

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028727.D
 Acq On : 17 Dec 2018 17:55
 Operator : MD/SY
 Sample : J6393-08DL 4X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

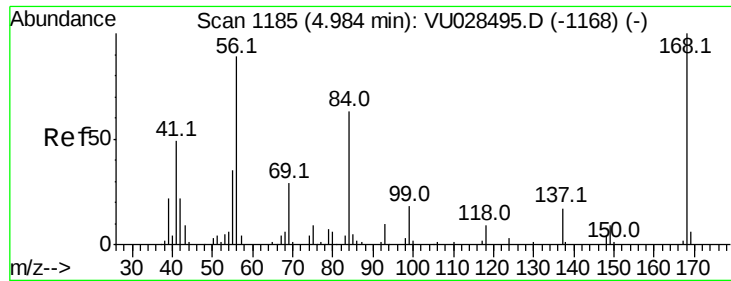
Quant Time: Dec 18 03:09:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	83422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	146795	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	129276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	50839	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	66614	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	4.88	113	49435	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
50) Toluene-d8	7.56	98	188923	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	10.31	95	61292	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	1595	0.776	ug/l	100
11) Tert butyl alcohol	2.83	59	335	1.181	ug/l #	73
16) Acetone	2.32	43	355	0.427	ug/l #	44
18) Methyl Acetate	2.62	43	1250	0.580	ug/l #	56
27) cis-1,2-Dichloroethene	4.23	96	11700	9.885	ug/l	89
31) Cyclohexane	4.98	56	1983	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7337	4.567	ug/l #	50
38) Carbon Tetrachloride	4.98	117	8113	6.266	ug/l #	15
44) Trichloroethene	6.18	130	10457	9.941	ug/l	100
51) 4-Methyl-2-Pentanone	7.56	43	1022	0.493	ug/l #	1
55) 1,1,2-Trichloroethane	8.22	97	448	0.407	ug/l #	1
60) Dibromochloromethane	8.22	129	55888	51.864	ug/l #	10
64) Tetrachloroethene	8.22	164	57432	66.603	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	31828	24.517	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	31828	60.172	ug/l #	100
83) tert-Butylbenzene	11.10	119	933	0.300	ug/l	81
91) 1,2-Dichlorobenzene	11.88	146	495	0.287	ug/l	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028727.D

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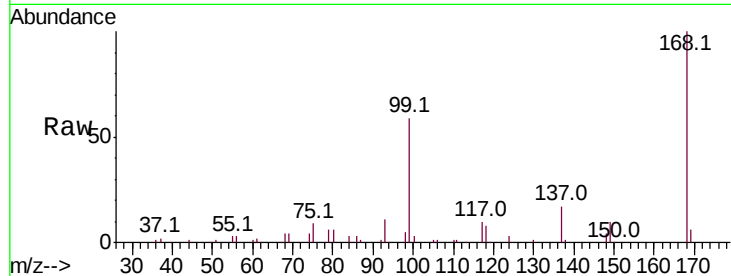
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 83422

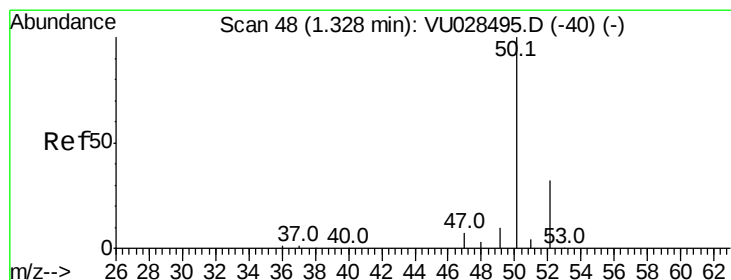
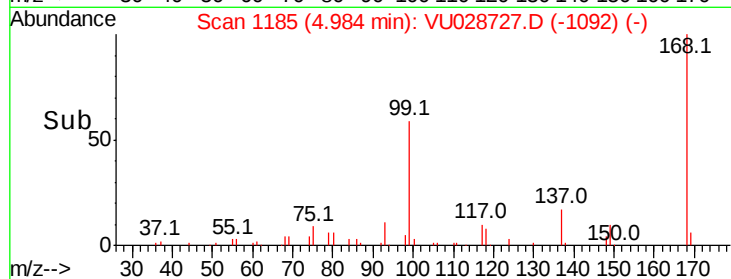
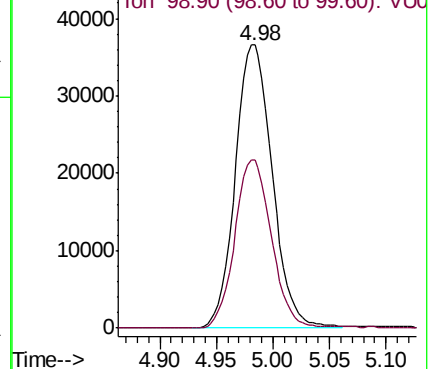
Ion Ratio Lower Upper

168 100

99 59.3 46.6 69.8



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



#3

Chloromethane

Concen: 0.776 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028727.D

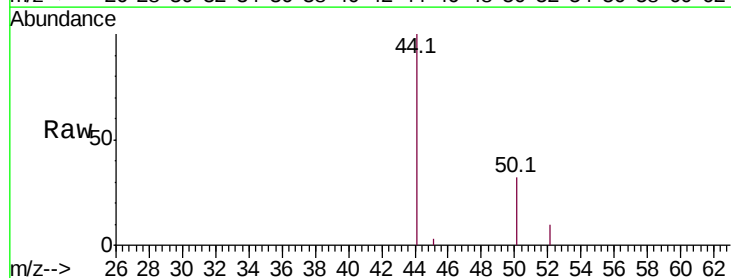
Acq: 17 Dec 2018 17:55

Tgt Ion: 50 Resp: 1595

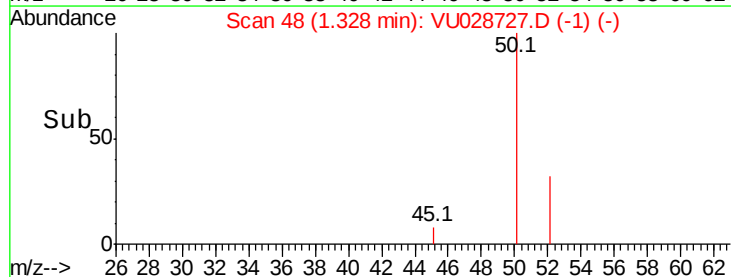
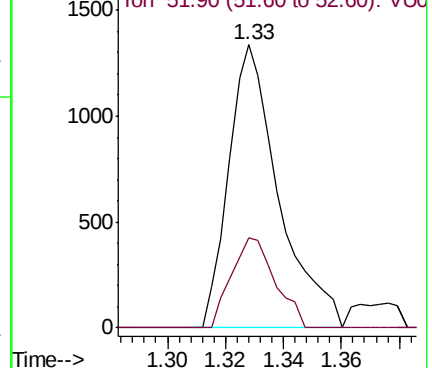
Ion Ratio Lower Upper

