

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010319\
 Data File : VU029004.D
 Acq On : 03 Jan 2019 18:01
 Operator : MD/SY
 Sample : K1043-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 04 07:49:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	131977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	219040	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	195294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	79818	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	81782	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
35) Dibromofluoromethane	4.88	113	70366	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
50) Toluene-d8	7.56	98	270796	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
62) 4-Bromofluorobenzene	10.30	95	86742	43.06	ug/l	0.00
Spiked Amount			Recovery	=	86.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1266	Below Cal		91
5) Bromomethane	1.61	94	125	Below Cal	#	60
11) Tert butyl alcohol	2.84	59	849	2.047	ug/l #	73
13) Acrolein	2.19	56	158	0.507	ug/l #	1
16) Acetone	2.32	43	4362	4.244	ug/l	96
17) Carbon Disulfide	2.47	76	1452	Below Cal	#	89
25) 2-Butanone	4.30	43	388	0.280	ug/l #	47
29) Tetrahydrofuran	4.66	42	316	0.375	ug/l #	30
36) 1,1-Dichloropropene	4.98	75	9155	4.181	ug/l #	48
38) Carbon Tetrachloride	4.98	117	11565	6.333	ug/l #	18
39) Methylcyclohexane	6.42	83	1337	0.497	ug/l #	87
40) Benzene	5.39	78	13727	2.010	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	750	0.299	ug/l	89
52) Toluene	7.64	92	69672	16.758	ug/l	98
53) t-1,3-Dichloropropene	7.64	75	826	0.324	ug/l #	1
59) 2-Hexanone	8.38	43	412	0.209	ug/l	86
67) Ethyl Benzene	9.25	91	35665	4.880	ug/l	98
68) m/p-Xylenes	9.37	106	59879	21.086	ug/l	99
69) o-Xylene	9.78	106	31161	11.388	ug/l	98
70) Styrene	9.78	104	2408	0.537	ug/l #	1
73) Isopropylbenzene	10.17	105	4496	0.761	ug/l	99
76) 1,2,3-Trichloropropane	10.30	75	41232	21.083	ug/l #	36
78) n-propylbenzene	10.59	91	15574	2.237	ug/l	99
79) 2-Chlorotoluene	10.68	91	11328	2.682	ug/l #	42
80) 1,3,5-Trimethylbenzene	10.77	105	28031	5.682	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.30	75	41232	54.375	ug/l #	100
82) 4-Chlorotoluene	10.77	91	3468	0.716	ug/l #	53
84) 1,2,4-Trimethylbenzene	11.15	105	113262	22.994	ug/l	99
85) sec-Butylbenzene	11.15	105	113262	19.259	ug/l #	57
86) p-Isopropyltoluene	11.47	119	10514	2.098	ug/l	97
89) n-Butylbenzene	11.89	91	6444	1.441	ug/l #	27
90) Hexachloroethane	12.15	117	1156	1.371	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.50	180	1653	0.910	ug/l #	69
94) Hexachlorobutadiene	13.69	225	229	0.276	ug/l #	54

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QLast Update : Fri Jan 04 02:22:53 2019
Response via : Initial Calibration

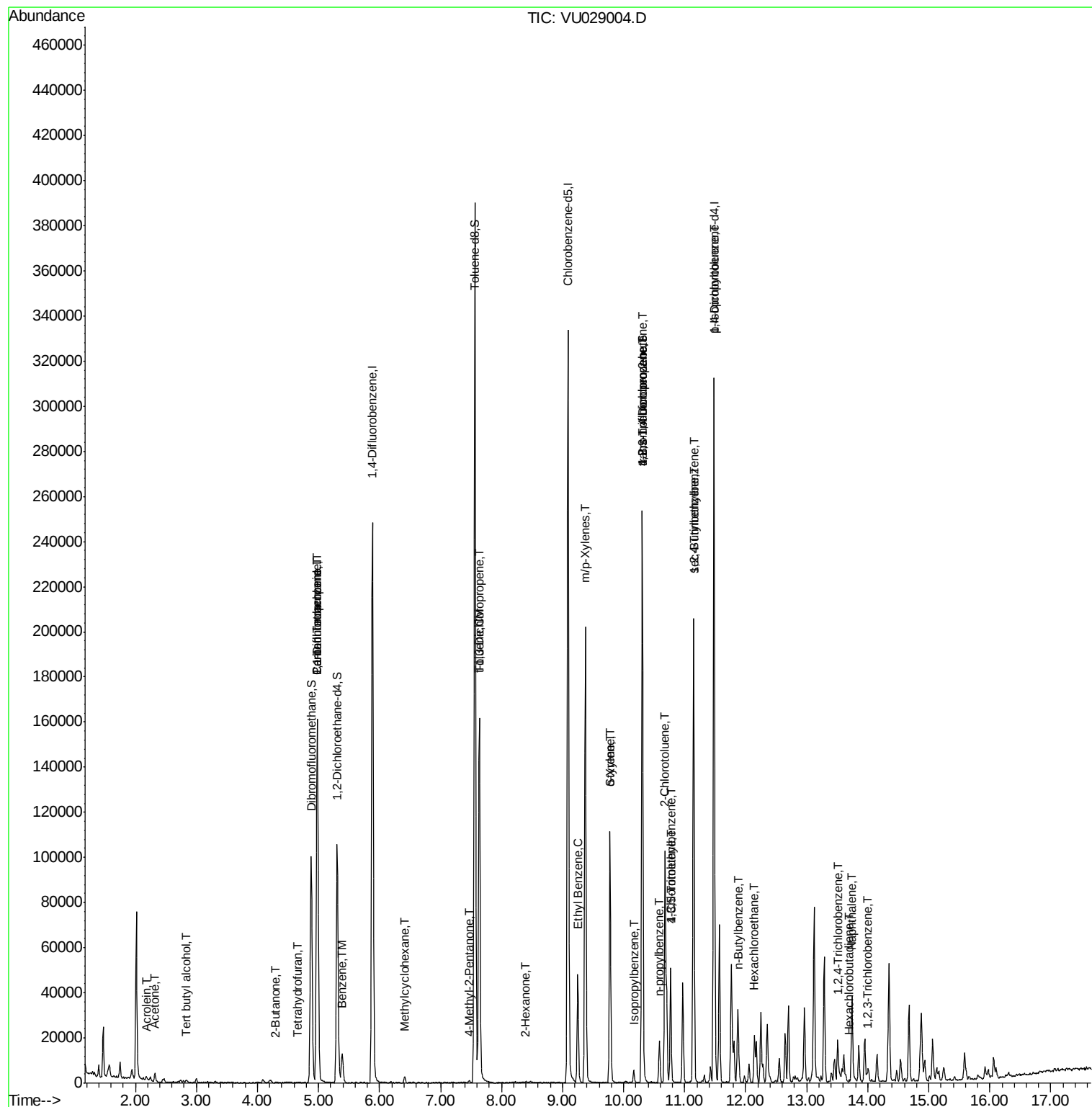
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	13.74	128	32564	5.272	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	1172	1.393	ug/l	96

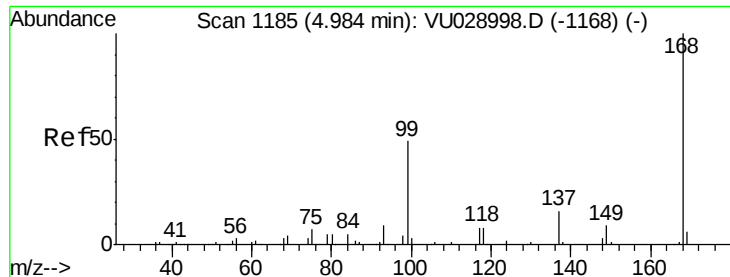
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

Instrument :

MSVOA_U

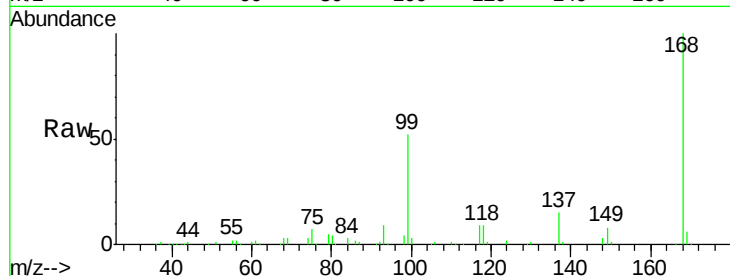
ClientSampleId :

Tot Ion:168 Resp: 131977

Ion Ratio Lower Upper

168 100

99 51.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

60000

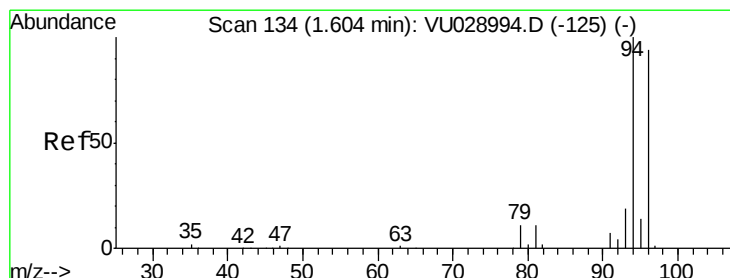
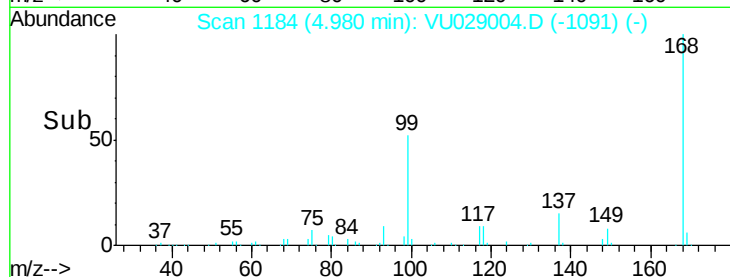
40000

20000

0

Time-->

4.90 5.00 5.10



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 137

Delta R.T. 0.01 min

Lab File: VU029004.D

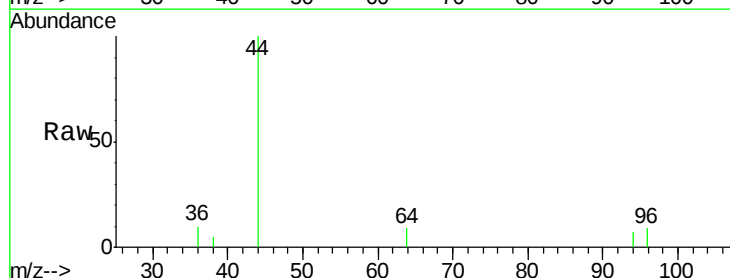
Acq: 03 Jan 2019 18:01

Tgt Ion: 94 Resp: 125

Ion Ratio Lower Upper

94 100

96 133.1 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VU028994.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VU028994.D (-125) (-)

1.61

250

200

150

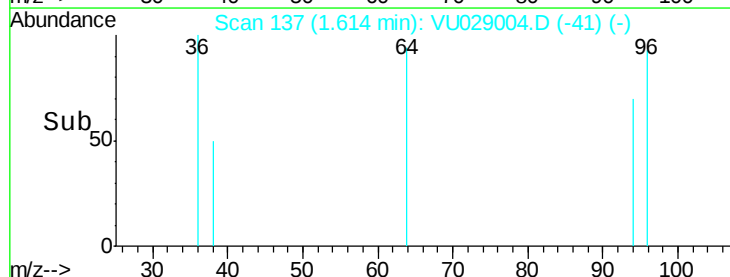
100

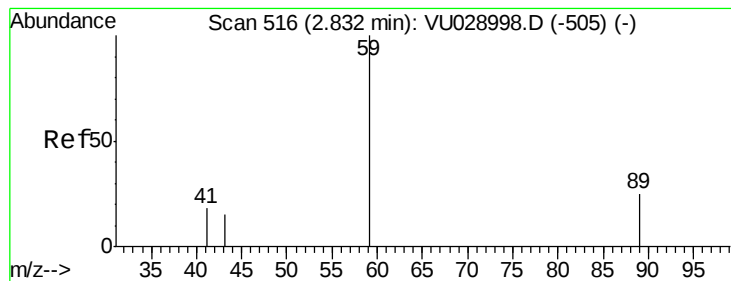
50

0

Time-->

1.59 1.60 1.61 1.62 1.63



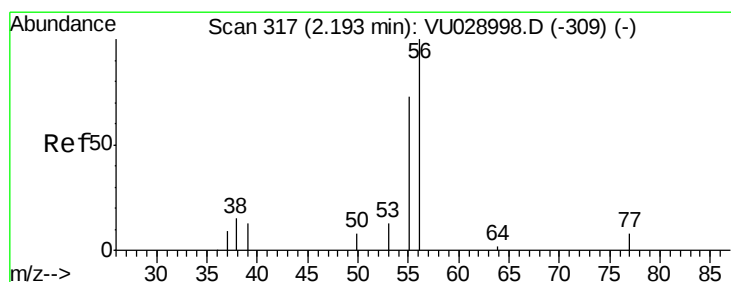
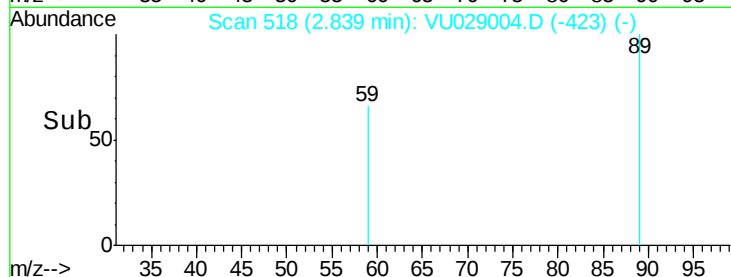
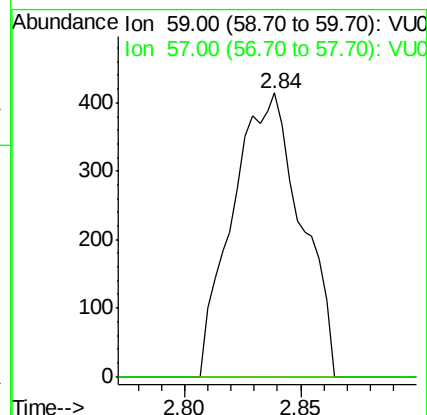
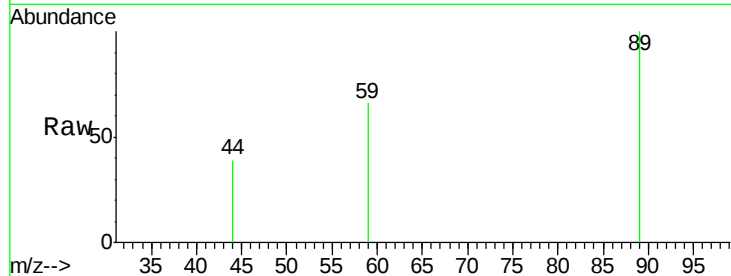


#11

Tert butvl alcohol
 Concen: 2.047 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

Instrument :
 MSVOA_U
 ClientSampleId :

