

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121518\
 Data File : VU028688.D
 Acq On : 14 Dec 2018 17:15
 Operator : MD/SY
 Sample : J6393-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:22:30 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	79228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	143451	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	127882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	49116	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	65596	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	
35) Dibromofluoromethane	4.88	113	48649	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	
50) Toluene-d8	7.57	98	183567	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	10.30	95	59889	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	

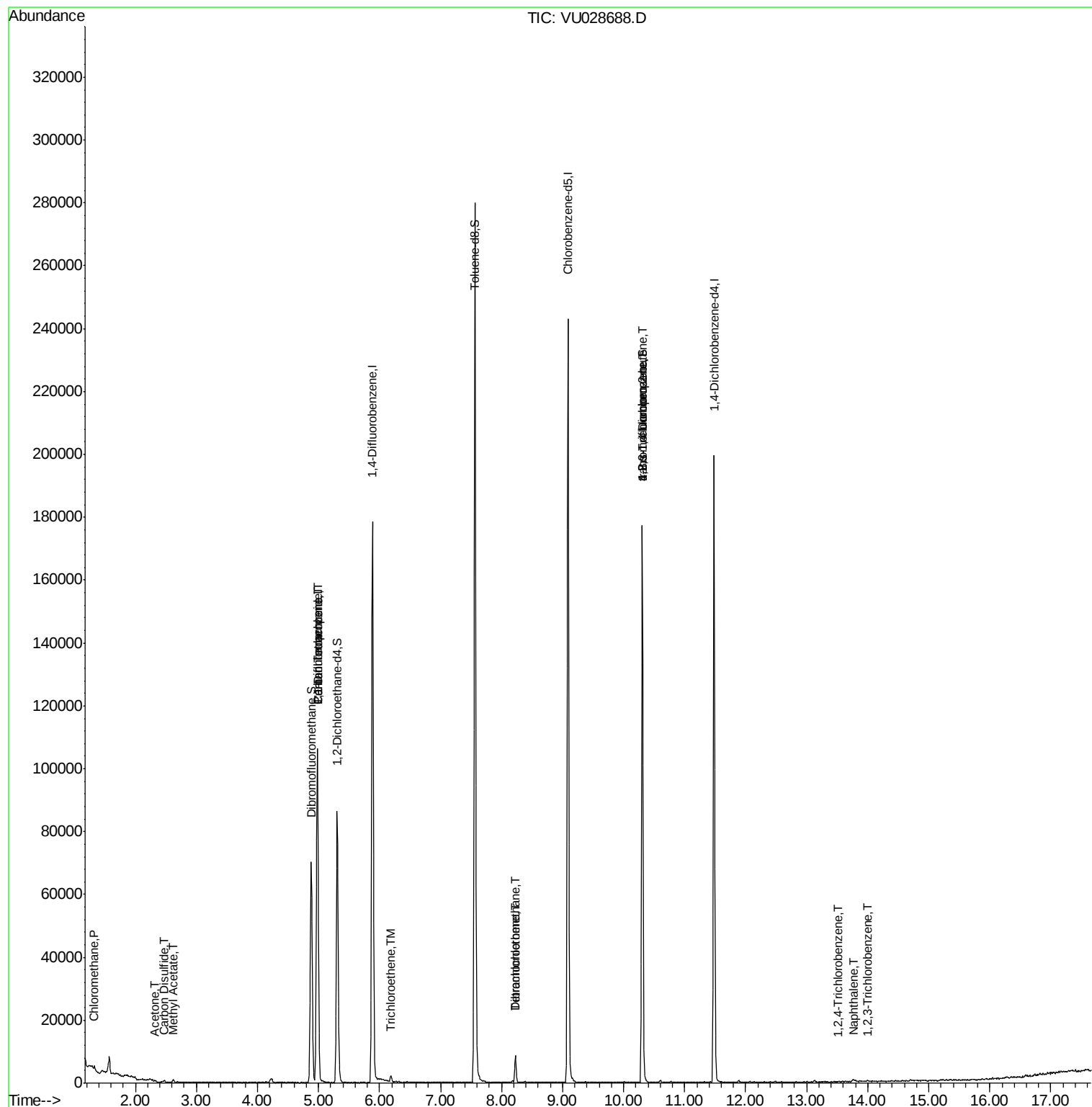
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1200	0.615	ug/l	91
16) Acetone	2.32	43	517	0.655	ug/l #	44
17) Carbon Disulfide	2.47	76	684	0.215	ug/l #	75
18) Methyl Acetate	2.62	43	1365	0.667	ug/l #	88
31) Cyclohexane	4.98	56	1916	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	6795	4.329	ug/l #	49
38) Carbon Tetrachloride	4.98	117	8189	6.472	ug/l #	15
44) Trichloroethene	6.18	130	601	0.585	ug/l	85
60) Dibromochloromethane	8.23	129	1908	1.812	ug/l #	10
64) Tetrachloroethene	8.22	164	1889	2.215	ug/l	94
76) 1,2,3-Trichloropropane	10.30	75	31109	24.804	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	31109	60.870	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.50	180	20	0.861	ug/l #	12
95) Naphthalene	13.76	128	823	0.206	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.00	180	168	0.294	ug/l #	71

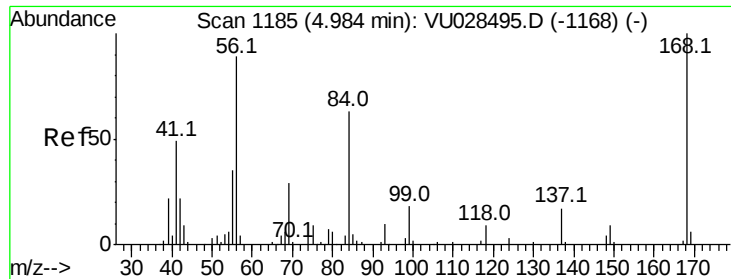
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121518\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
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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: VU028688.D

Acq: 14 Dec 2018 17:15

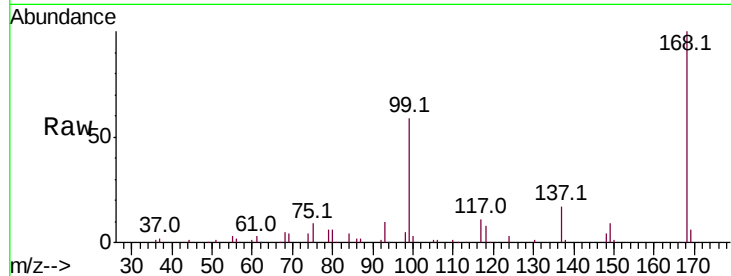
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 79228

Ion Ratio Lower Upper

168 100

99 59.4 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

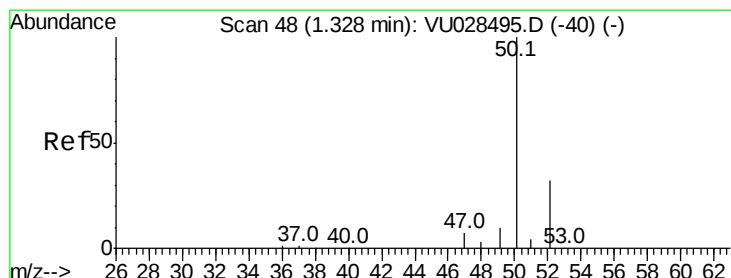
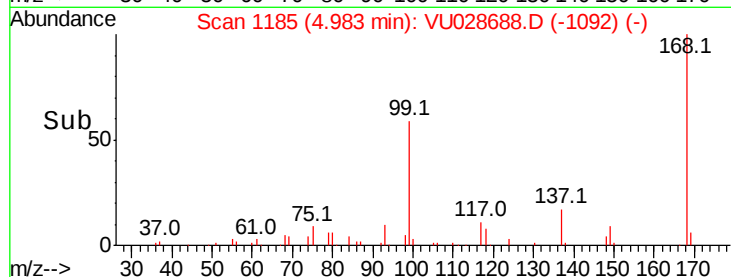
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 0.615 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028688.D