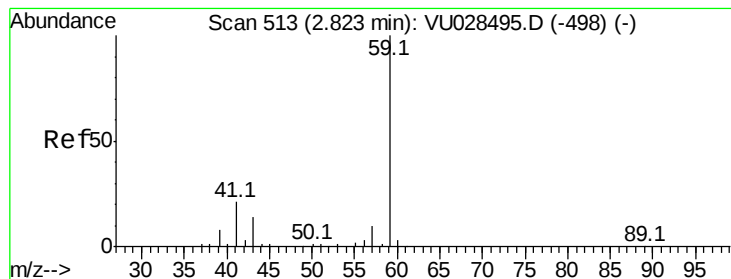
50 100

52 32.0 25.5 38.3



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



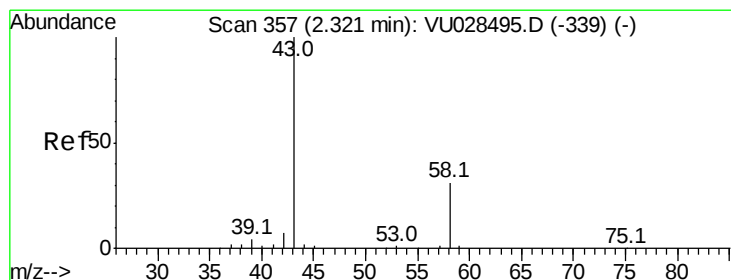
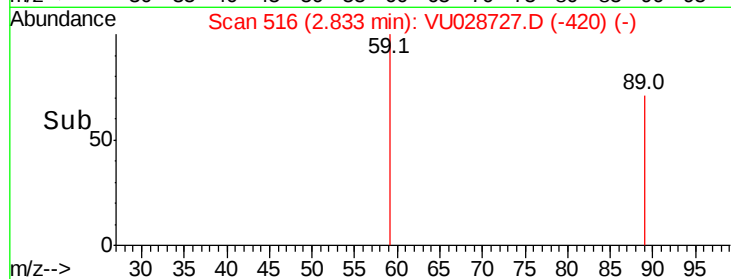
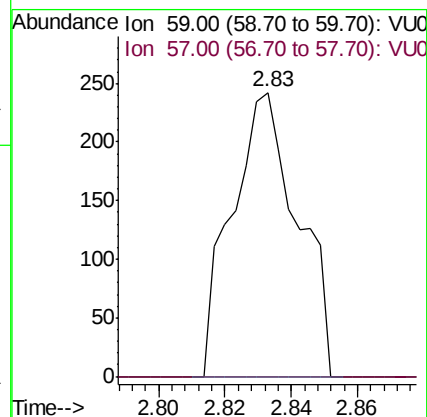
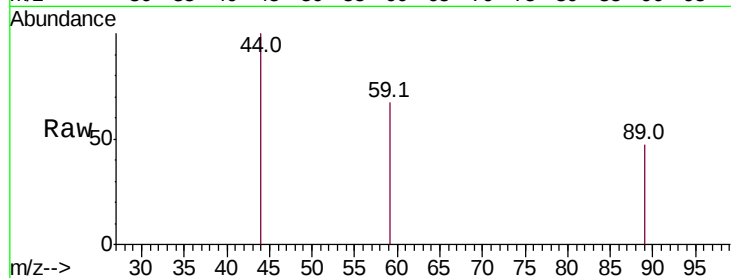


#11

Tert butyl alcohol
 Concen: 1.181 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028727.D
 Acq: 17 Dec 2018 17:55

Instrument :
 MSVOA_U
 ClientSampled :

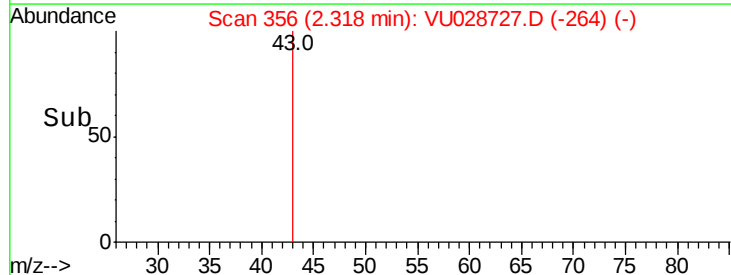
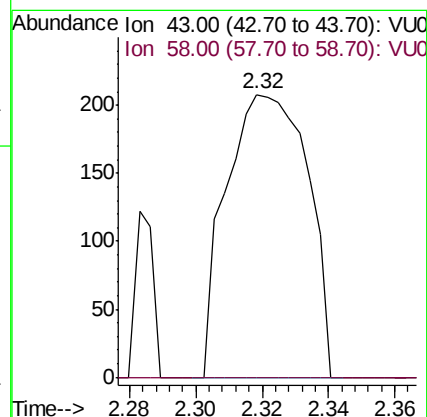
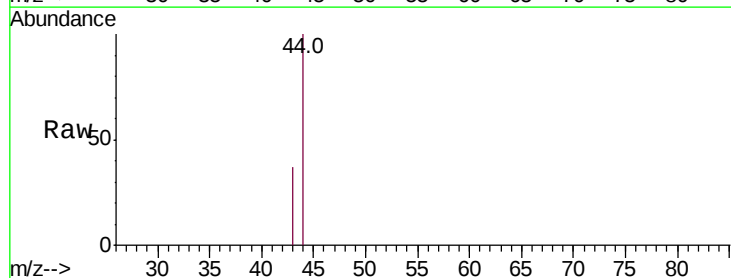
Tot Ion: 59 Resp: 335
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

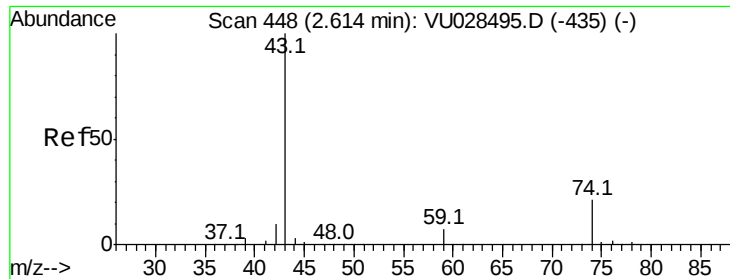


#16

Acetone
 Concen: 0.427 ug/l
 RT: 2.32 min Scan# 356
 Delta R.T. -0.00 min
 Lab File: VU028727.D
 Acq: 17 Dec 2018 17:55

Tgt Ion: 43 Resp: 355
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.6 37.0#

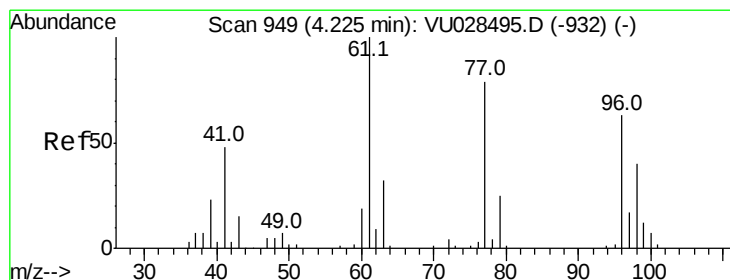
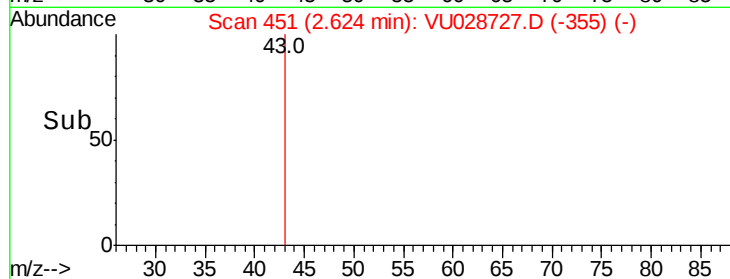
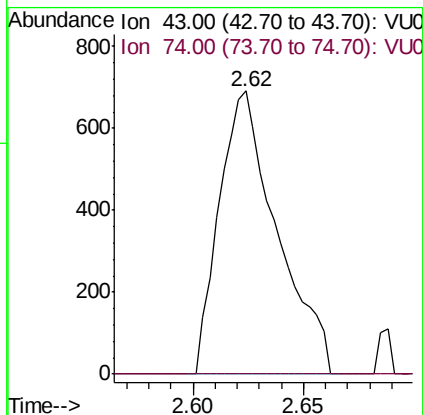
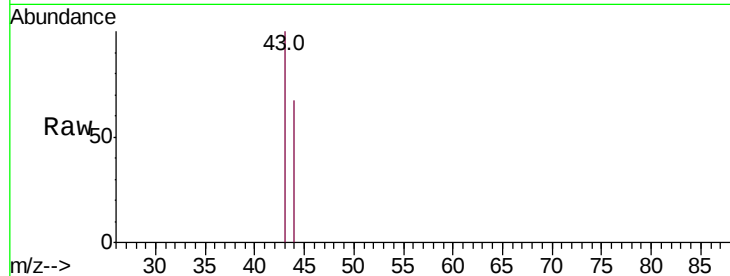




#18
Methvl Acetate
Concen: 0.580 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028727.D
Acq: 17 Dec 2018 17:55