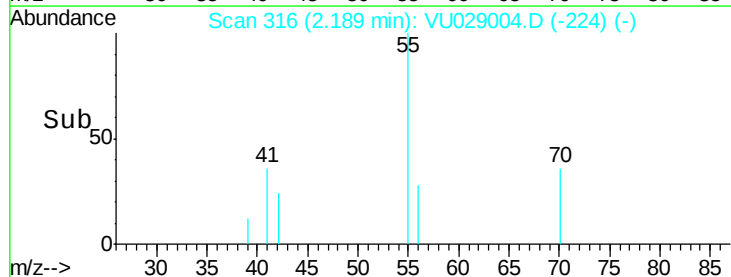
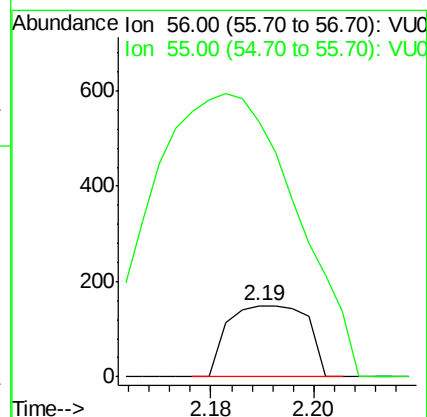
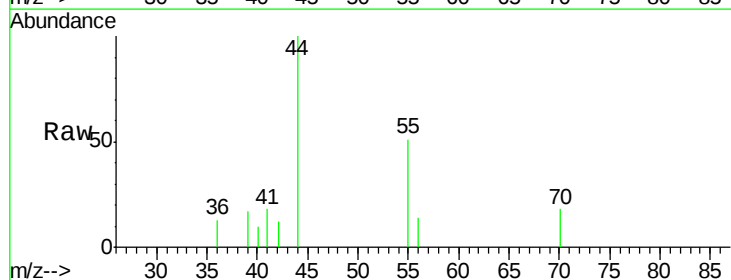
Tot Ion: 59 Resp: 849
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

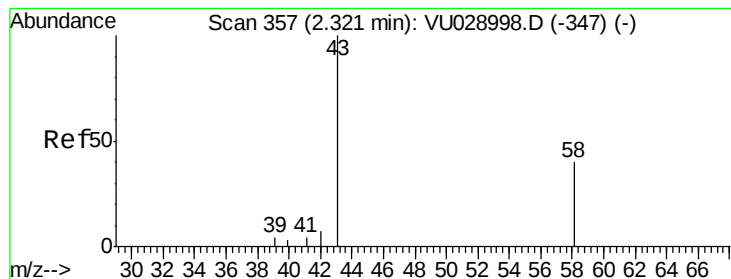


#13

Acrolein
 Concen: 0.507 ug/l
 RT: 2.19 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

Tgt Ion: 56 Resp: 158
 Ion Ratio Lower Upper
 56 100
 55 724.7 56.5 84.7#





#16

Acetone

Concen: 4.244 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

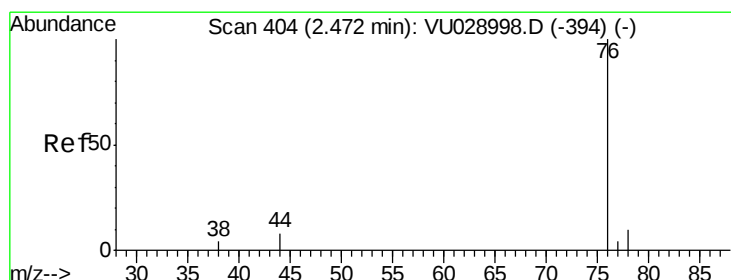
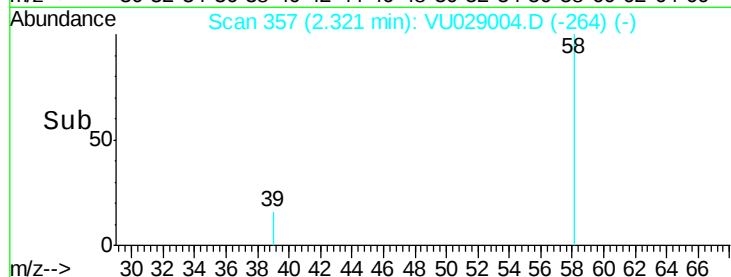
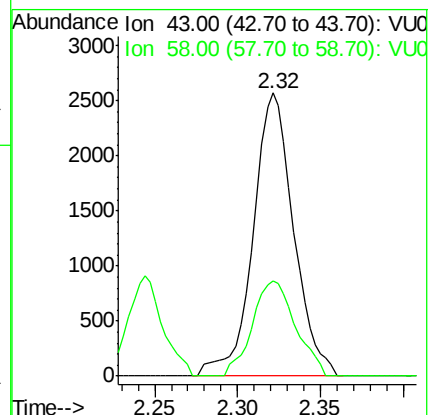
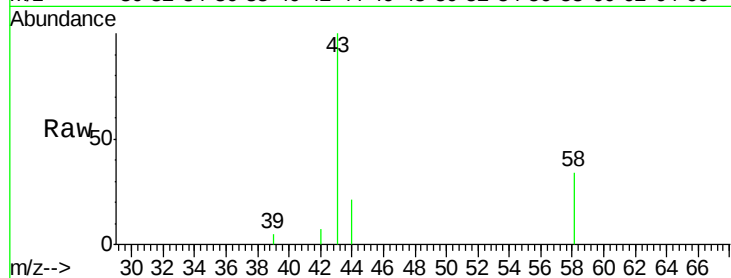
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 4362

Ion Ratio Lower Upper

43 100

58 33.6 28.6 42.8



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029004.D

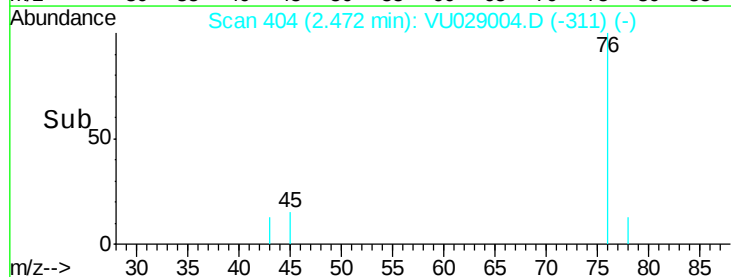
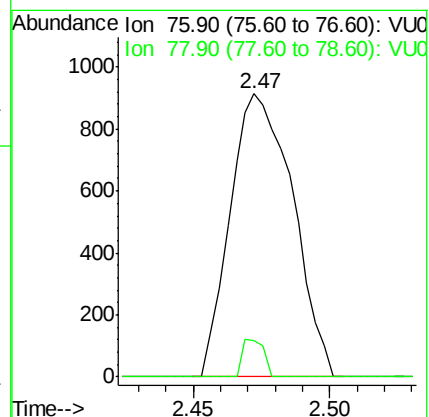
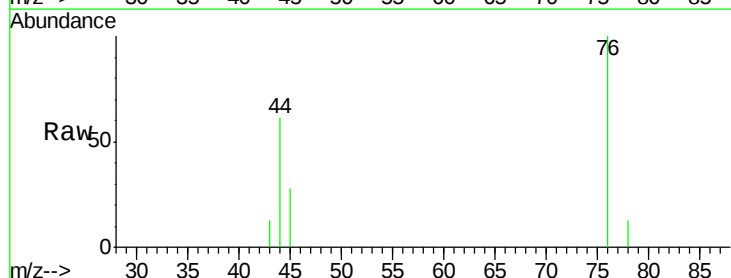
Acq: 03 Jan 2019 18:01

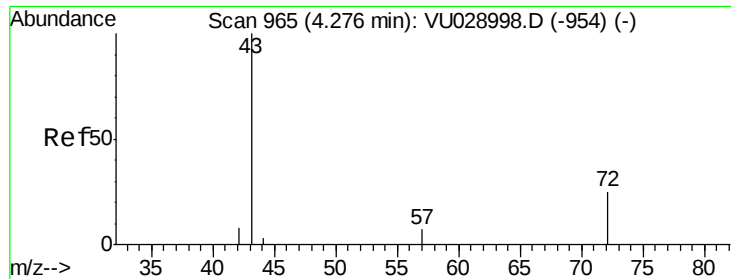
Tgt Ion: 76 Resp: 1452

Ion Ratio Lower Upper

76 100

78 12.8 7.2 10.8#





#25

2-Butanone

Concen: 0.280 ug/l

RT: 4.30 min Scan# 971

Delta R.T. 0.04 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

Instrument :

MSVOA_U

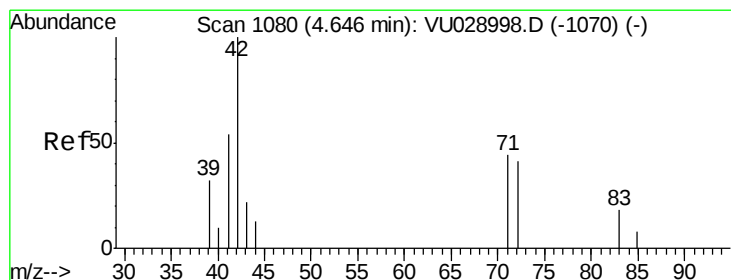
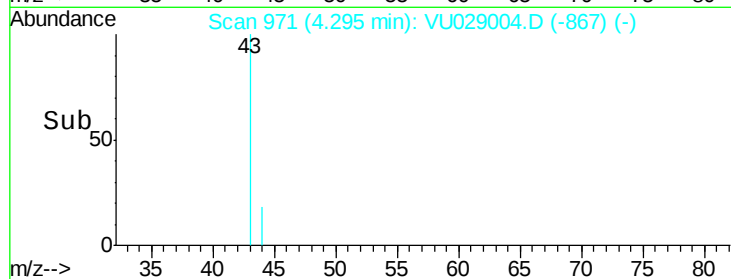
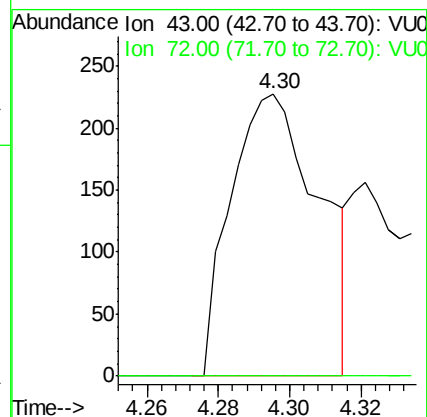
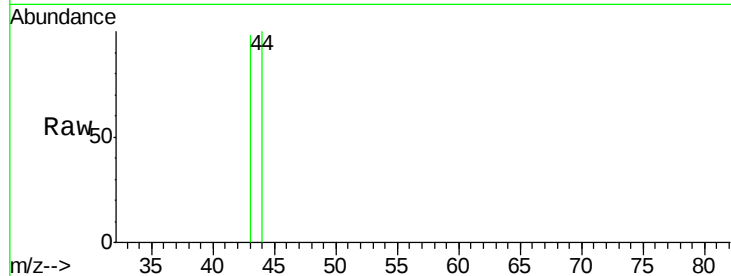
ClientSampleId :

Tot Ion: 43 Resp: 388

Ion Ratio Lower Upper

43 100

72 0.0 22.6 33.8#



#29

Tetrahydrofuran

Concen: 0.375 ug/l

RT: 4.66 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

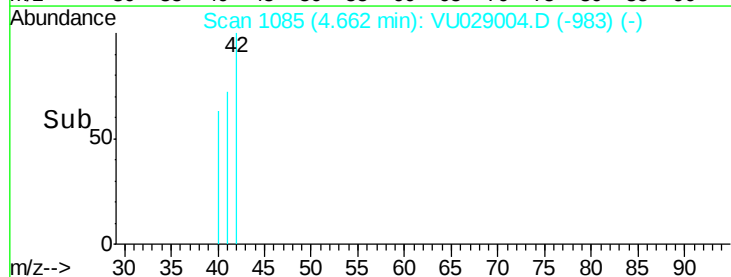
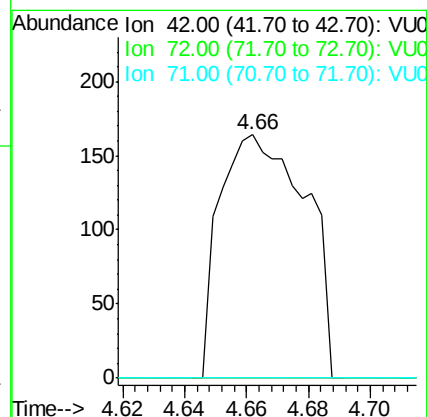
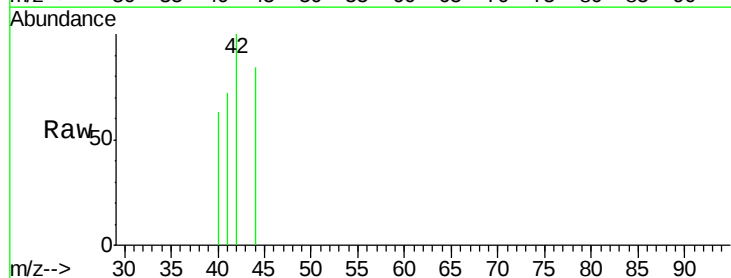
Tgt Ion: 42 Resp: 316

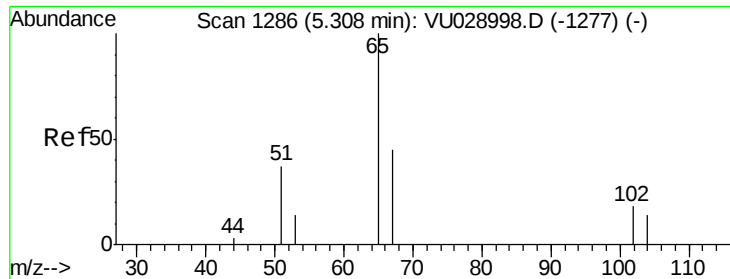
Ion Ratio Lower Upper

42 100

72 0.0 38.3 57.5#

71 0.0 36.1 54.1#

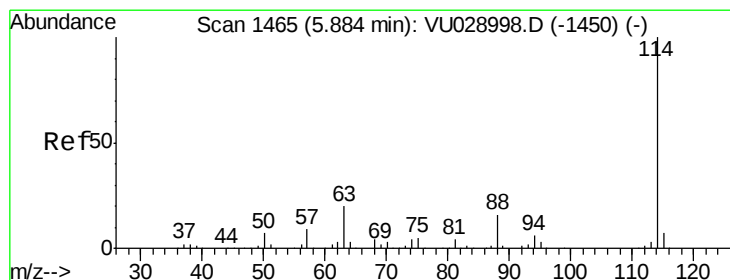
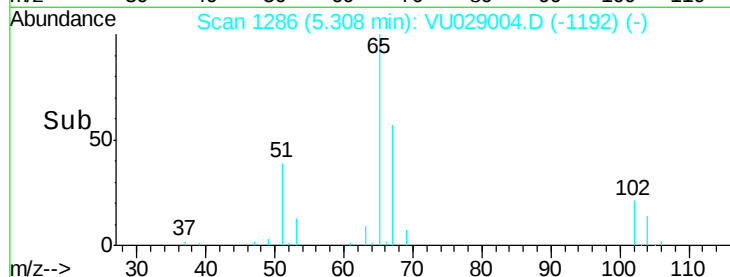
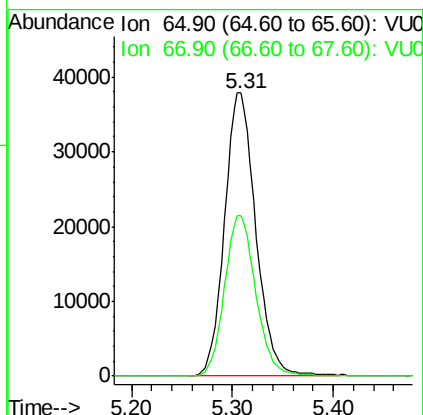
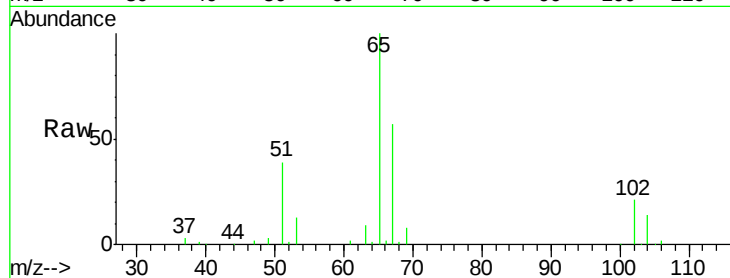