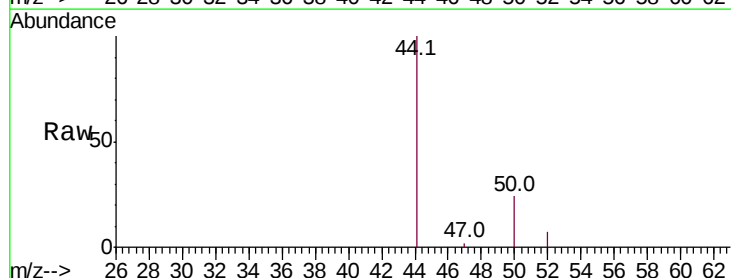
Acq: 14 Dec 2018 17:15

Tgt Ion: 50 Resp: 1200

Ion Ratio Lower Upper

50 100

52 26.9 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

1200

1000

800

600

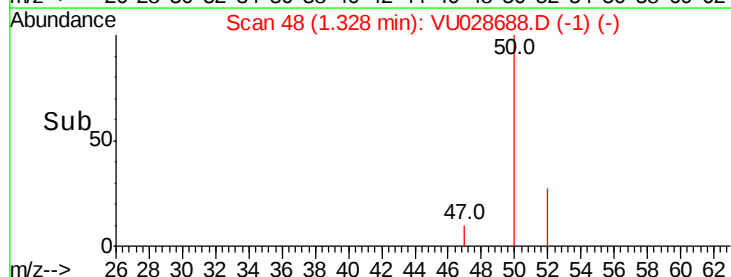
400

200

0

1.30 1.35

Time-->





#16

Acetone

Concen: 0.655 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028688.D

Acq: 14 Dec 2018 17:15

Instrument :

MSVOA_U

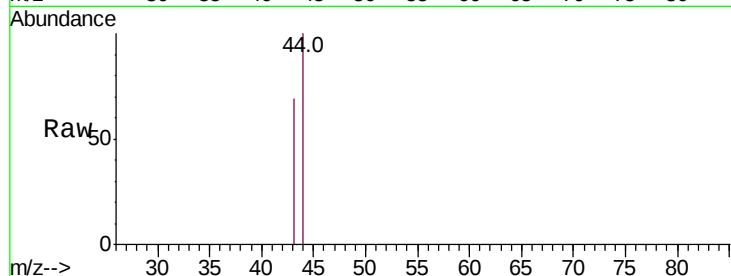
ClientSampleId :

Tot Ion: 43 Resp: 517

Ion Ratio Lower Upper

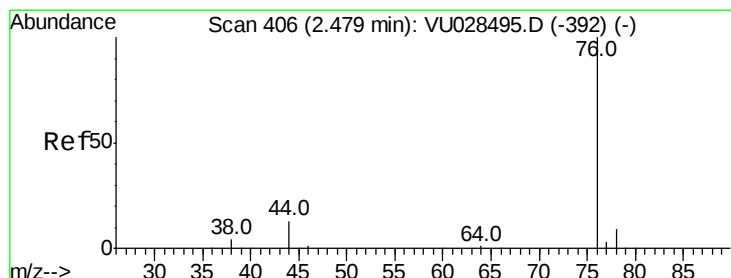
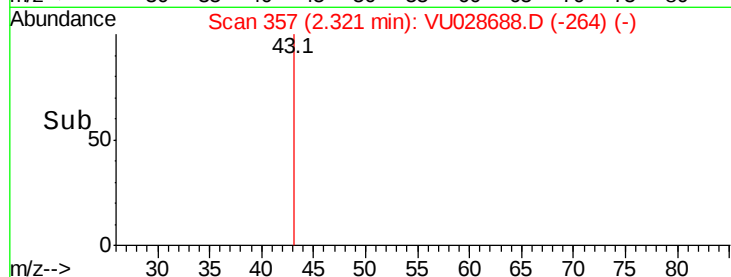
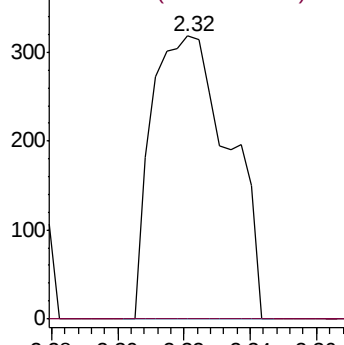
43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 0.215 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028688.D

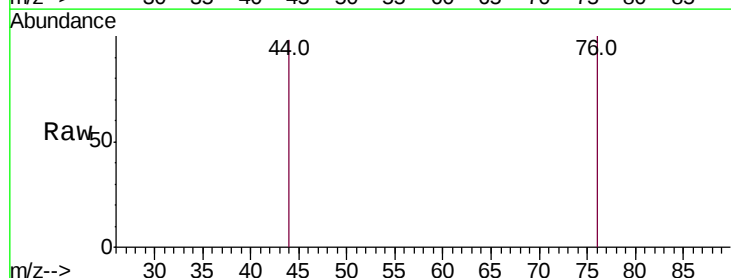
Acq: 14 Dec 2018 17:15

Tgt Ion: 76 Resp: 684

Ion Ratio Lower Upper

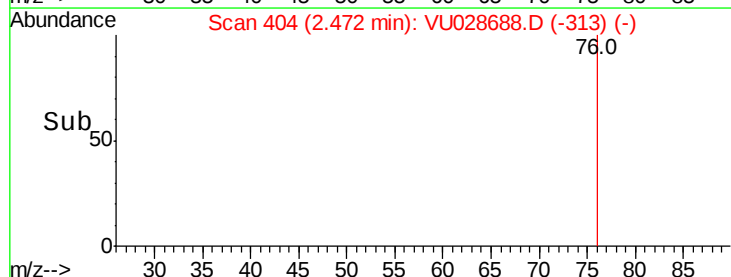
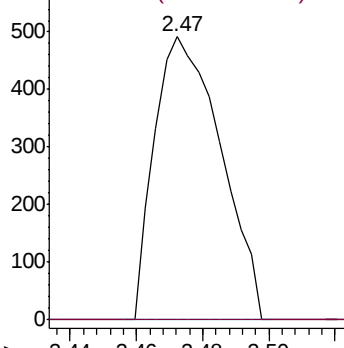
76 100

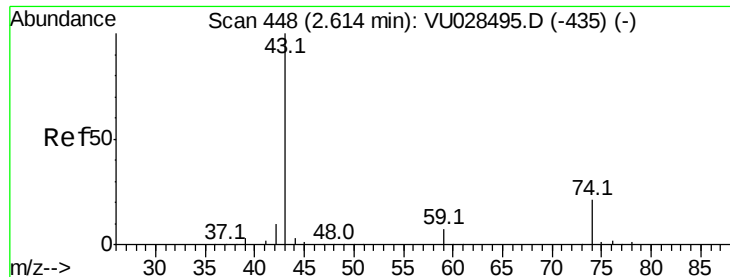
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

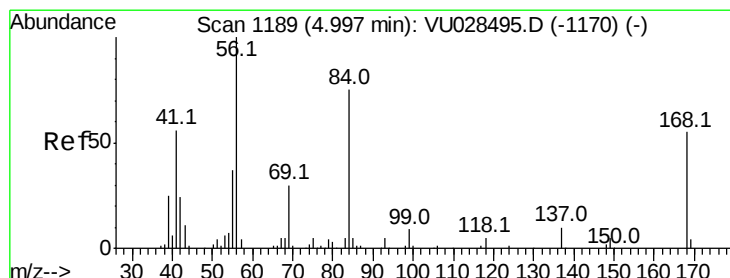
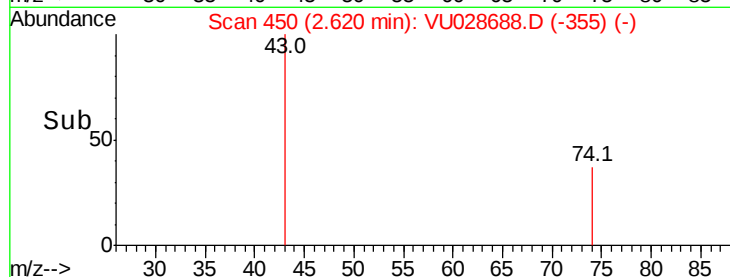
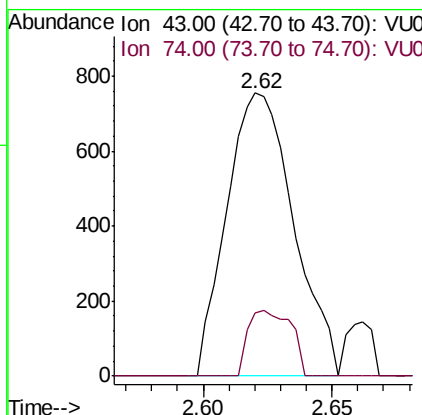
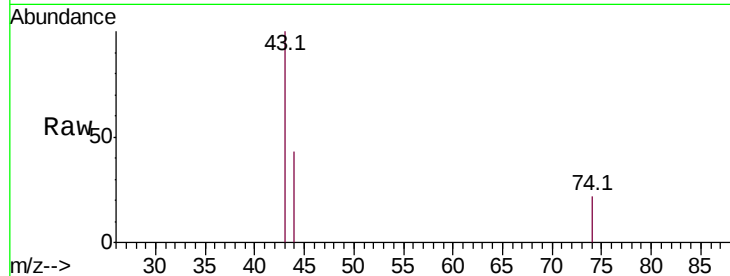