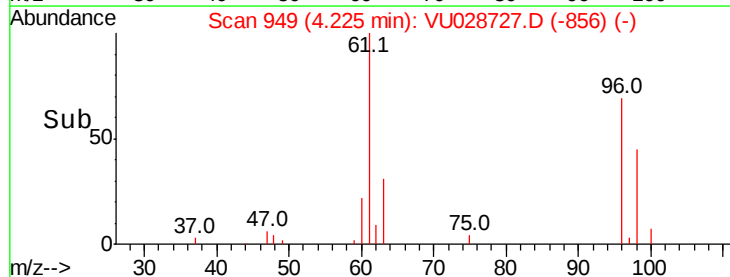
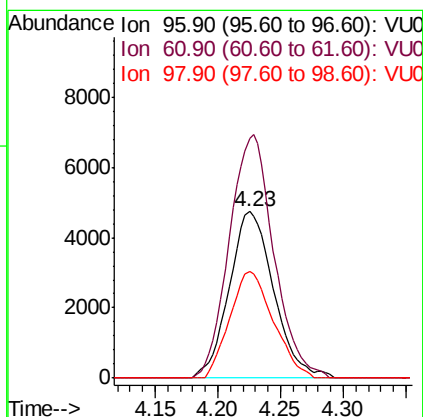
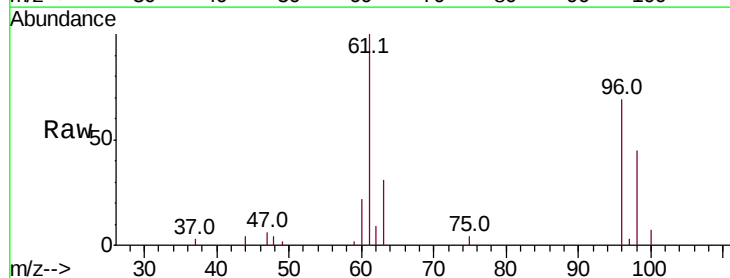
Instrument :
MSVOA_U
ClientSampleId :

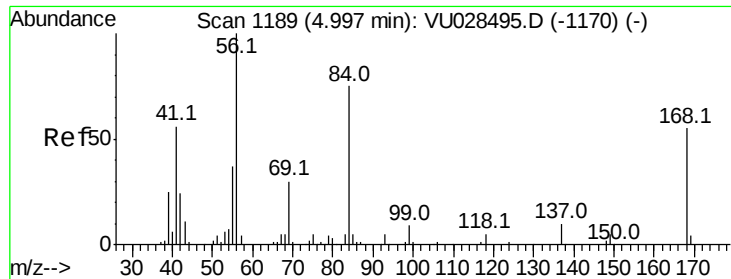
Tot Ion: 43 Resp: 1250
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#27
cis-1,2-Dichloroethene
Concen: 9.885 ug/l
RT: 4.23 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028727.D
Acq: 17 Dec 2018 17:55

Tgt Ion: 96 Resp: 11700
Ion Ratio Lower Upper
96 100
61 146.0 0.0 332.4
98 62.6 0.0 129.0

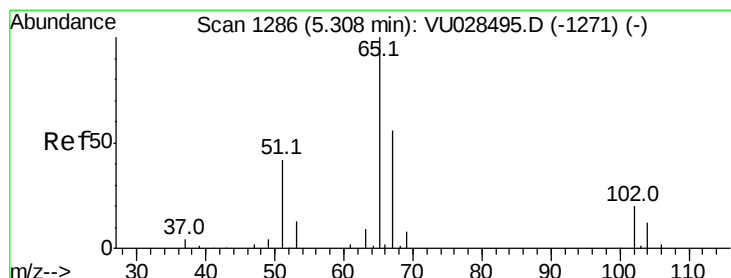
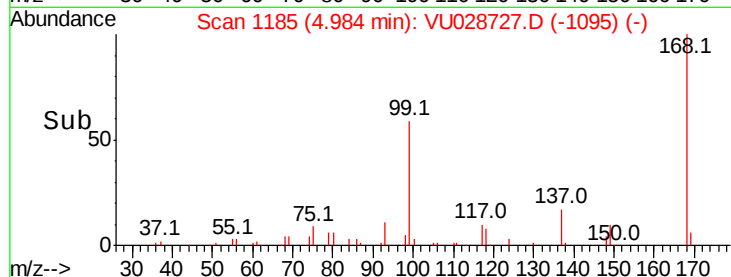
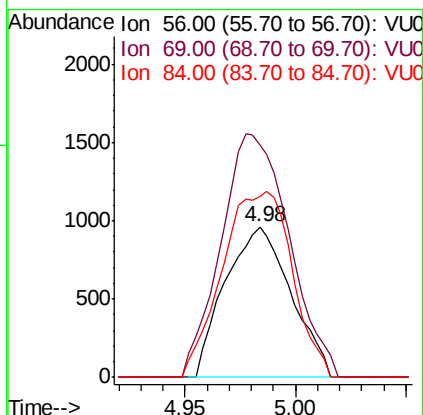
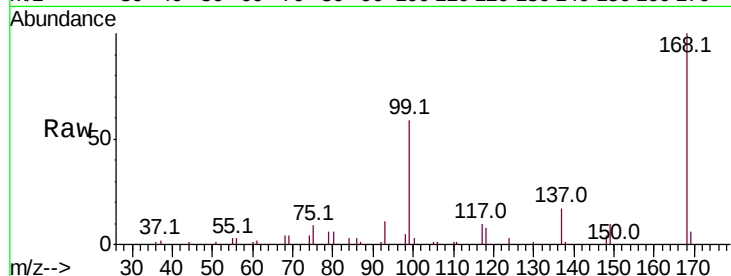




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028727.D
Acq: 17 Dec 2018 17:55

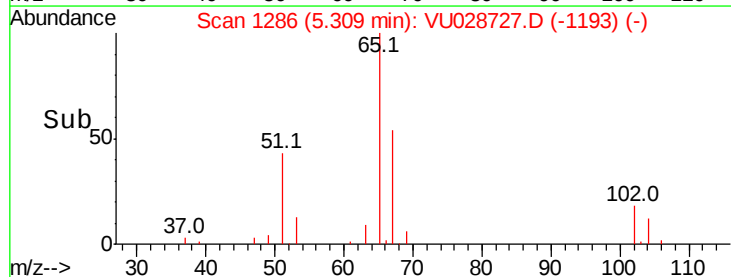
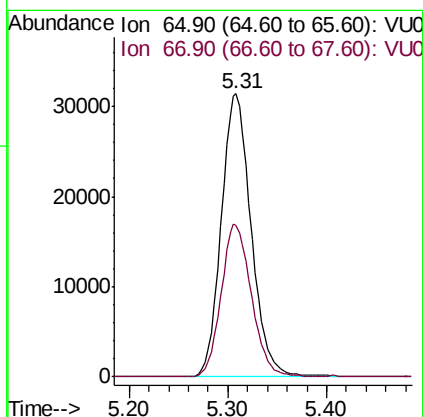
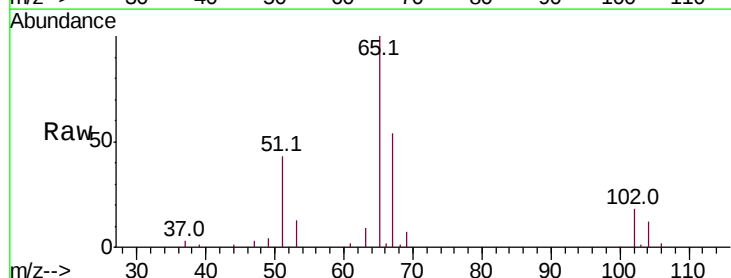
Instrument :
MSVOA_U
ClientSampled :

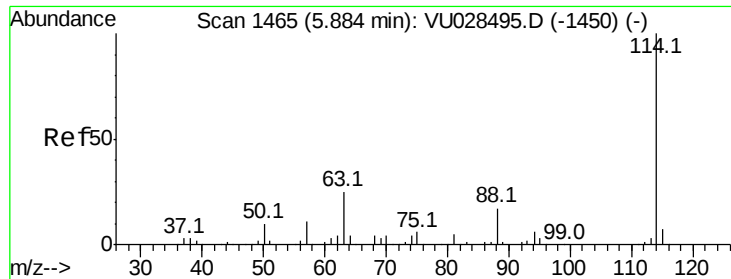
Tot Ion	Ratio	Lower	Upper
56	100		
69	154.7	24.0	36.0#
84	120.9	59.7	89.5#



#33
1,2-Dichloroethane-d4
Concen: 52.325 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028727.D
Acq: 17 Dec 2018 17:55

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.5	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: VU028727.D

Acq: 17 Dec 2018 17:55

Instrument :

MSVOA_U

ClientSampleId :