#33
 1,2-Dichloroethane-d4
 Concen: 50.127 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

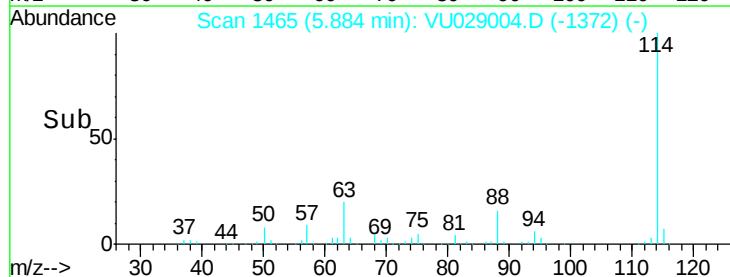
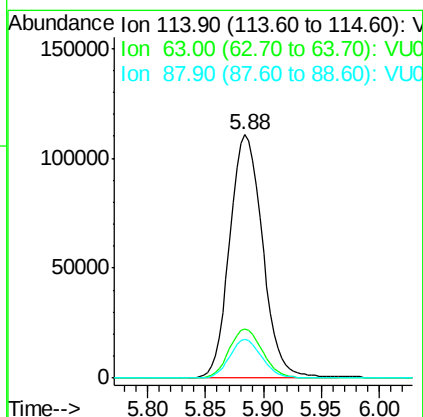
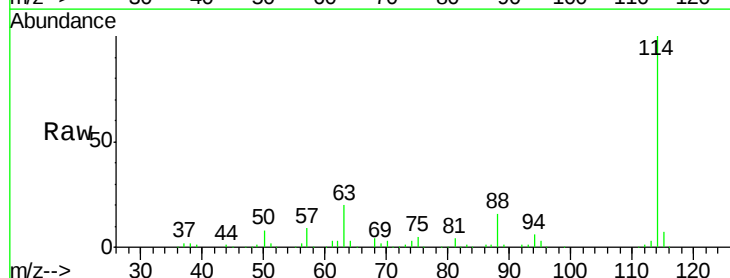
Instrument :
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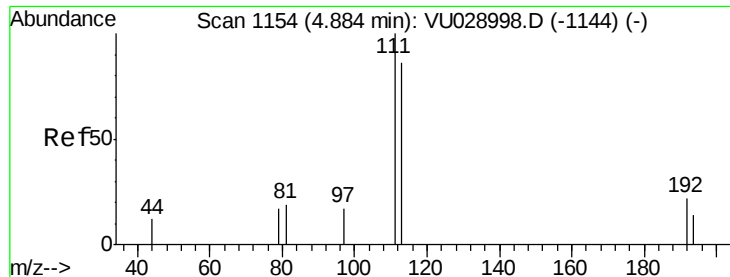
Tot Ion: 65 Resp: 81782
 Ion Ratio Lower Upper
 65 100
 67 56.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

Tgt Ion: 114 Resp: 219040
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.2
 88 16.0 0.0 30.4

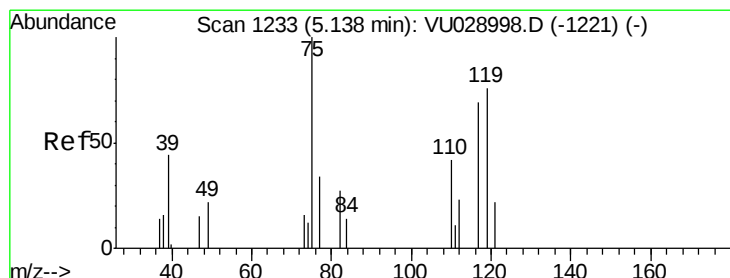
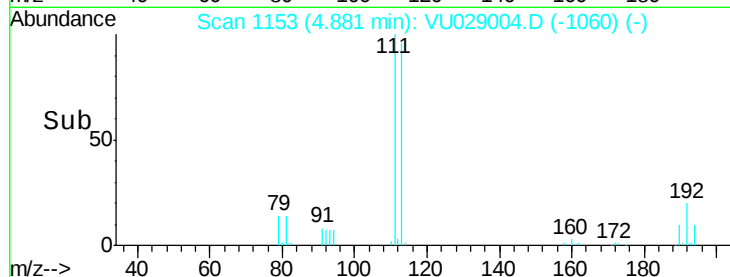
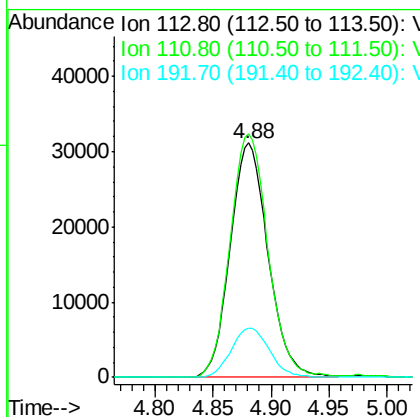
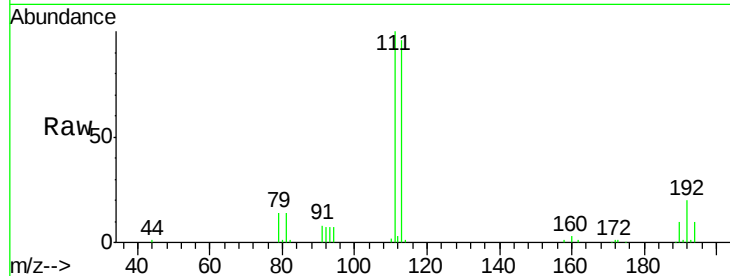




#35
 Dibromofluoromethane
 Concen: 49.558 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

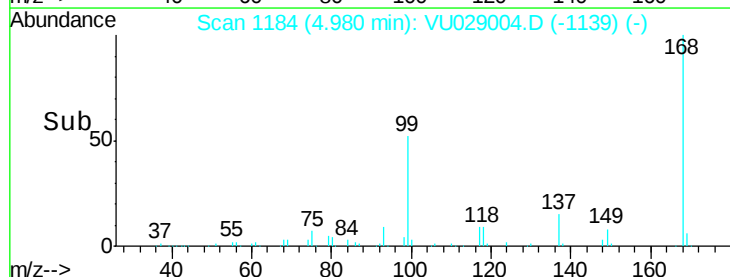
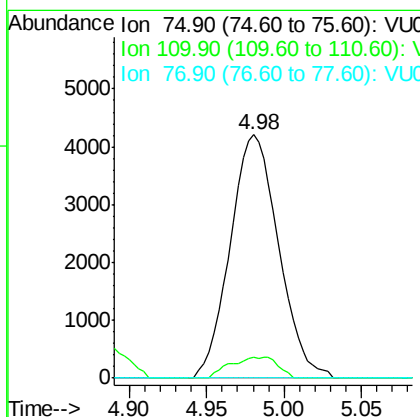
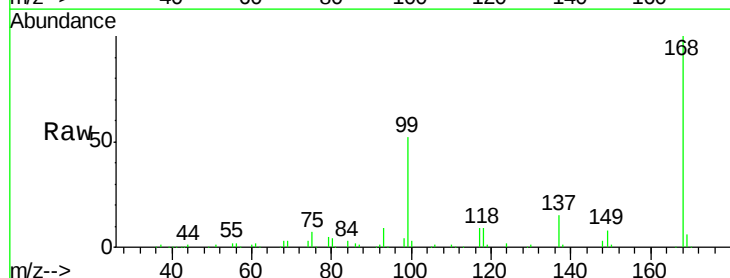
Instrument :
 MSVOA_U
 ClientSampleId :

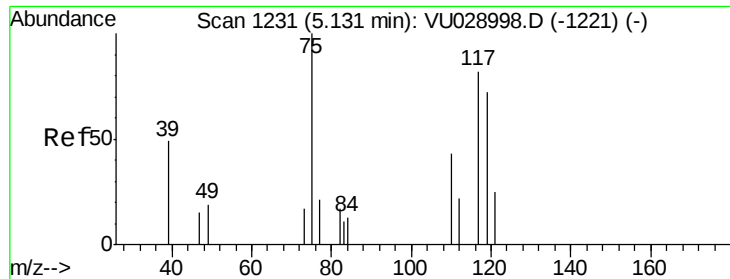
Tot Ion:113 Resp: 70366
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.4 122.2
 192 21.3 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.181 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

Tgt Ion: 75 Resp: 9155
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.4#
 77 0.0 25.1 37.7#

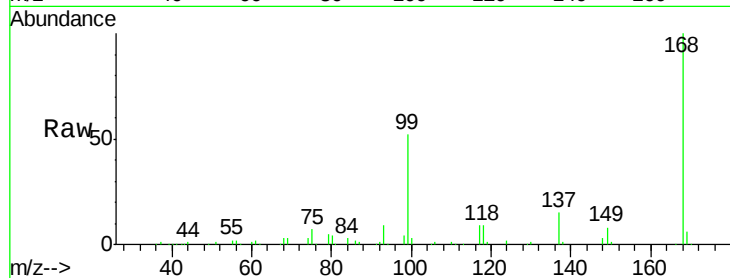




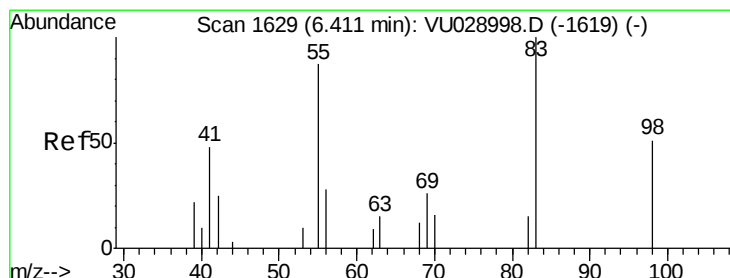
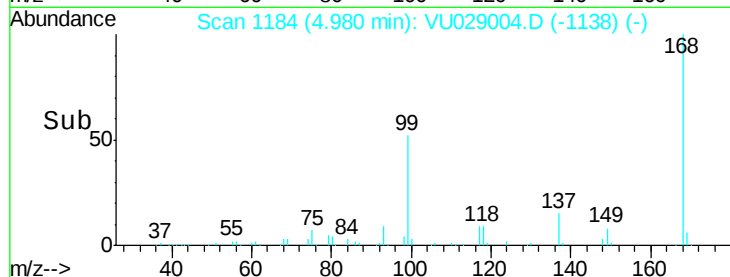
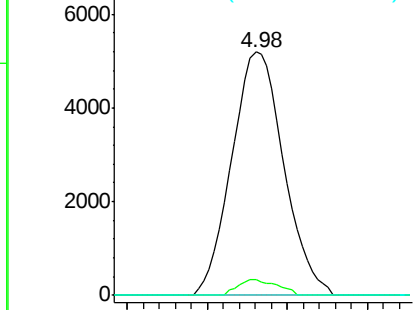
#38
Carbon Tetrachloride
Concen: 6.333 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.15 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 11565
Ion Ratio Lower Upper
117 100
119 6.3 74.6 111.8#
121 0.0 25.0 37.6#

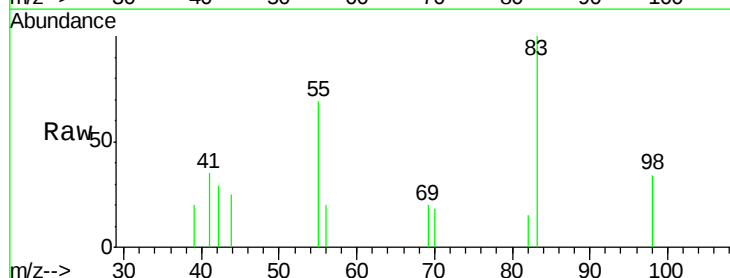


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

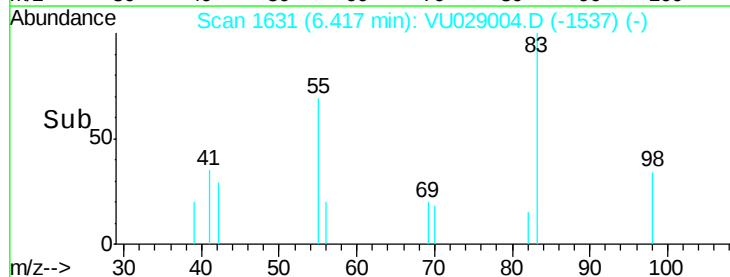
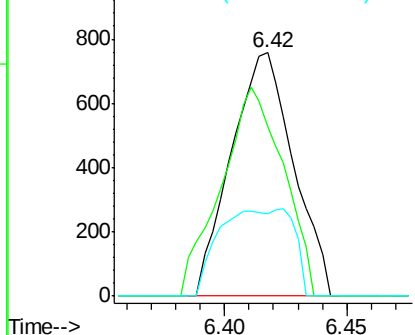


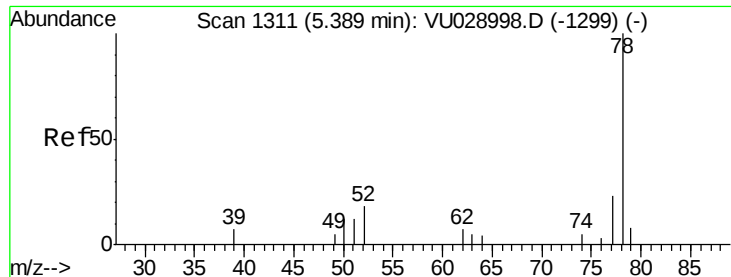
#39
Methylcyclohexane
Concen: 0.497 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Tgt Ion: 83 Resp: 1337
Ion Ratio Lower Upper
83 100
55 69.4 62.4 93.6
98 34.0 36.2 54.2#