#18
Methvl Acetate
Concen: 0.667 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028688.D
Acq: 14 Dec 2018 17:15

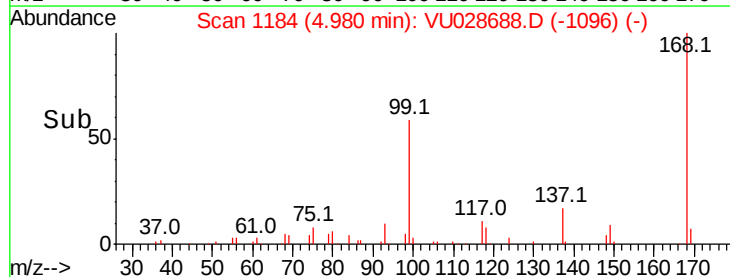
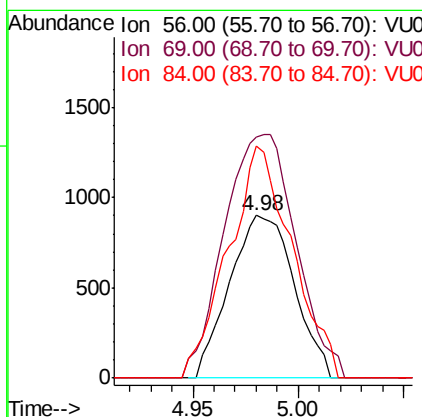
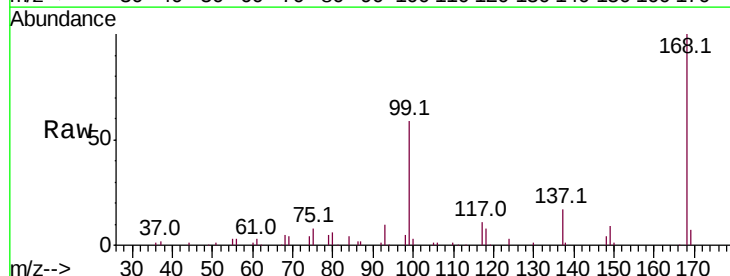
Instrument :
MSVOA_U
ClientSampleId :

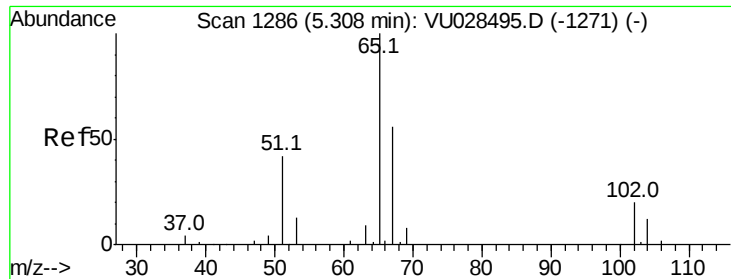
Tot Ion: 43 Resp: 1365
Ion Ratio Lower Upper
43 100
74 14.9 16.4 24.6#



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028688.D
Acq: 14 Dec 2018 17:15

Tgt Ion: 56 Resp: 1916
Ion Ratio Lower Upper
56 100
69 136.4 24.0 36.0#
84 143.1 59.7 89.5#

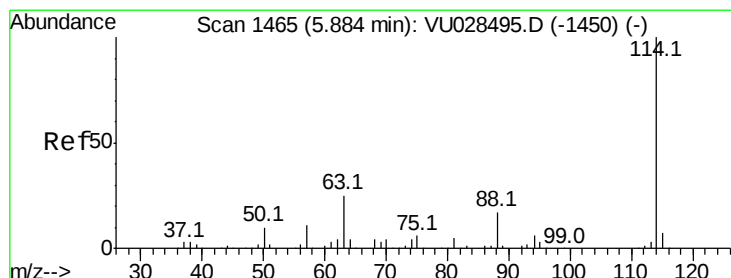
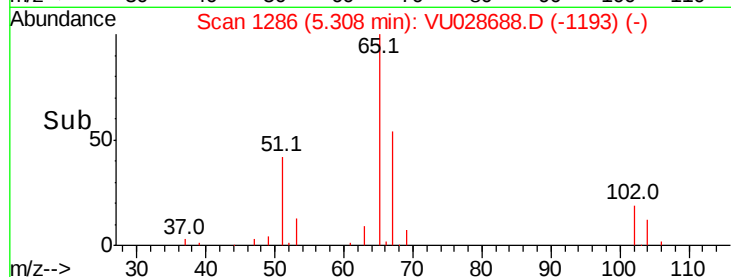
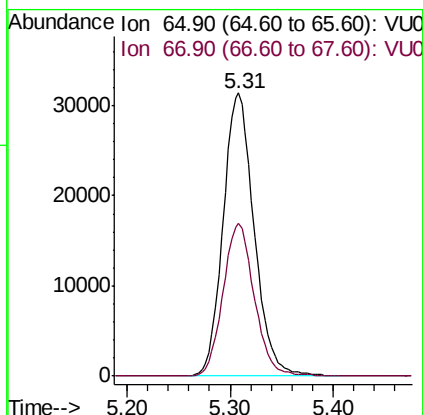
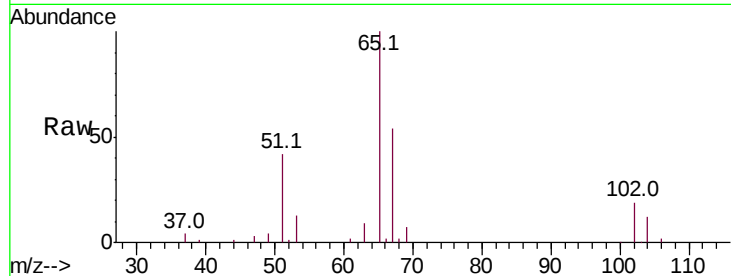




#33
 1,2-Dichloroethane-d4
 Concen: 54.253 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028688.D
 Acq: 14 Dec 2018 17:15

