

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028729.D
 Acq On : 17 Dec 2018 18:44
 Operator : MD/SY
 Sample : J6411-19
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:10:12 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	80527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	143083	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	131638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	58524	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	65888	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
35) Dibromofluoromethane	4.88	113	48873	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	
50) Toluene-d8	7.57	98	189281	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
62) 4-Bromofluorobenzene	10.30	95	64864	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	930	0.469	ug/l #	67
11) Tert butyl alcohol	2.83	59	1382	5.048	ug/l #	73
16) Acetone	2.32	43	4557	5.683	ug/l	98
18) Methyl Acetate	2.62	43	1074	0.517	ug/l #	60
25) 2-Butanone	4.29	43	1421	1.297	ug/l	93
36) 1,1-Dichloropropene	4.98	75	7258	4.636	ug/l #	48
37) Ethyl Acetate	4.29	43	1421	0.702	ug/l #	70
38) Carbon Tetrachloride	4.98	117	7942	6.293	ug/l #	15
39) Methylcyclohexane	6.41	83	4274	2.237	ug/l	96
55) 1,1,2-Trichloroethane	8.04	97	5612	5.231	ug/l #	18
56) Ethyl methacrylate	8.05	69	1298	0.707	ug/l #	1
59) 2-Hexanone	8.17	43	3446	2.153	ug/l	66
60) Dibromochloromethane	8.22	129	434	0.413	ug/l #	10
64) Tetrachloroethene	8.23	164	515	0.587	ug/l #	88
67) Ethyl Benzene	9.25	91	23359	4.530	ug/l	100
68) m/p-Xylenes	9.38	106	28608	15.247	ug/l	98
69) o-Xylene	9.78	106	1361	0.746	ug/l	67
73) Isopropylbenzene	10.17	105	954042	212.446	ug/l	100
74) N-amyl acetate	9.95	43	13041	5.034	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	10.49	83	8720	5.055	ug/l #	37
76) 1,2,3-Trichloropropane	10.59	75	13282	8.888	ug/l #	1
78) n-propylbenzene	10.59	91	2212543	396.500	ug/l	99
79) 2-Chlorotoluene	10.59	91	2212543	688.340	ug/l #	43
80) 1,3,5-Trimethylbenzene	10.70	105	150042	40.363	ug/l	72
81) trans-1,4-Dichloro-2-buten	10.59	75	13282	22.147	ug/l #	100
82) 4-Chlorotoluene	10.59	91	2212543	580.871	ug/l #	47
83) tert-Butylbenzene	11.10	119	79318	22.137	ug/l	88
84) 1,2,4-Trimethylbenzene	11.15	105	1873513	489.040	ug/l	99
85) sec-Butylbenzene	11.32	105	465819	101.200	ug/l	100
86) p-Isopropyltoluene	11.48	119	35259	9.018	ug/l	98
87) 1,3-Dichlorobenzene	11.51	146	815	0.411	ug/l #	67
88) 1,4-Dichlorobenzene	11.51	146	815	0.397	ug/l #	68
89) n-Butylbenzene	11.89	91	235830	59.596	ug/l #	81
90) Hexachloroethane	12.25	117	74875	126.693	ug/l #	11

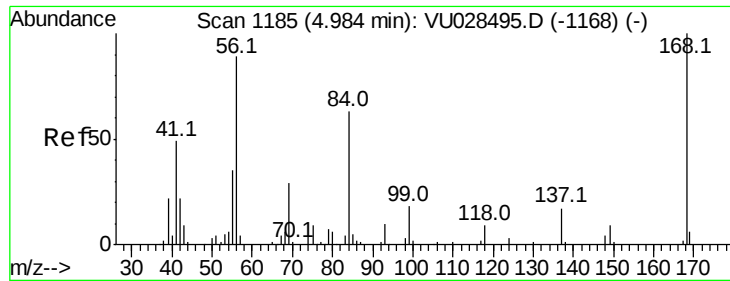
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121718\
Data File : VU028729.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	12.65	75	2957	7.917	ug/l #	6
95) Naphthalene	13.74	128	9984	2.097	ug/l #	95

(#) = 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: VU028729.D

Acq: 17 Dec 2018 18:44

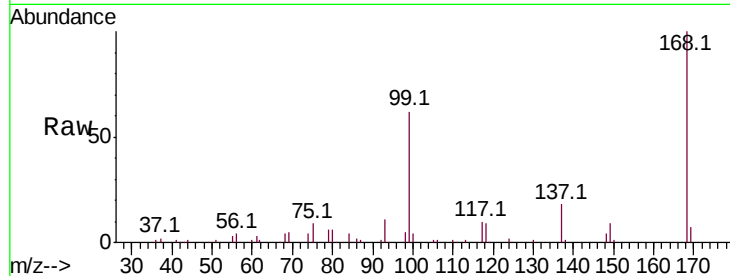
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 80527

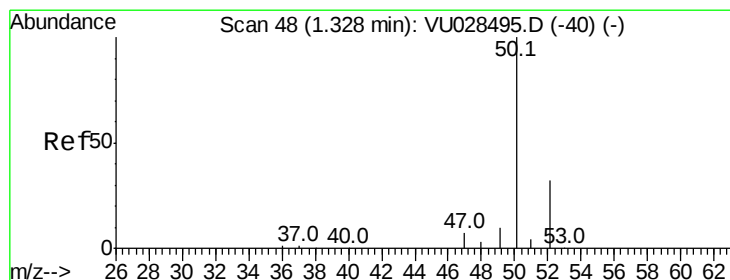
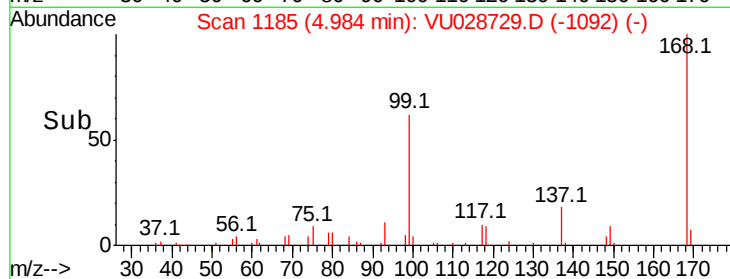
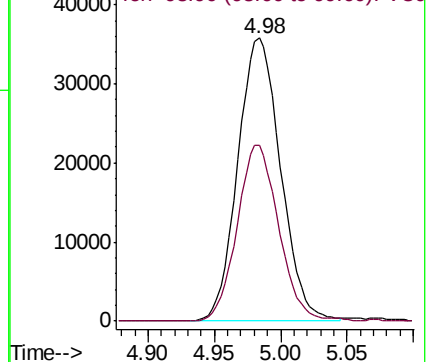
Ion Ratio Lower Upper

168 100

99 61.9 46.6 69.8



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



#3

Chloromethane

Concen: 0.469 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028729.D

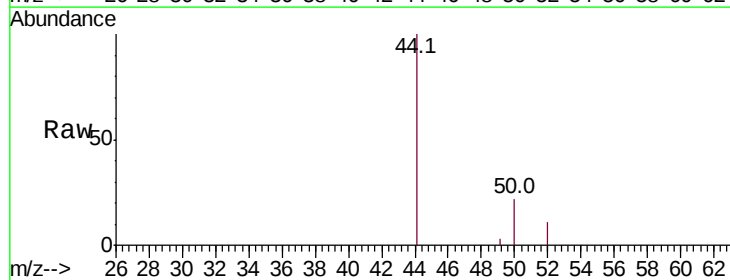
Acq: 17 Dec 2018 18:44

Tgt Ion: 50 Resp: 930

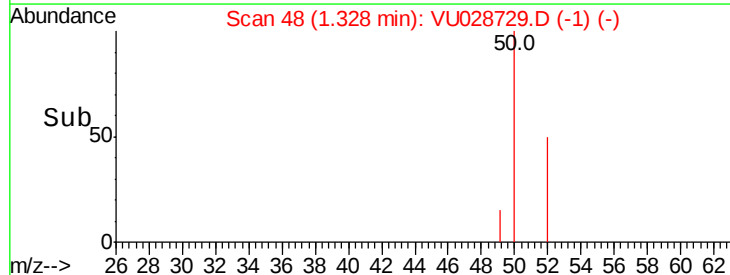
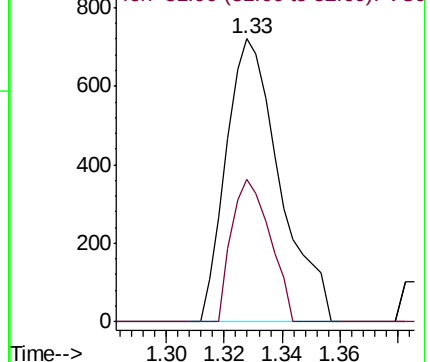
Ion Ratio Lower Upper

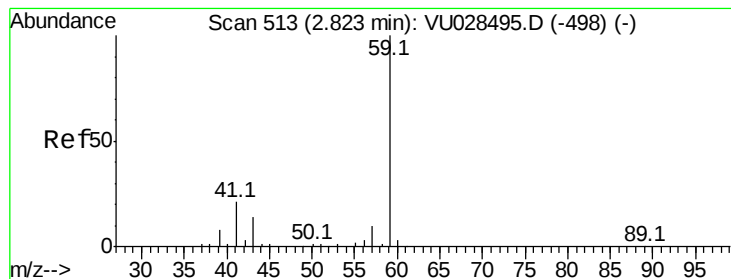
50 100

52 50.2 25.5 38.3#



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



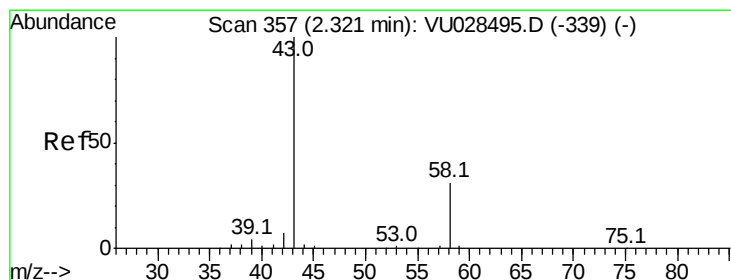
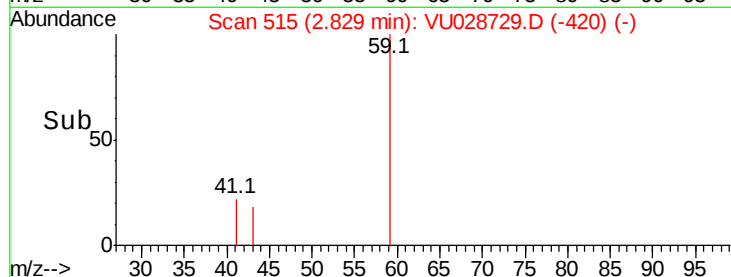
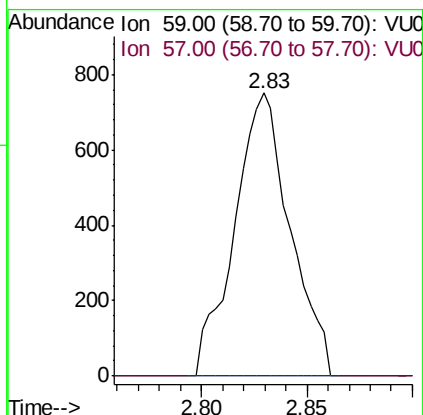
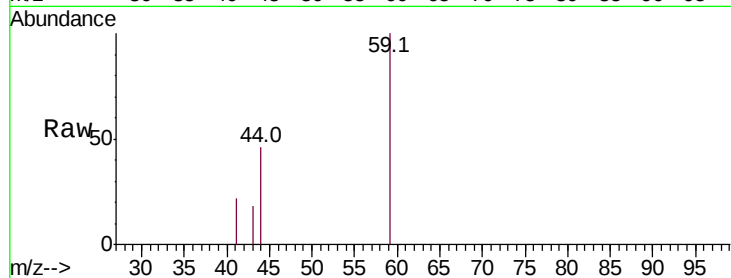


#11

Tert butyl alcohol
 Concen: 5.048 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028729.D
 Acq: 17 Dec 2018 18:44

Instrument :
 MSVOA_U
 ClientSampled :

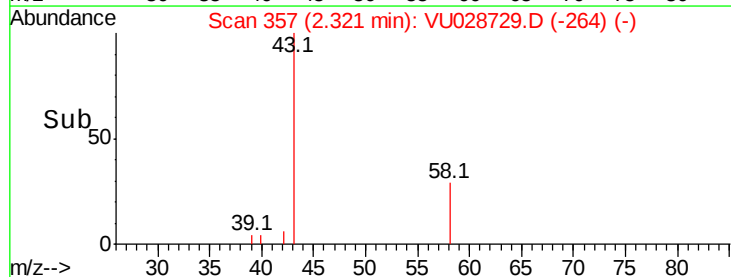
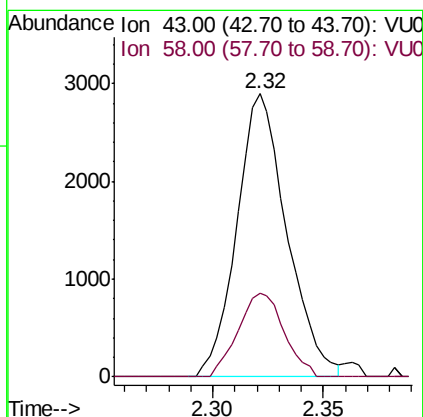
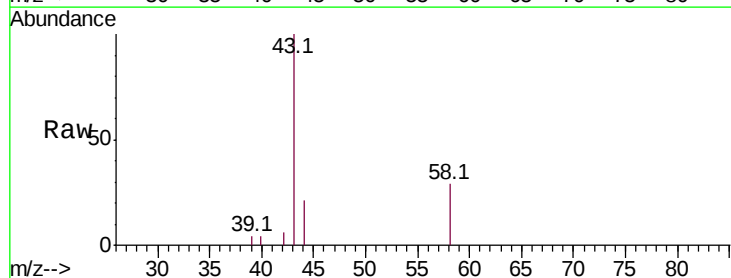
Tot Ion: 59 Resp: 1382
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

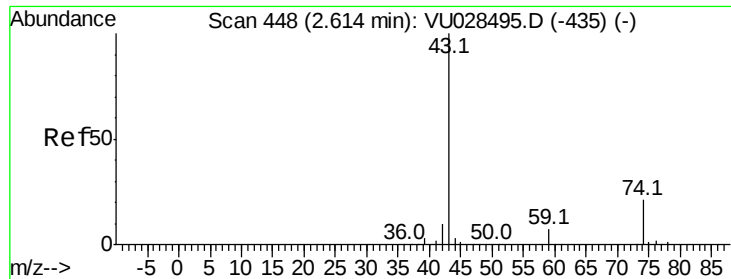


#16

Acetone
 Concen: 5.683 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028729.D
 Acq: 17 Dec 2018 18:44