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

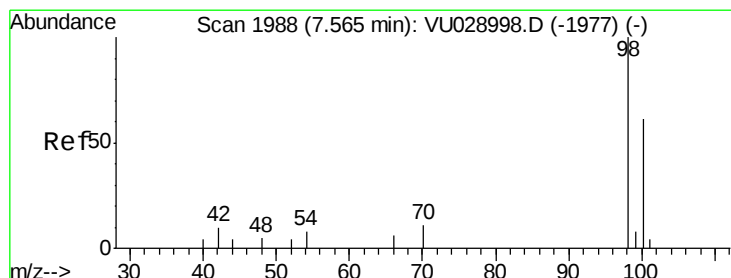
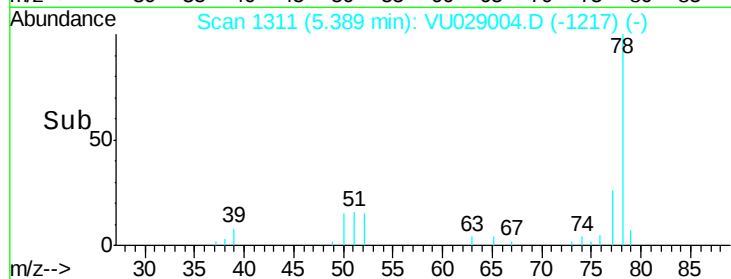
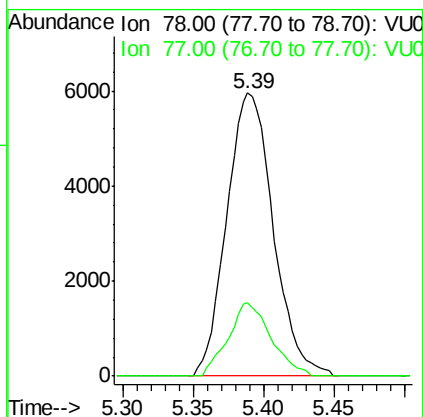
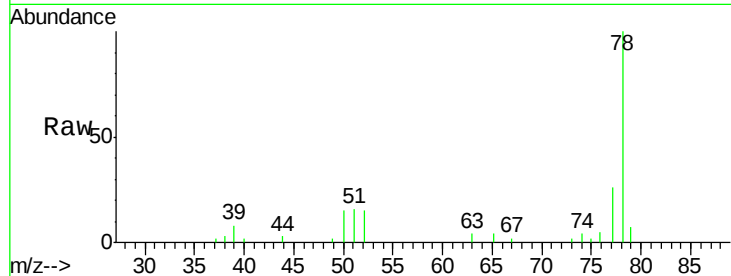




#40
Benzene
Concen: 2.010 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

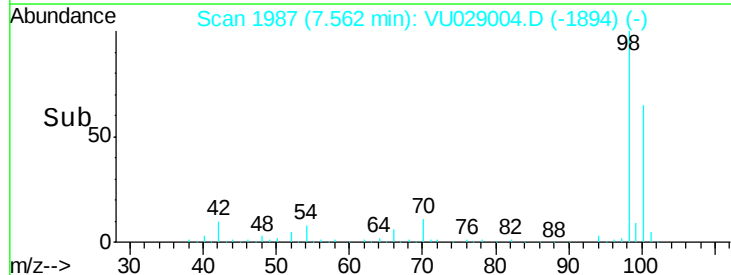
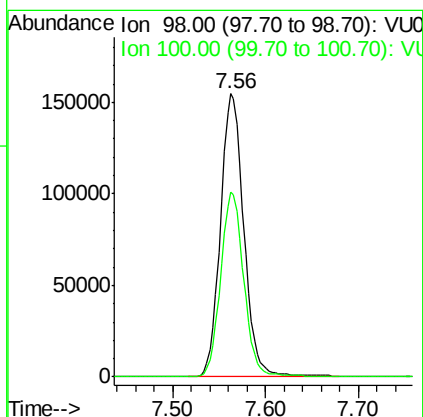
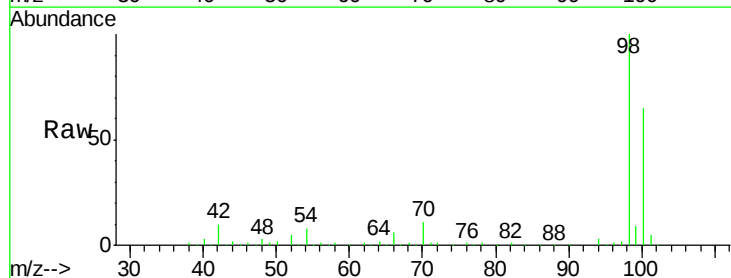
Instrument :
MSVOA_U
ClientSampleId :

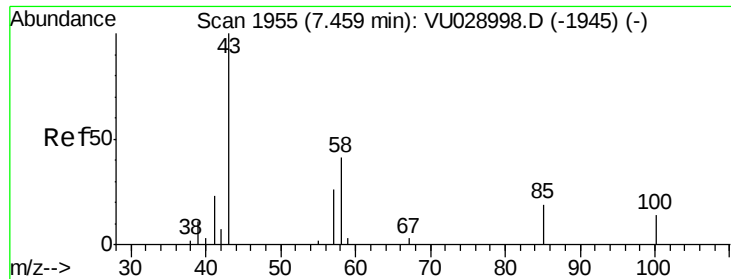
Tot Ion: 78 Resp: 13727
Ion Ratio Lower Upper
78 100
77 25.8 18.9 28.3



#50
Toluene-d8
Concen: 48.309 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Tgt Ion: 98 Resp: 270796
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.299 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

Instrument :

MSVOA_U

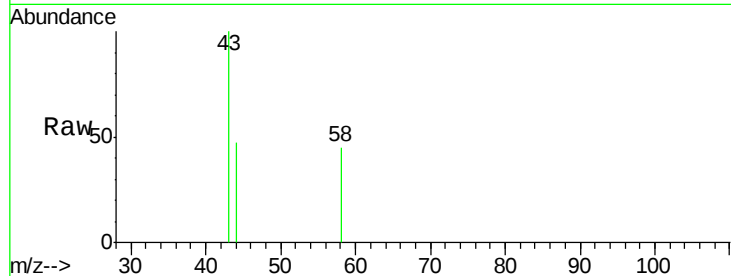
ClientSampled :

Tot Ion: 43 Resp: 750

Ion Ratio Lower Upper

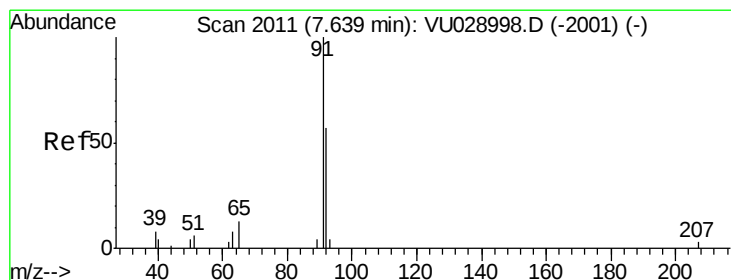
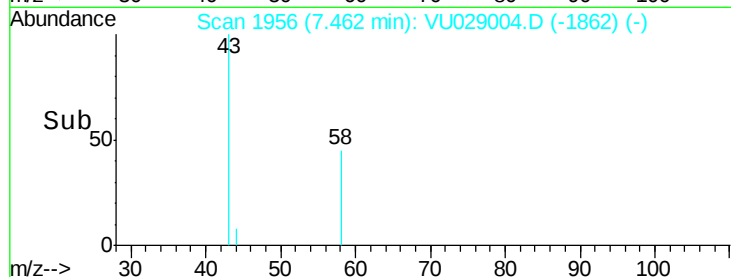
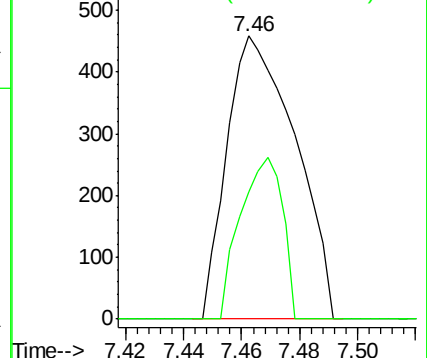
43 100

58 35.2 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 16.758 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029004.D

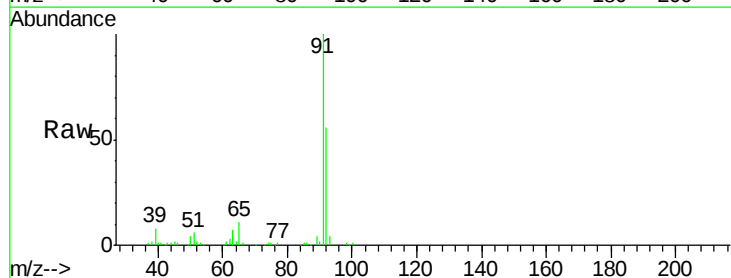
Acq: 03 Jan 2019 18:01

Tgt Ion: 92 Resp: 69672

Ion Ratio Lower Upper

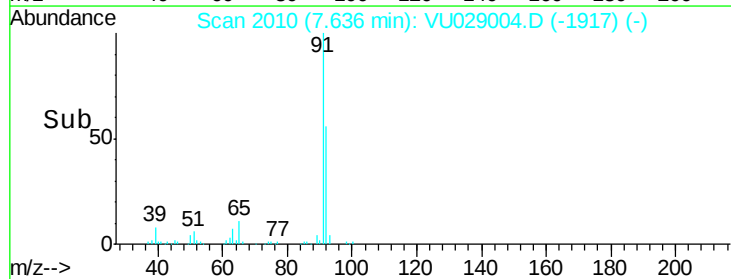
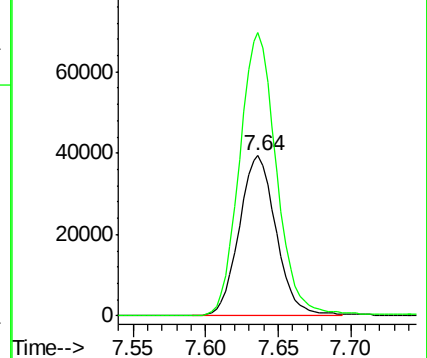
92 100

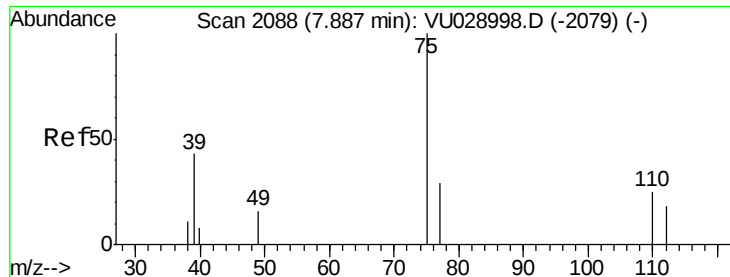
91 177.1 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

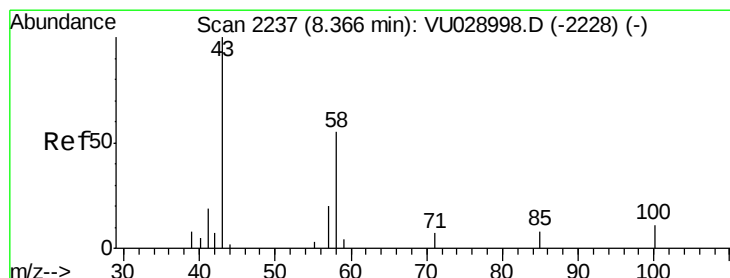
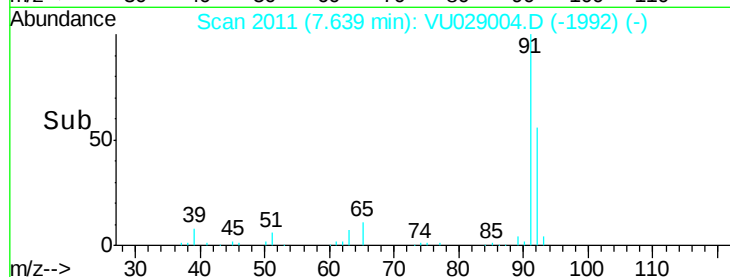
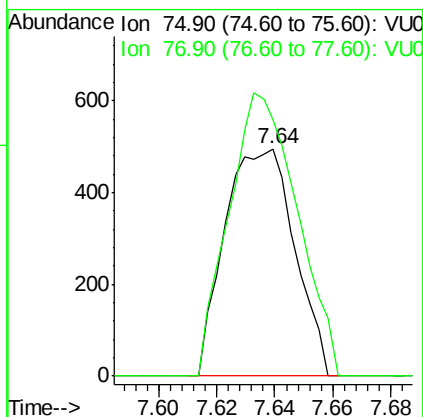
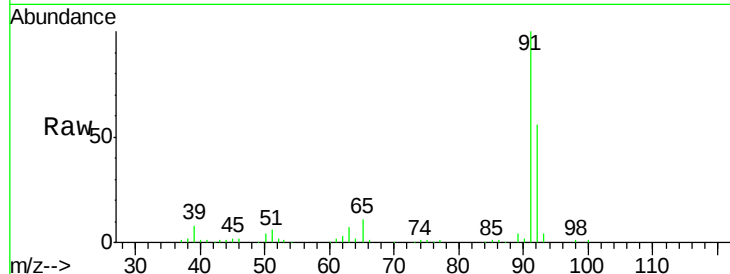




#53
t-1,3-Dichloropropene
Concen: 0.324 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. -0.24 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

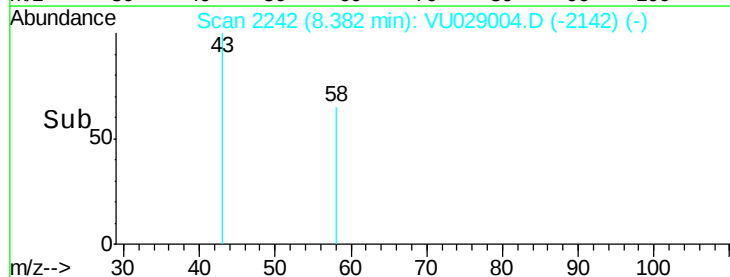
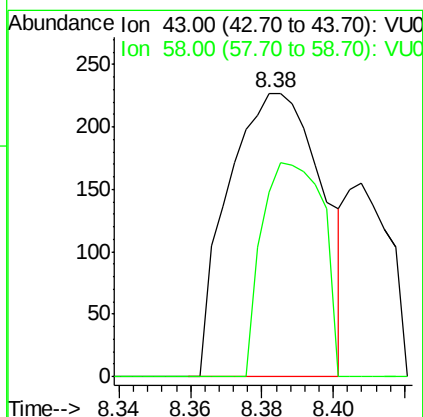
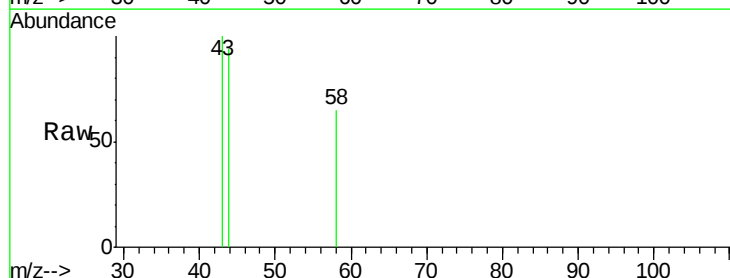
Instrument :
MSVOA_U
ClientSampleId :

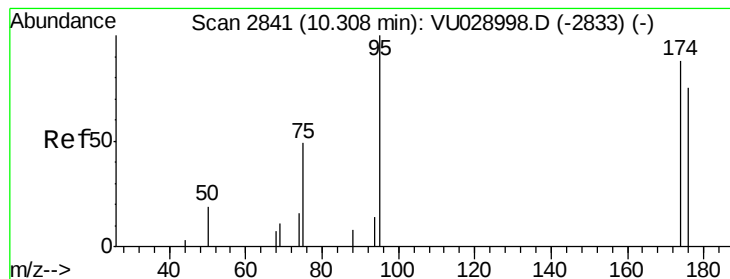
Tot Ion: 75 Resp: 826
Ion Ratio Lower Upper
75 100
77 112.9 25.0 37.4#