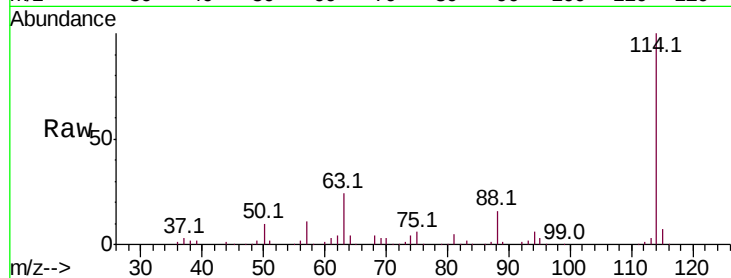
Tot Ion:114 Resp: 146795

Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.2

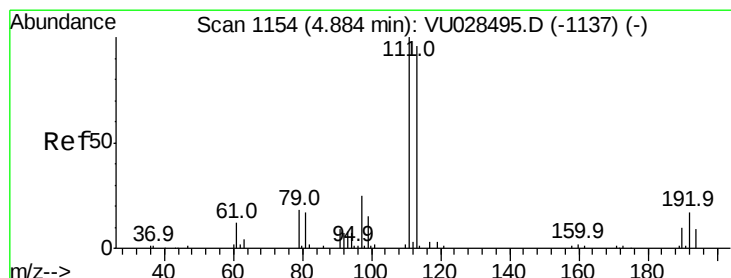
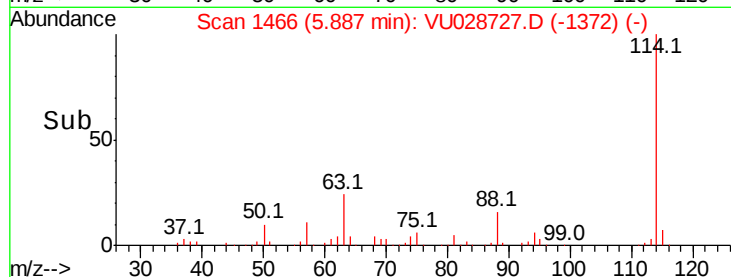
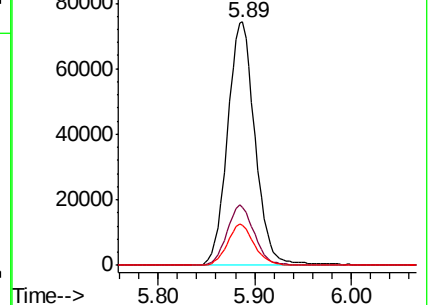
88 16.4 0.0 33.4



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: 53.513 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028727.D

Acq: 17 Dec 2018 17:55

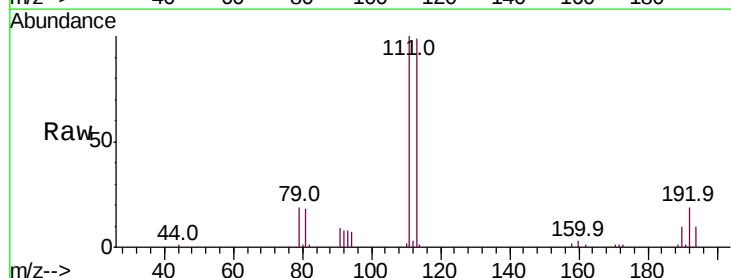
Tgt Ion:113 Resp: 49435

Ion Ratio Lower Upper

113 100

111 105.0 83.4 125.0

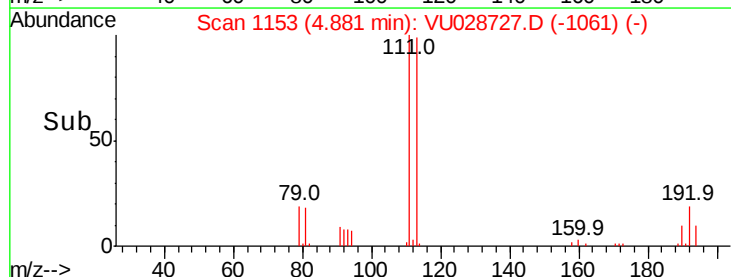
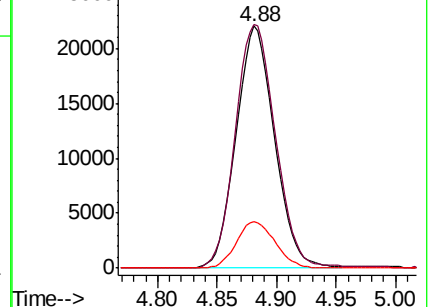
192 19.2 14.8 22.2

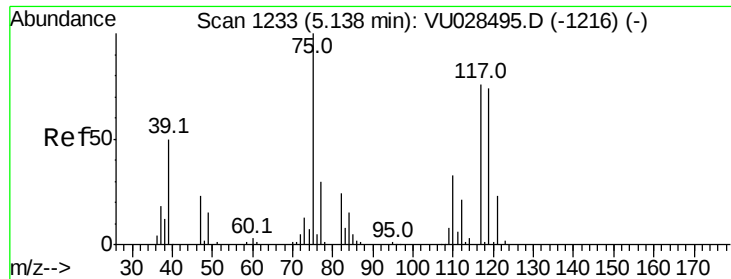


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

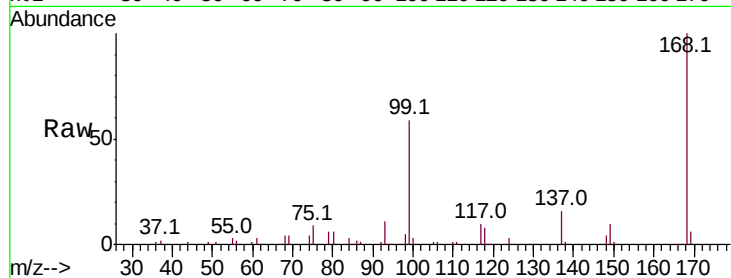




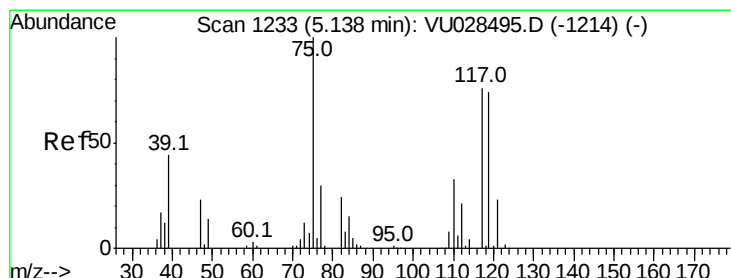
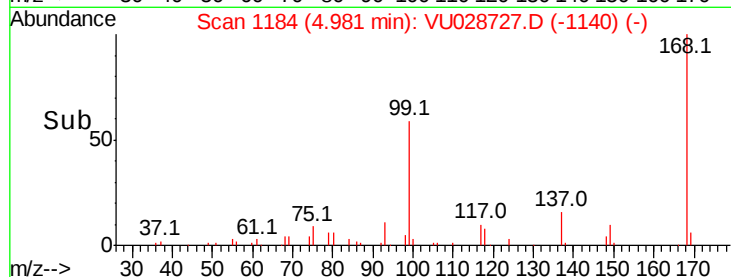
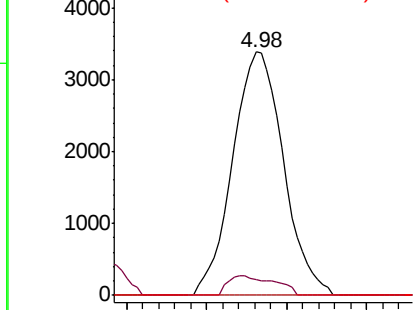
#36
 1,1-Dichloropropene
 Concen: 4.567 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028727.D
 Acq: 17 Dec 2018 17:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.4	16.1	48.2#
77	0.0	24.5	36.7#

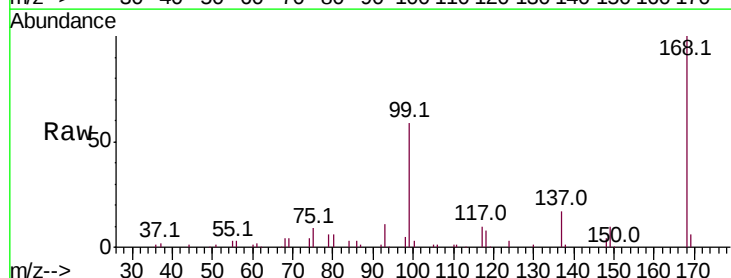


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

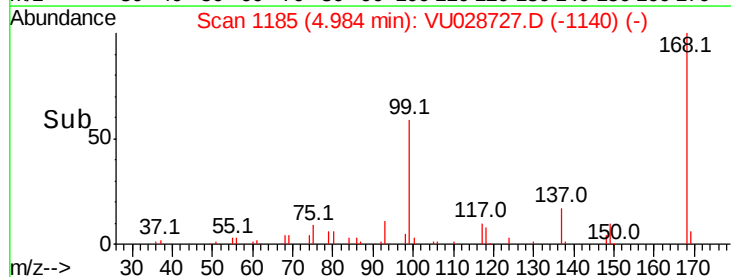
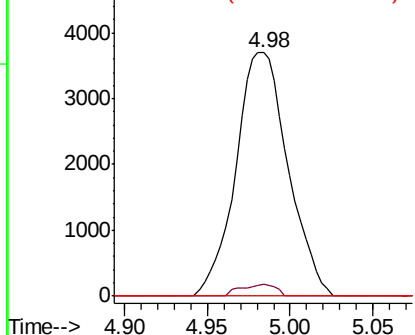


