

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010319\
 Data File : VU029009.D
 Acq On : 03 Jan 2019 20:02
 Operator : MD/SY
 Sample : K1017-24
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 04 07:50:56 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	128887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	217979	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	200034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	84679	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	80856	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	4.88	113	70274	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
50) Toluene-d8	7.56	98	273827	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	10.30	95	89838	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1240	Below Cal		99
5) Bromomethane	1.62	94	144	Below Cal	#	55
11) Tert butyl alcohol	2.84	59	1990	4.914	ug/l #	82
13) Acrolein	2.20	56	177	0.582	ug/l #	1
14) Allyl chloride	2.70	41	648	0.264	ug/l #	35
16) Acetone	2.32	43	11678	11.635	ug/l	99
17) Carbon Disulfide	2.48	76	506	Below Cal	#	75
18) Methyl Acetate	2.62	43	3305	1.416	ug/l #	88
20) Methylene Chloride	2.70	84	8445	4.956	ug/l	96
25) 2-Butanone	4.28	43	960	0.708	ug/l #	79
29) Tetrahydrofuran	4.66	42	576	0.701	ug/l #	47
31) Cyclohexane	4.98	56	2668	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9392	4.311	ug/l #	46
38) Carbon Tetrachloride	4.98	117	11291	6.213	ug/l #	17
39) Methylcyclohexane	6.41	83	561	0.209	ug/l	91
40) Benzene	5.40	78	1534	0.226	ug/l	91
43) Isopropyl Acetate	5.55	43	9367	2.553	ug/l	97
45) 1,2-Dichloropropane	6.70	63	709	0.395	ug/l #	43
48) Methyl methacrylate	6.70	41	56851	31.825	ug/l #	36
51) 4-Methyl-2-Pentanone	7.56	43	4484	1.796	ug/l	100
52) Toluene	7.64	92	47151	11.396	ug/l	98
54) cis-1,3-Dichloropropene	7.42	75	23642	8.622	ug/l #	59
57) 1,3-Dichloropropane	8.41	76	5388	1.900	ug/l #	42
59) 2-Hexanone	8.31	43	7086	3.616	ug/l #	21
67) Ethyl Benzene	9.25	91	37646	5.029	ug/l	99
68) m/p-Xylenes	9.37	106	63968	21.992	ug/l	95
69) o-Xylene	9.78	106	25583	9.128	ug/l	99
70) Styrene	9.78	104	1395	0.304	ug/l #	1
73) Isopropylbenzene	10.17	105	3658	0.584	ug/l	100
76) 1,2,3-Trichloropropane	10.30	75	42114	20.298	ug/l #	35
78) n-propylbenzene	10.58	91	18457	2.499	ug/l	99
79) 2-Chlorotoluene	10.68	91	10353	2.311	ug/l #	41
80) 1,3,5-Trimethylbenzene	10.77	105	32195	6.151	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.30	75	42114	52.350	ug/l #	100