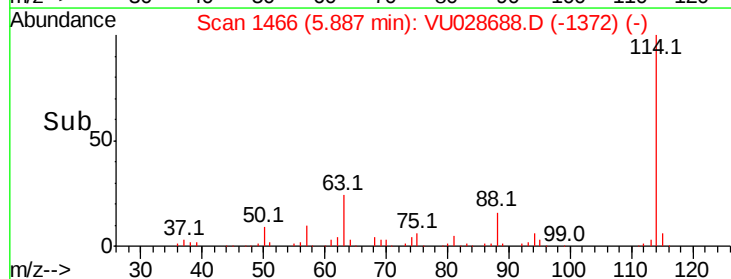
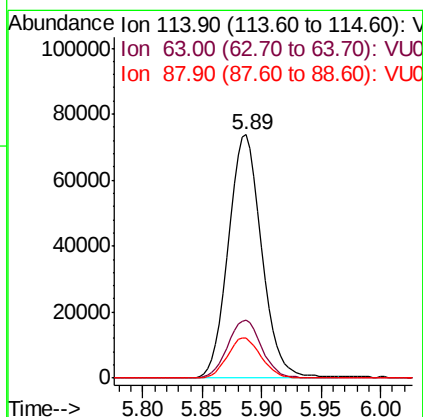
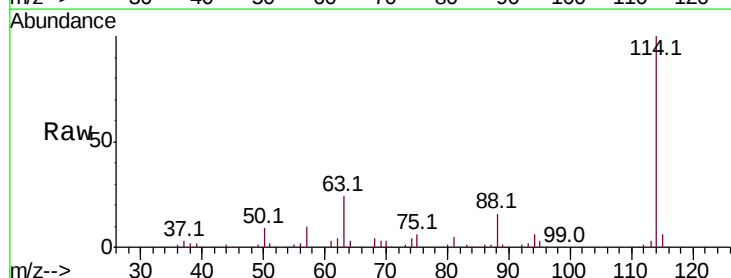
Instrument :
 MSVOA_U
 ClientSampleId :

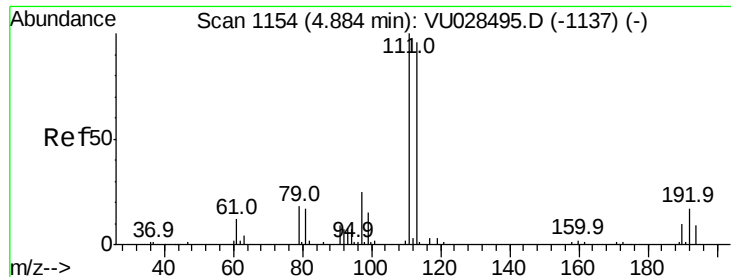
Tot Ion: 65 Resp: 65596
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028688.D
 Acq: 14 Dec 2018 17:15

Tgt Ion: 114 Resp: 143451
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 49.2
 88 16.2 0.0 33.4

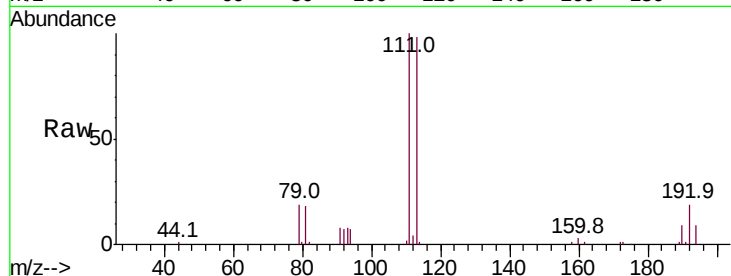




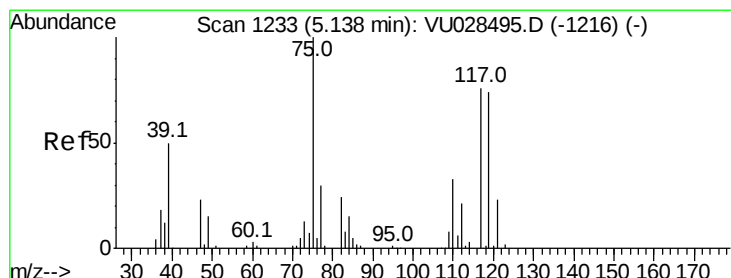
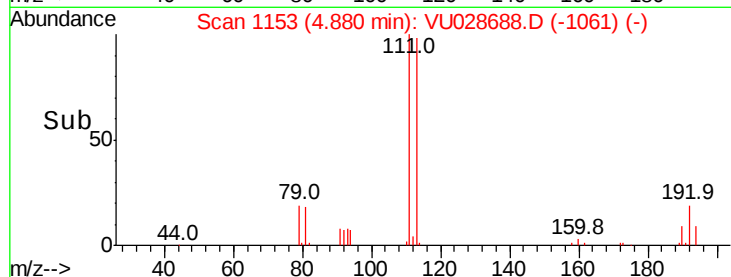
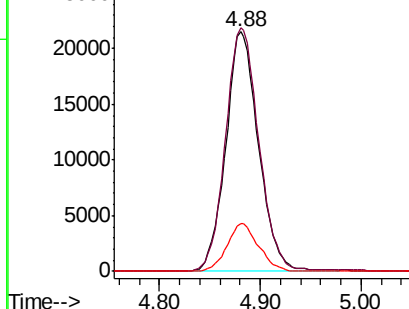
#35
 Dibromofluoromethane
 Concen: 53.890 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028688.D
 Acq: 14 Dec 2018 17:15

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:113 Resp: 48649
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.4 125.0
 192 19.1 14.8 22.2

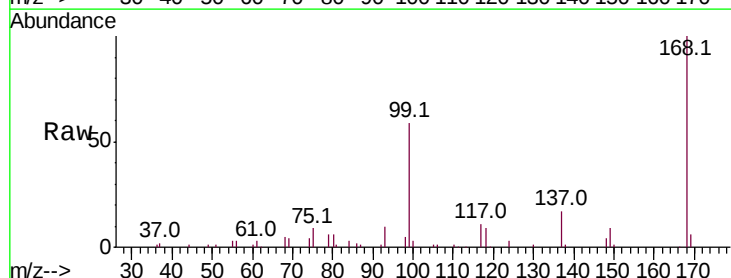


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

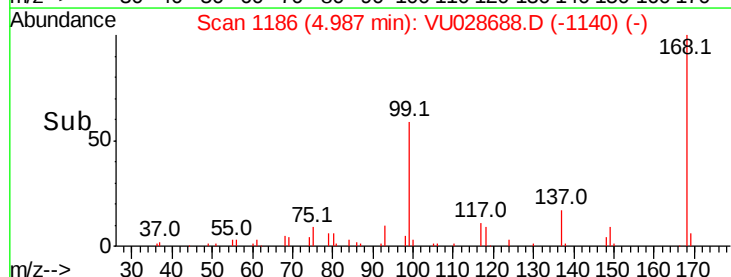
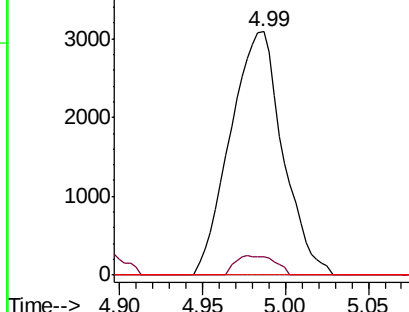


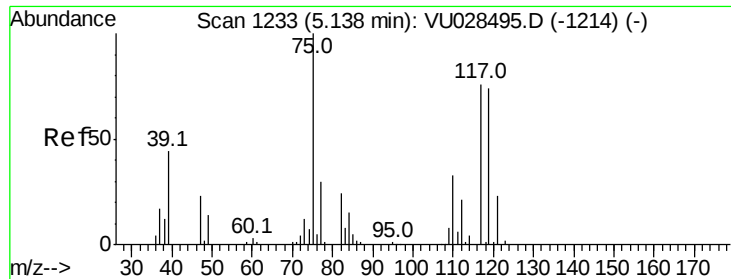
#36
 1,1-Dichloropropene
 Concen: 4.329 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU028688.D
 Acq: 14 Dec 2018 17:15

Tgt Ion: 75 Resp: 6795
 Ion Ratio Lower Upper
 75 100
 110 6.0 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: 6.472 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028688.D

Acq: 14 Dec 2018 17:15

Instrument :

MSVOA_U

ClientSampleId :