Tgt Ion: 43 Resp: 4557
 Ion Ratio Lower Upper
 43 100
 58 29.5 24.6 37.0

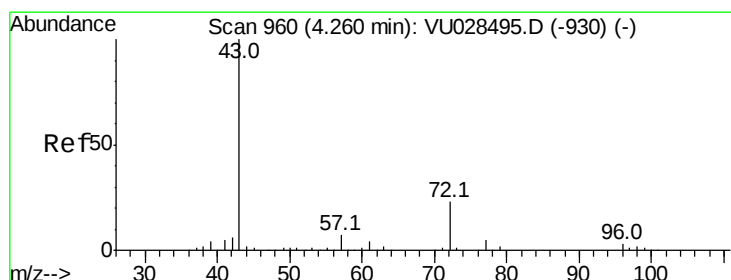
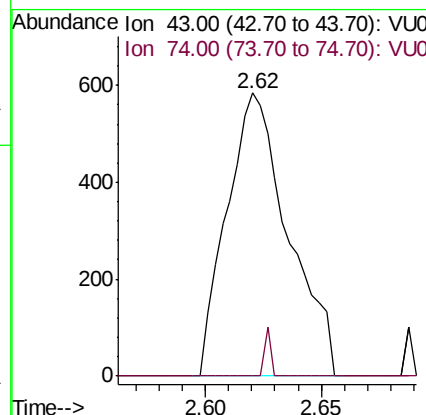
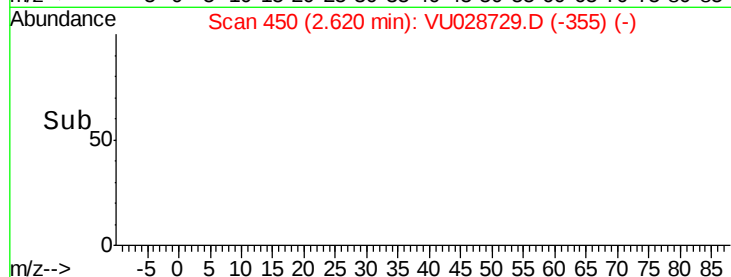
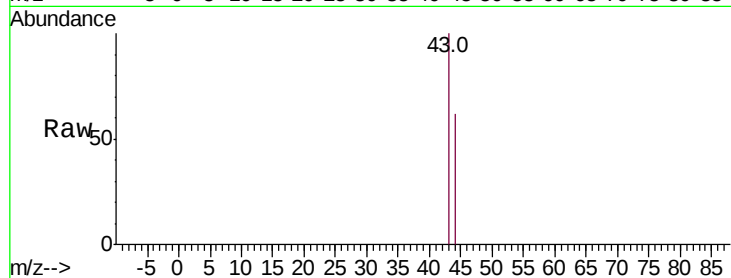




#18
Methvl Acetate
Concen: 0.517 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028729.D
Acq: 17 Dec 2018 18:44

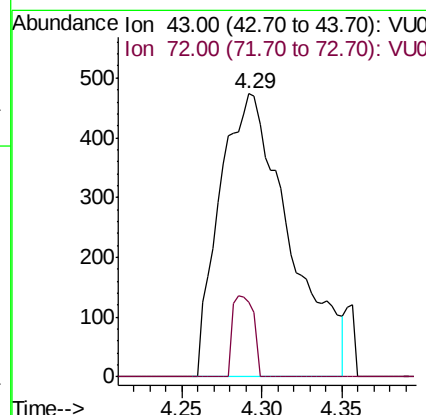
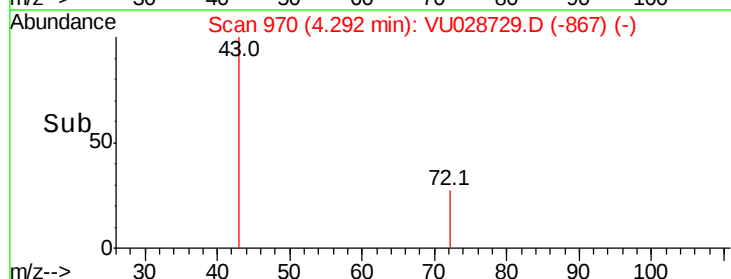
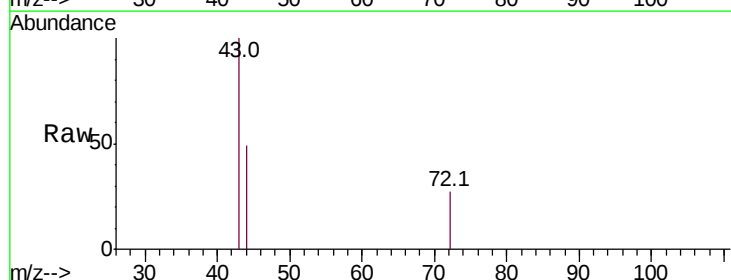
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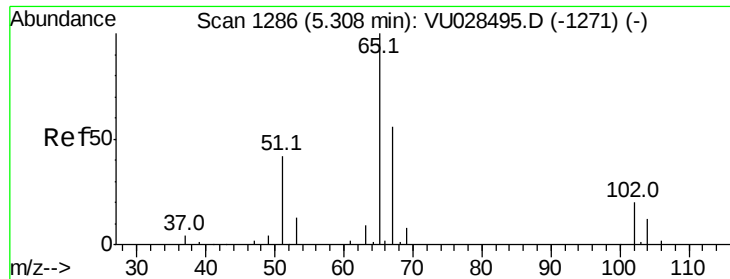
Tot Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
74 1.8 16.4 24.6#



#25
2-Butanone
Concen: 1.297 ug/l
RT: 4.29 min Scan# 970
Delta R.T. 0.03 min
Lab File: VU028729.D
Acq: 17 Dec 2018 18:44

Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
72 26.6 18.6 28.0

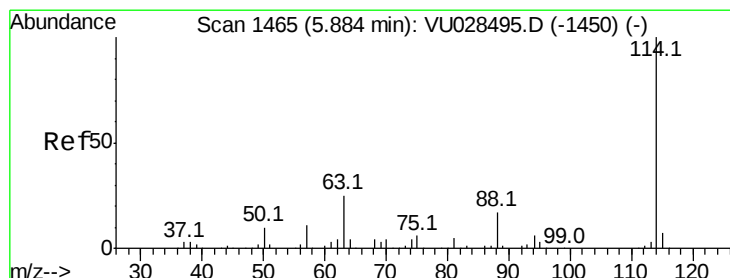
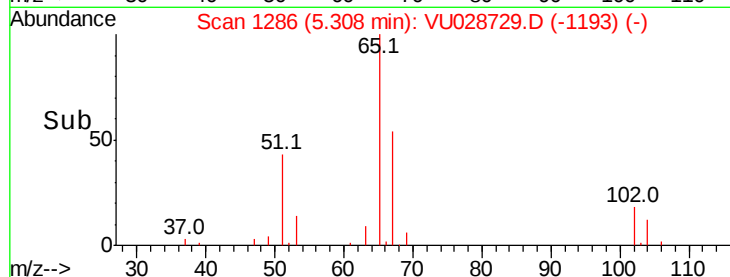
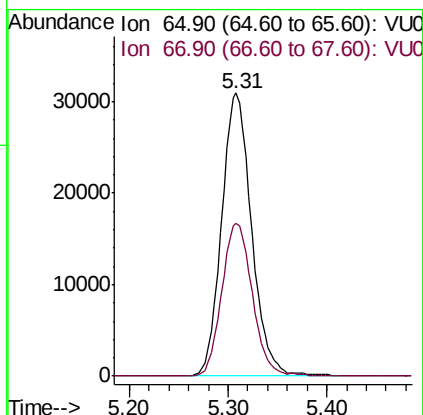
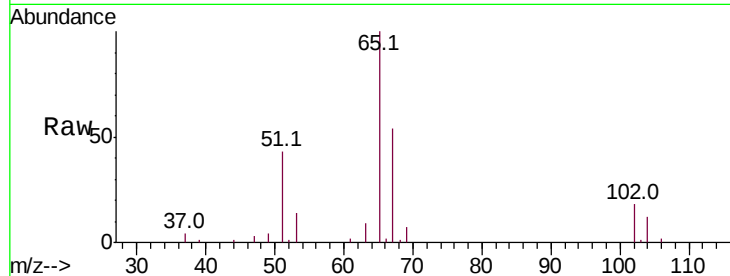




#33
 1,2-Dichloroethane-d4
 Concen: 53.616 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028729.D
 Acq: 17 Dec 2018 18:44

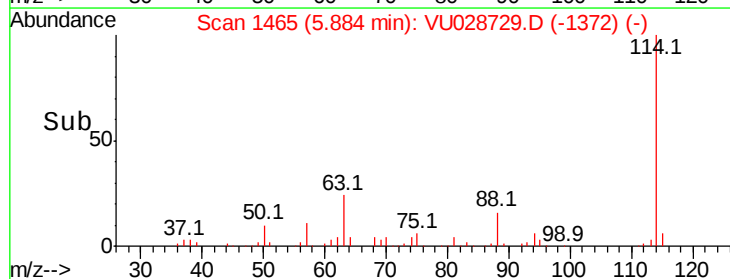
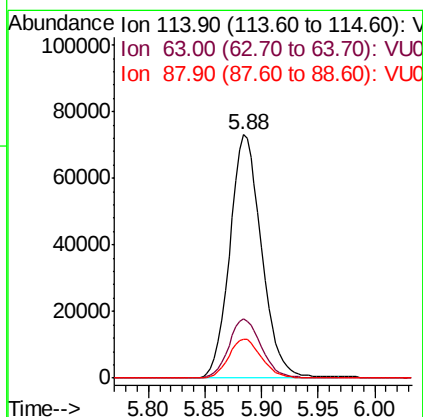
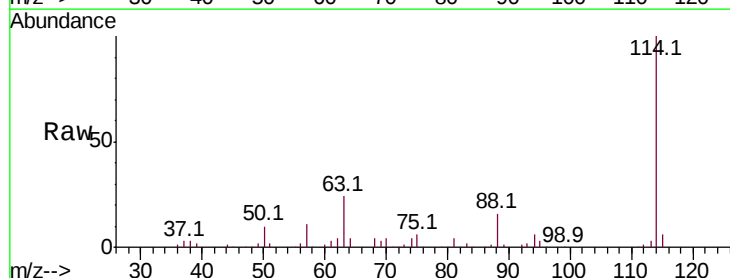
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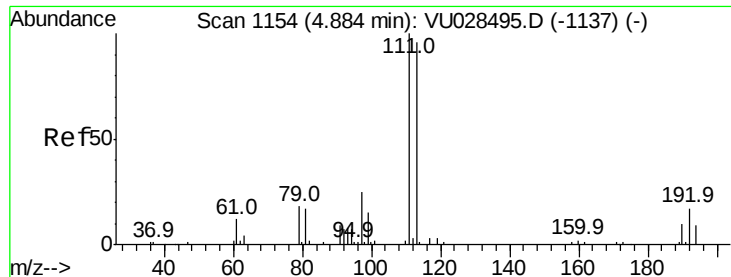
Tot Ion: 65 Resp: 65888
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028729.D
 Acq: 17 Dec 2018 18:44

Tgt Ion:114 Resp: 143083
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 16.2 0.0 33.4

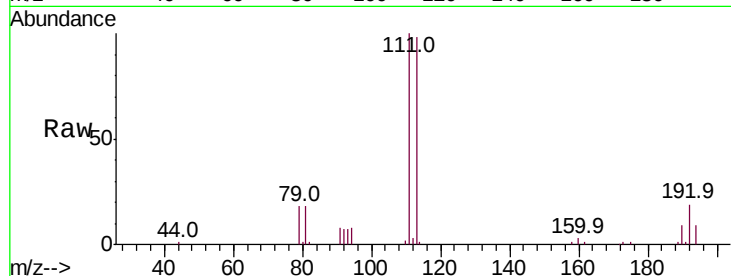




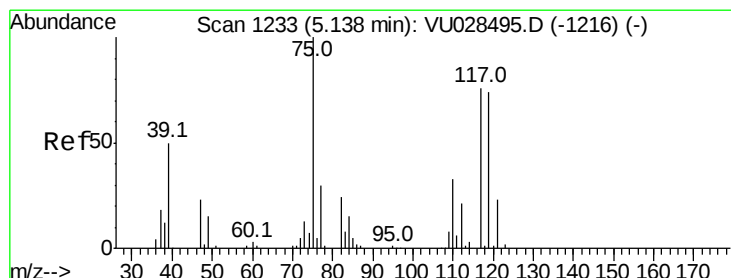
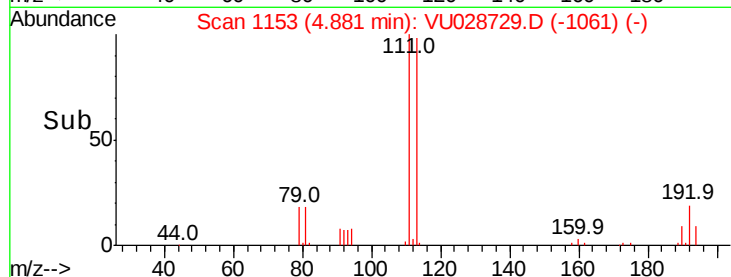
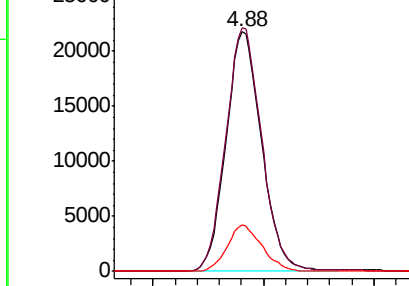
#35
 Dibromofluoromethane
 Concen: 54.277 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028729.D
 Acq: 17 Dec 2018 18:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:113 Resp: 48873
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.4 125.0
 192 18.8 14.8 22.2

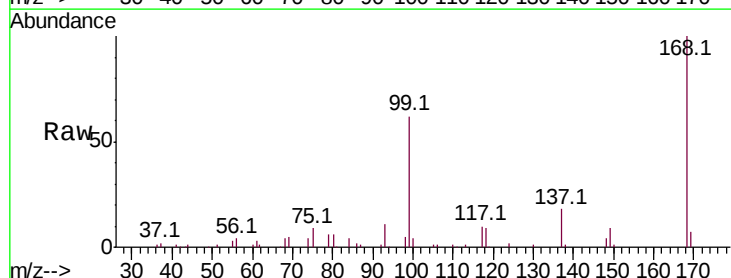


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

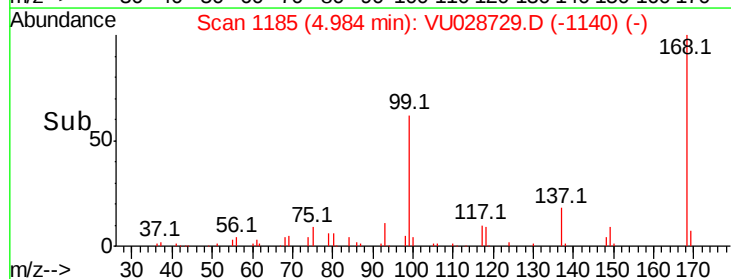
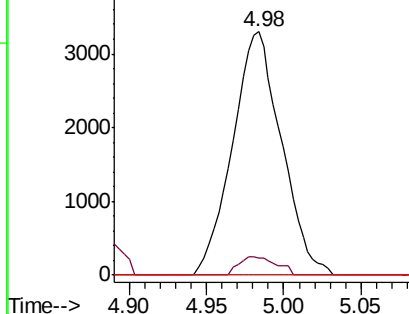


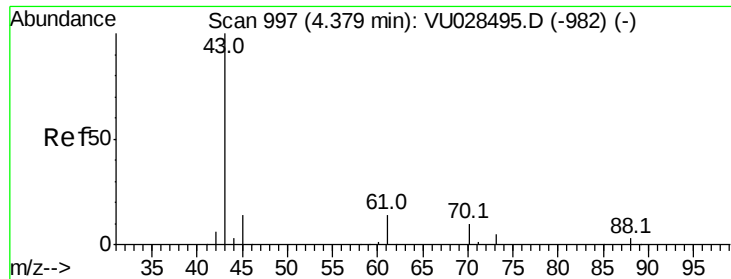
#36
 1,1-Dichloropropene
 Concen: 4.636 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028729.D
 Acq: 17 Dec 2018 18:44