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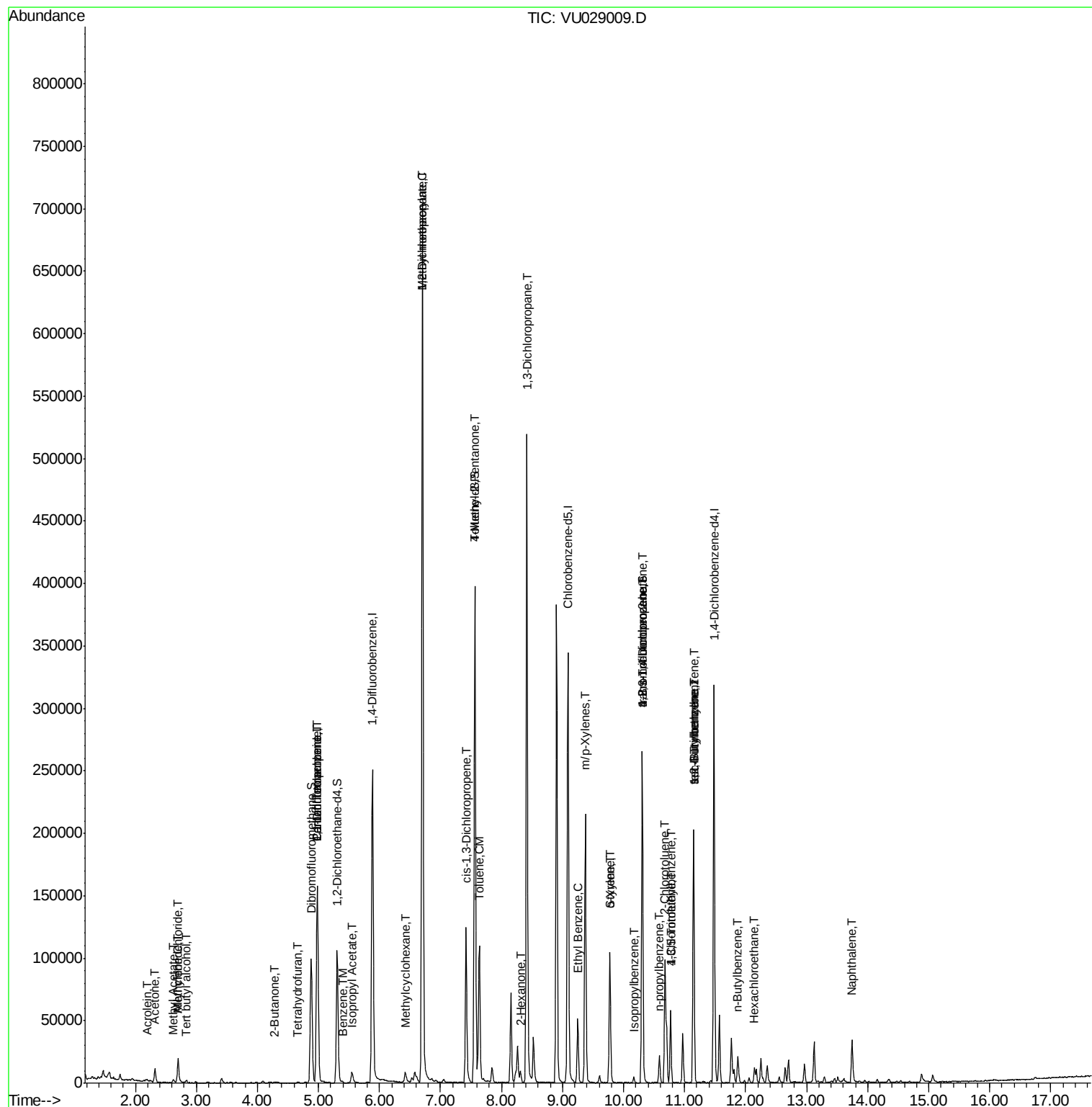
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	10.77	91	3465	0.674	ug/l #	44
83) tert-Butylbenzene	11.15	119	14240	2.760	ug/l #	64
84) 1,2,4-Trimethylbenzene	11.15	105	114653	21.940	ug/l	99
85) sec-Butylbenzene	11.15	105	114653	18.377	ug/l #	57
89) n-Butylbenzene	11.88	91	3719	0.784	ug/l #	12
90) Hexachloroethane	12.14	117	669	0.748	ug/l #	7
95) Naphthalene	13.74	128	31764	4.847	ug/l	100

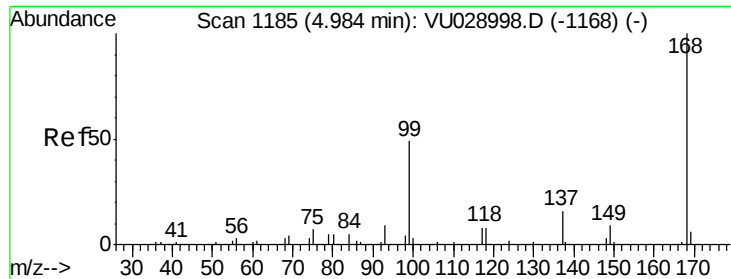
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

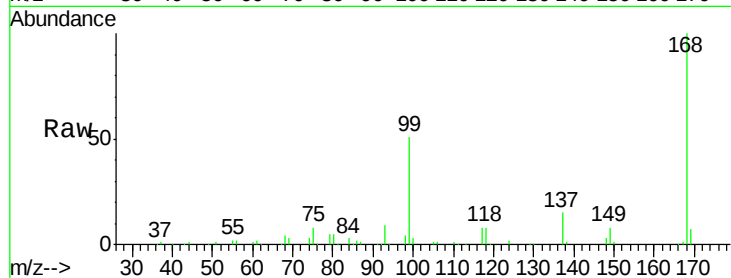
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 128887