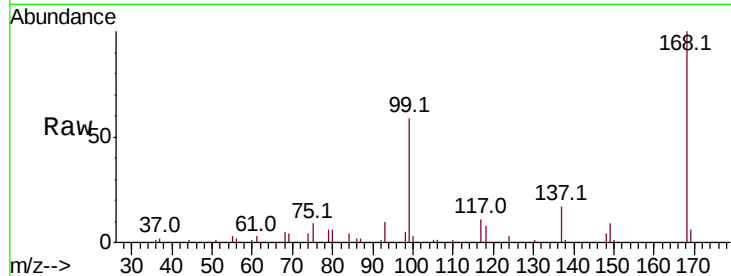
Tot Ion:117 Resp: 8189

Ion Ratio Lower Upper

117 100

119 4.1 77.6 116.4#

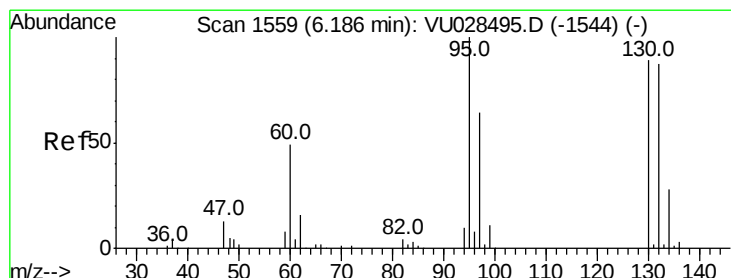
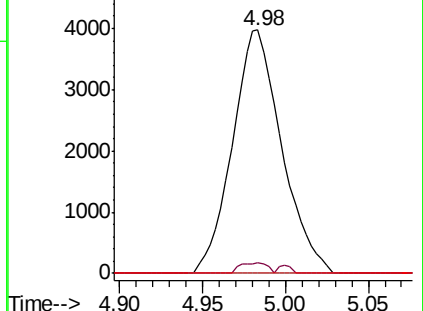
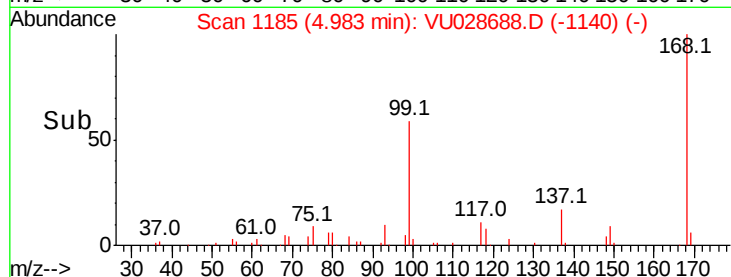
121 0.0 24.6 36.8#



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: 0.585 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028688.D

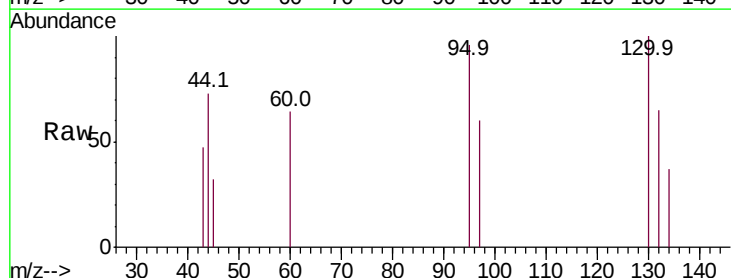
Acq: 14 Dec 2018 17:15

Tgt Ion:130 Resp: 601

Ion Ratio Lower Upper

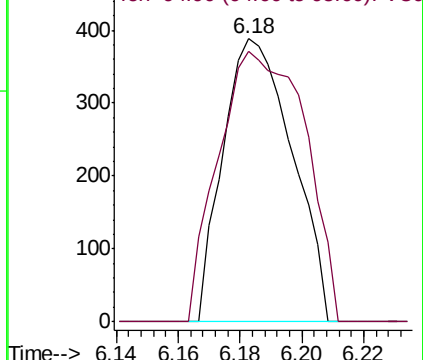
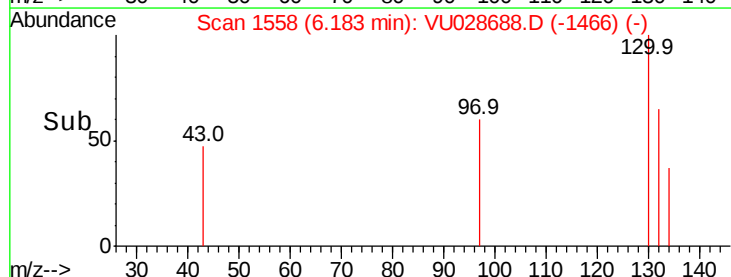
130 100

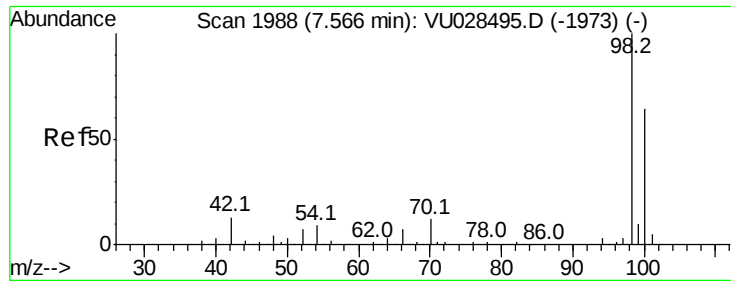
95 95.9 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 51.403 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028688.D

Acq: 14 Dec 2018 17:15

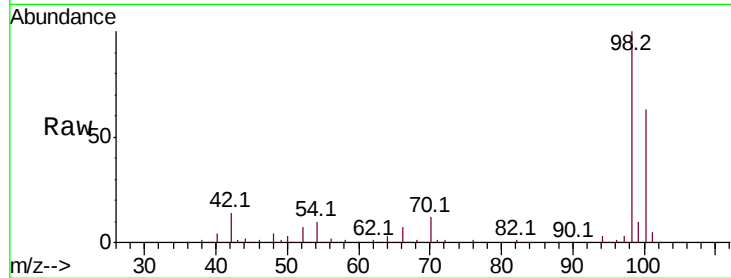
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 98 Resp: 183567

Ion Ratio Lower Upper

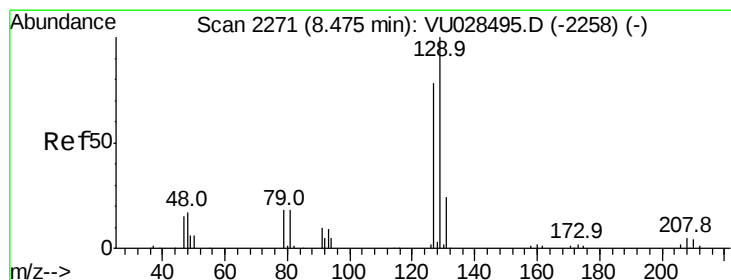
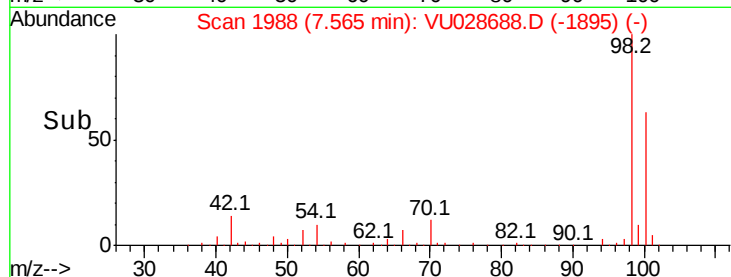
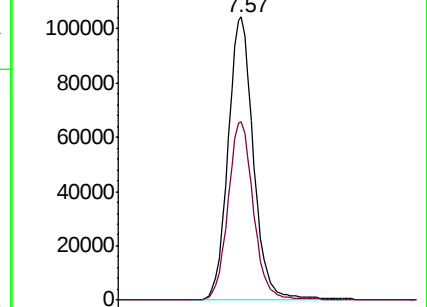
98 100

100 63.4 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) (-)