Tgt Ion: 75 Resp: 7258
 Ion Ratio Lower Upper
 75 100
 110 5.7 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

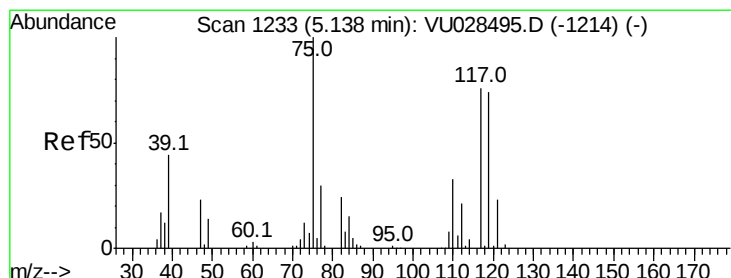
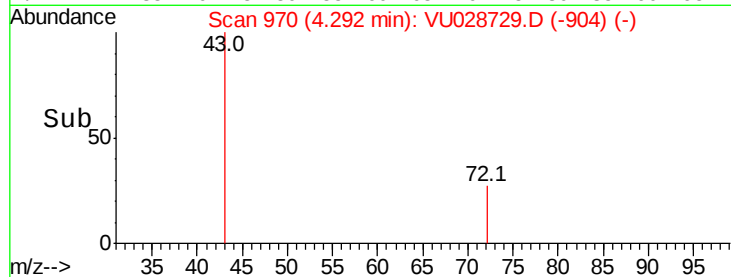
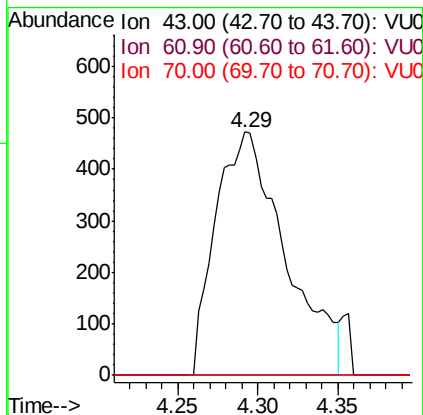
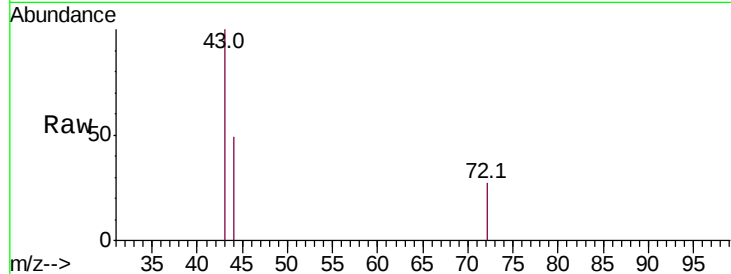




#37
Ethyl Acetate
Concen: 0.702 ug/l
RT: 4.29 min Scan# 970
Delta R.T. -0.09 min
Lab File: VU028729.D
Acq: 17 Dec 2018 18:44

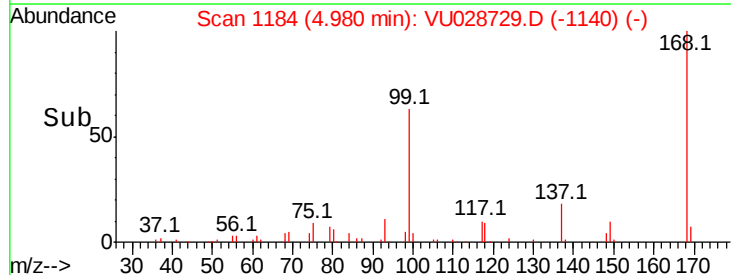
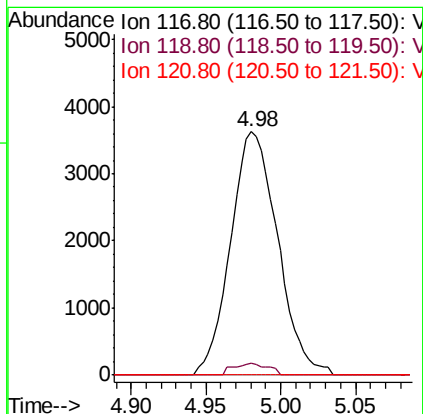
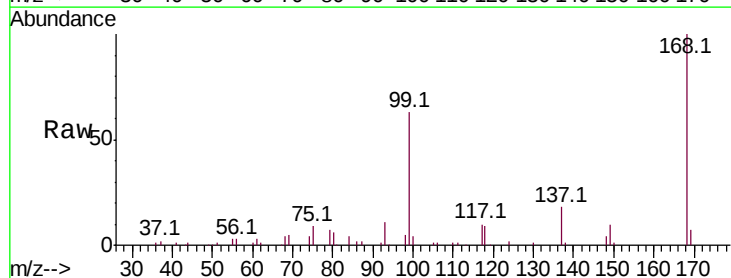
Instrument :
MSVOA_U
ClientSampleId :

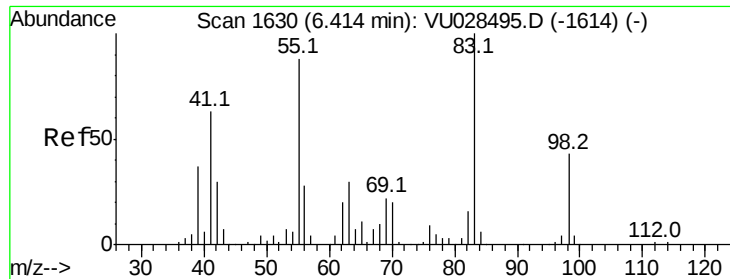
Tot Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 0.0 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 6.293 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028729.D
Acq: 17 Dec 2018 18:44

Tgt Ion: 117 Resp: 7942
Ion Ratio Lower Upper
117 100
119 4.7 77.6 116.4#
121 0.0 24.6 36.8#

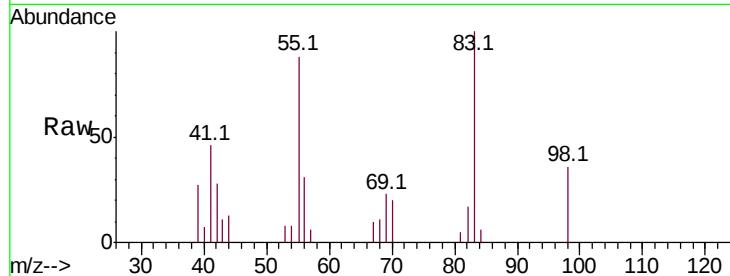




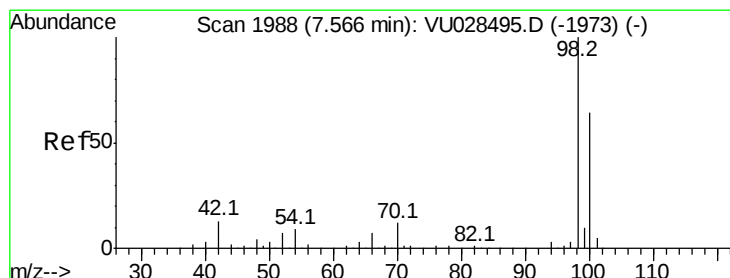
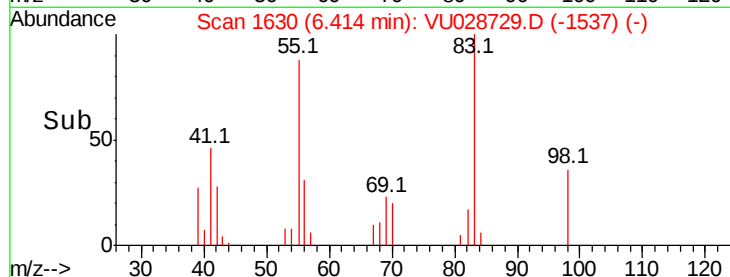
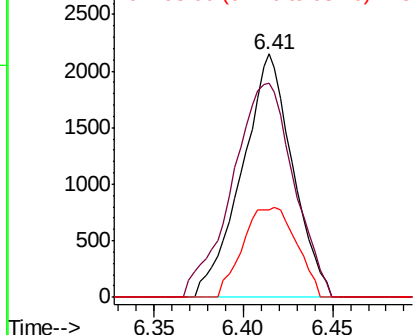
#39
Methvlcvclohexane
Concen: 2.237 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028729.D
Acq: 17 Dec 2018 18:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 4274
Ion Ratio Lower Upper
83 100
55 88.1 70.2 105.2
98 35.8 34.2 51.4

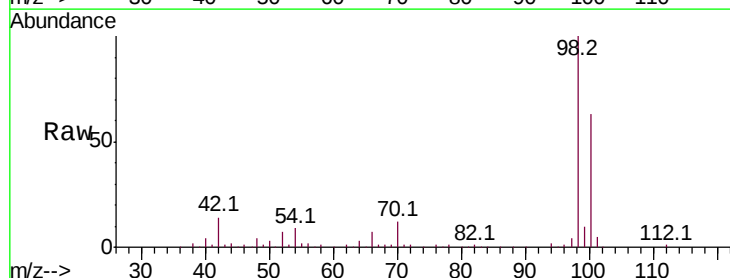


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

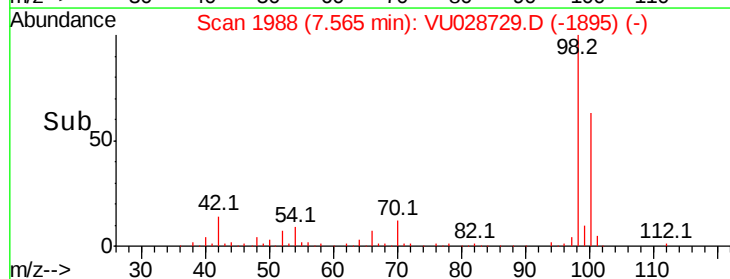
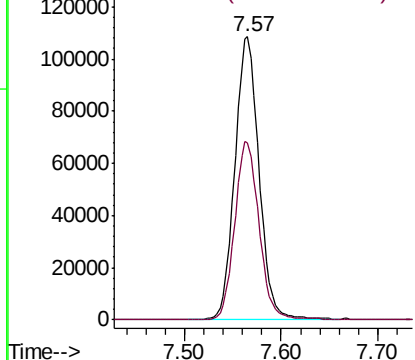


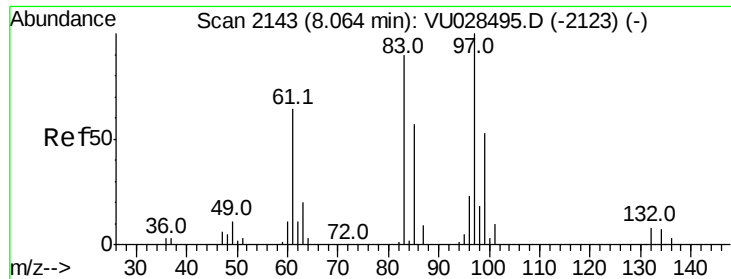
#50
Toluene-d8
Concen: 53.140 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028729.D
Acq: 17 Dec 2018 18:44

Tgt Ion: 98 Resp: 189281
Ion Ratio Lower Upper
98 100
100 62.8 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

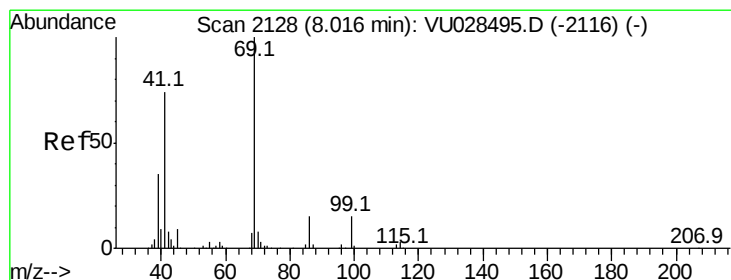
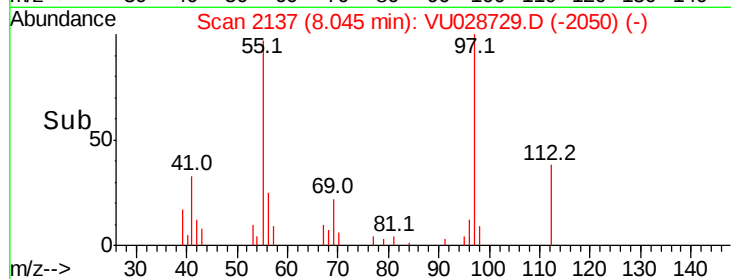
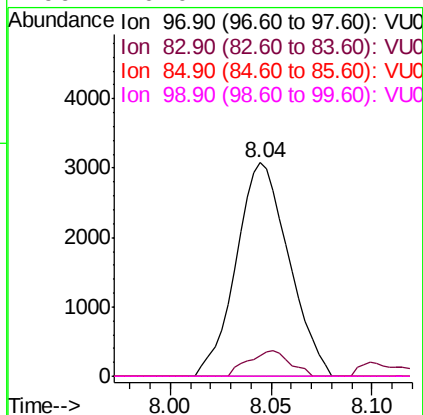
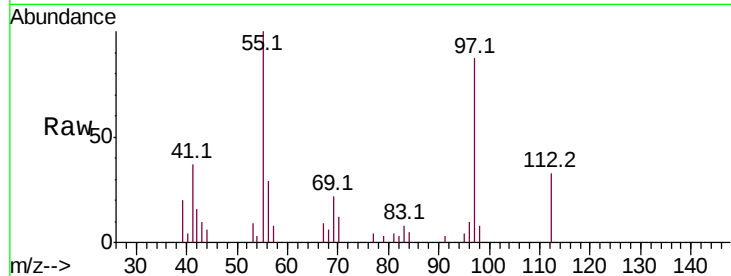




#55
 1,1,2-Trichloroethane
 Concen: 5.231 ug/l
 RT: 8.04 min Scan# 2137
 Delta R.T. -0.02 min
 Lab File: VU028729.D
 Acq: 17 Dec 2018 18:44

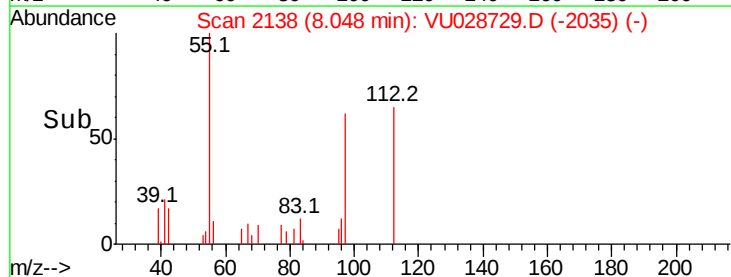
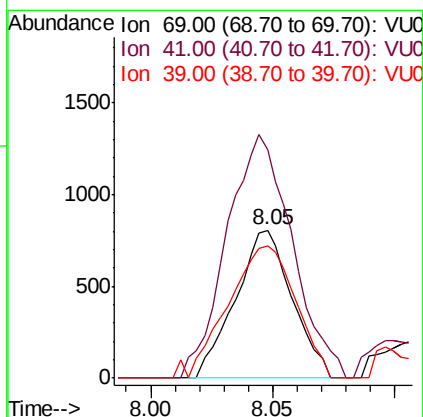
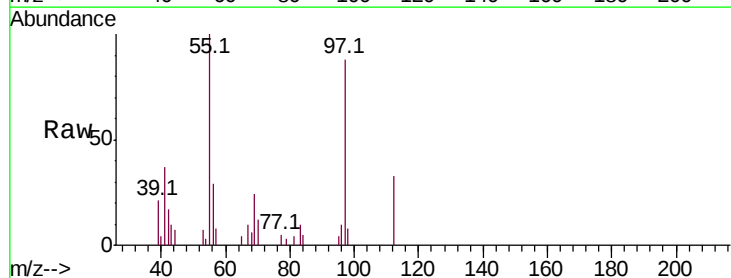
Instrument :
 MSVOA_U
 ClientSampleId :