Ion Ratio Lower Upper

168 100

99 51.0 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

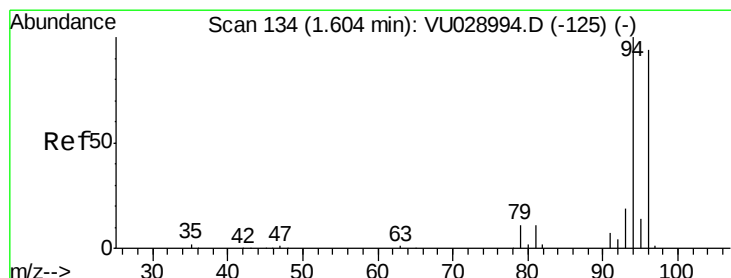
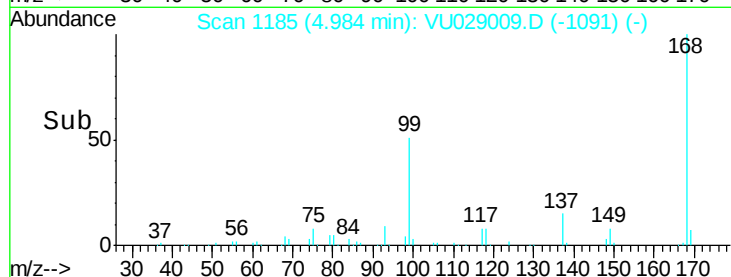
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU029009.D

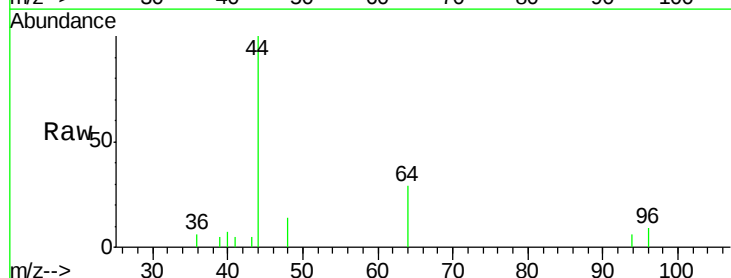
Acq: 03 Jan 2019 20:02

Tgt Ion: 94 Resp: 144

Ion Ratio Lower Upper

94 100

96 138.0 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) (-)