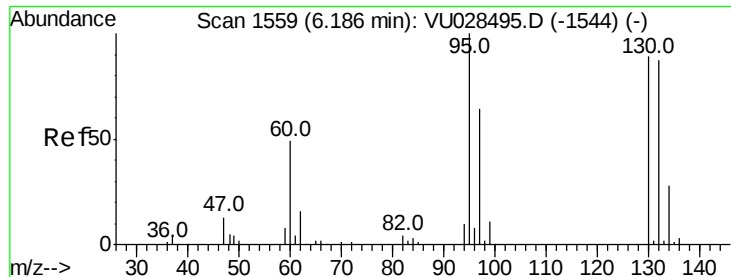
#38
 Carbon Tetrachloride
 Concen: 6.266 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028727.D
 Acq: 17 Dec 2018 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	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

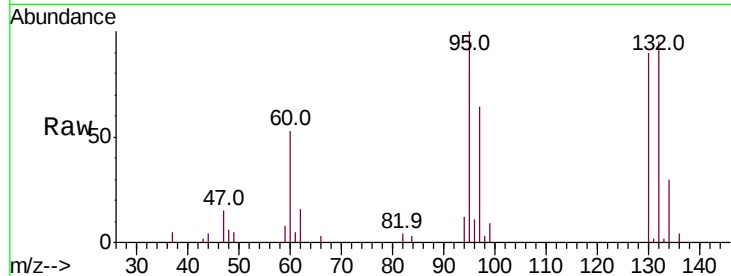




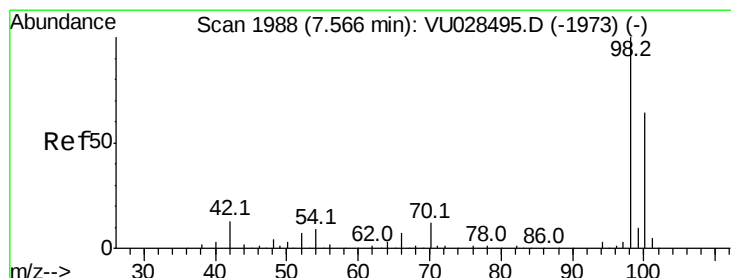
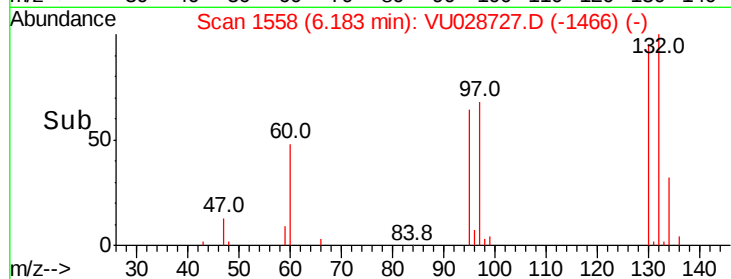
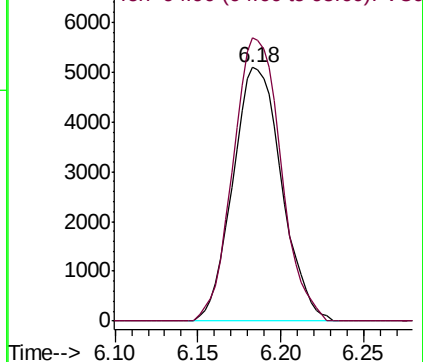
#44
 Trichloroethene
 Concen: 9.941 ug/l
 RT: 6.18 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VU028727.D
 Acq: 17 Dec 2018 17:55

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:130 Resp: 10457
 Ion Ratio Lower Upper
 130 100
 95 111.5 0.0 224.0

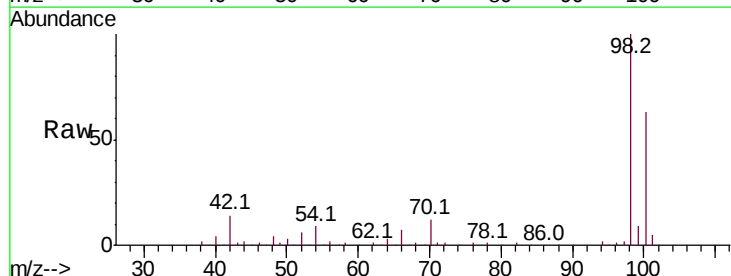


Abundance Ion 129.80 (129.50 to 130.50): VU028727.D (-1544) (-)
 Ion 94.90 (94.60 to 95.60): VU028727.D (-1544) (-)

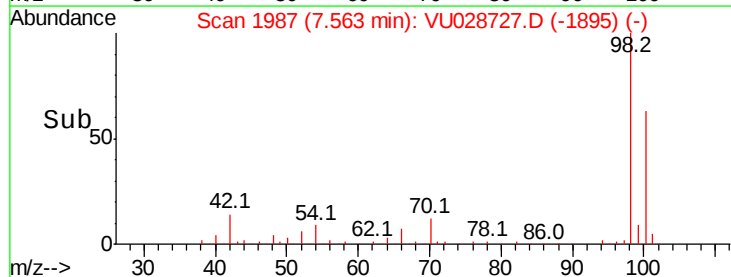
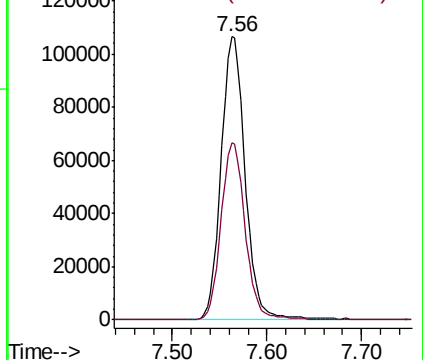


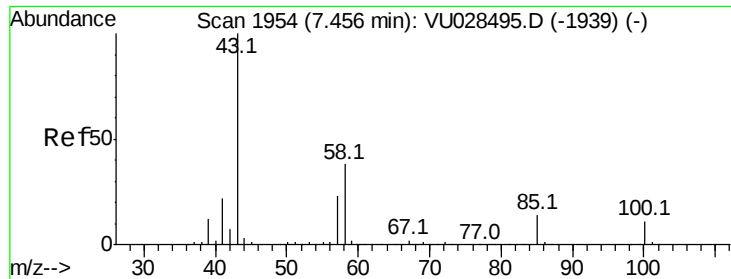
#50
 Toluene-d8
 Concen: 51.698 ug/l
 RT: 7.56 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VU028727.D
 Acq: 17 Dec 2018 17:55

Tgt Ion: 98 Resp: 188923
 Ion Ratio Lower Upper
 98 100
 100 62.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028727.D (-1895) (-)
 Ion 100.00 (99.70 to 100.70): VU028727.D (-1895) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.493 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028727.D

Acq: 17 Dec 2018 17:55

Instrument :

MSVOA_U

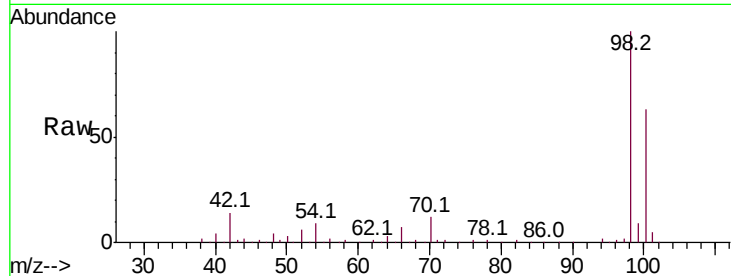
ClientSampled :