#60

Dibromochloromethane

Concen: 1.812 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028688.D

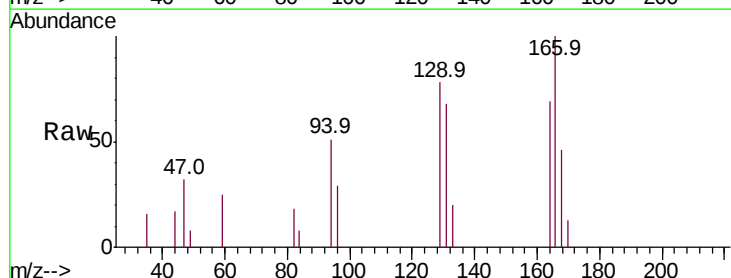
Acq: 14 Dec 2018 17:15

Tgt Ion: 129 Resp: 1908

Ion Ratio Lower Upper

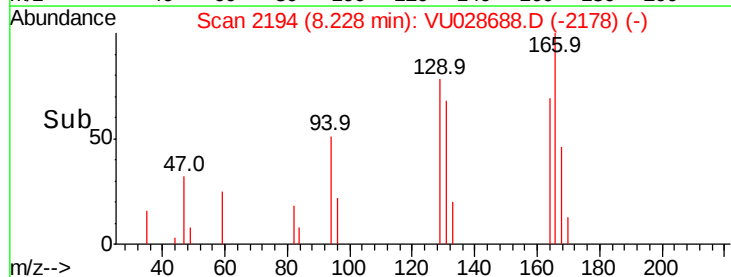
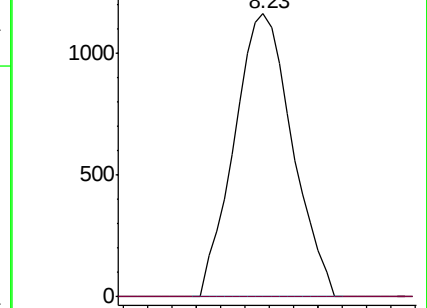
129 100

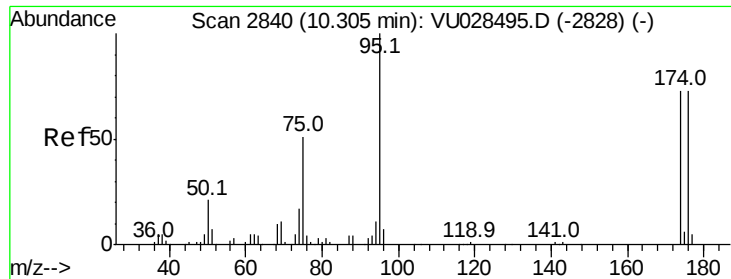
127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VU028495.D (-2258) (-)

Ion 126.80 (126.50 to 127.50): VU028495.D (-2258) (-)





#62

4-Bromofluorobenzene

Concen: 44.869 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028688.D

Acq: 14 Dec 2018 17:15

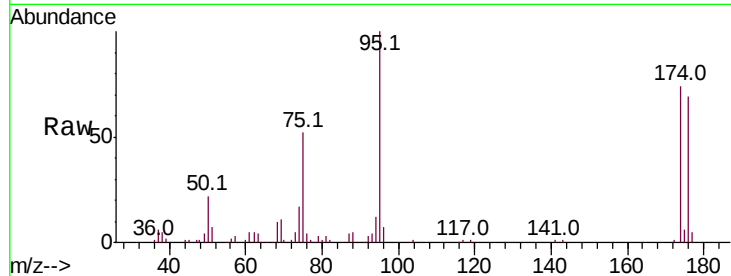
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 59889

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	150.4
176	71.5	0.0	145.2

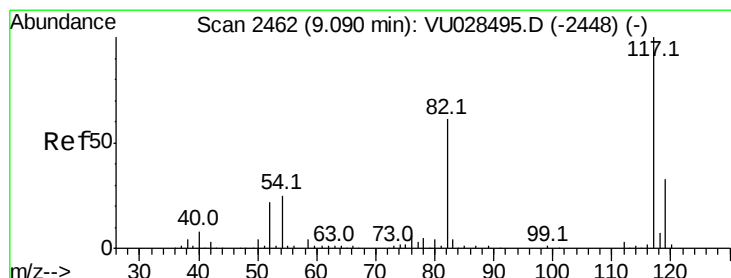
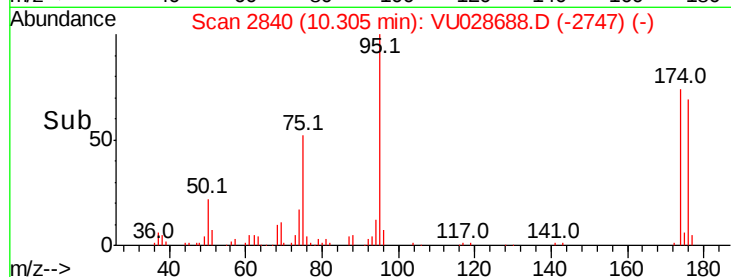
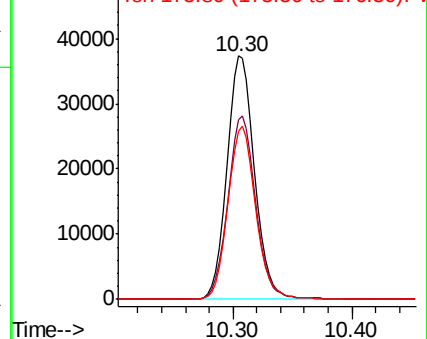


Abundance

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

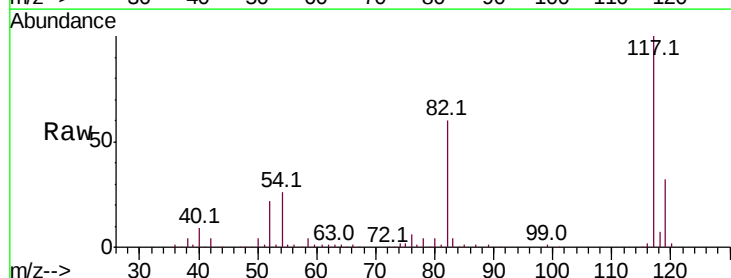
Delta R.T. -0.00 min

Lab File: VU028688.D

Acq: 14 Dec 2018 17:15

Tgt Ion: 117 Resp: 127882

Ion	Ratio	Lower	Upper
117	100		
82	59.9	48.9	73.3
119	32.0	26.2	39.4

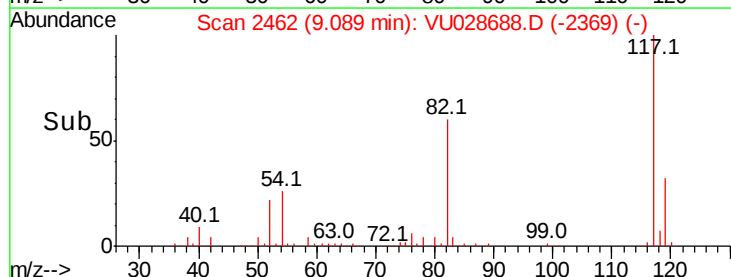
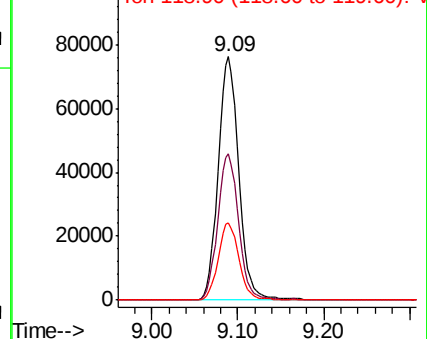


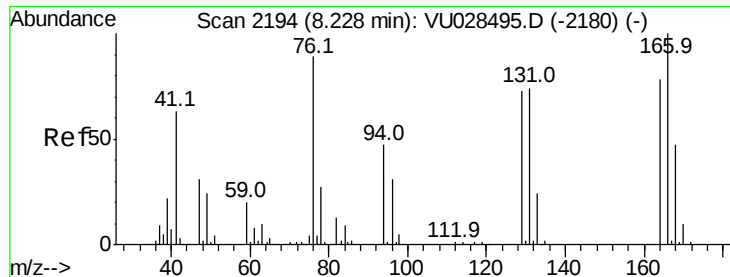
Abundance

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) (-)