1.62

200

150

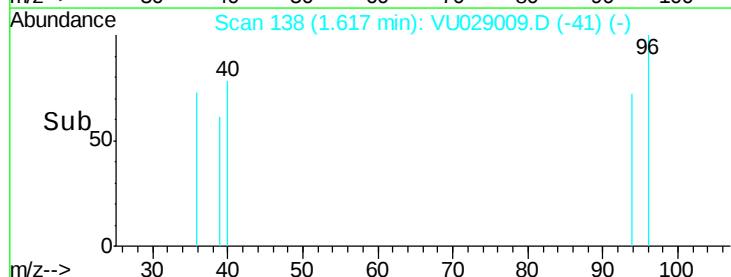
100

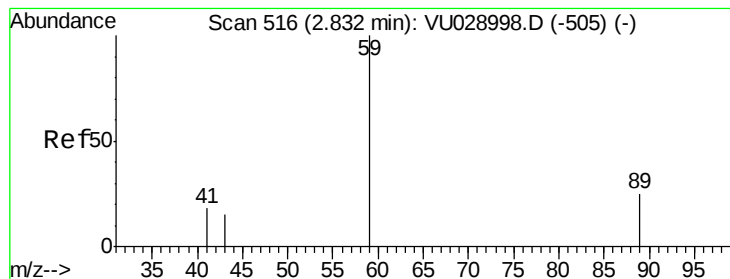
50

0

1.60 1.62 1.64

Time-->



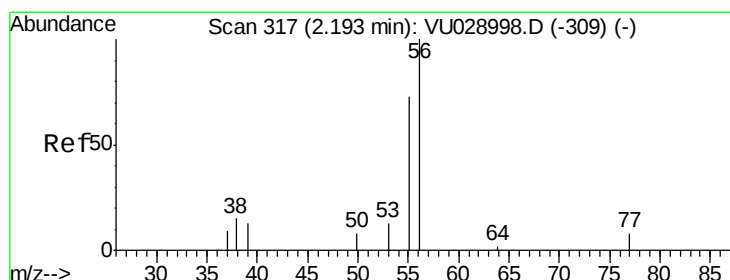
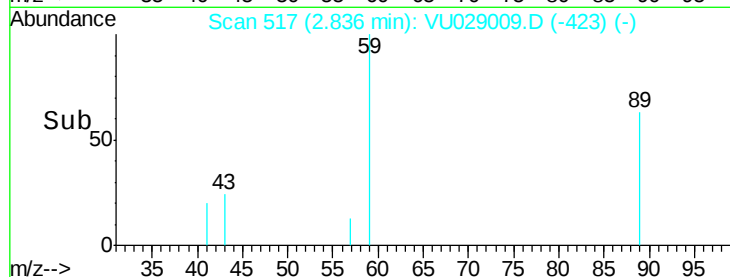
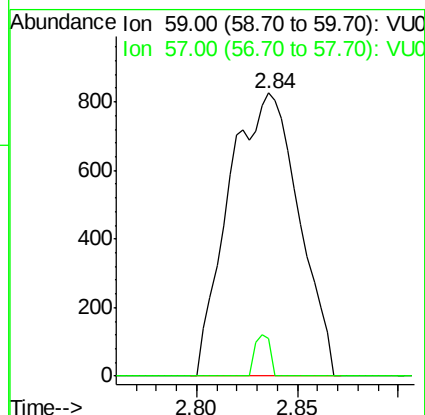
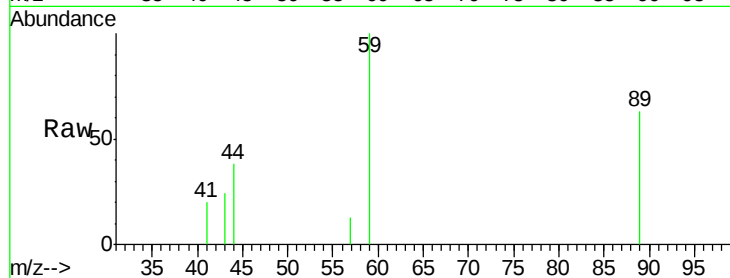


#11

Tert butyl alcohol
 Concen: 4.914 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VU029009.D
 Acq: 03 Jan 2019 20:02

Instrument :
 MSVOA_U
 ClientSampled :

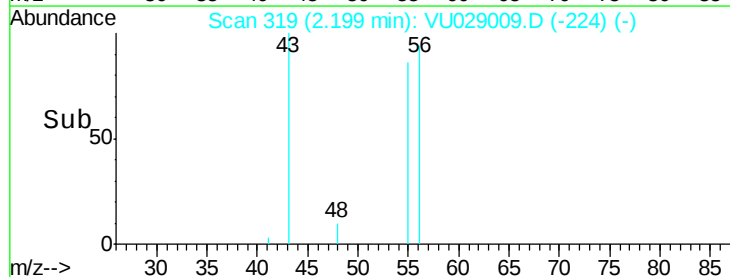
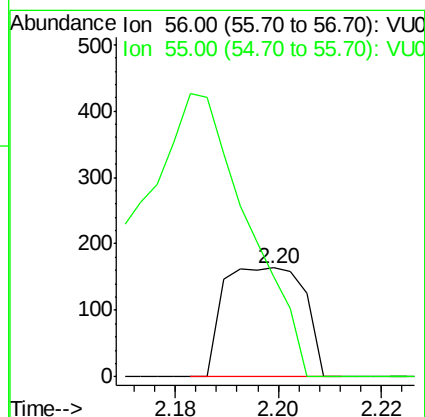
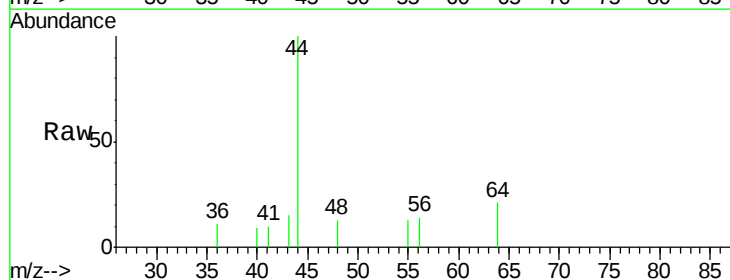
Tot Ion: 59 Resp: 1990
 Ion Ratio Lower Upper
 59 100
 57 3.2 7.9 11.9#