#59
2-Hexanone
Concen: 0.209 ug/l
RT: 8.38 min Scan# 2242
Delta R.T. 0.02 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Tgt Ion: 43 Resp: 412
Ion Ratio Lower Upper
43 100
58 49.0 29.8 89.4





#62

4-Bromofluorobenzene

Concen: 43.058 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

Instrument :

MSVOA_U

ClientSampleId :

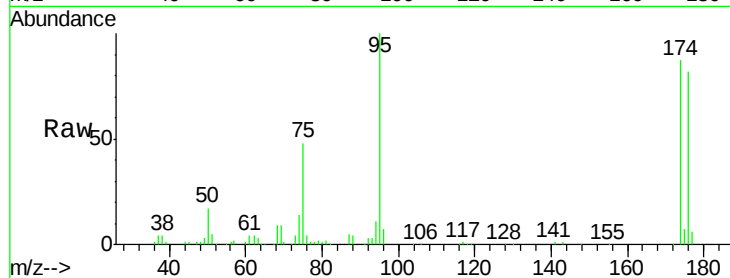
Tot Ion: 95 Resp: 86742

Ion Ratio Lower Upper

95 100

174 85.9 0.0 170.6

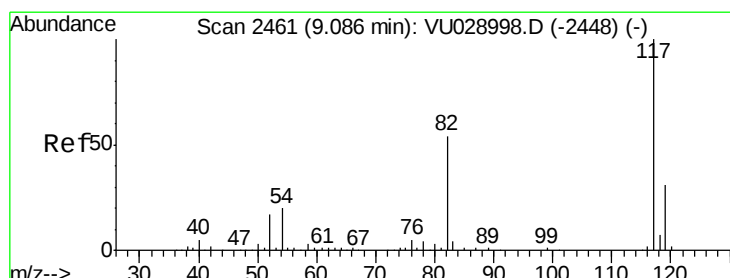
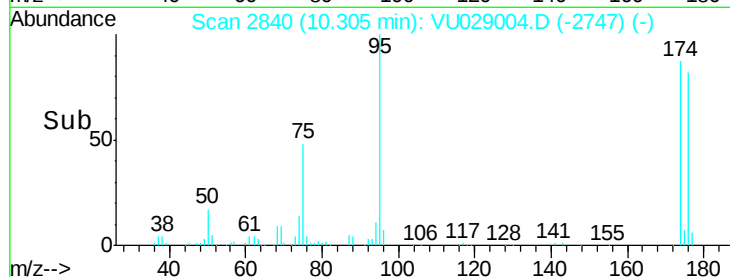
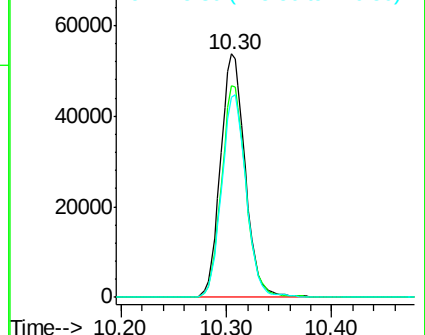
176 82.7 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU028998.D (-2833) (-)

Ion 173.80 (173.50 to 174.50): VU028998.D (-2833) (-)

Ion 175.80 (175.50 to 176.50): VU028998.D (-2833) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

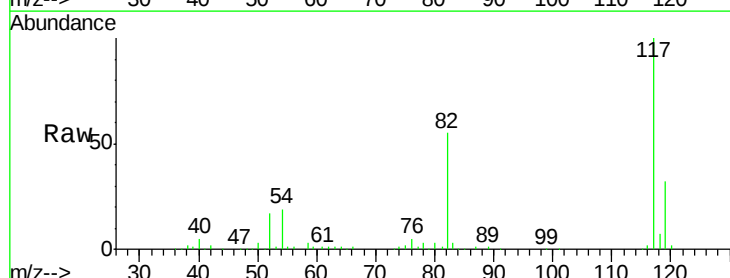
Tgt Ion: 117 Resp: 195294

Ion Ratio Lower Upper

117 100

82 55.1 43.9 65.9

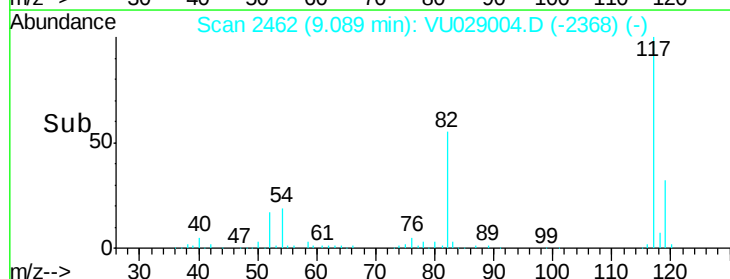
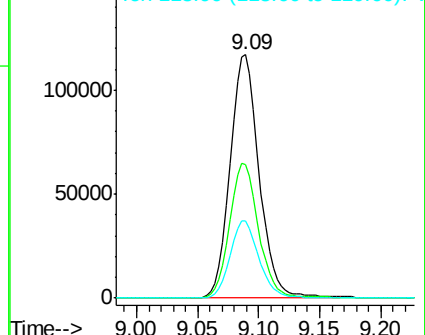
119 31.5 26.0 39.0

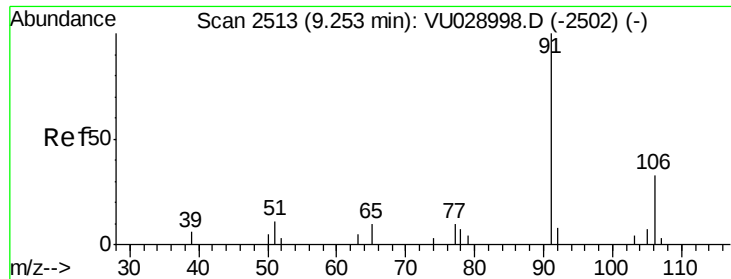


Abundance Ion 116.90 (116.60 to 117.60): VU028998.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028998.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028998.D (-2448) (-)

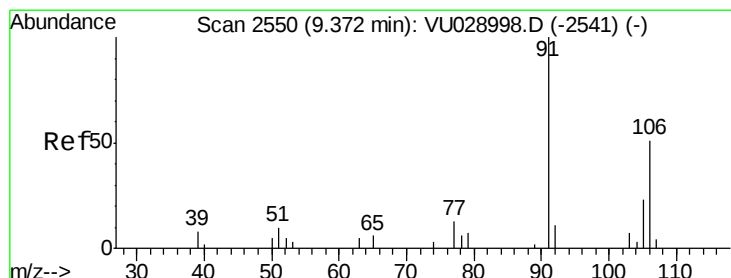
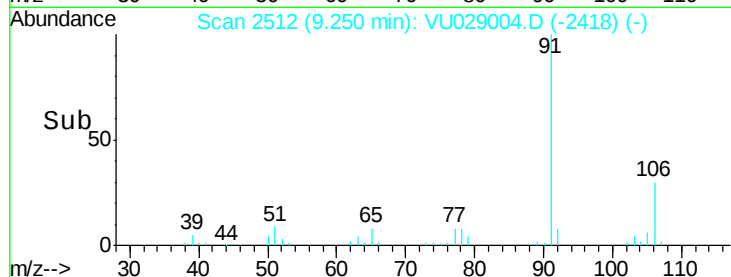
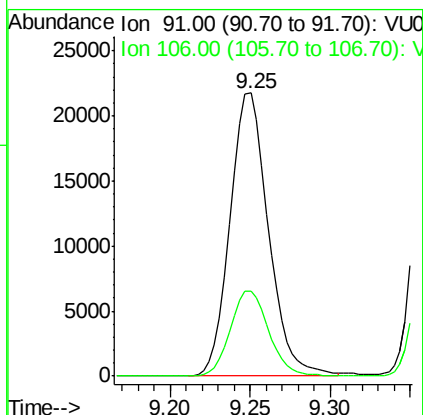
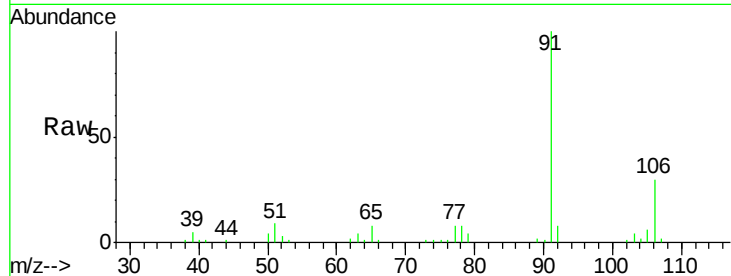




#67
Ethyl Benzene
Concen: 4.880 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

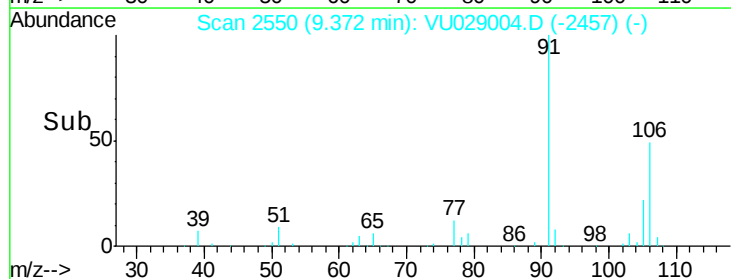
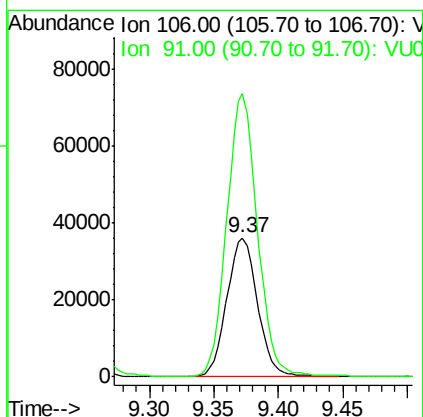
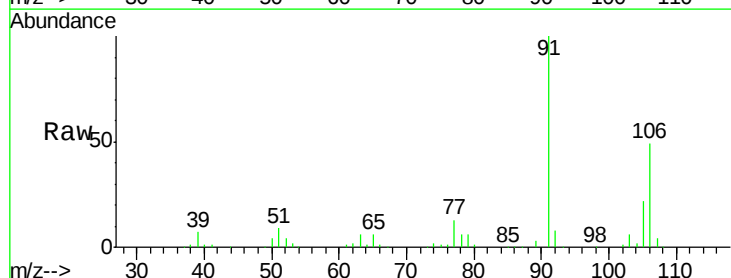
Instrument :
MSVOA_U
ClientSampleId :

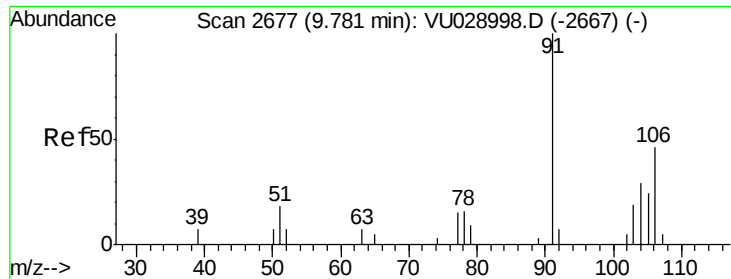
Tot Ion: 91 Resp: 35665
Ion Ratio Lower Upper
91 100
106 30.0 25.0 37.4



#68
m/p-Xylenes
Concen: 21.086 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Tgt Ion: 106 Resp: 59879
Ion Ratio Lower Upper
106 100
91 200.8 161.7 242.5

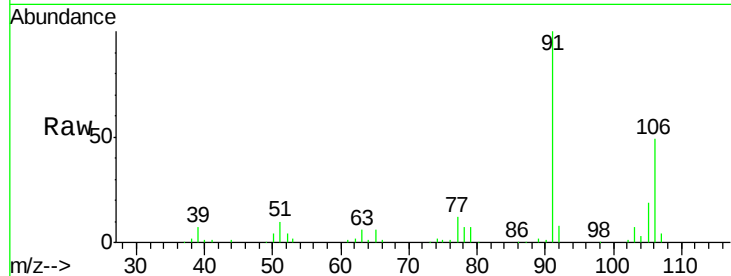




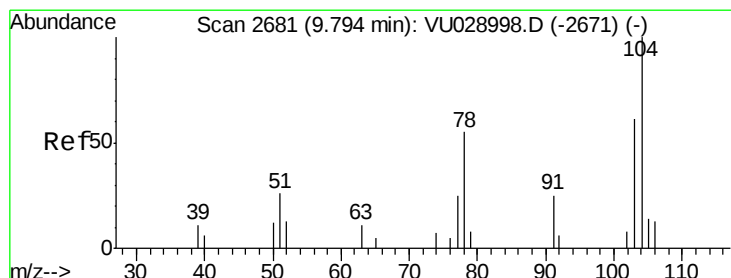
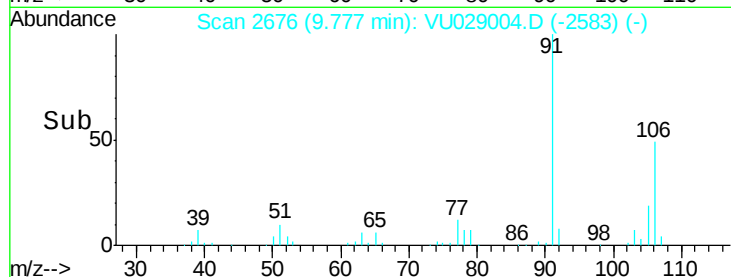
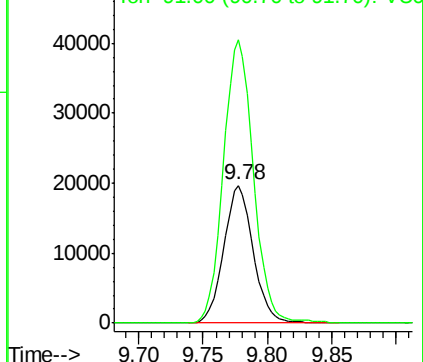
#69
o-Xylene
Concen: 11.388 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 31161
Ion Ratio Lower Upper
106 100
91 209.7 106.1 318.3

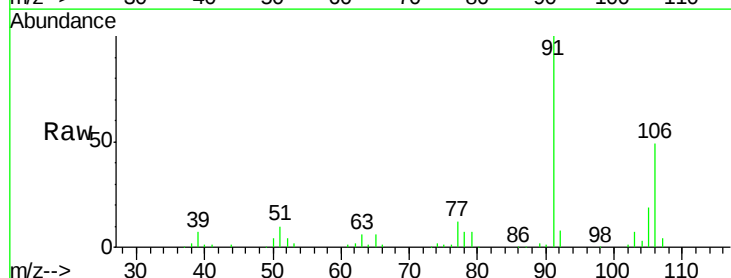


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

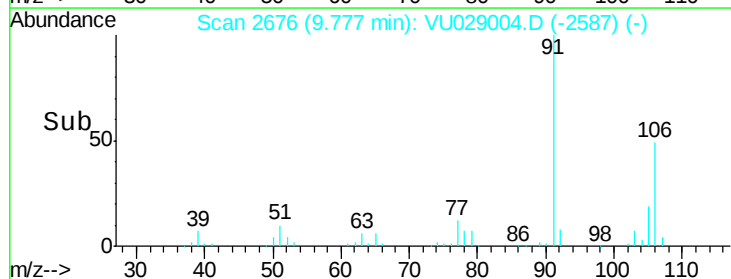
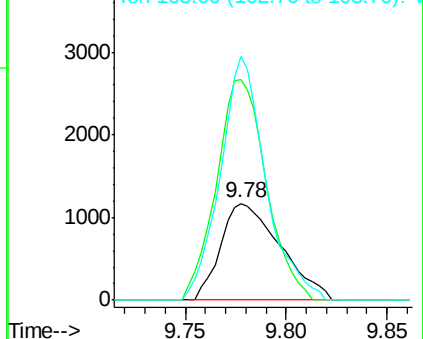