#64

Tetrachloroethene

Concen: 2.215 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028688.D

Acq: 14 Dec 2018 17:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 1889

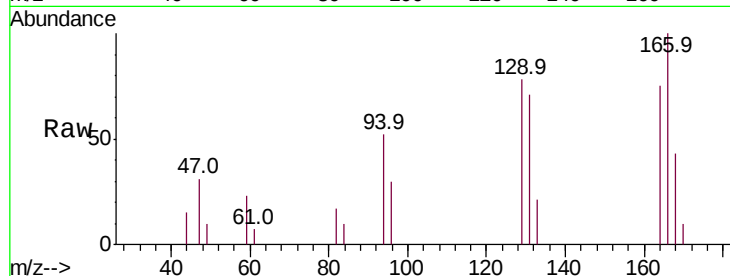
Ion Ratio Lower Upper

164 100

166 133.5 101.9 152.9

129 103.9 74.9 112.3

131 95.0 75.4 113.0

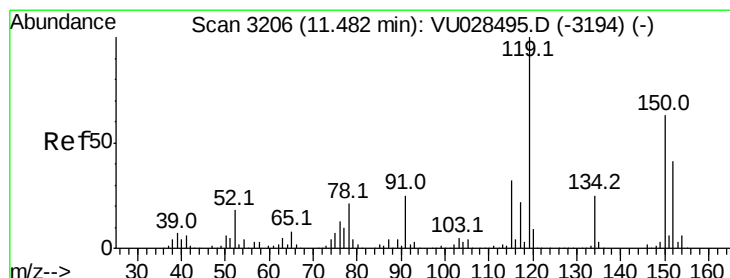
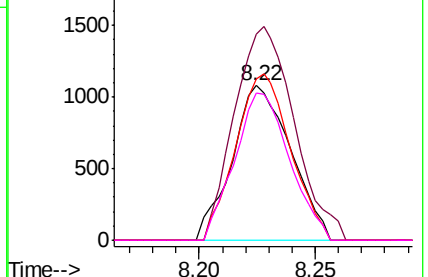
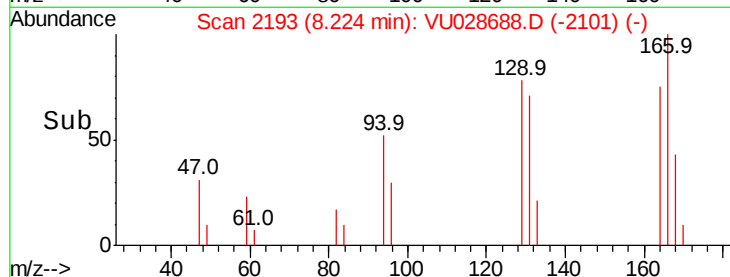


Abundance Ion 163.80 (163.50 to 164.50): V

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: VU028688.D

Acq: 14 Dec 2018 17:15

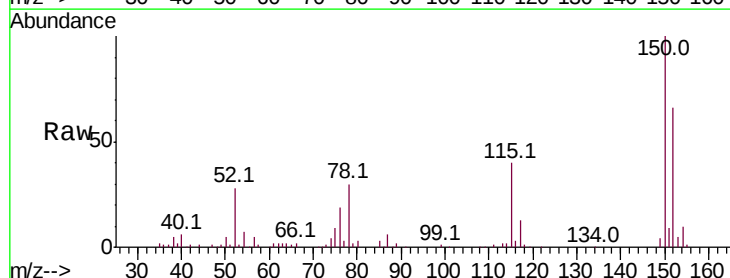
Tgt Ion:152 Resp: 49116

Ion Ratio Lower Upper

152 100

115 60.3 42.7 128.1

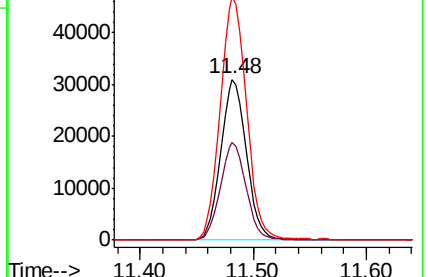
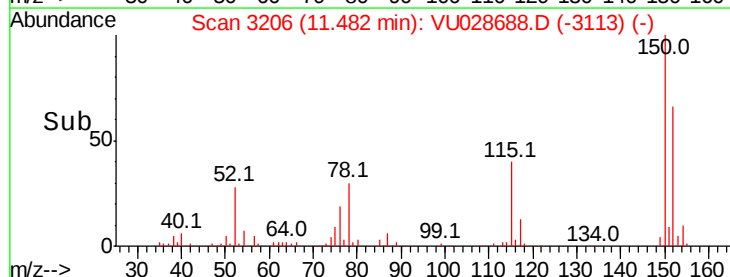
150 154.4 0.0 346.0

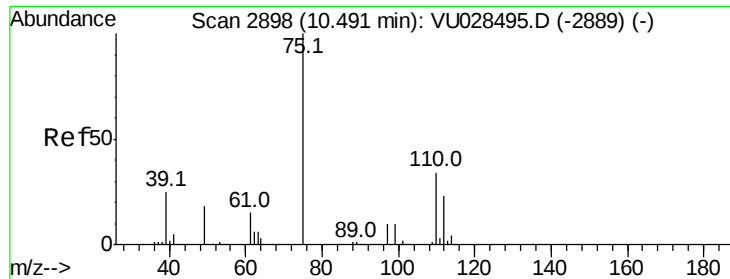


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.804 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028688.D

Acq: 14 Dec 2018 17:15

Instrument :

MSVOA_U

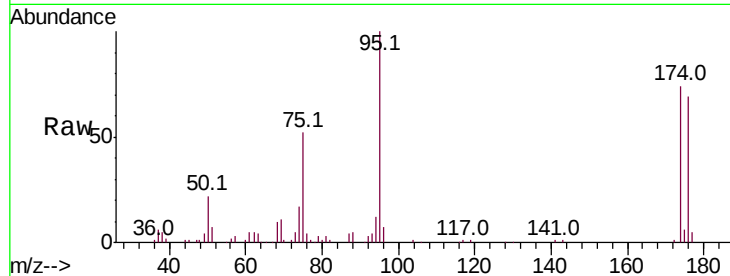
ClientSampleId :

Tot Ion: 75 Resp: 31109

Ion Ratio Lower Upper

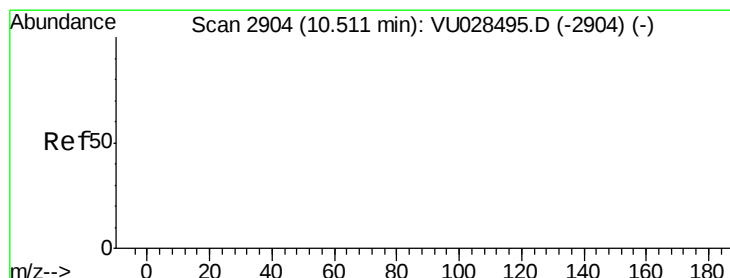
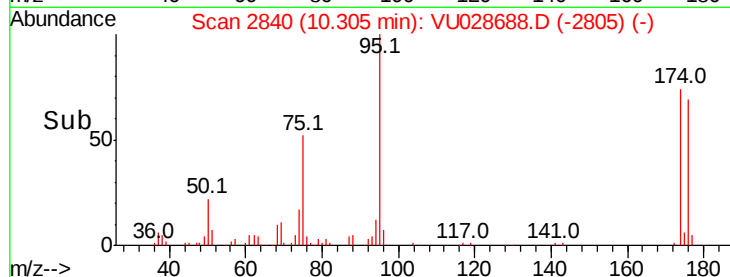
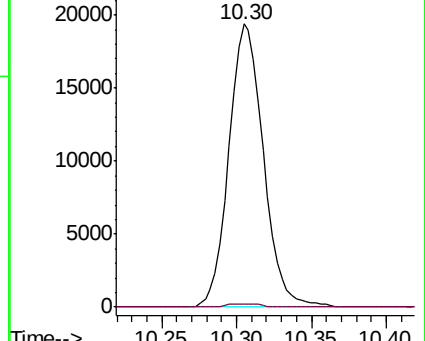
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 60.870 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028688.D

