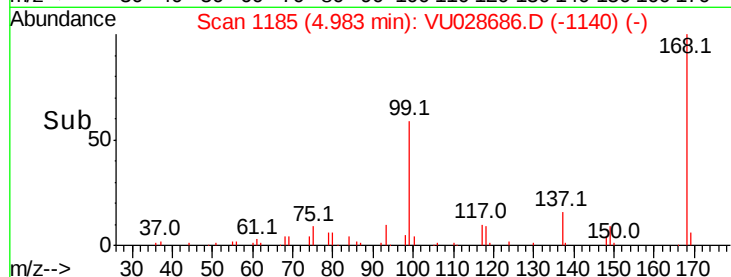
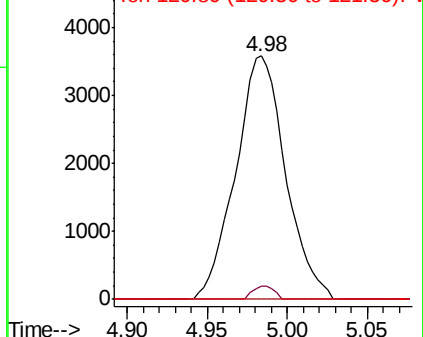
121 0.0 24.6 36.8#



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: 52.274 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028686.D

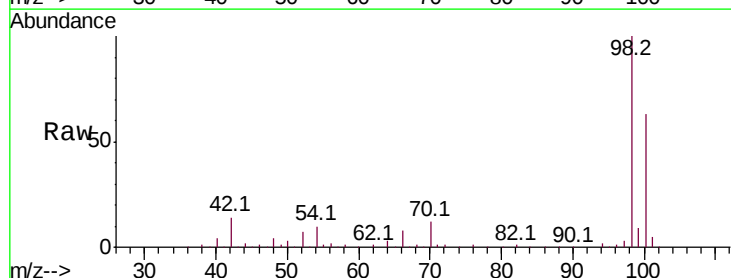
Acq: 14 Dec 2018 16:27

Tgt Ion: 98 Resp: 178422

Ion Ratio Lower Upper

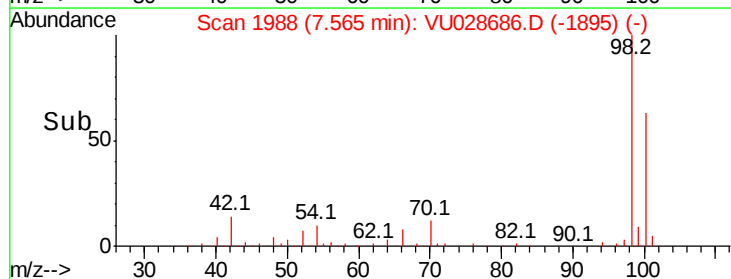
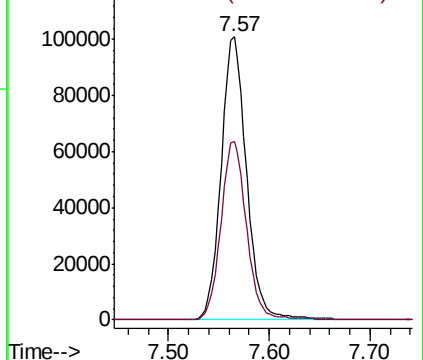
98 100

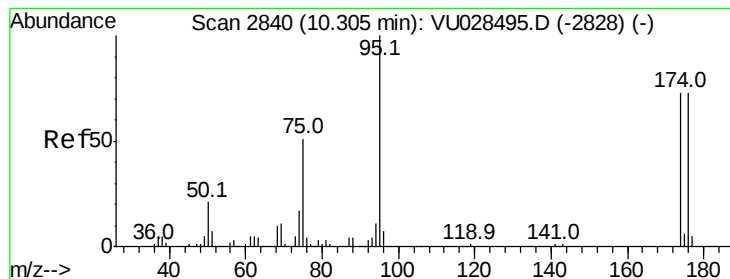
100 63.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.777 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028686.D

Acq: 14 Dec 2018 16:27

Instrument :

MSVOA_U

ClientSampled :