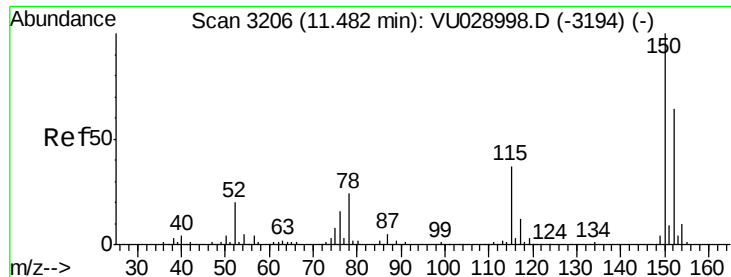
#70
Styrene
Concen: 0.537 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.01 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Tgt Ion:104 Resp: 2408
Ion Ratio Lower Upper
104 100
78 190.3 38.6 58.0#
103 192.2 44.5 66.7#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): 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: VU029004.D

Acq: 03 Jan 2019 18:01

Instrument :

MSVOA_U

ClientSampleId :

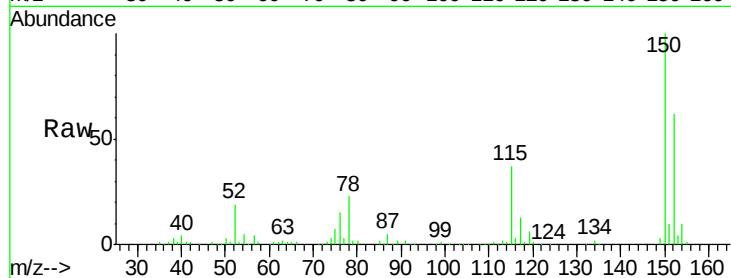
Tot Ion:152 Resp: 79818

Ion Ratio Lower Upper

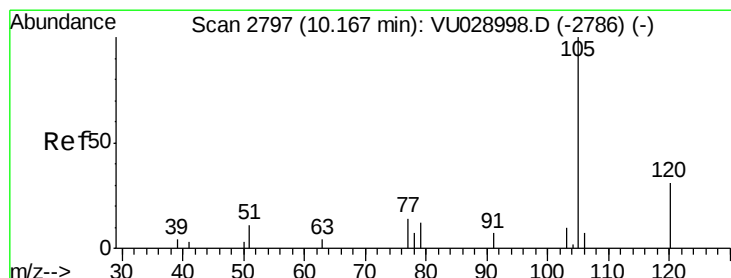
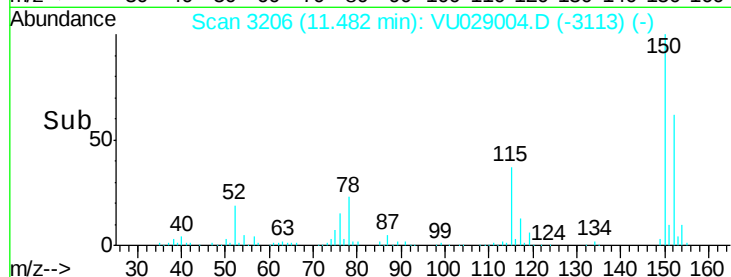
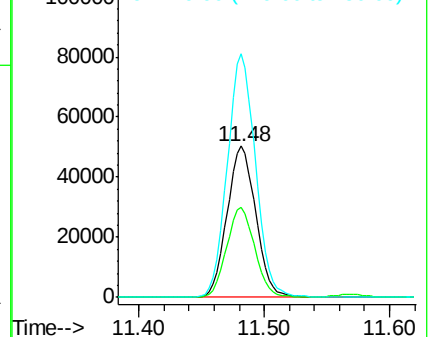
152 100

115 58.3 40.1 120.3

150 158.4 0.0 345.2



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: 0.761 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU029004.D

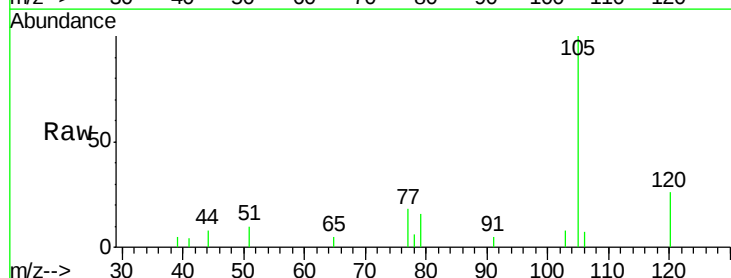
Acq: 03 Jan 2019 18:01

Tgt Ion:105 Resp: 4496

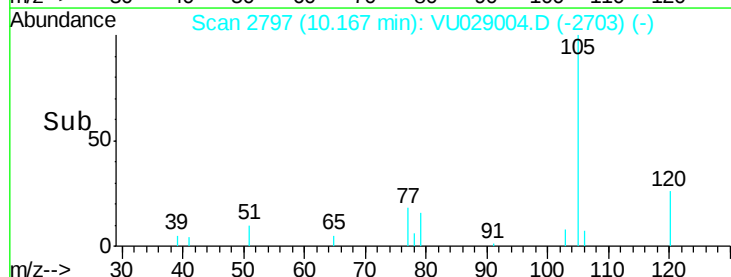
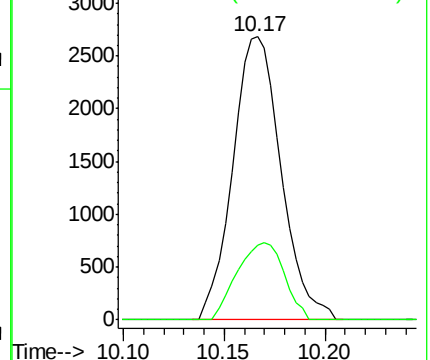
Ion Ratio Lower Upper

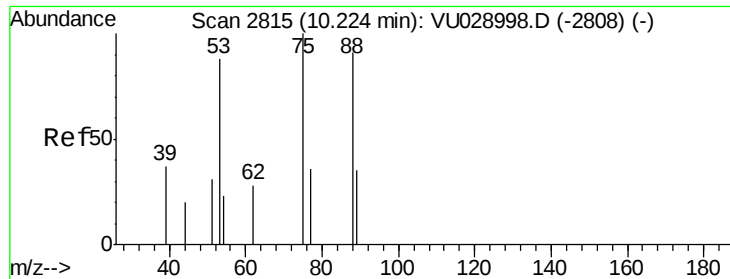
105 100

120 26.7 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

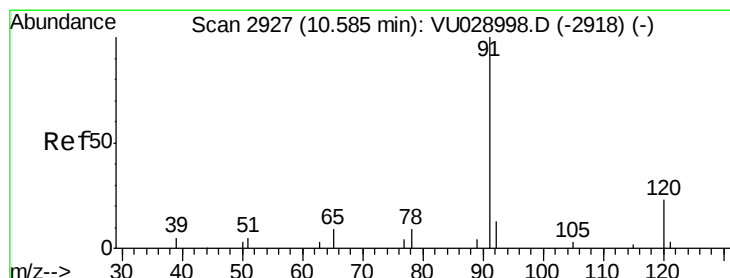
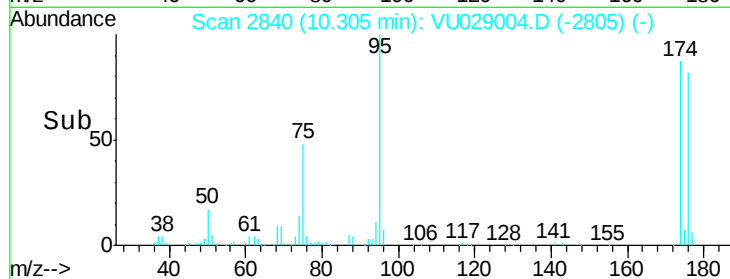
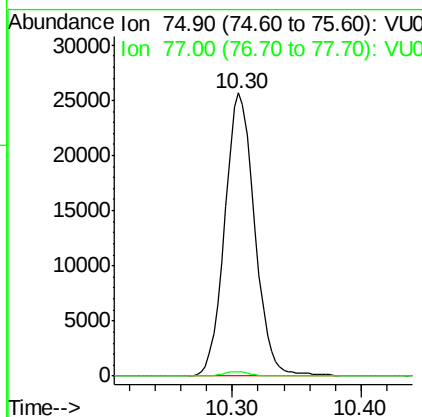
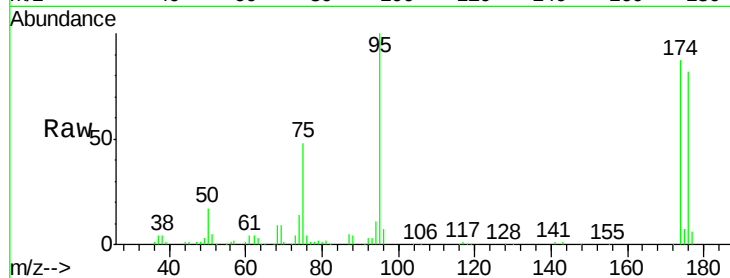




#76
 1,2,3-Trichloropropane
 Concen: 21.083 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

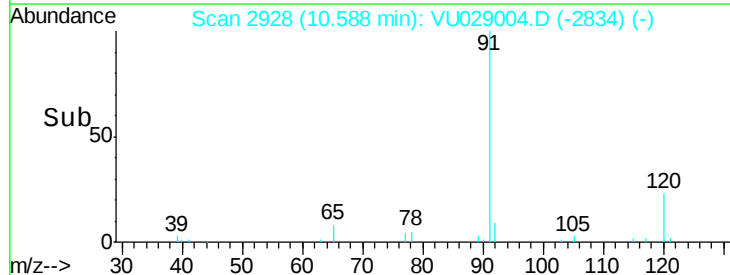
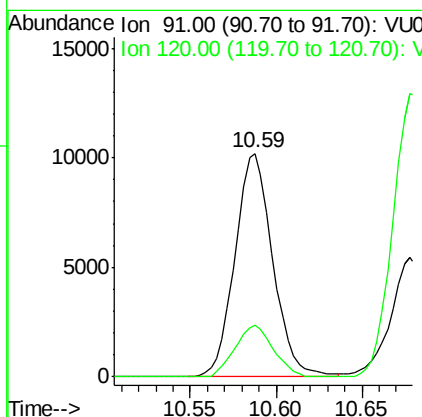
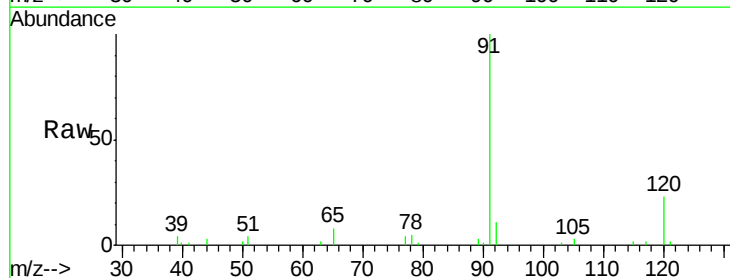
Instrument :
 MSVOA_U
 ClientSampleId :

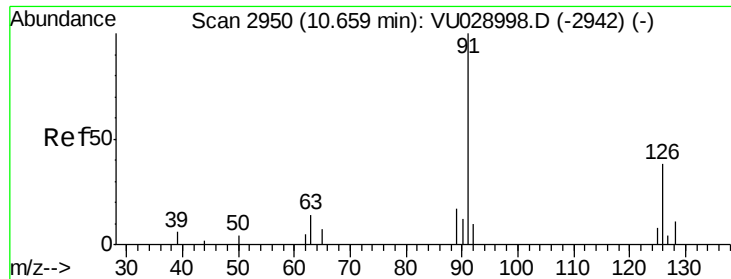
Tot Ion: 75 Resp: 41232
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.9 62.8#



#78
 n-propylbenzene
 Concen: 2.237 ug/l
 RT: 10.59 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

Tgt Ion: 91 Resp: 15574
 Ion Ratio Lower Upper
 91 100
 120 23.2 11.3 33.9





#79

2-Chlorotoluene

Concen: 2.682 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.02 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

Instrument :

MSVOA_U

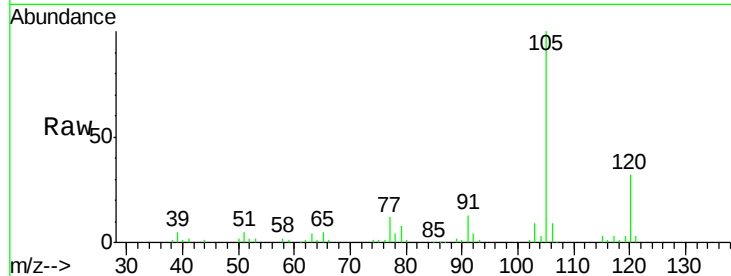
ClientSampleId :

Tot Ion: 91 Resp: 11328

Ion Ratio Lower Upper

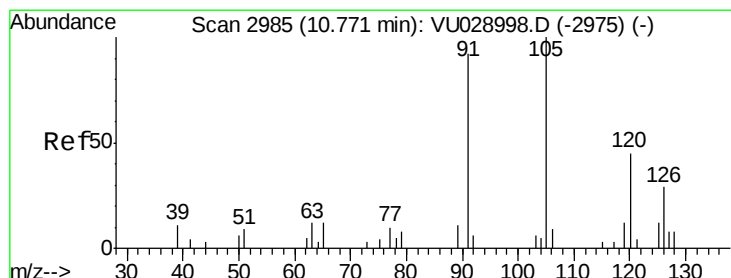
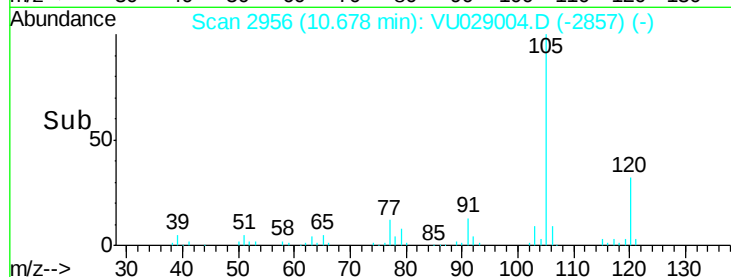
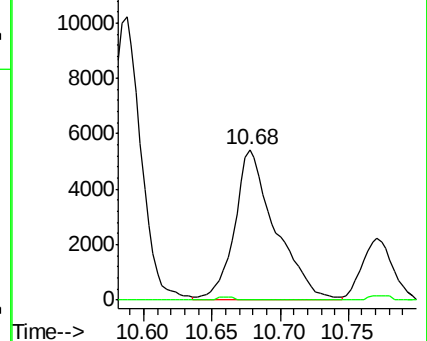
91 100