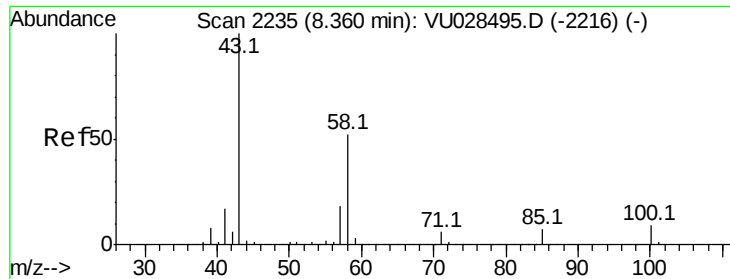
Tot Ion: 97 Resp: 5612
 Ion Ratio Lower Upper
 97 100
 83 9.4 72.4 108.6#
 85 0.0 46.0 69.0#
 99 0.0 47.4 71.2#



#56
 Ethyl methacrylate
 Concen: 0.707 ug/l
 RT: 8.05 min Scan# 2138
 Delta R.T. 0.03 min
 Lab File: VU028729.D
 Acq: 17 Dec 2018 18:44

Tgt Ion: 69 Resp: 1298
 Ion Ratio Lower Upper
 69 100
 41 190.0 59.1 88.7#
 39 107.5 28.4 42.6#

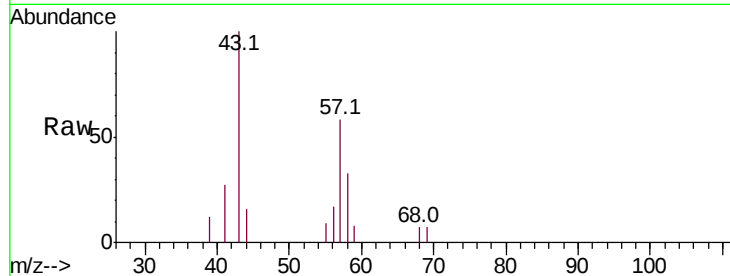




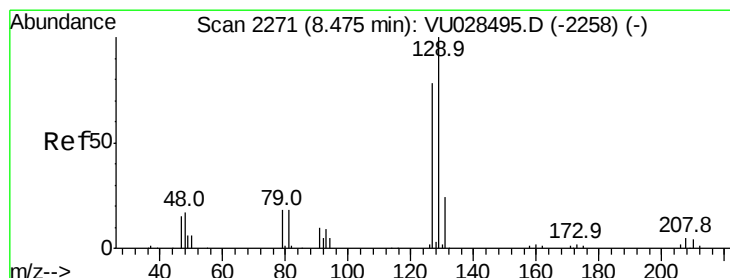
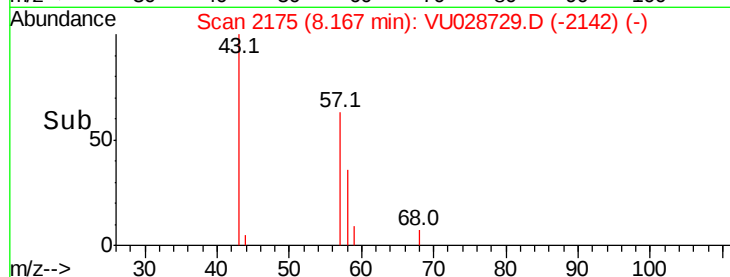
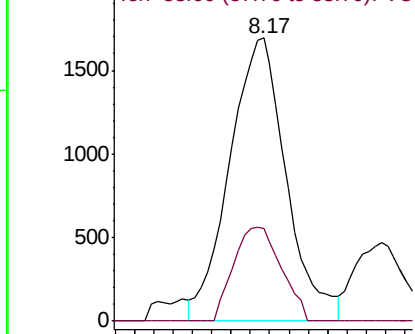
#59
2-Hexanone
Concen: 2.153 ug/l
RT: 8.17 min Scan# 2175
Delta R.T. -0.19 min
Lab File: VU028729.D
Acq: 17 Dec 2018 18:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 3446
Ion Ratio Lower Upper
43 100
58 27.9 25.9 77.6

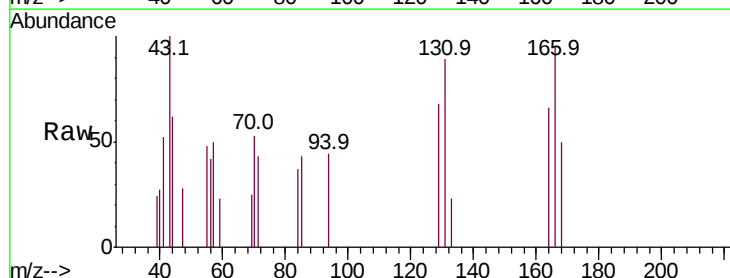


Abundance Ion 43.00 (42.70 to 43.70): VU028729.D (-2175) (-)
Ion 58.00 (57.70 to 58.70): VU028729.D (-2175) (-)

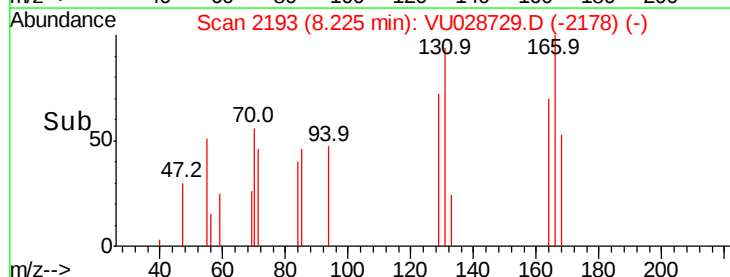
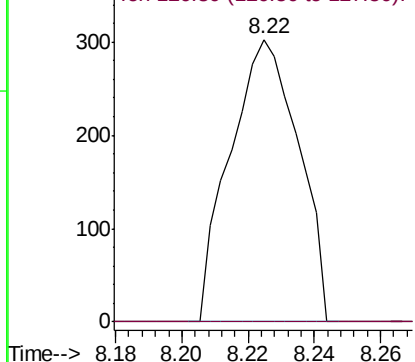


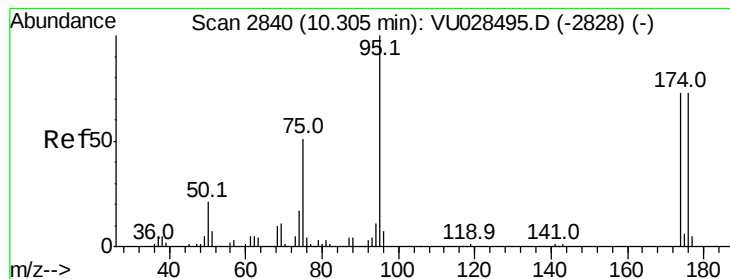
#60
Dibromochloromethane
Concen: 0.413 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.25 min
Lab File: VU028729.D
Acq: 17 Dec 2018 18:44

Tgt Ion: 129 Resp: 434
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VU028729.D (-2193) (-)
Ion 126.80 (126.50 to 127.50): VU028729.D (-2193) (-)





#62

4-Bromofluorobenzene

Concen: 48.721 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028729.D

Acq: 17 Dec 2018 18:44

Instrument :

MSVOA_U

ClientSampled :

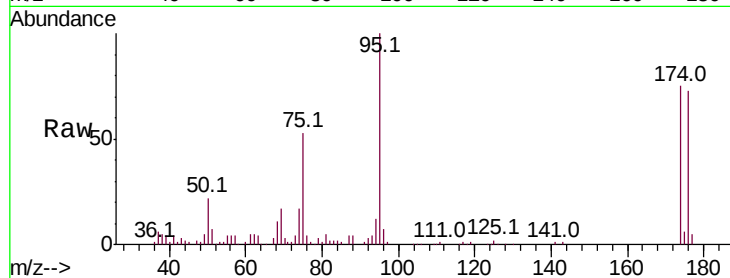
Tot Ion: 95 Resp: 64864

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.4

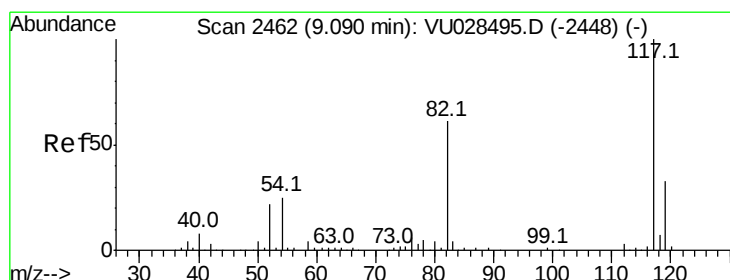
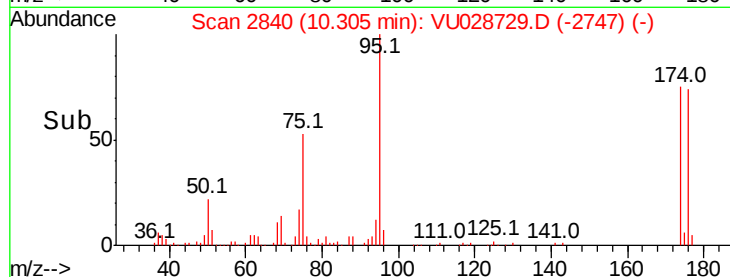
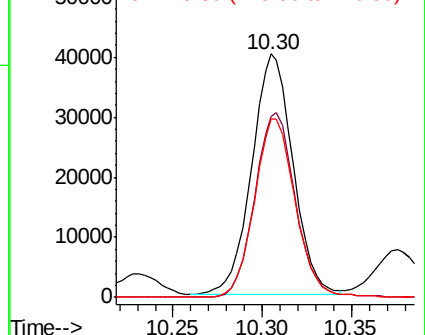
176 73.8 0.0 145.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028729.D

Acq: 17 Dec 2018 18:44

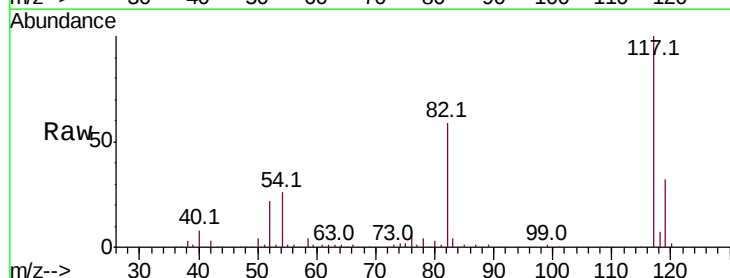
Tgt Ion: 117 Resp: 131638

Ion Ratio Lower Upper

117 100

82 58.7 48.9 73.3

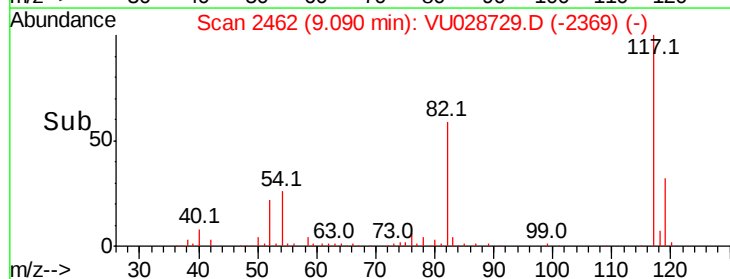
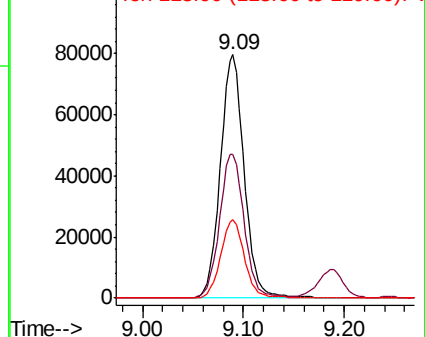
119 32.2 26.2 39.4

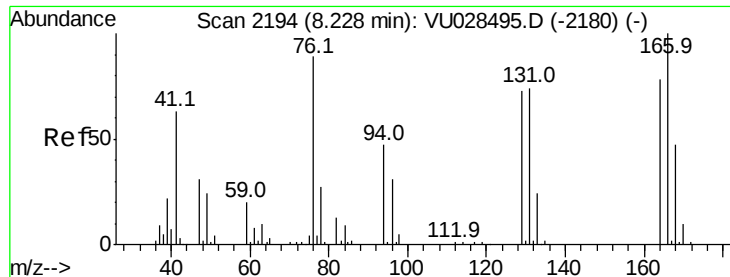


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.587 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU028729.D

Acq: 17 Dec 2018 18:44

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 515

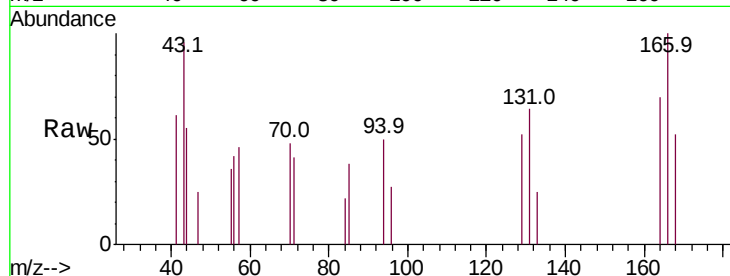
Ion Ratio Lower Upper

164 100

166 143.8 101.9 152.9

129 74.7 74.9 112.3#

131 91.7 75.4 113.0

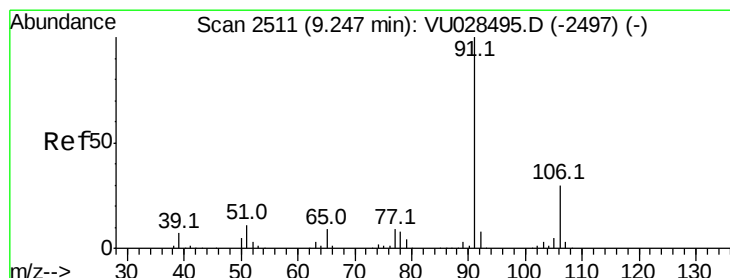
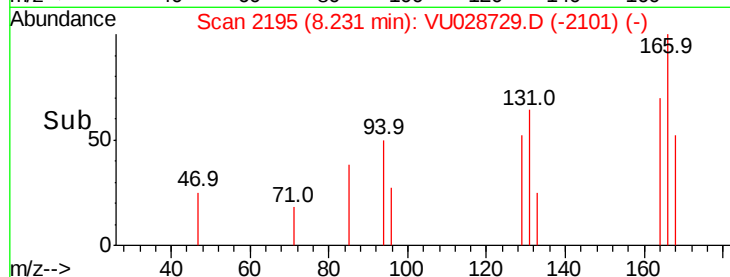
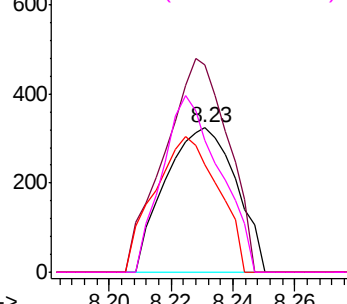