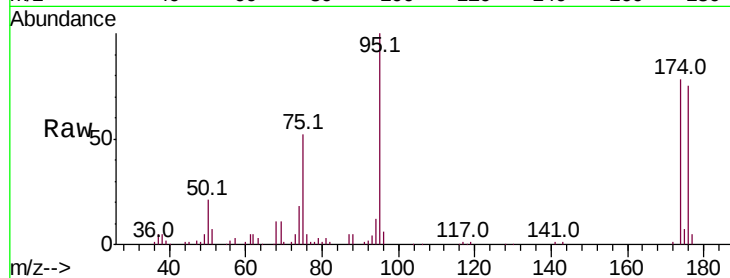
Tot Ion: 95 Resp: 57124

Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.4

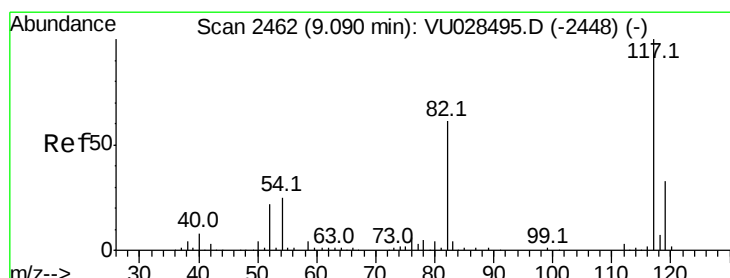
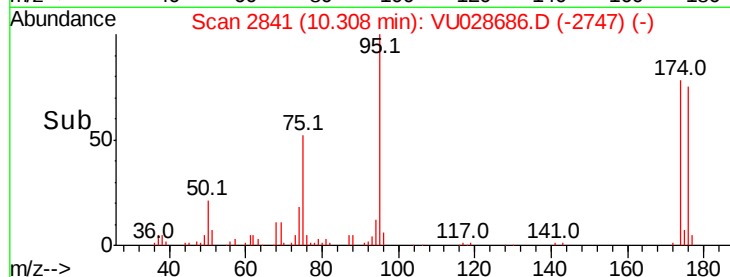
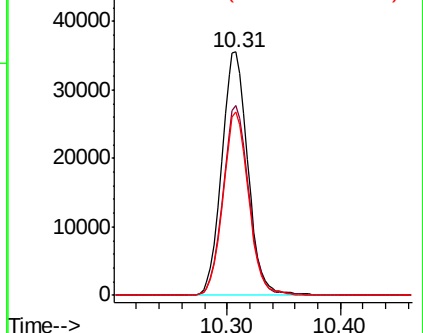
176 73.6 0.0 145.2



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028686.D

Acq: 14 Dec 2018 16:27

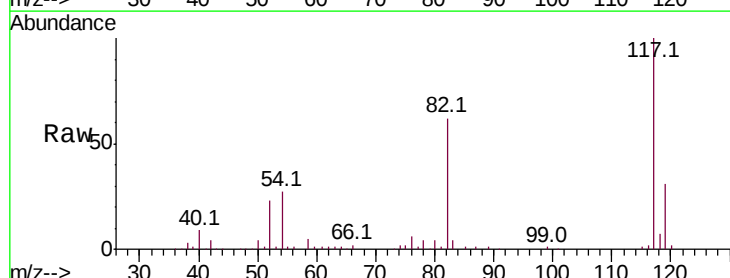
Tgt Ion: 117 Resp: 124546

Ion Ratio Lower Upper

117 100

82 61.9 48.9 73.3

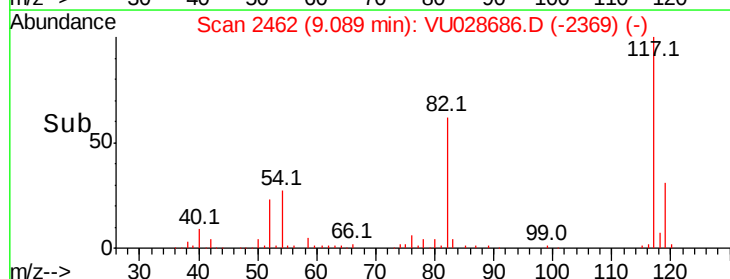
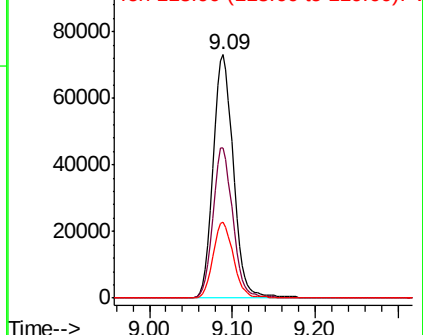
119 31.3 26.2 39.4