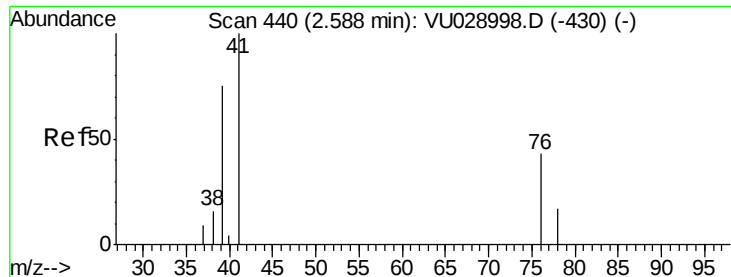


#13

Acrolein
 Concen: 0.582 ug/l
 RT: 2.20 min Scan# 319
 Delta R.T. 0.01 min
 Lab File: VU029009.D
 Acq: 03 Jan 2019 20:02

Tgt Ion: 56 Resp: 177
 Ion Ratio Lower Upper
 56 100
 55 361.6 56.5 84.7#





#14

Allvl chloride

Concen: 0.264 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.11 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

Instrument :
MSVOA_U
ClientSampleId :

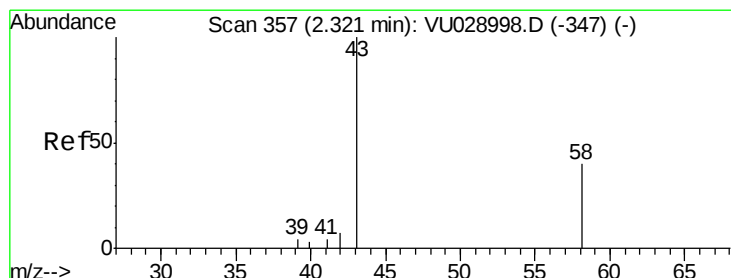
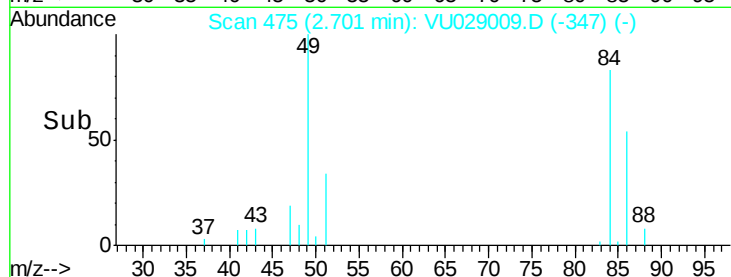
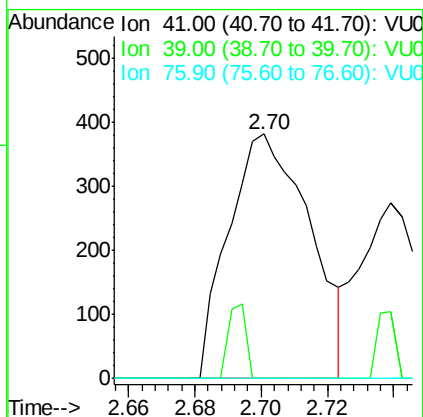
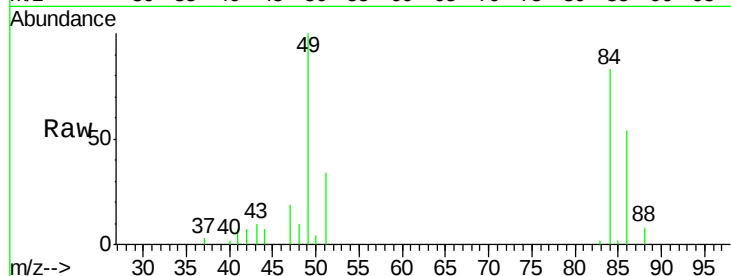
Tot Ion: 41 Resp: 648