Abundance Ion 163.80 (163.50 to 164.50): V

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



#67

Ethyl Benzene

Concen: 4.530 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028729.D

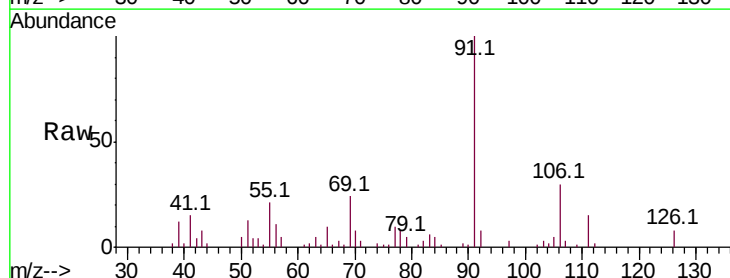
Acq: 17 Dec 2018 18:44

Tgt Ion: 91 Resp: 23359

Ion Ratio Lower Upper

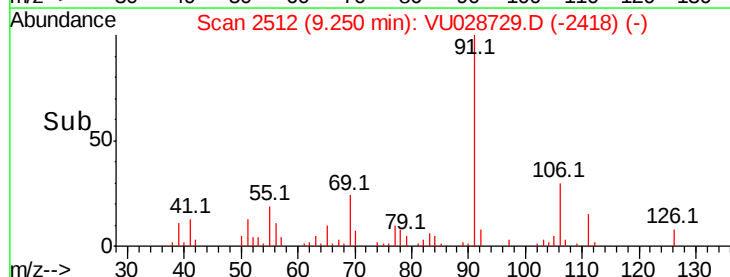
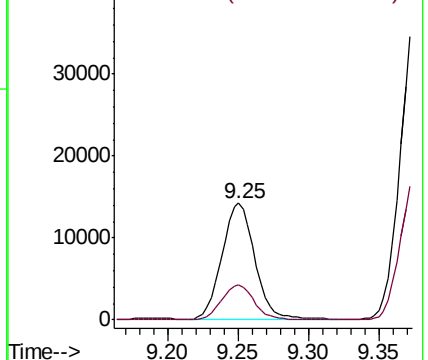
91 100

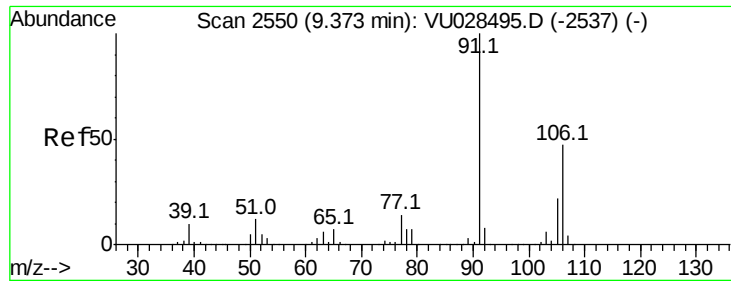
106 30.2 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

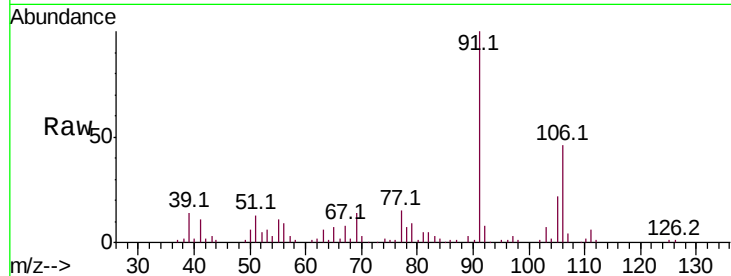




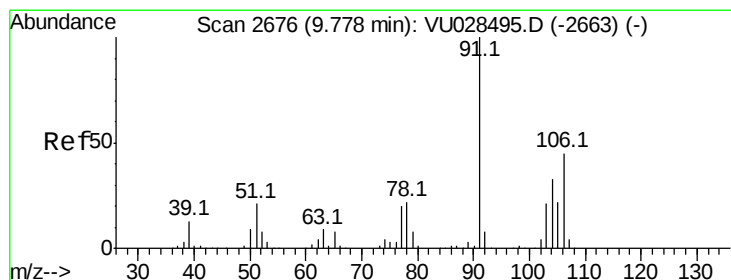
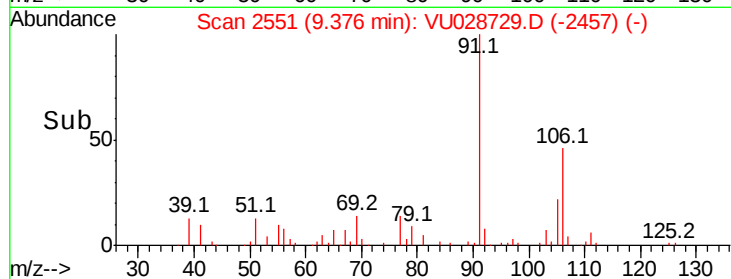
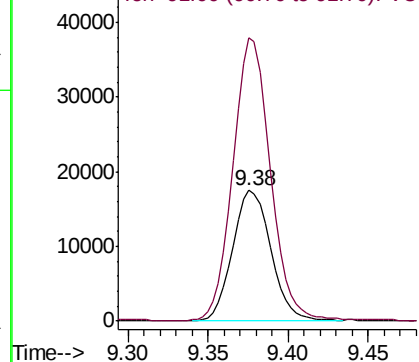
#68
m/p-Xylenes
Concen: 15.247 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028729.D
Acq: 17 Dec 2018 18:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 28608
Ion Ratio Lower Upper
106 100
91 211.9 167.4 251.0

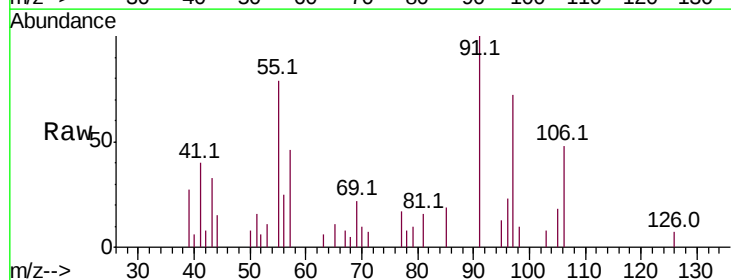


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

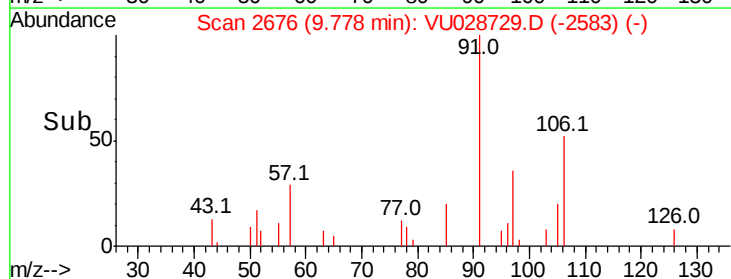
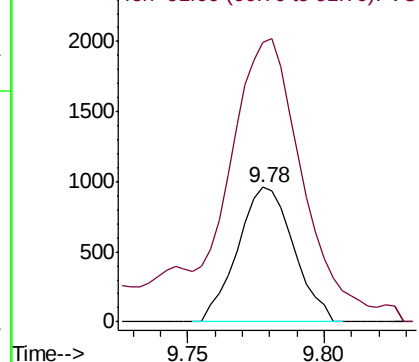


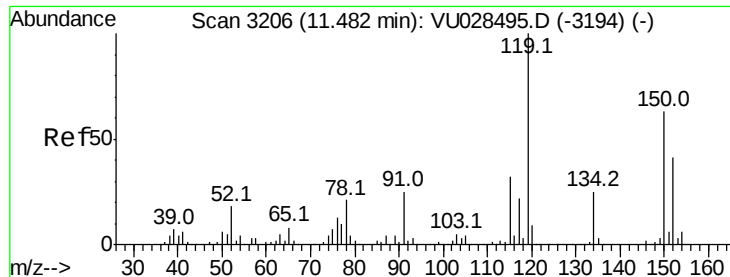
#69
o-Xylene
Concen: 0.746 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028729.D
Acq: 17 Dec 2018 18:44

Tgt Ion:106 Resp: 1361
Ion Ratio Lower Upper
106 100
91 275.8 111.3 334.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028729.D

Acq: 17 Dec 2018 18:44

Instrument :

MSVOA_U

ClientSampleId :

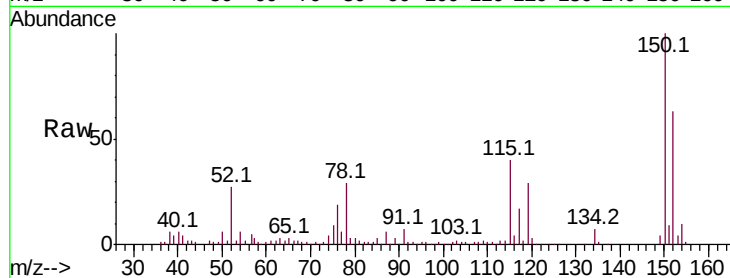
Tot Ion:152 Resp: 58524

Ion Ratio Lower Upper

152 100

115 64.3 42.7 128.1

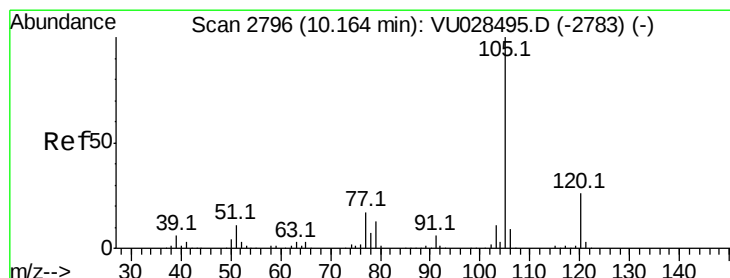
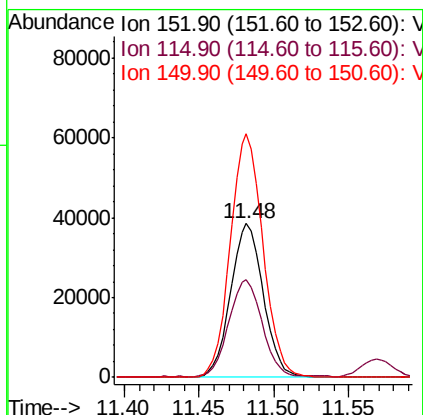
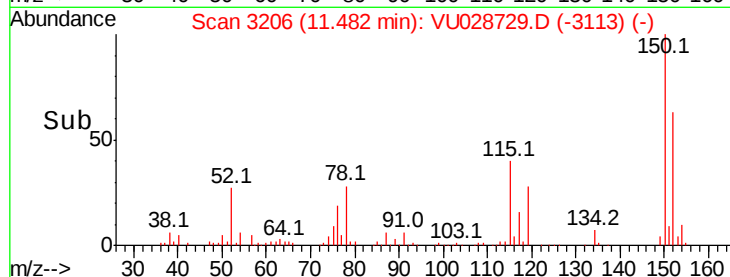
150 158.1 0.0 346.0



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



#73

Isopropylbenzene

Concen: 212.446 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028729.D

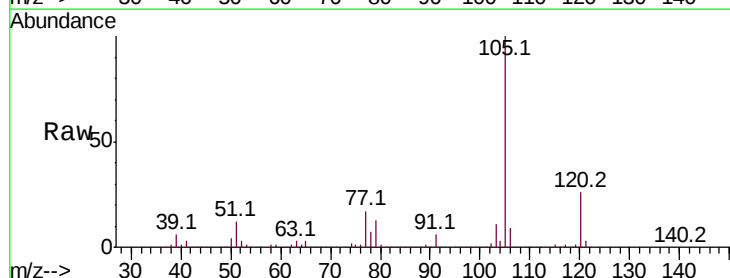
Acq: 17 Dec 2018 18:44

Tgt Ion:105 Resp: 954042

Ion Ratio Lower Upper

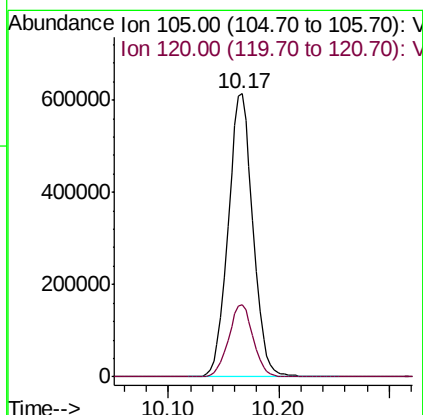
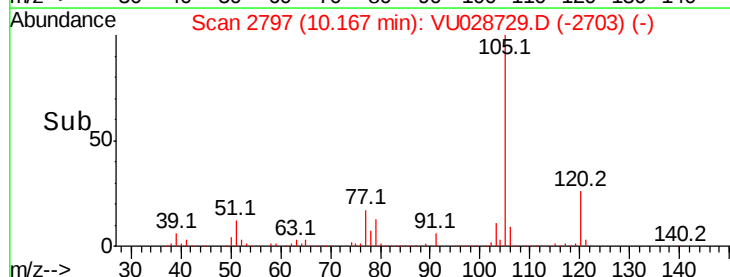
105 100

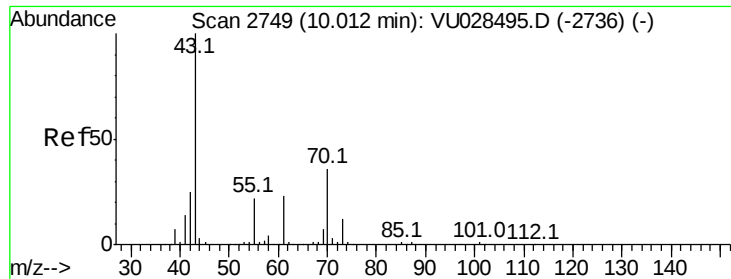
120 25.5 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 5.034 ug/l

RT: 9.95 min Scan# 2729

Delta R.T. -0.06 min

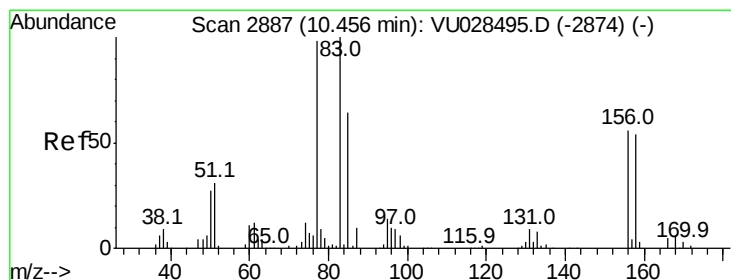
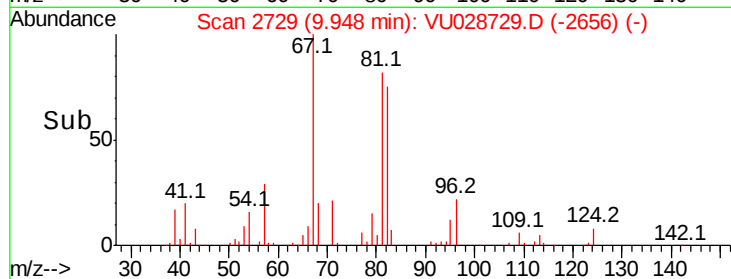
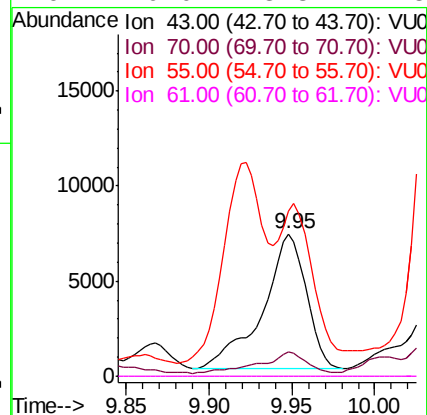
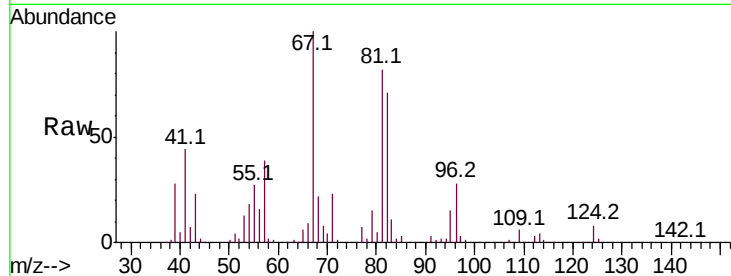
Lab File: VU028729.D