126 0.8 16.8 50.4#



Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-2942) (-)

Ion 125.90 (125.60 to 126.60): VU028998.D (-2942) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.682 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU029004.D

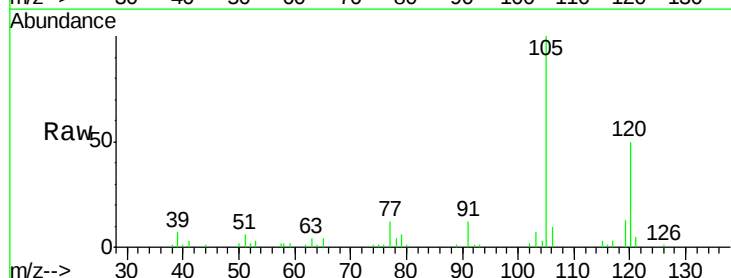
Acq: 03 Jan 2019 18:01

Tgt Ion: 105 Resp: 28031

Ion Ratio Lower Upper

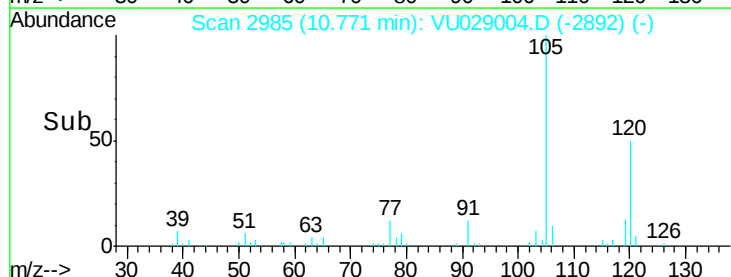
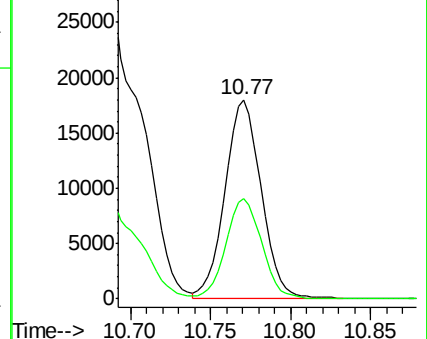
105 100

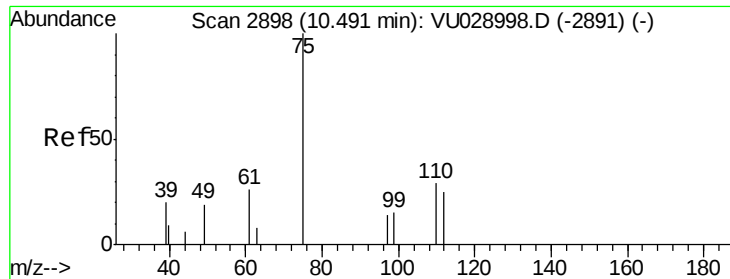
120 49.5 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028998.D (-2975) (-)

Ion 120.00 (119.70 to 120.70): VU028998.D (-2975) (-)

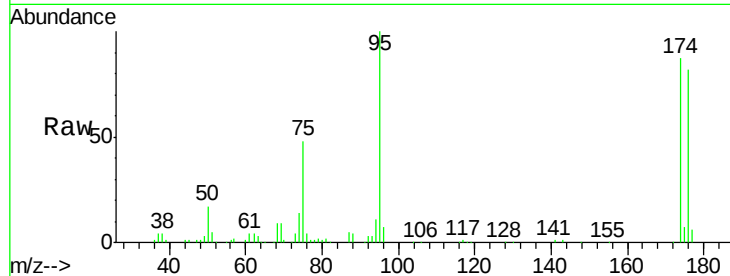




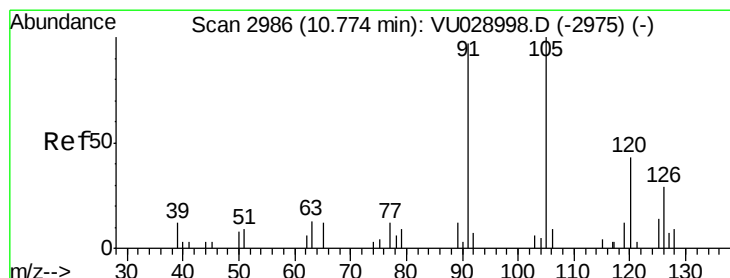
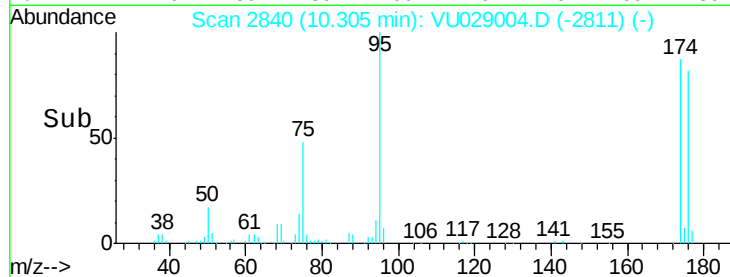
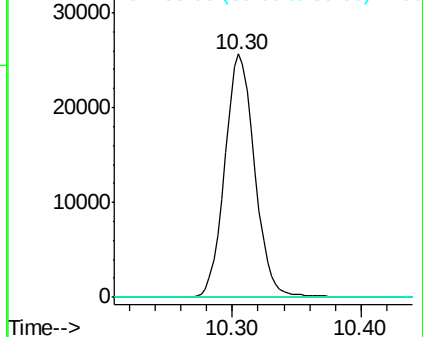
#81
trans-1,4-Dichloro-2-butene
Concen: 54.375 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.21 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 41232
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

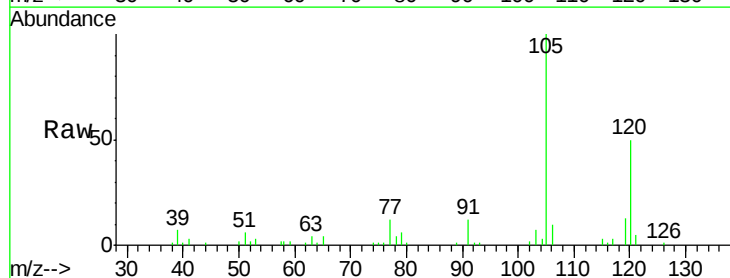


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

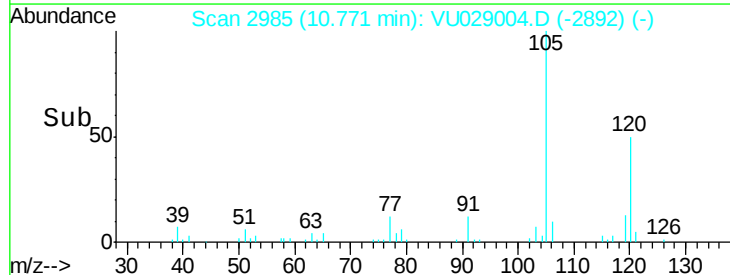
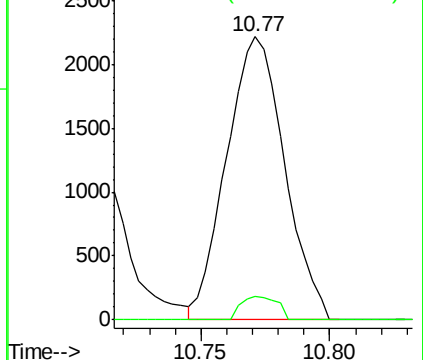


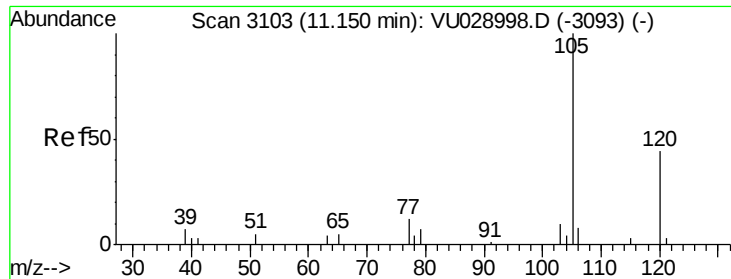
#82
4-Chlorotoluene
Concen: 0.716 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Tgt Ion: 91 Resp: 3468
Ion Ratio Lower Upper
91 100
126 5.1 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V

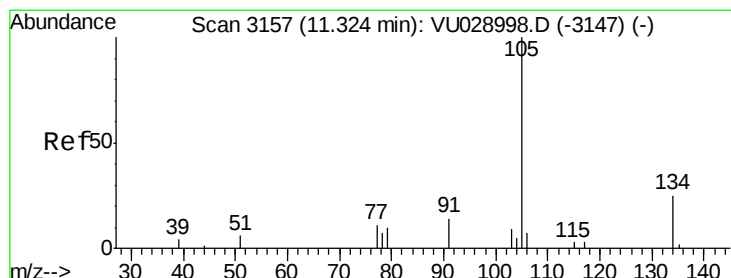
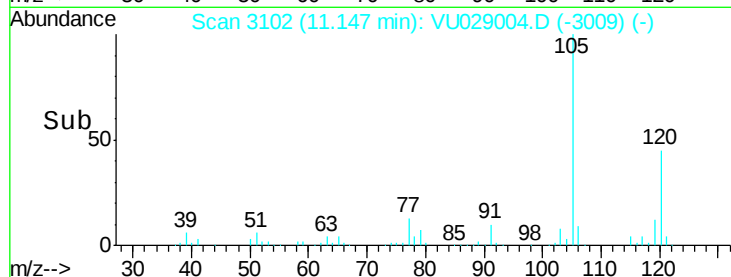
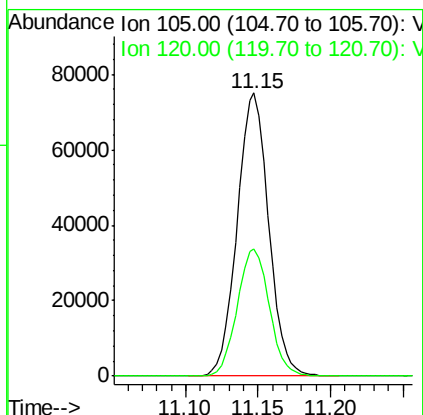
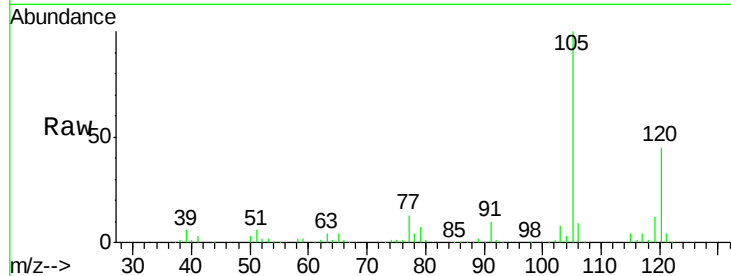




#84
1,2,4-Trimethylbenzene
Concen: 22.994 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

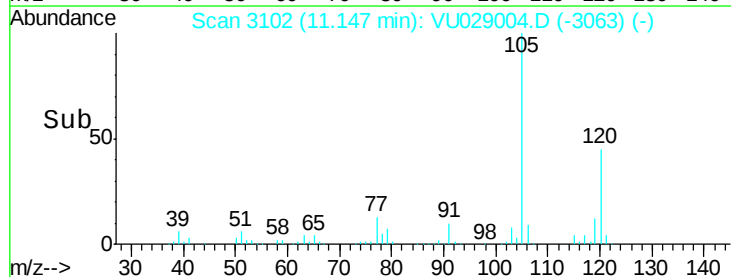
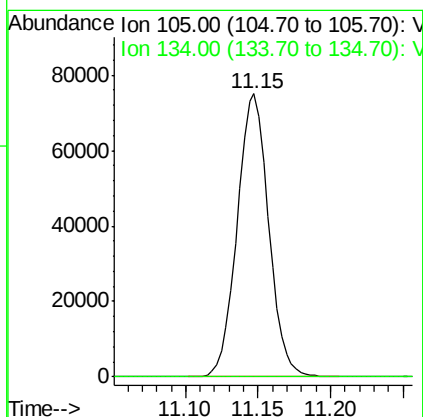
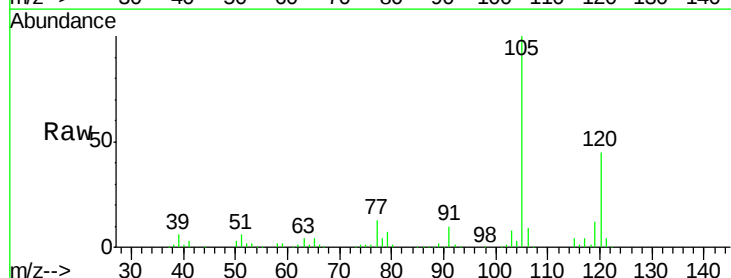
Instrument :
MSVOA_U
ClientSampleId :

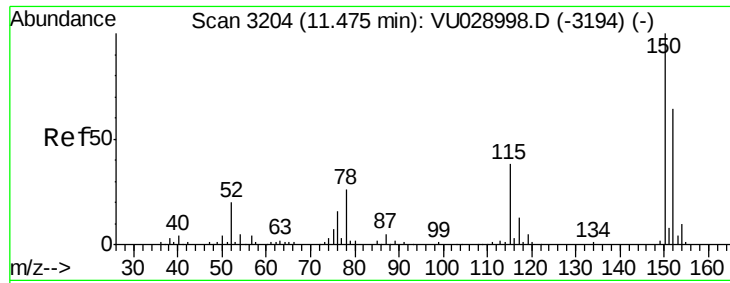
Tot Ion:105 Resp: 113262
Ion Ratio Lower Upper
105 100
120 45.7 23.1 69.3



#85
sec-Butylbenzene
Concen: 19.259 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.17 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Tgt Ion:105 Resp: 113262
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#

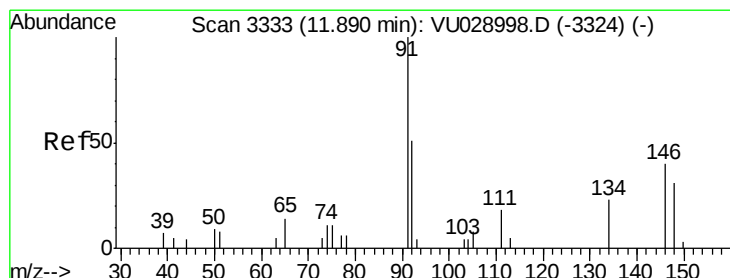
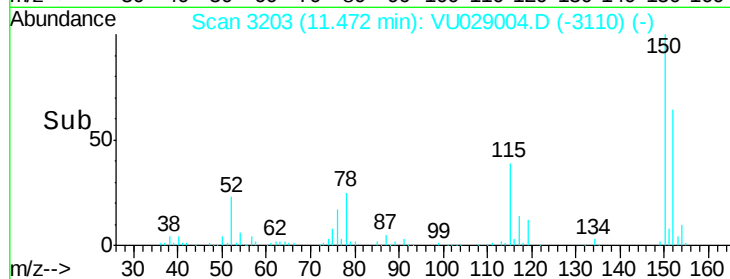
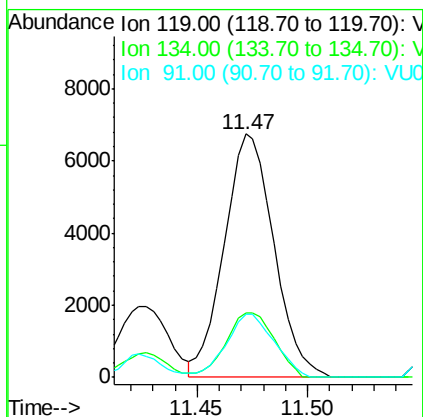
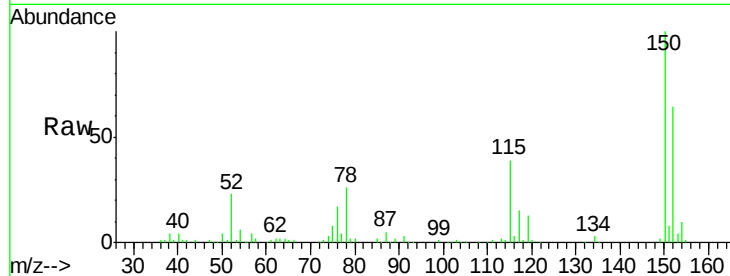