Acq: 14 Dec 2018 17:15

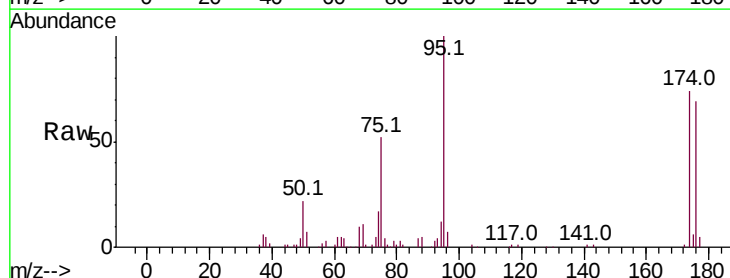
Tgt Ion: 75 Resp: 31109

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

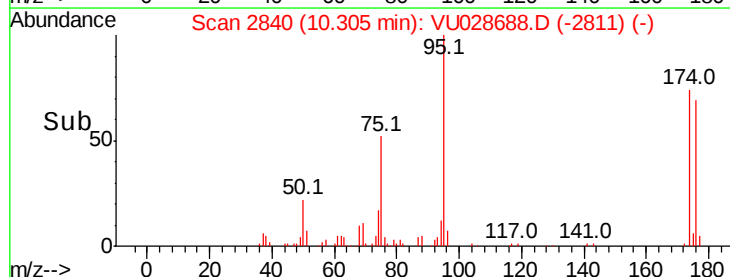
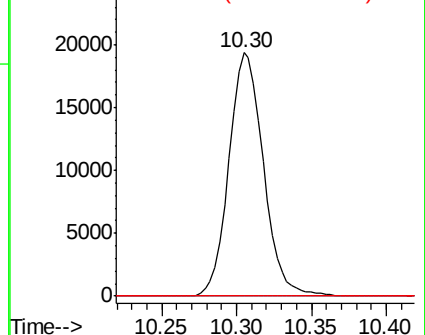
89 0.0 0.0 0.0

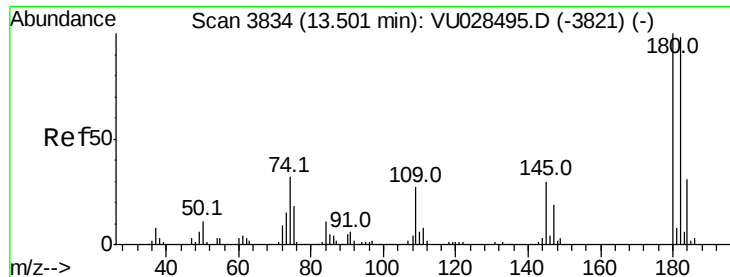


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

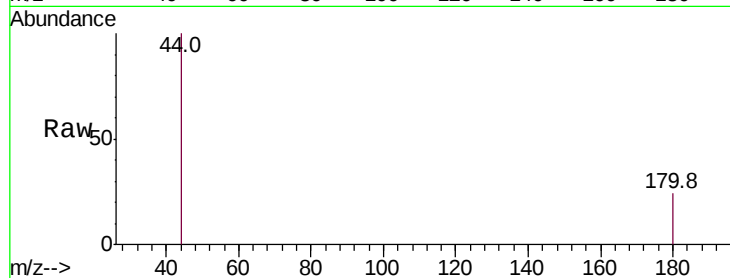




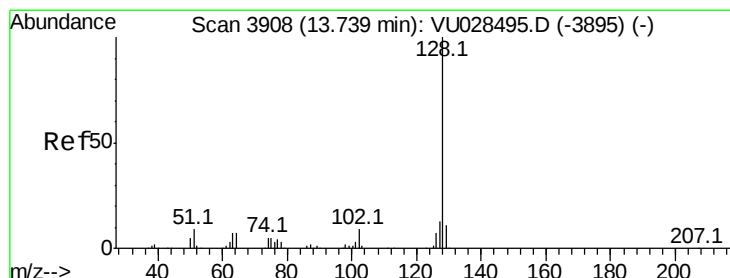
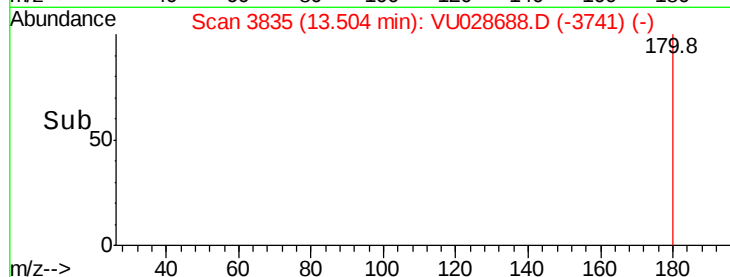
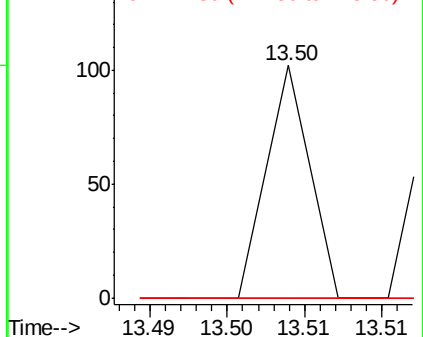
#93
 1,2,4-Trichlorobenzene
 Concen: 0.861 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028688.D
 Acq: 14 Dec 2018 17:15

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 20
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.8#
 145 0.0 15.0 45.1#

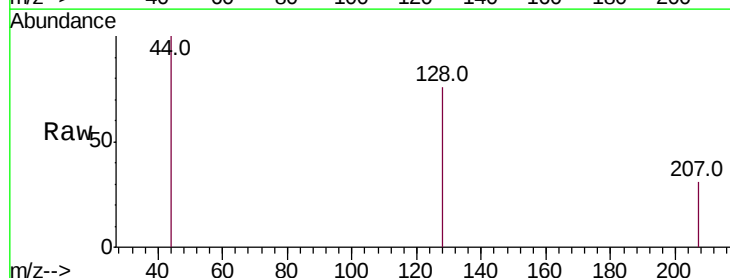


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

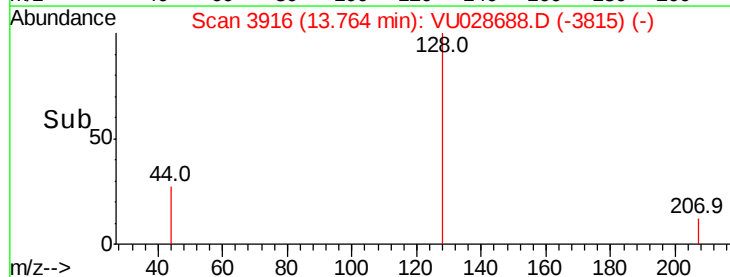
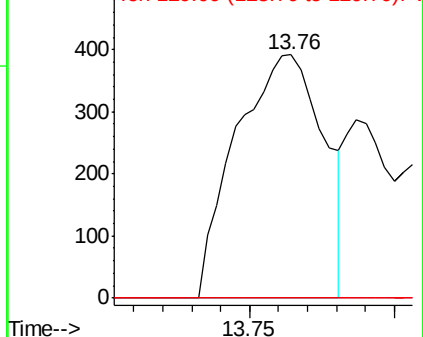


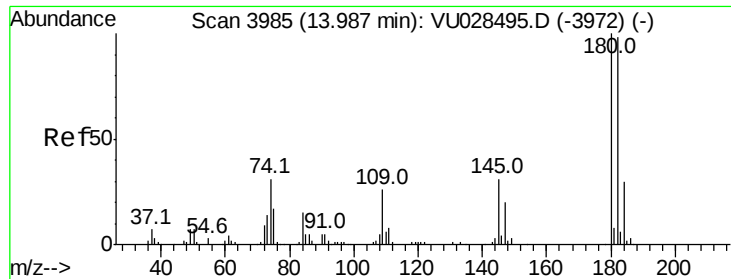
#95
 Naphthalene
 Concen: 0.206 ug/l
 RT: 13.76 min Scan# 3916
 Delta R.T. 0.03 min
 Lab File: VU028688.D
 Acq: 14 Dec 2018 17:15

Tgt Ion:128 Resp: 823
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.294 ug/l
 RT: 14.00 min Scan# 3990
 Delta R.T. 0.02 min
 Lab File: VU028688.D
 Acq: 14 Dec 2018 17:15

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 168
 Ion Ratio Lower Upper
 180 100
 182 77.4 48.2 144.6
 145 0.0 15.8 47.3#