Tot Ion: 43 Resp: 1022

Ion Ratio Lower Upper

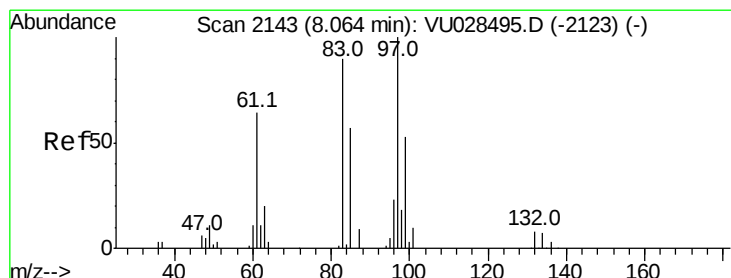
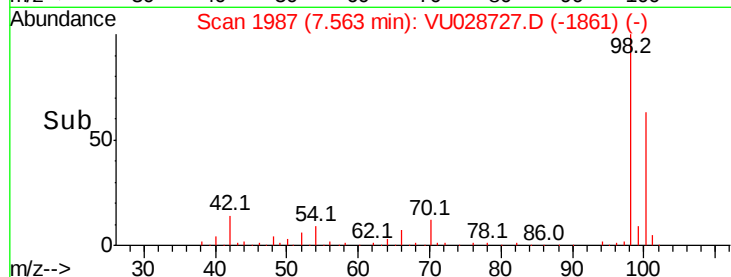
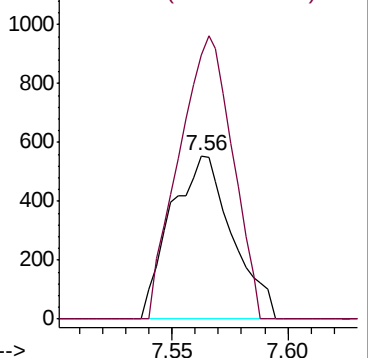
43 100

58 150.9 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#55

1,1,2-Trichloroethane

Concen: 0.407 ug/l

RT: 8.22 min Scan# 2192

Delta R.T. 0.16 min

Lab File: VU028727.D

Acq: 17 Dec 2018 17:55

Tgt Ion: 97 Resp: 448

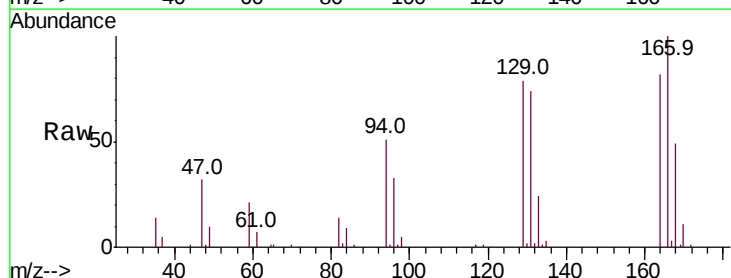
Ion Ratio Lower Upper

97 100

83 250.0 72.4 108.6#

85 0.0 46.0 69.0#

99 0.0 47.4 71.2#

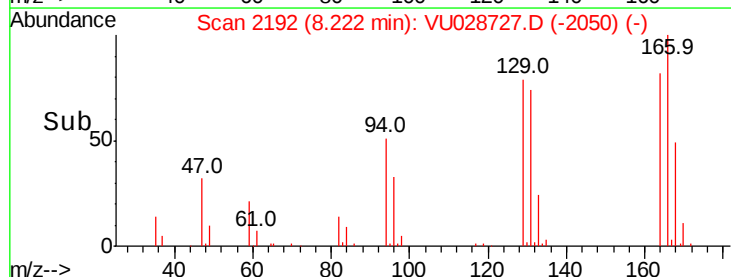
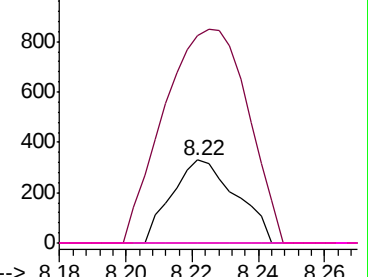


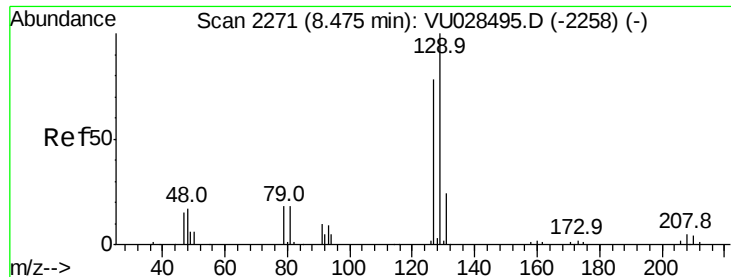
Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0





#60

Dibromochloromethane

Concen: 51.864 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028727.D

Acq: 17 Dec 2018 17:55

Instrument :

MSVOA_U

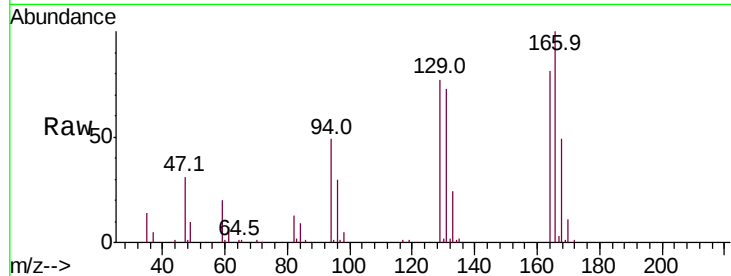
ClientSampled :

Tot Ion:129 Resp: 55888

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

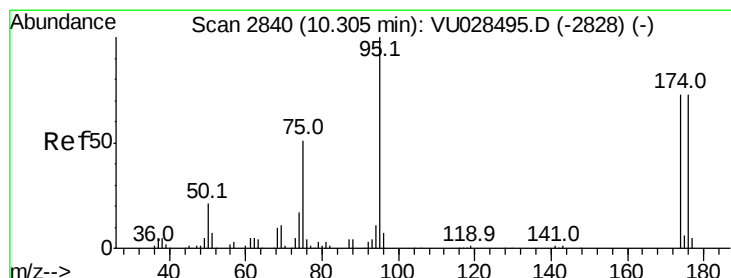
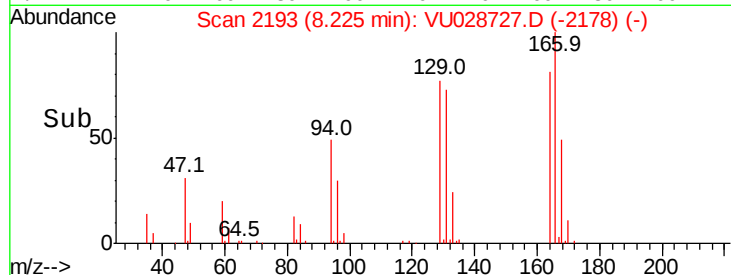
20000