#86
 p-Isopropyltoluene
 Concen: 2.098 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

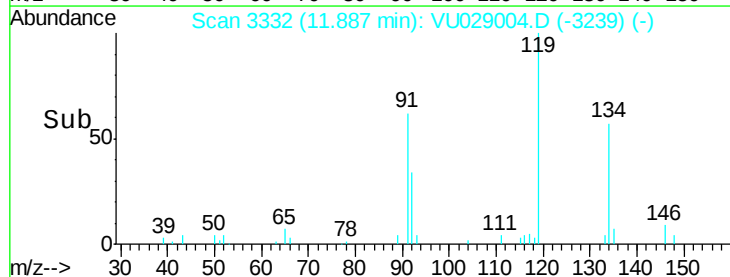
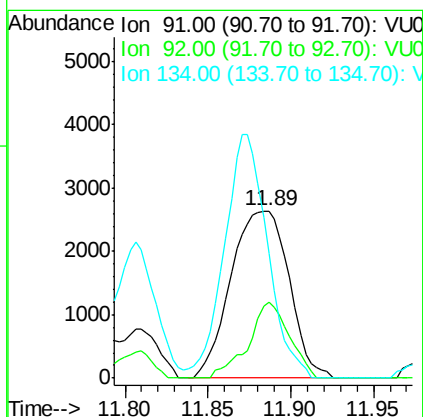
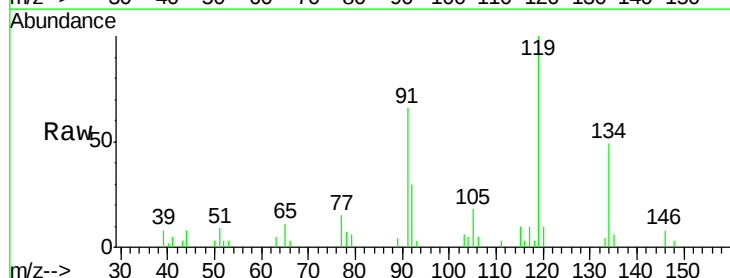
Instrument :
 MSVOA_U
 ClientSampleId :

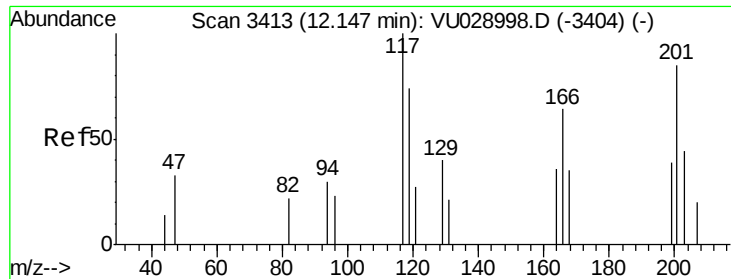
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.5	40.4
91	25.0	11.3	33.8



#89
 n-Butylbenzene
 Concen: 1.441 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. 0.00 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	31.8	26.2	78.5
134	108.1	12.6	37.6#

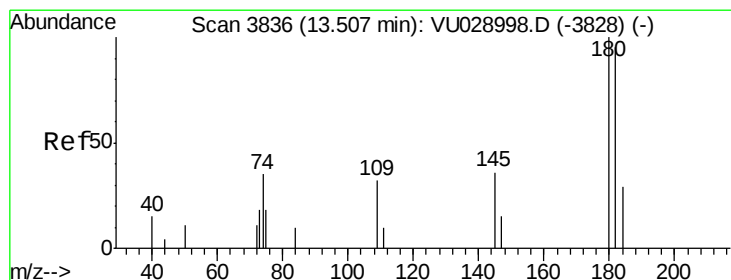
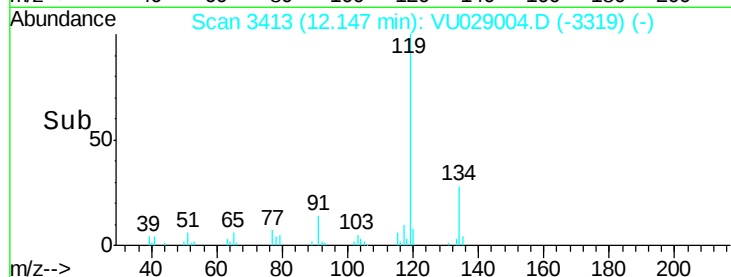
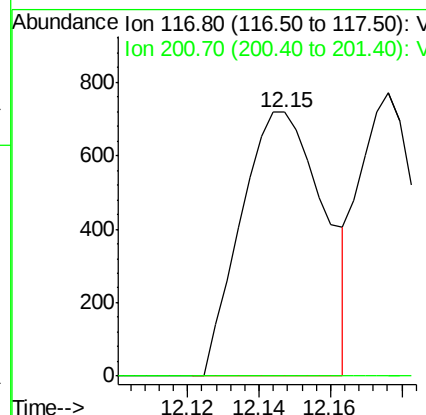
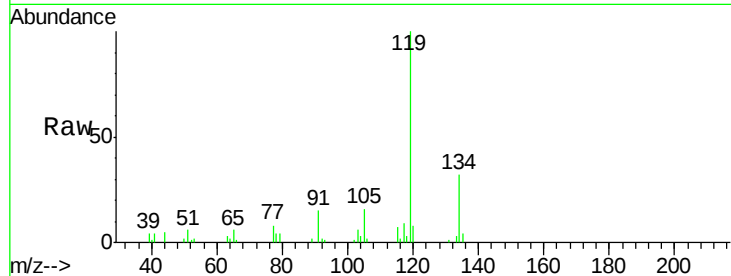




#90
Hexachloroethane
Concen: 1.371 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

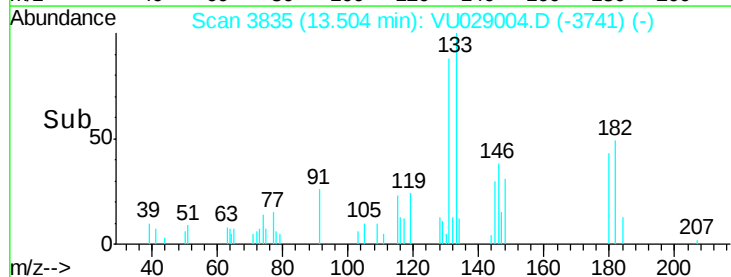
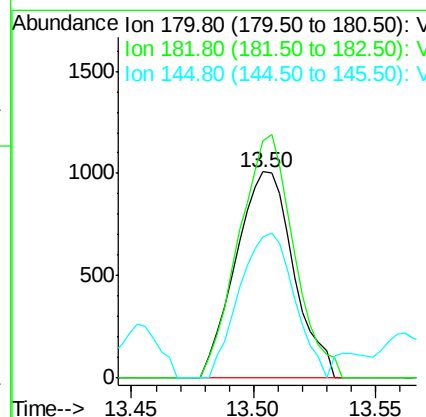
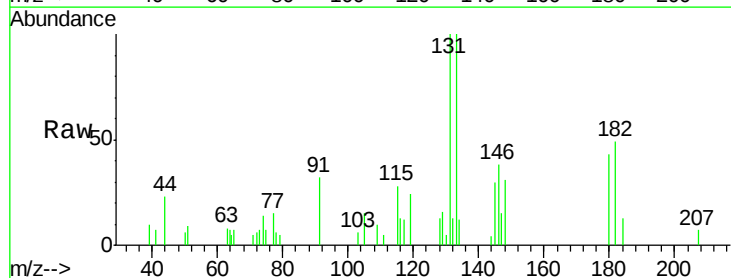
Instrument :
MSVOA_U
ClientSampled :

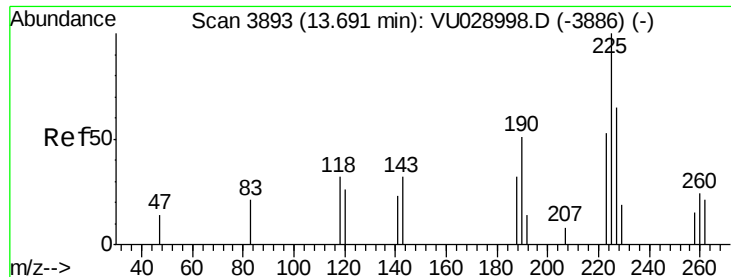
Tot Ion:117 Resp: 1156
Ion Ratio Lower Upper
117 100
201 0.0 42.4 127.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.910 ug/l
RT: 13.50 min Scan# 3835
Delta R.T. 0.00 min
Lab File: VU029004.D
Acq: 03 Jan 2019 18:01

Tgt Ion:180 Resp: 1653
Ion Ratio Lower Upper
180 100
182 112.7 47.5 142.6
145 66.8 14.0 42.0#





#94

Hexachlorobutadiene

Concen: 0.276 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

Instrument :

MSVOA_U

ClientSampled :

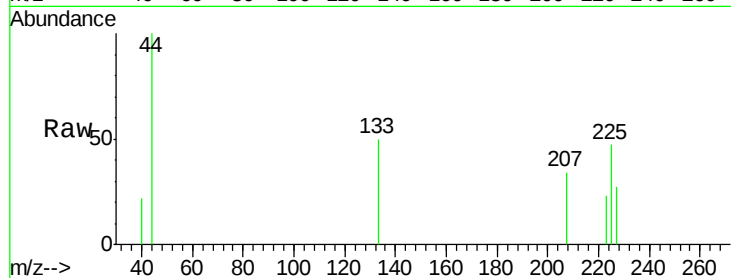
Tot Ion:225 Resp: 229

Ion Ratio Lower Upper

225 100

223 19.7 31.4 94.0#

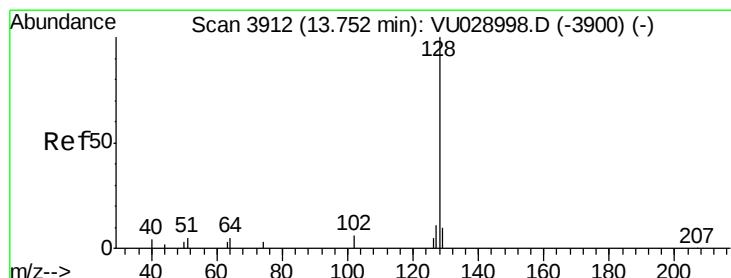
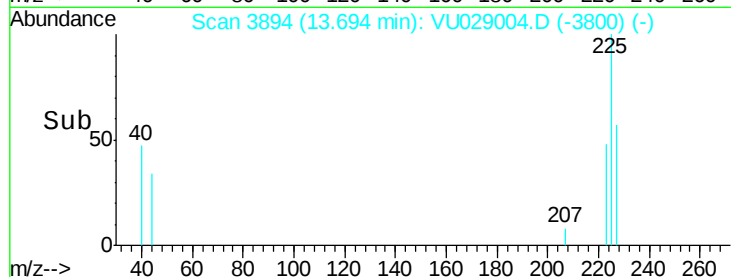
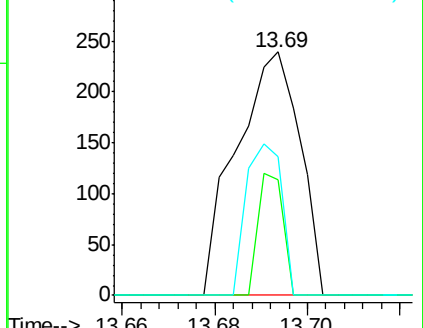
227 34.5 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.272 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU029004.D

Acq: 03 Jan 2019 18:01

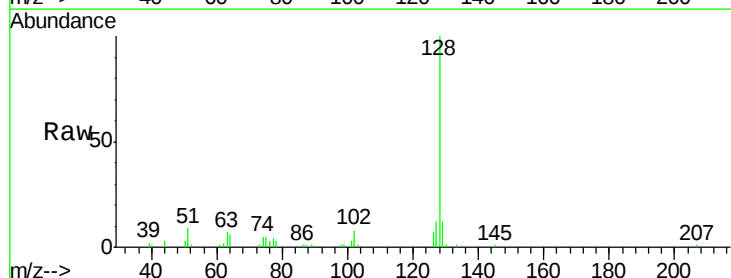
Tgt Ion:128 Resp: 32564

Ion Ratio Lower Upper

128 100

127 12.3 10.1 15.1

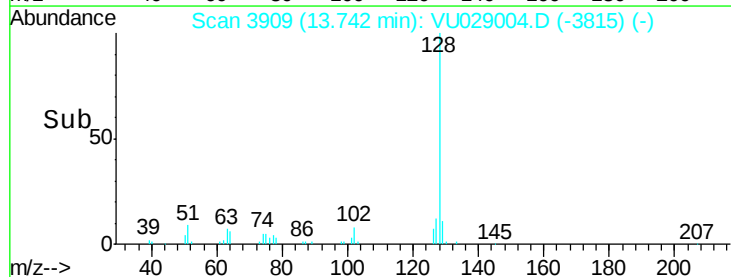
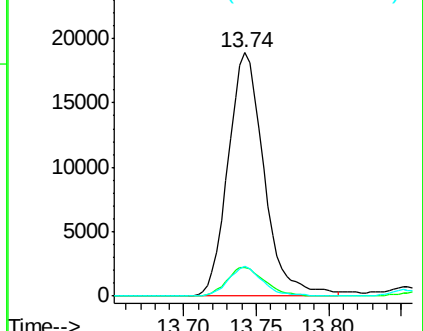
129 11.5 8.5 12.7

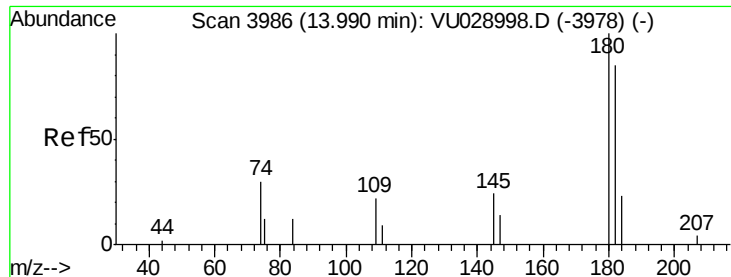


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.393 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU029004.D
 Acq: 03 Jan 2019 18:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 1172
 Ion Ratio Lower Upper
 180 100
 182 92.3 48.1 144.3
 145 26.8 14.8 44.4