Acq: 17 Dec 2018 18:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 13041

Ion	Ratio	Lower	Upper
43	100		
70	16.2	29.3	43.9#
55	81.5	18.0	27.0#
61	0.0	18.3	27.5#



#75

1,1,2,2-Tetrachloroethane

Concen: 5.055 ug/l

RT: 10.49 min Scan# 2898

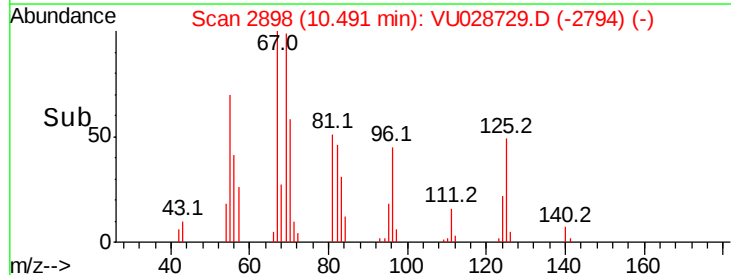
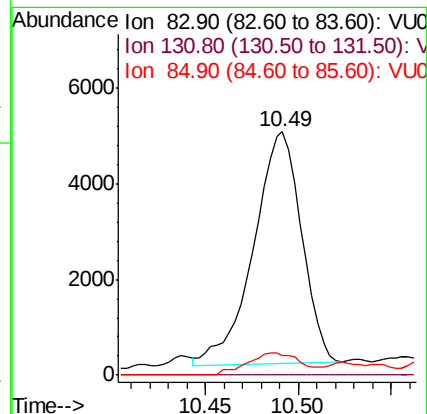
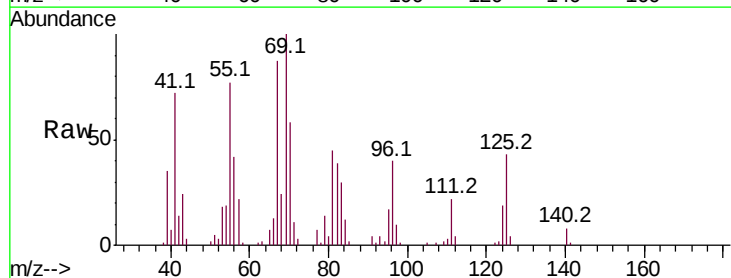
Delta R.T. 0.04 min

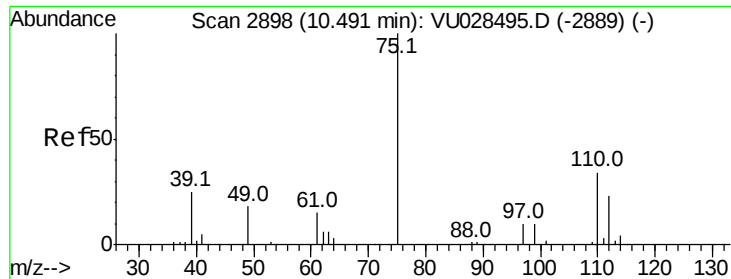
Lab File: VU028729.D

Acq: 17 Dec 2018 18:44

Tgt Ion: 83 Resp: 8720

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.2	12.4#
85	10.6	31.8	95.4#

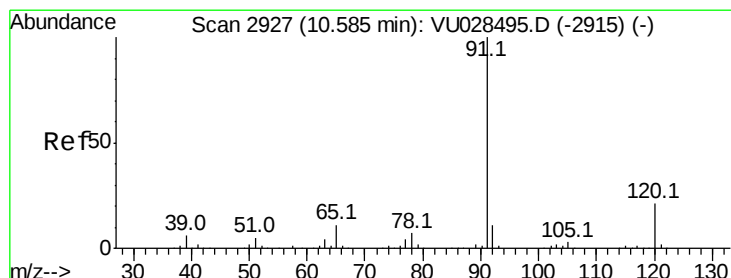
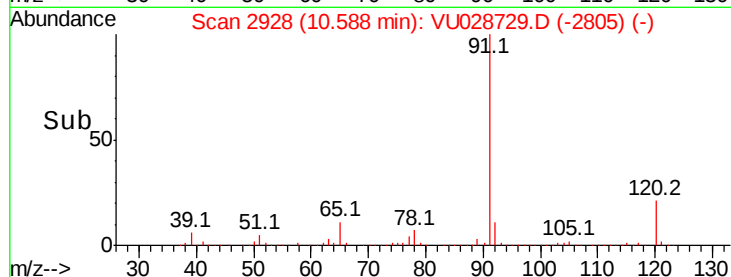
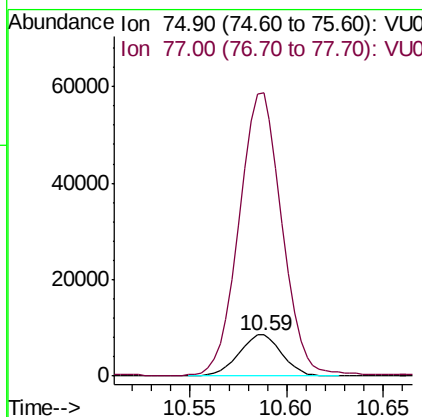
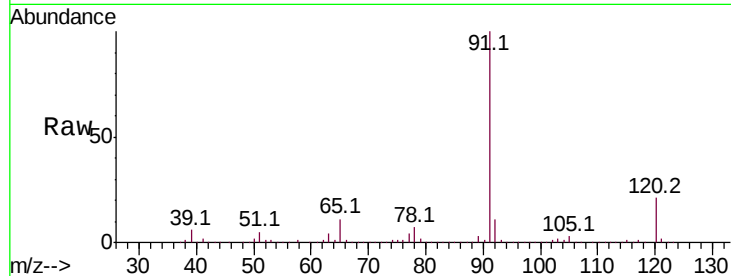




#76
 1,2,3-Trichloropropane
 Concen: 8.888 ug/l
 RT: 10.59 min Scan# 2928
 Delta R.T. 0.10 min
 Lab File: VU028729.D
 Acq: 17 Dec 2018 18:44

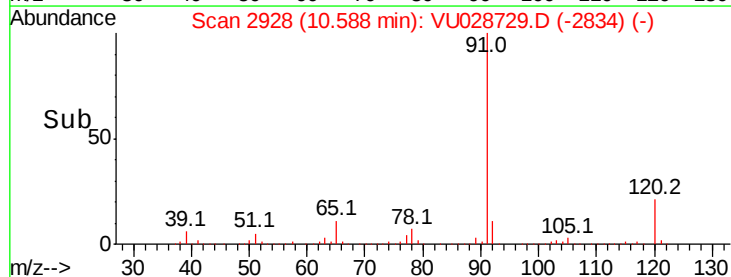
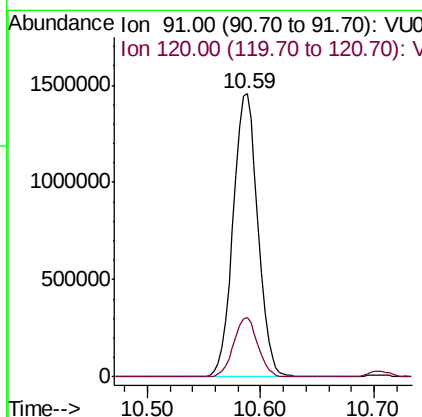
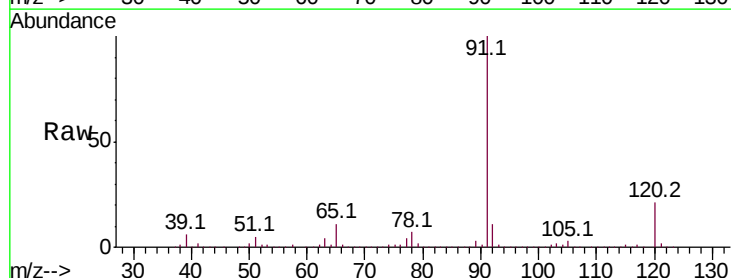
Instrument :
 MSVOA_U
 ClientSampleId :

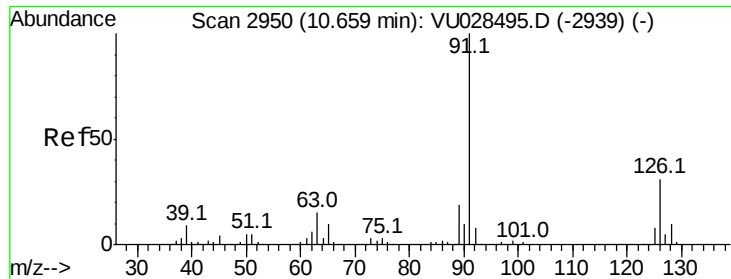
Tot Ion: 75 Resp: 13282
 Ion Ratio Lower Upper
 75 100
 77 680.5 20.8 62.4#



#78
 n-propylbenzene
 Concen: 396.500 ug/l
 RT: 10.59 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VU028729.D
 Acq: 17 Dec 2018 18:44

Tgt Ion: 91 Resp: 2212543
 Ion Ratio Lower Upper
 91 100
 120 20.7 10.6 31.8





#79

2-Chlorotoluene

Concen: 688.340 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.07 min

Lab File: VU028729.D

Acq: 17 Dec 2018 18:44

Instrument :

MSVOA_U

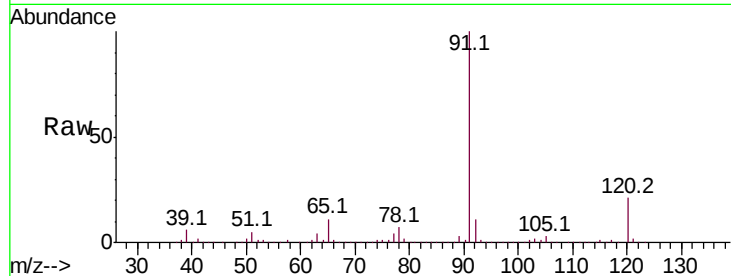
ClientSampleId :

Tot Ion: 91 Resp: 2212543

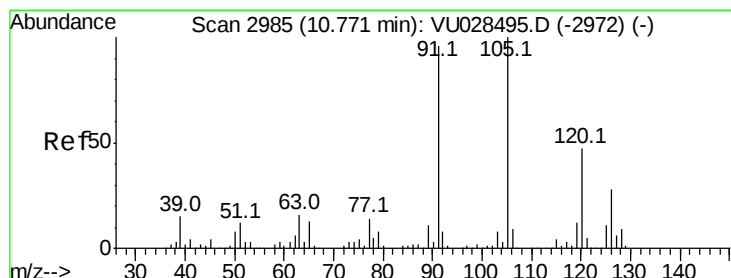
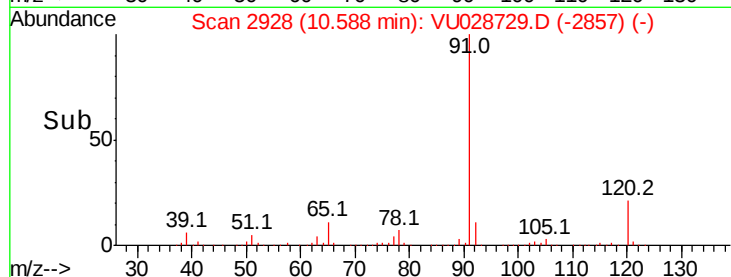
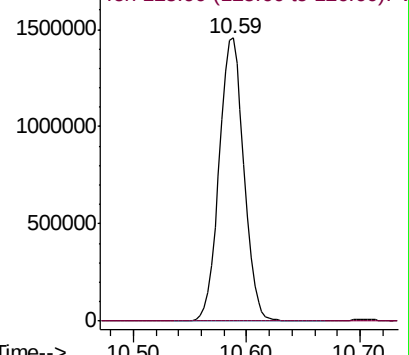
Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.8#



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)



#80

1,3,5-Trimethylbenzene

Concen: 40.363 ug/l

RT: 10.70 min Scan# 2964

Delta R.T. -0.07 min

Lab File: VU028729.D

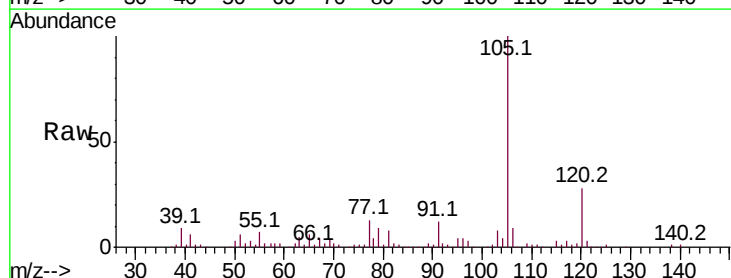
Acq: 17 Dec 2018 18:44

Tgt Ion:105 Resp: 150042

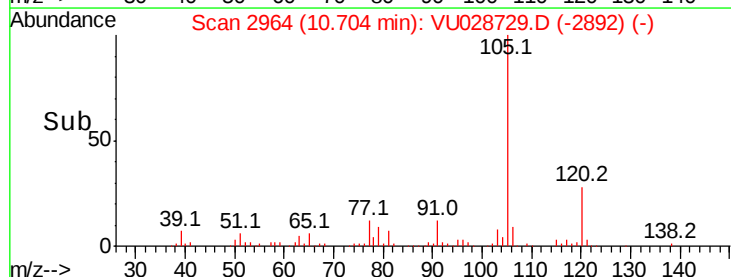
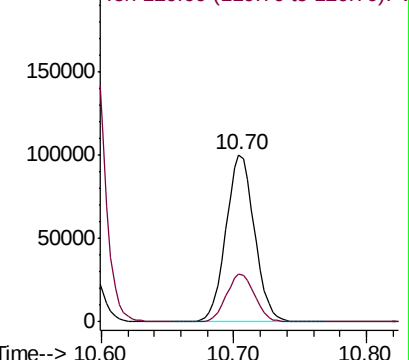
Ion Ratio Lower Upper

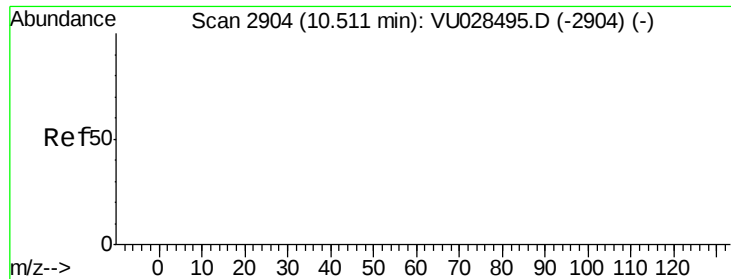
105 100

120 28.5 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.147 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.08 min

Lab File: VU028729.D

Acq: 17 Dec 2018 18:44

Instrument :