10000

0

Time-->

8.15 8.20 8.25 8.30 8.35



#62

4-Bromofluorobenzene

Concen: 44.874 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028727.D

Acq: 17 Dec 2018 17:55

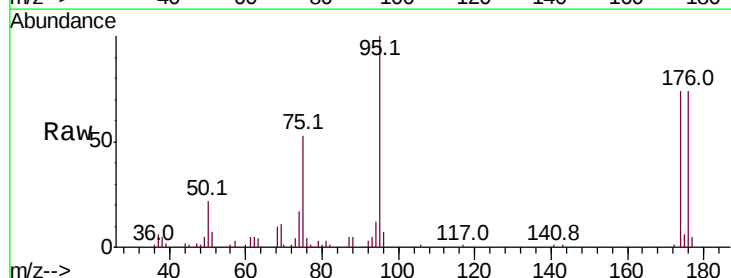
Tgt Ion: 95 Resp: 61292

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.4

176 74.3 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

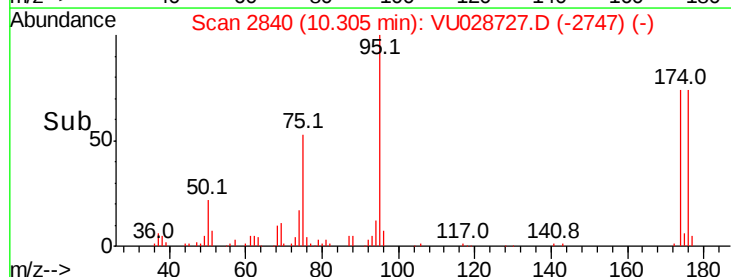
20000

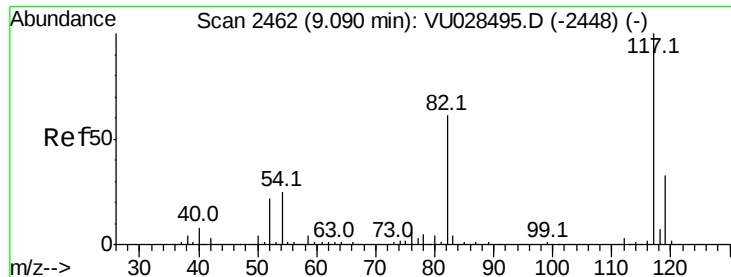
10000

0

Time-->

10.30 10.40

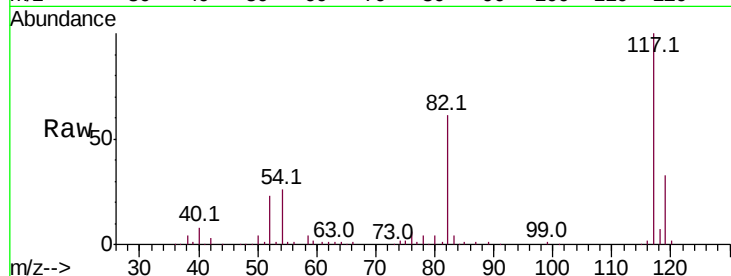




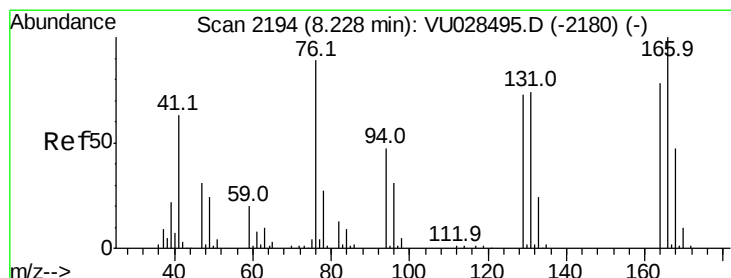
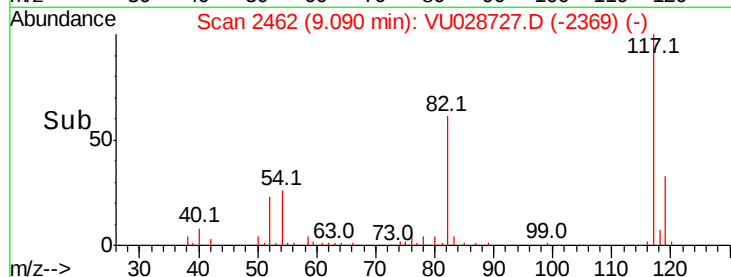
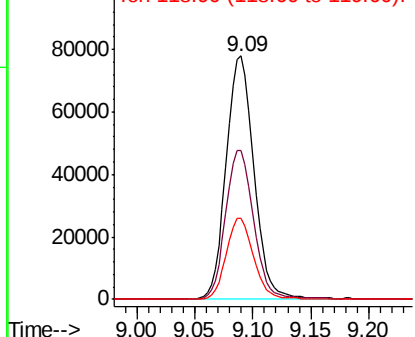
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028727.D
Acq: 17 Dec 2018 17:55

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 129276
Ion Ratio Lower Upper
117 100
82 61.0 48.9 73.3
119 33.4 26.2 39.4

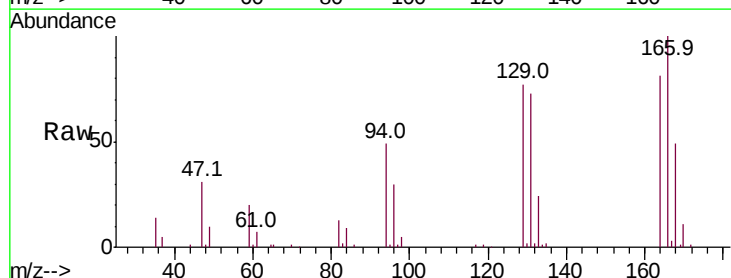


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

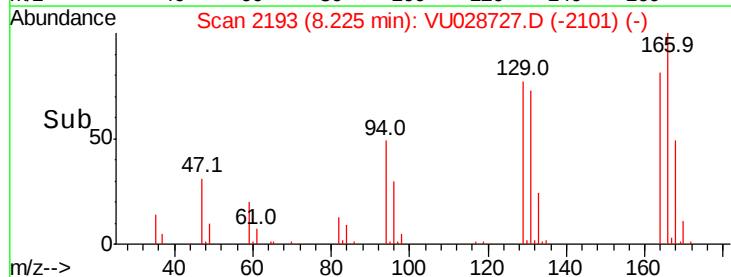
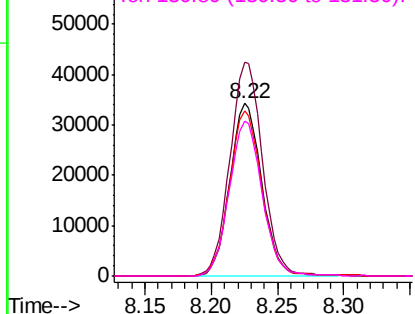


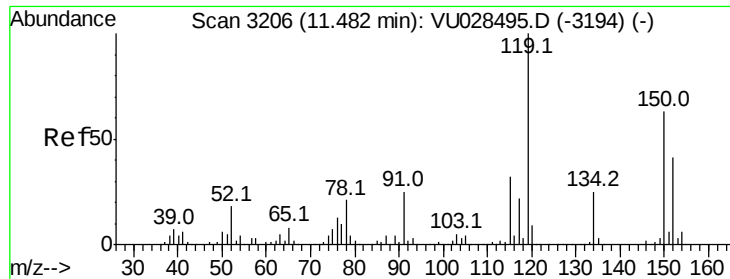
#64
Tetrachloroethene
Concen: 66.603 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028727.D
Acq: 17 Dec 2018 17:55

Tgt Ion:164 Resp: 57432
Ion Ratio Lower Upper
164 100
166 123.9 101.9 152.9
129 95.4 74.9 112.3
131 90.1 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: VU028727.D

Acq: 17 Dec 2018 17:55

Instrument :

MSVOA_U

ClientSampleId :

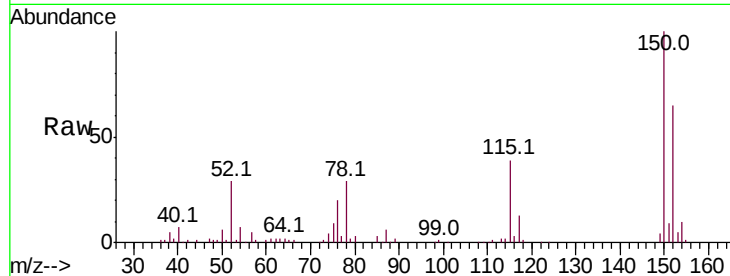
Tot Ion:152 Resp: 50839

Ion Ratio Lower Upper

152 100

115 60.6 42.7 128.1

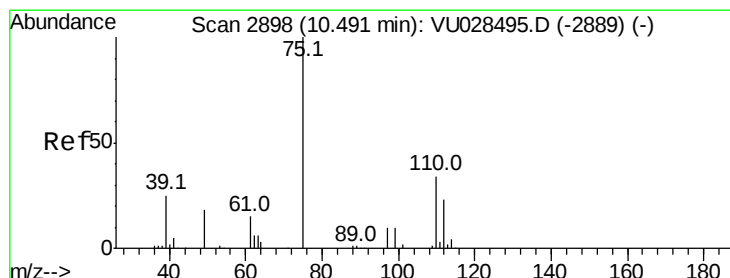
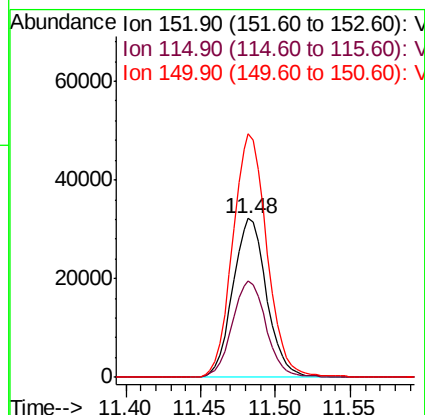
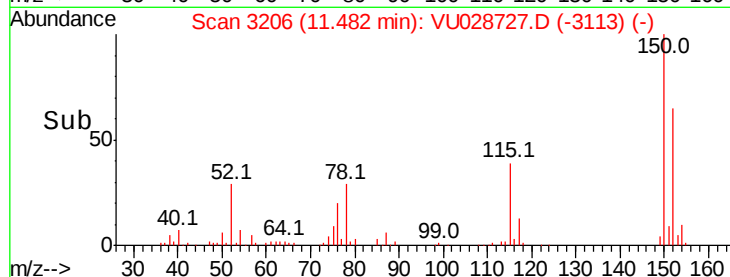
150 155.0 0.0 346.0



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: 24.517 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028727.D