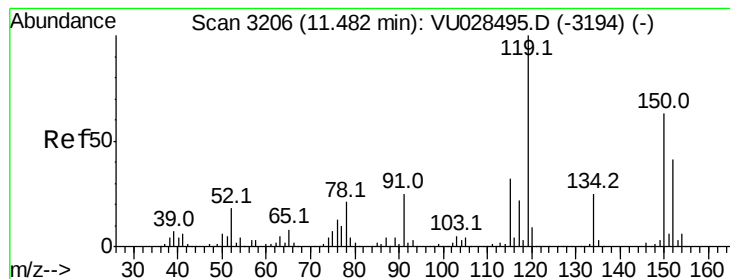


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)



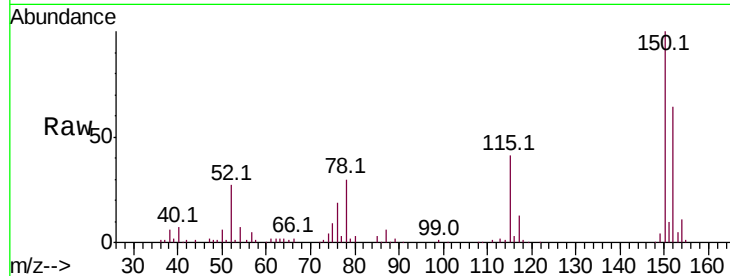


#72

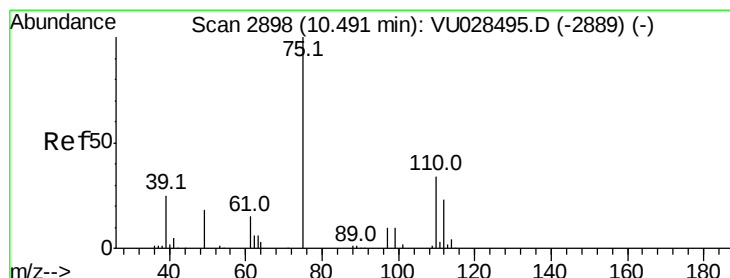
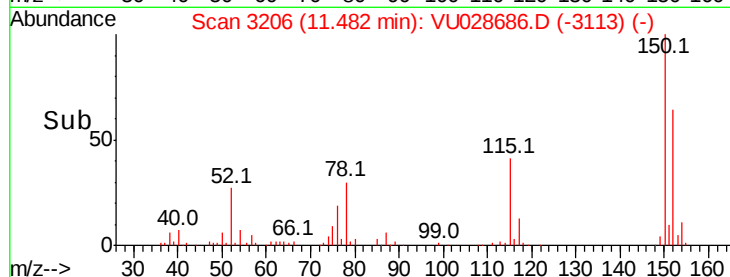
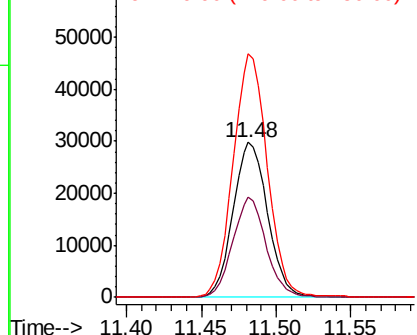
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028686.D
Acq: 14 Dec 2018 16:27

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:152 Resp: 48046
Ion Ratio Lower Upper
152 100
115 62.0 42.7 128.1
150 155.7 0.0 346.0



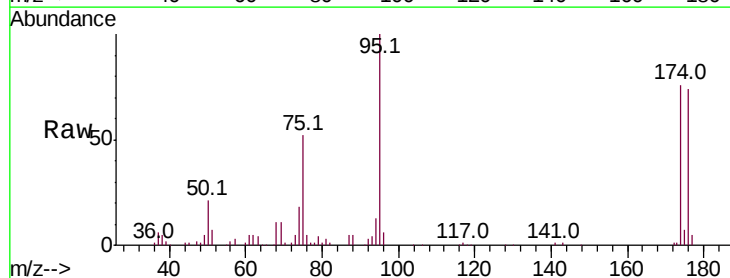
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