Ion Ratio Lower Upper

41 100

39 6.6 45.0 67.6#

76 0.0 28.1 42.1#



#16

Acetone

Concen: 11.635 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029009.D

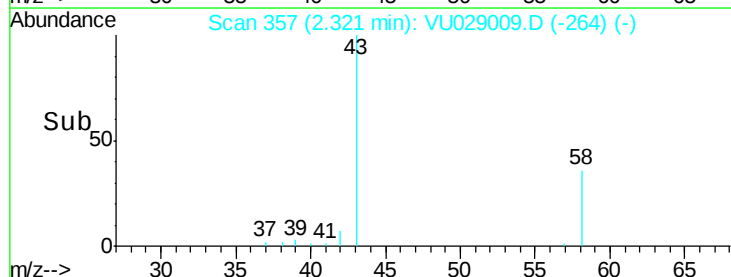
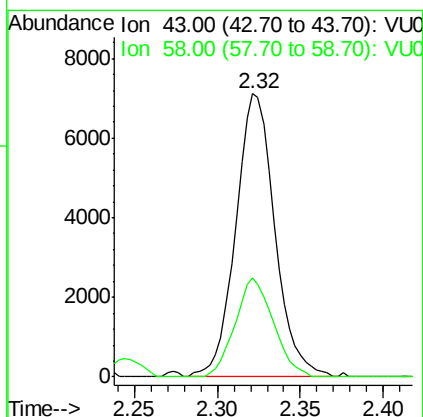
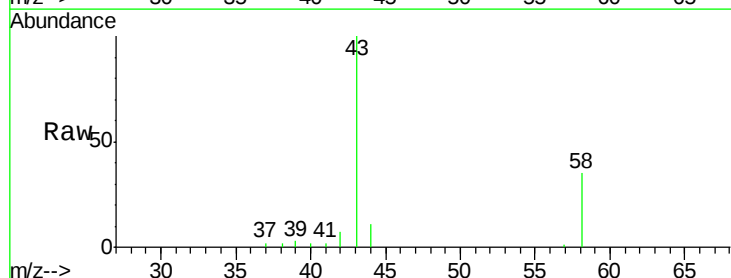
Acq: 03 Jan 2019 20:02

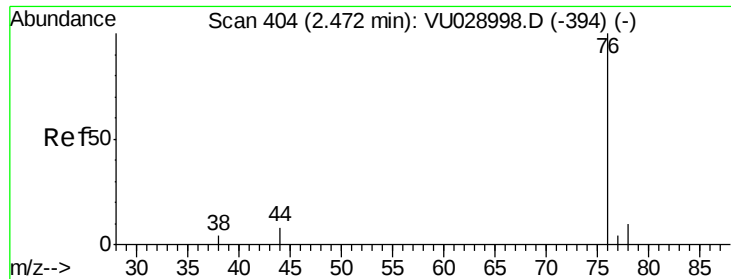
Tgt Ion: 43 Resp: 11678

Ion Ratio Lower Upper

43 100

58 35.2 28.6 42.8





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

Instrument :

MSVOA_U

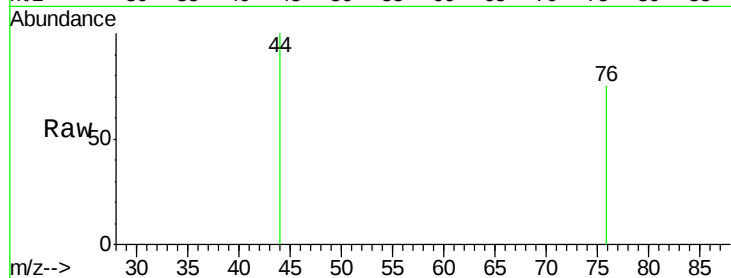
ClientSampled :