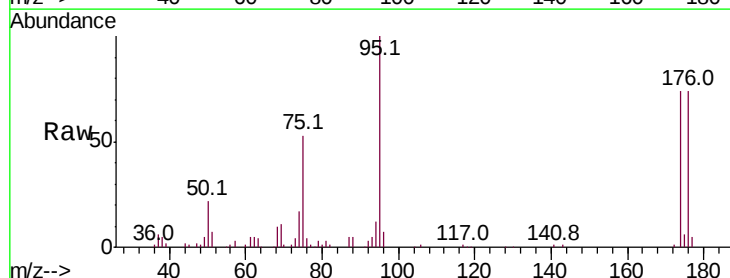
Acq: 17 Dec 2018 17:55

Tgt Ion: 75 Resp: 31828

Ion Ratio Lower Upper

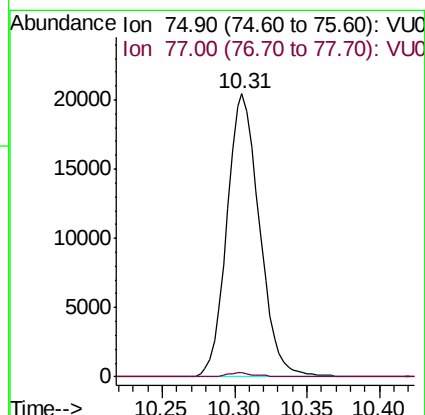
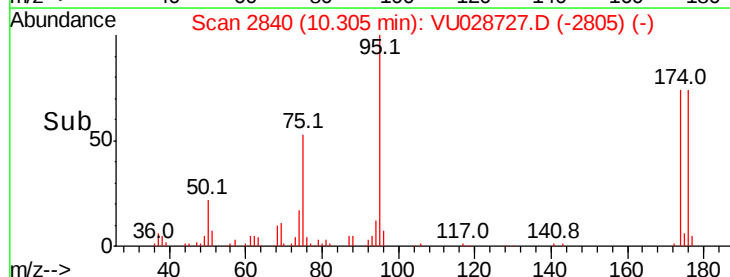
75 100

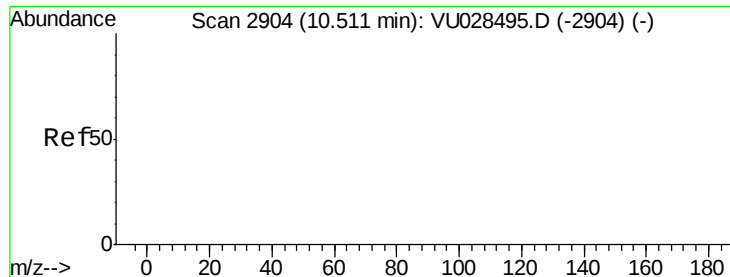
77 1.2 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

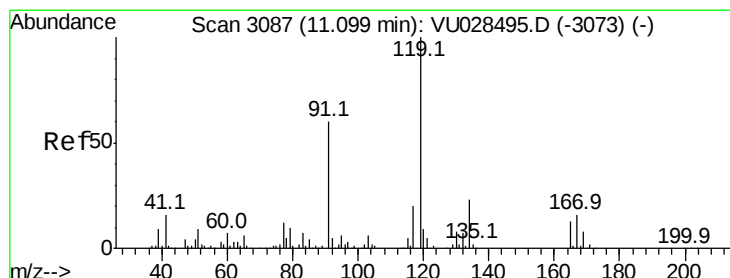
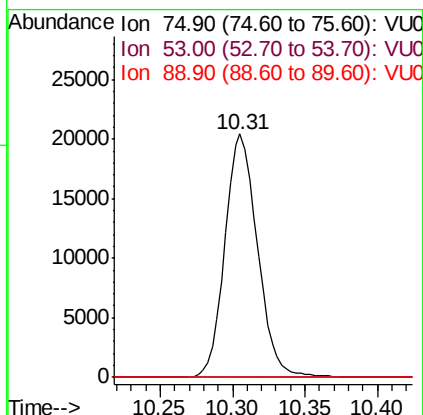
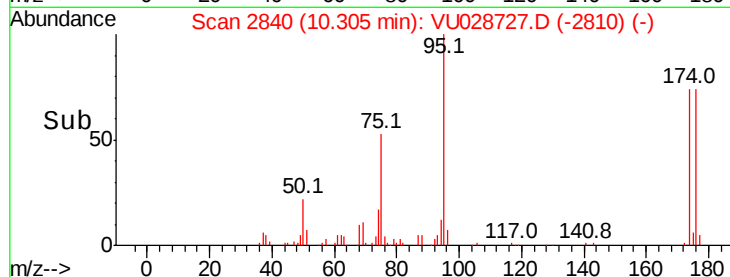
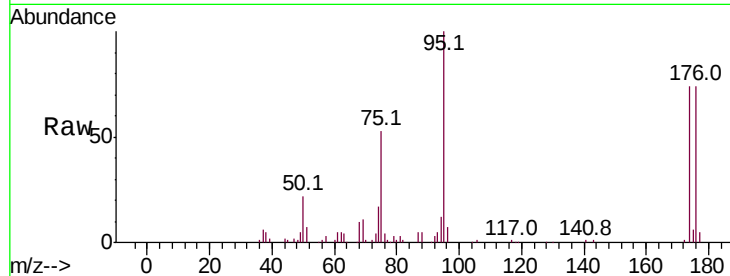




#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.172 ug/l
 RT: 10.31 min Scan# 2840
 Delta R.T. -0.20 min
 Lab File: VU028727.D
 Acq: 17 Dec 2018 17:55

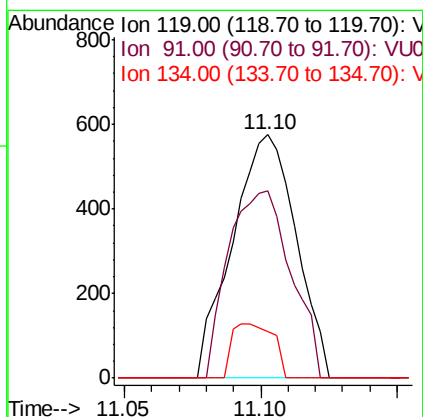
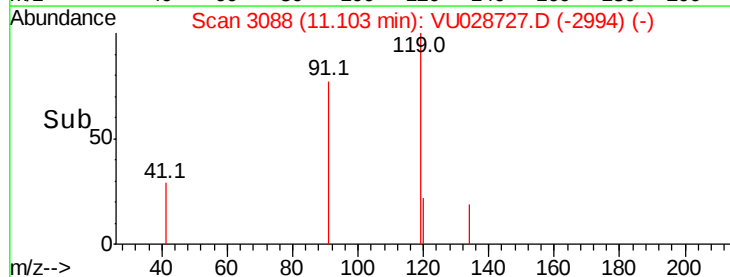
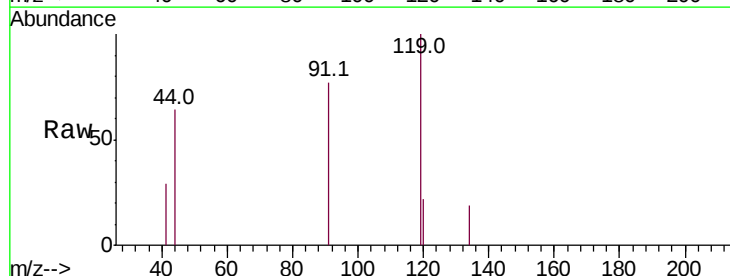
Instrument :
 MSVOA_U
 ClientSampleId :

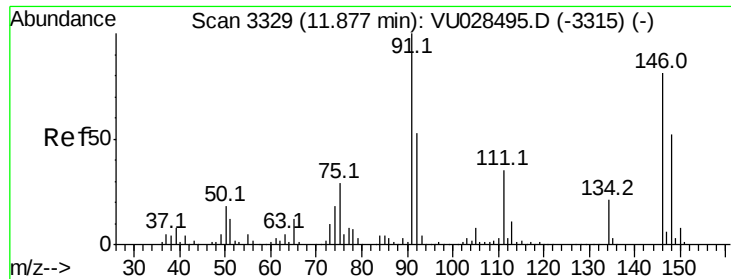
Tot Ion: 75 Resp: 31828
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0



#83
 tert-Butylbenzene
 Concen: 0.300 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU028727.D
 Acq: 17 Dec 2018 17:55

Tgt Ion: 119 Resp: 933
 Ion Ratio Lower Upper
 119 100
 91 76.0 30.3 91.0
 134 14.5 11.2 33.5





#91
 1,2-Dichlorobenzene
 Concen: 0.287 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.01 min
 Lab File: VU028727.D
 Acq: 17 Dec 2018 17:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	21.1	63.4
148	48.1	31.4	94.2