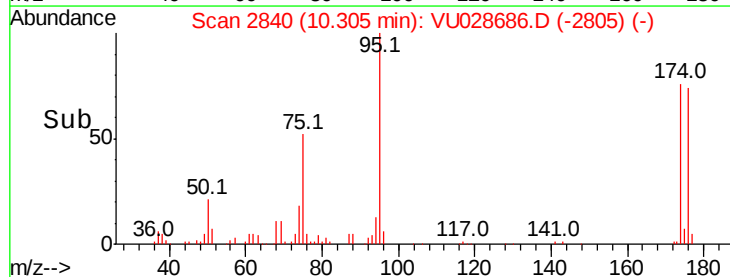
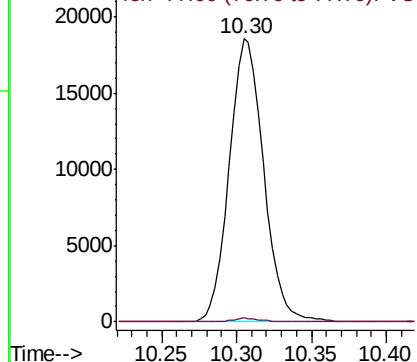
#76

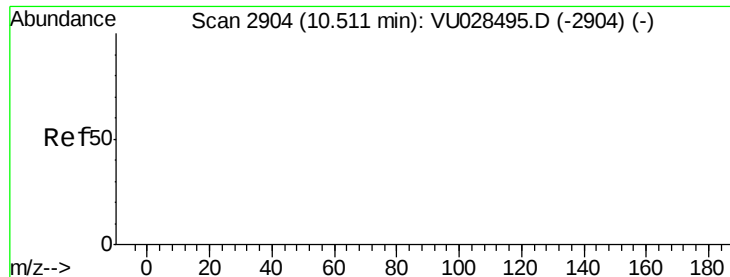
1,2,3-Trichloropropane
Concen: 24.249 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028686.D
Acq: 14 Dec 2018 16:27

Tgt Ion: 75 Resp: 29750
Ion Ratio Lower Upper
75 100
77 0.9 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: 59.519 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028686.D

Acq: 14 Dec 2018 16:27

Instrument :

MSVOA_U

ClientSampled :

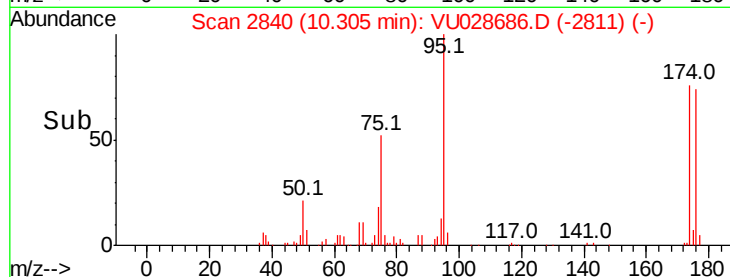
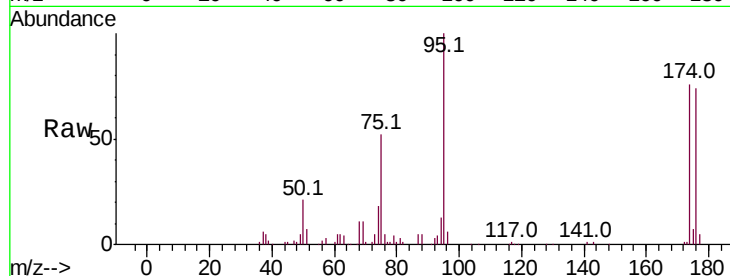
Tot Ion: 75 Resp: 29750

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

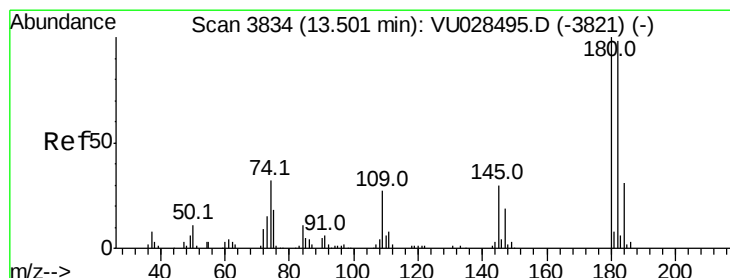
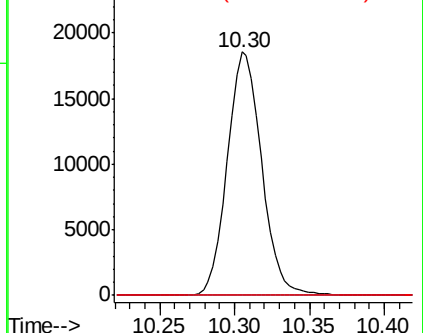
89 0.0 0.0 0.0