MSVOA_U

ClientSampleId :

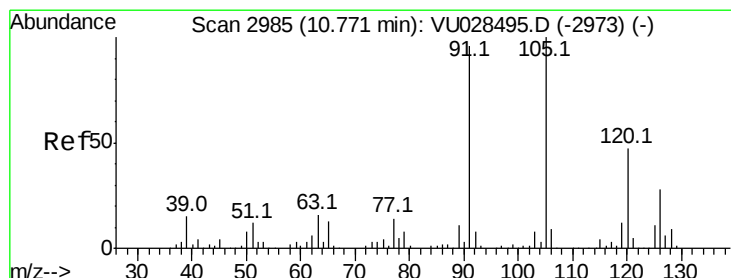
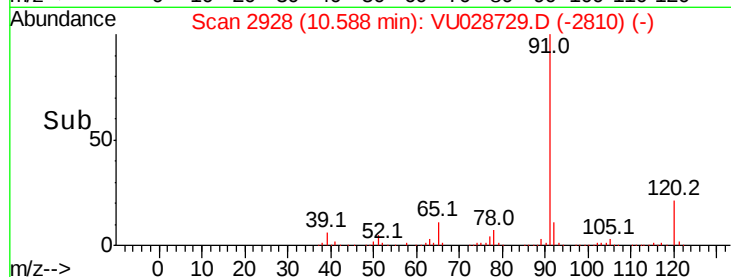
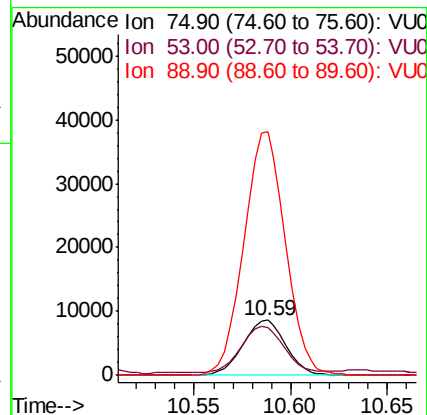
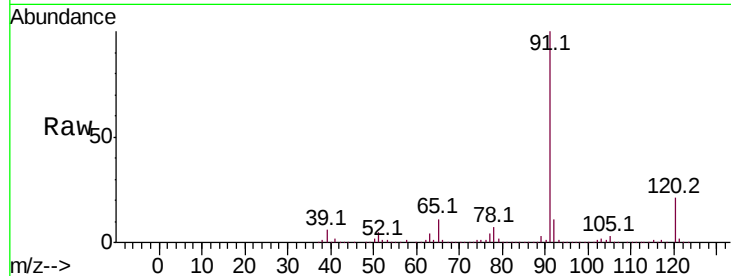
Tot Ion: 75 Resp: 13282

Ion Ratio Lower Upper

75 100

53 85.6 0.0 0.0#

89 428.3 0.0 0.0#



#82

4-Chlorotoluene

Concen: 580.871 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.18 min

Lab File: VU028729.D

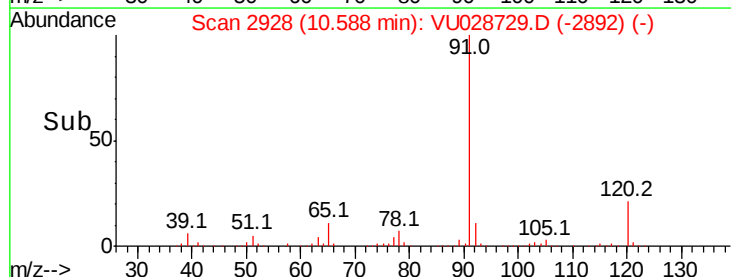
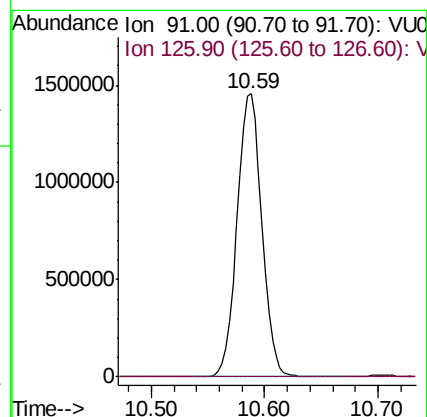
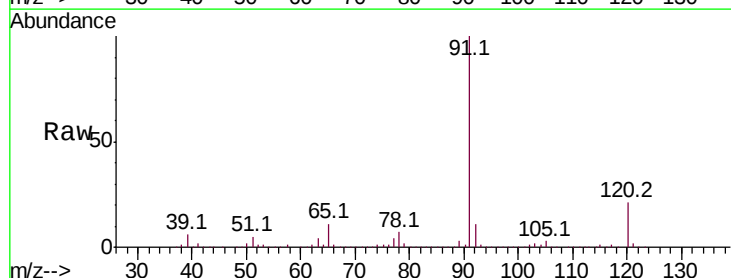
Acq: 17 Dec 2018 18:44

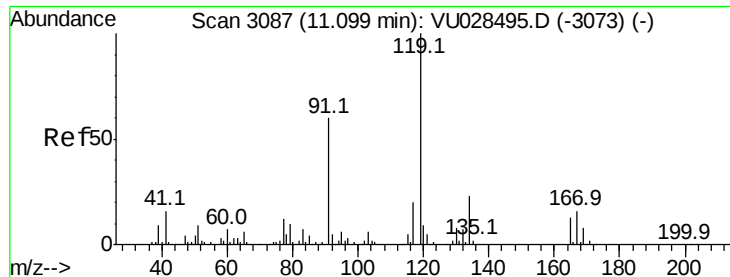
Tgt Ion: 91 Resp: 2212543

Ion Ratio Lower Upper

91 100

126 0.0 14.1 42.3#

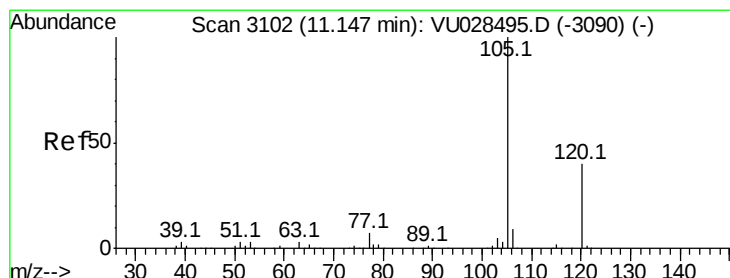
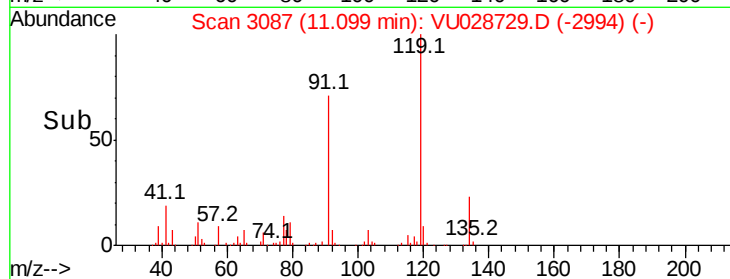
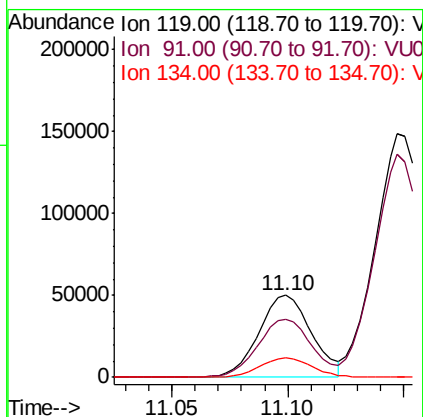
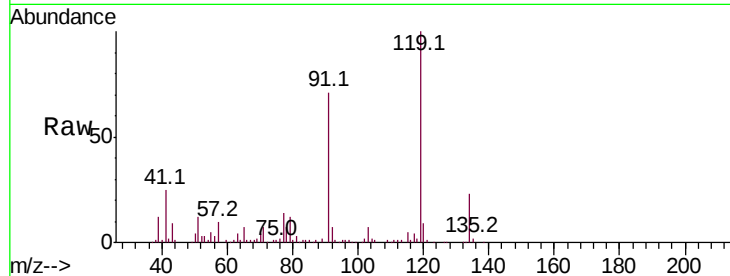




#83
tert-Butylbenzene
Concen: 22.137 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028729.D
Acq: 17 Dec 2018 18:44

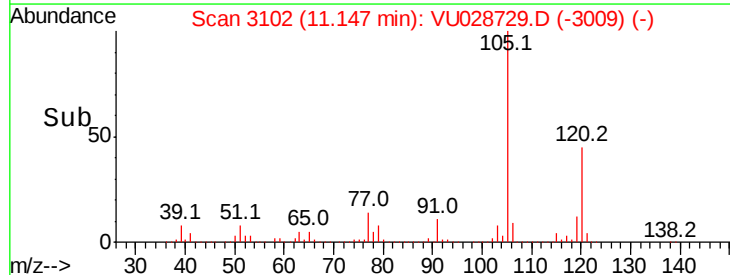
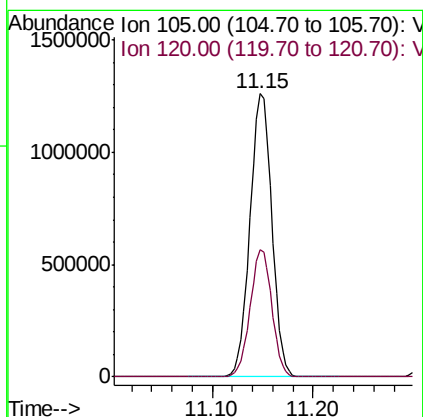
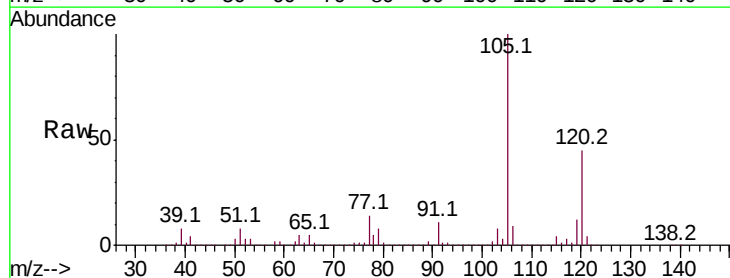
Instrument :
MSVOA_U
ClientSampleId :

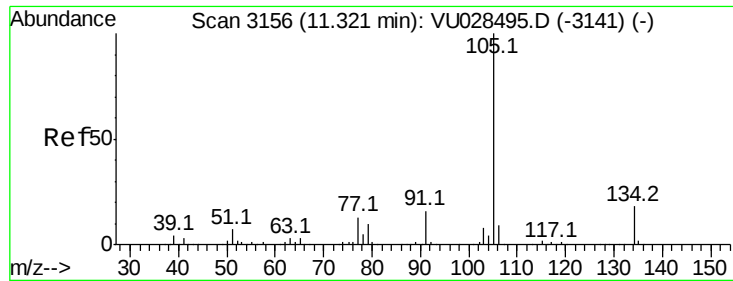
Tot Ion:119 Resp: 79318
Ion Ratio Lower Upper
119 100
91 72.3 30.3 91.0
134 23.4 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 489.040 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028729.D
Acq: 17 Dec 2018 18:44

Tgt Ion:105 Resp: 1873513
Ion Ratio Lower Upper
105 100
120 44.5 21.8 65.4

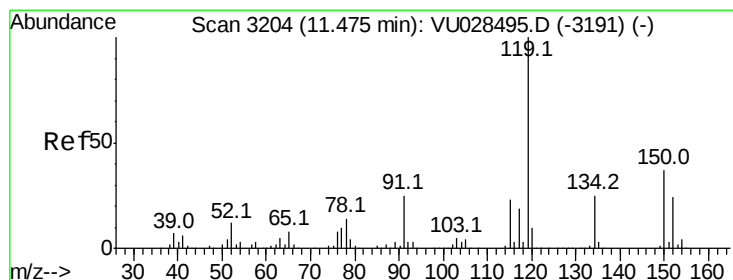
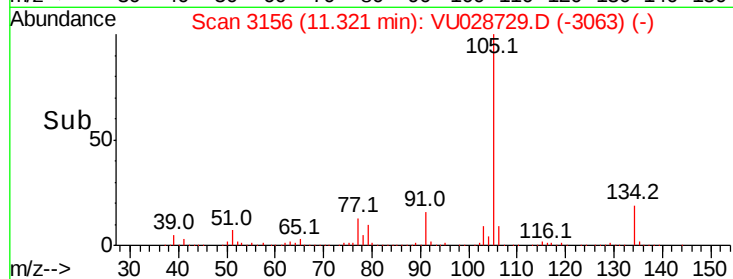
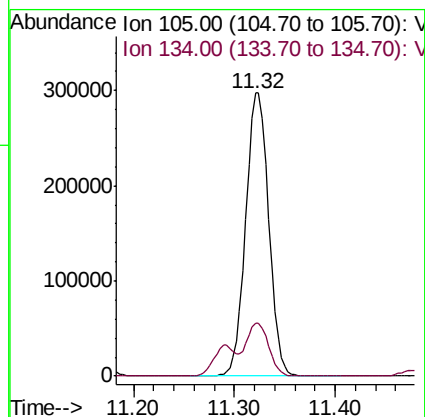
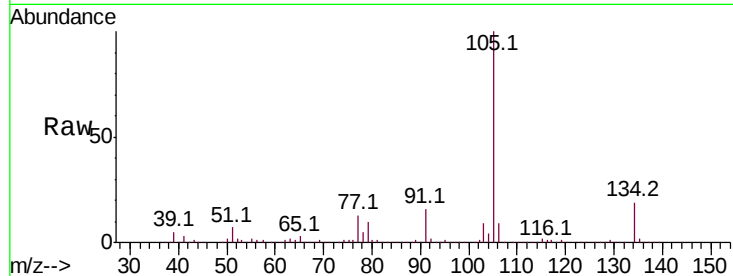




#85
 sec-Butylbenzene
 Concen: 101.200 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028729.D
 Acq: 17 Dec 2018 18:44

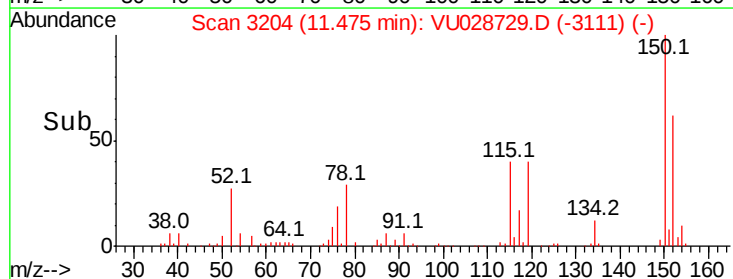
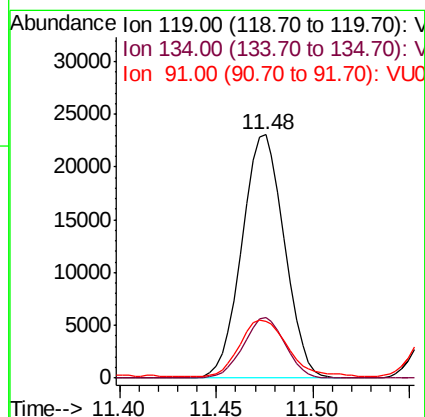
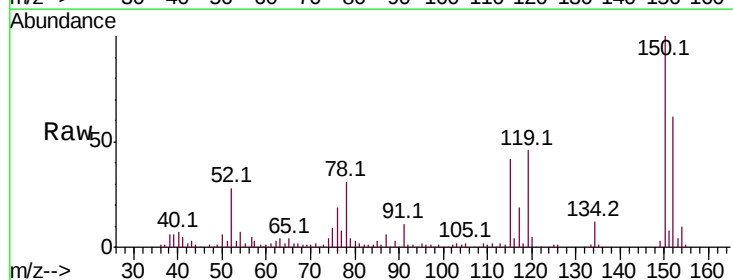
Instrument :
 MSVOA_U
 ClientSampleId :

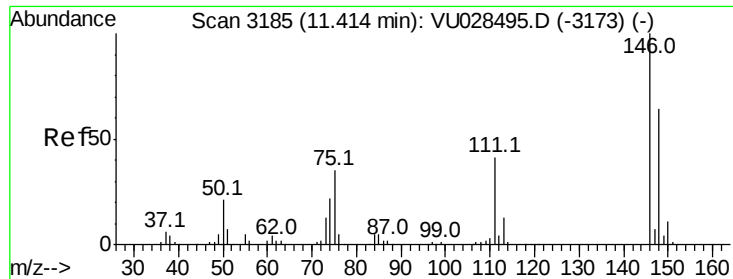
Tot Ion:105 Resp: 465819
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 9.018 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028729.D
 Acq: 17 Dec 2018 18:44

Tgt Ion:119 Resp: 35259
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.7 38.1
 91 26.4 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 0.411 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.09 min

Lab File: VU028729.D

Acq: 17 Dec 2018 18:44

Instrument :

MSVOA_U

ClientSampled :

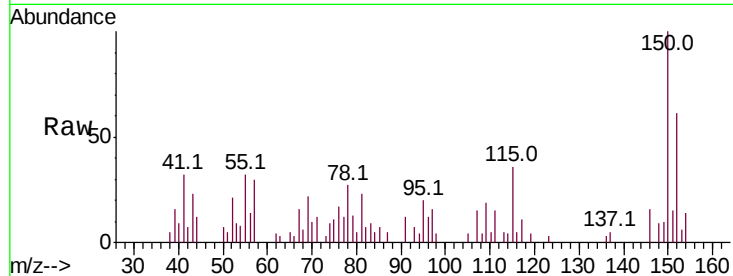
Tot Ion:146 Resp: 815

Ion Ratio Lower Upper

146 100

111 0.0 20.7 62.1#

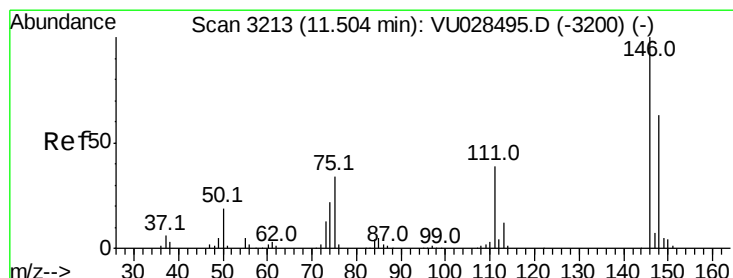
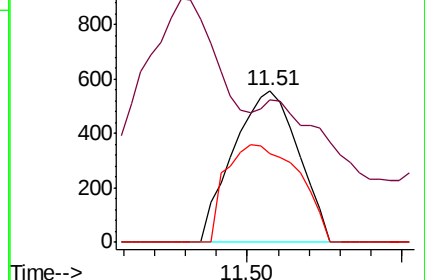
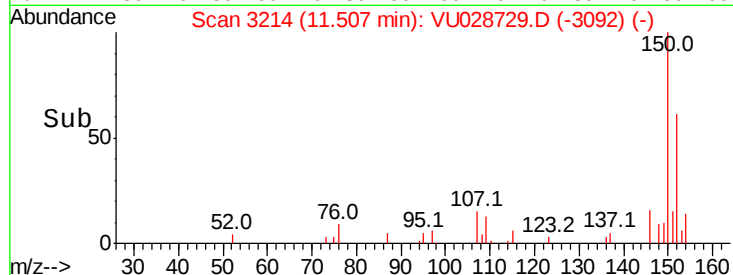
148 72.4 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.397 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028729.D

Acq: 17 Dec 2018 18:44

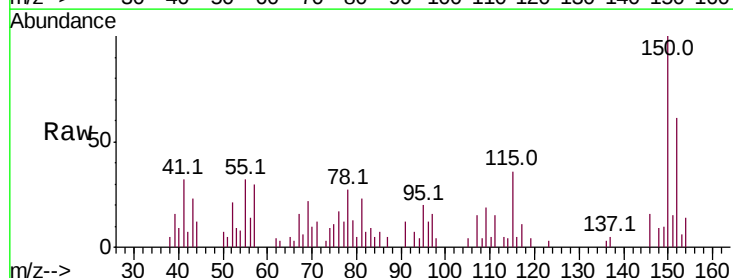
Tgt Ion:146 Resp: 815

Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.5#

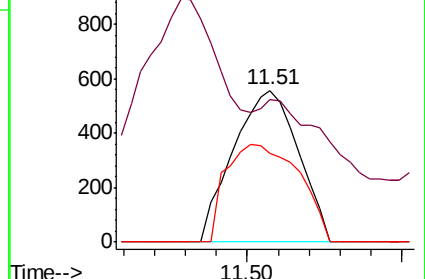
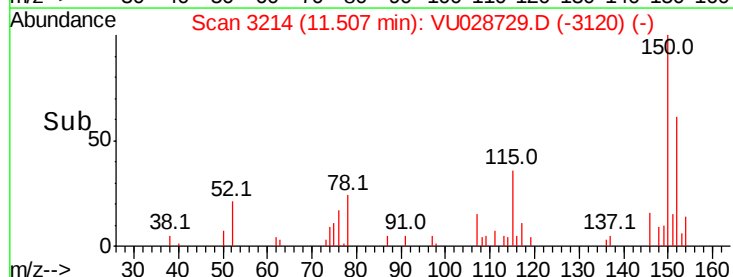
148 72.4 31.6 95.0

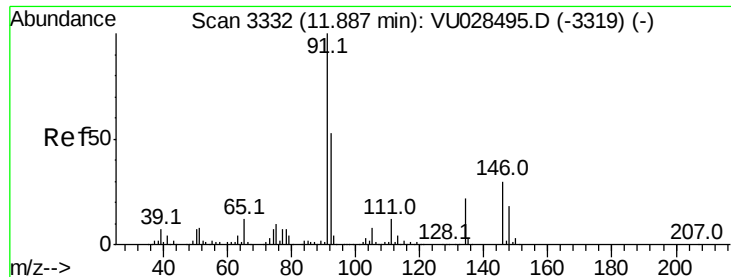


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

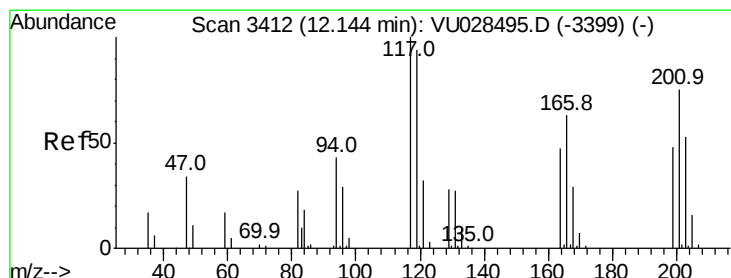
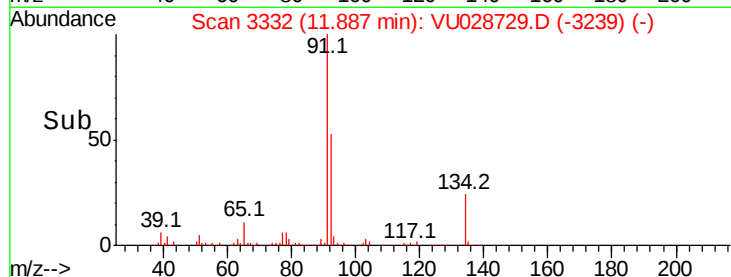
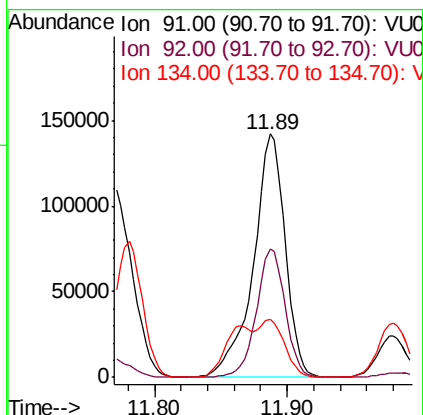
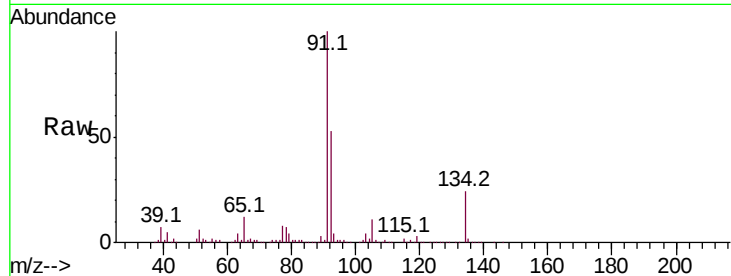




#89
n-Butylbenzene
Concen: 59.596 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028729.D
Acq: 17 Dec 2018 18:44

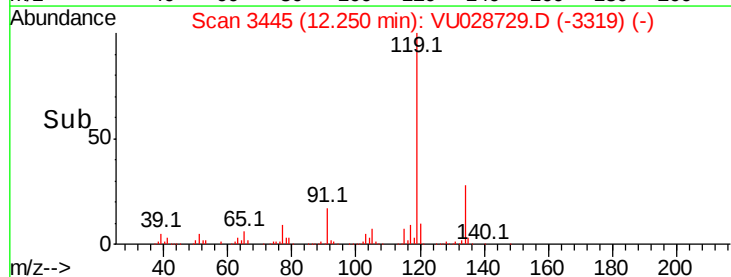
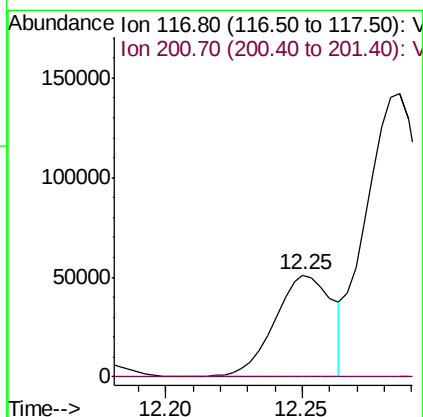
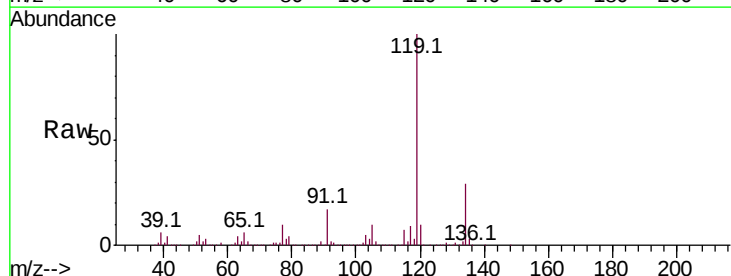
Instrument :
MSVOA_U
ClientSampleId :

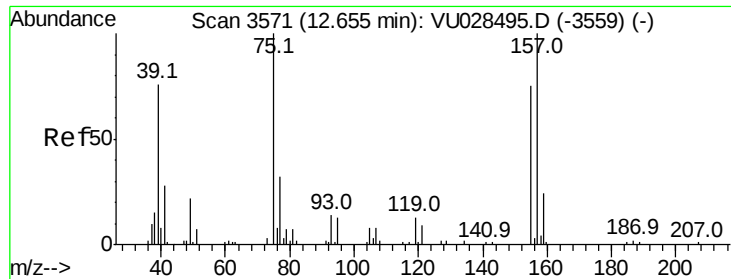
Tot Ion: 91 Resp: 235830
Ion Ratio Lower Upper
91 100
92 47.9 26.3 78.9
134 0.0 11.3 33.8#



#90
Hexachloroethane
Concen: 126.693 ug/l
RT: 12.25 min Scan# 3445
Delta R.T. 0.11 min
Lab File: VU028729.D
Acq: 17 Dec 2018 18:44

Tgt Ion: 117 Resp: 74875
Ion Ratio Lower Upper
117 100
201 0.0 38.1 114.5#

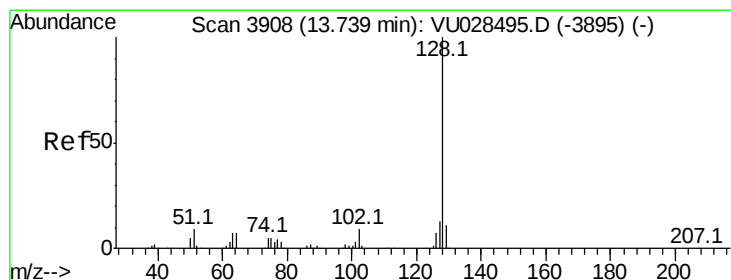
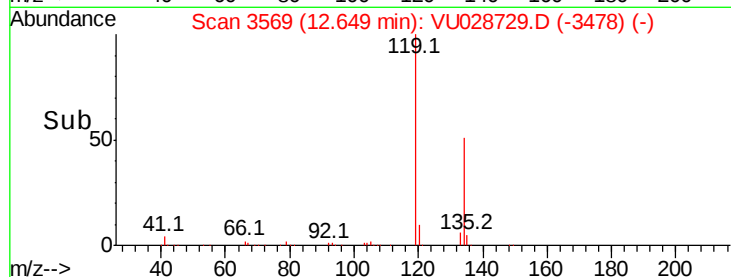
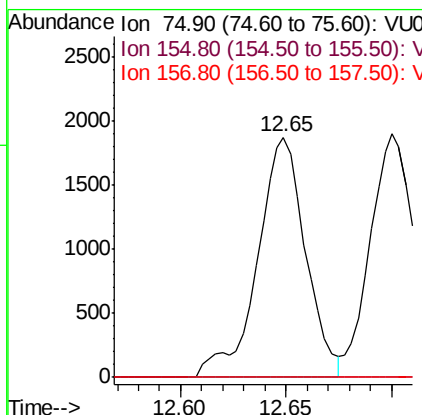
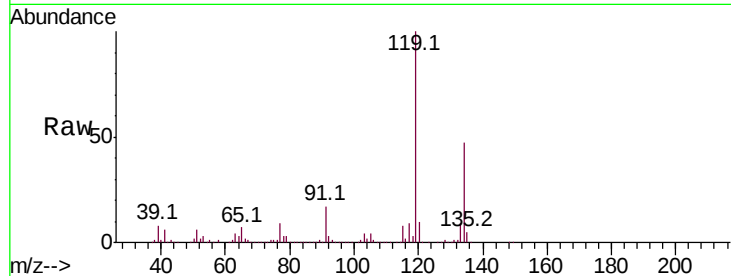




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.917 ug/l
 RT: 12.65 min Scan# 3569
 Delta R.T. -0.01 min
 Lab File: VU028729.D
 Acq: 17 Dec 2018 18:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 2957
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.1 114.5#
 157 0.0 48.7 146.1#



#95
 Naphthalene
 Concen: 2.097 ug/l
 RT: 13.74 min Scan# 3909
 Delta R.T. 0.00 min
 Lab File: VU028729.D
 Acq: 17 Dec 2018 18:44

Tgt Ion:128 Resp: 9984
 Ion Ratio Lower Upper
 128 100
 127 16.5 10.4 15.6#
 129 10.9 8.6 13.0