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



#93

1,2,4-Trichlorobenzene

Concen: 0.901 ug/l

RT: 13.51 min Scan# 3836

Delta R.T. 0.01 min

Lab File: VU028686.D

Acq: 14 Dec 2018 16:27

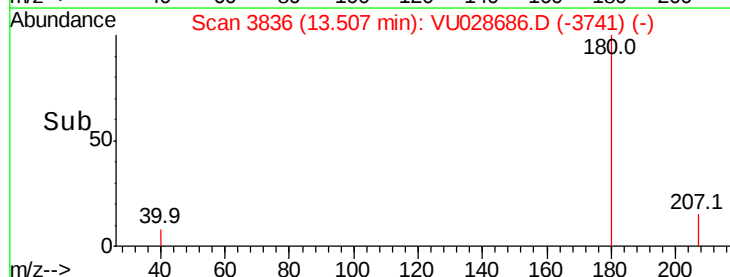
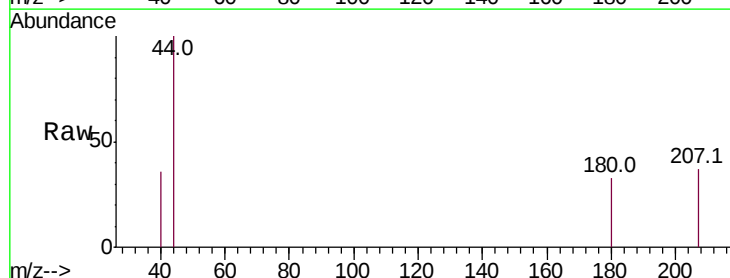
Tgt Ion:180 Resp: 65

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.8

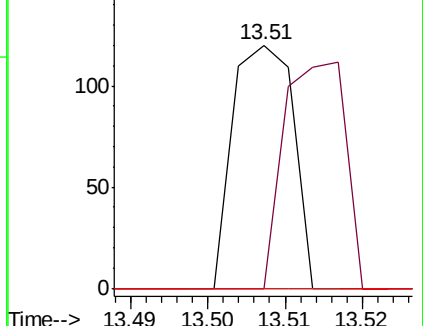
145 0.0 15.0 45.1#

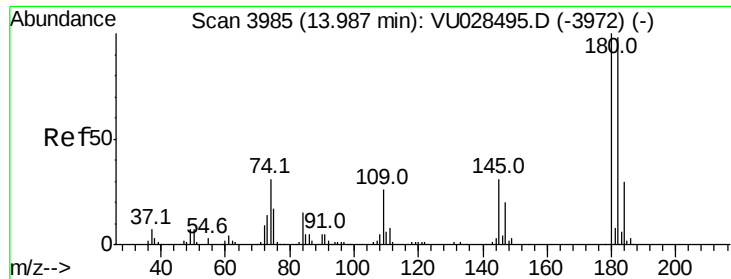


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

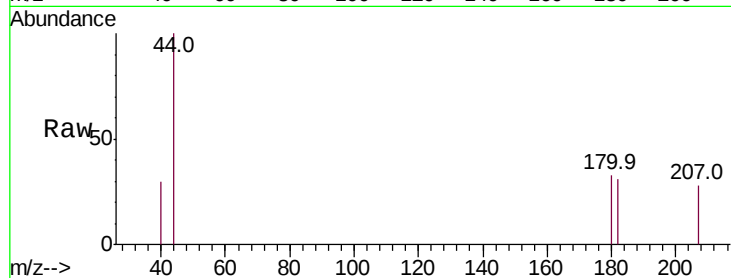




#96
 1,2,3-Trichlorobenzene
 Concen: 0.232 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU028686.D
 Acq: 14 Dec 2018 16:27

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.2	144.6#
145	0.0	15.8	47.3#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