Tot Ion: 76 Resp: 506

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

400

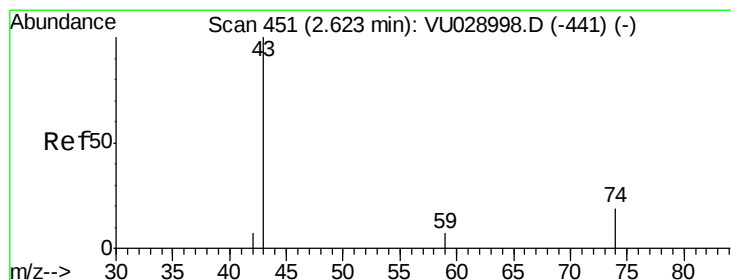
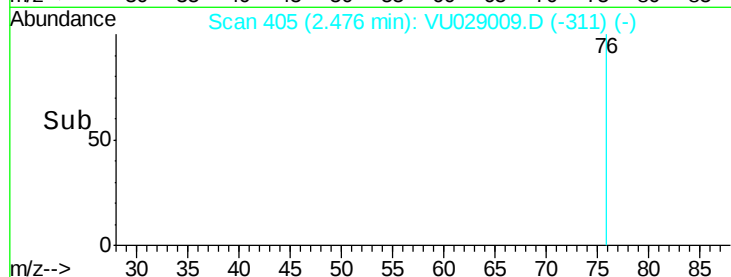
300

200

100

0

Time--> 2.44 2.46 2.48 2.50



#18

Methyl Acetate

Concen: 1.416 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU029009.D

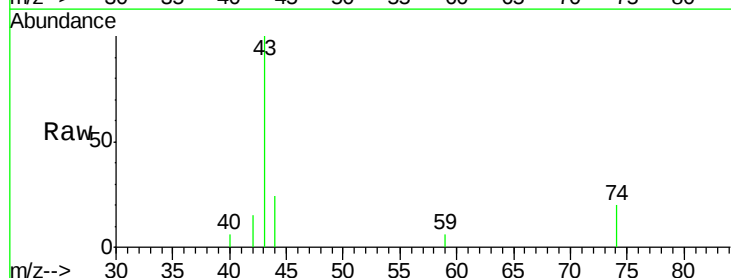
Acq: 03 Jan 2019 20:02

Tgt Ion: 43 Resp: 3305

Ion Ratio Lower Upper

43 100

74 18.6 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2000

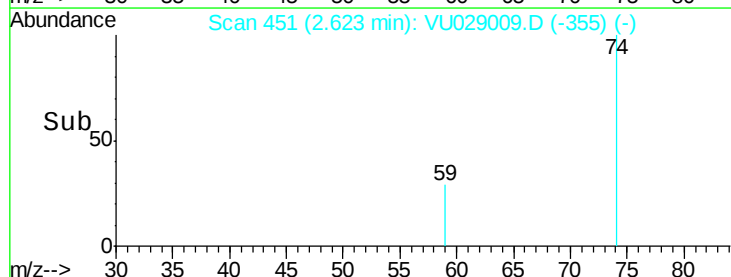
1500

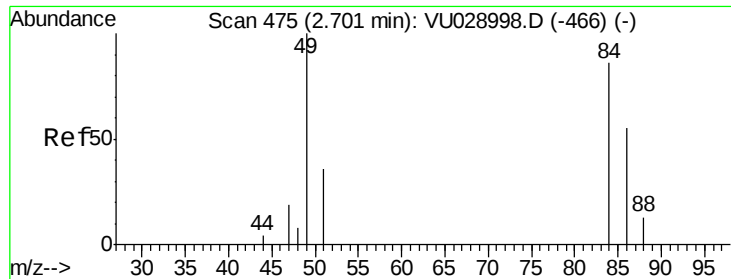
1000

500

0

Time--> 2.60 2.65

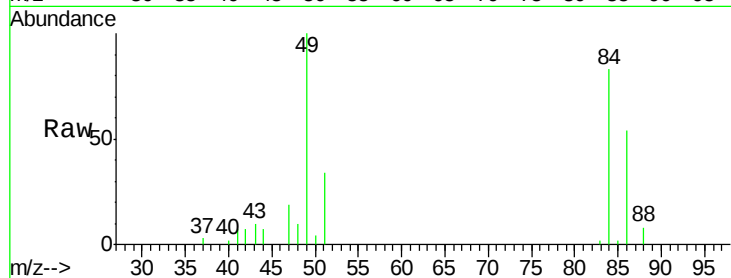




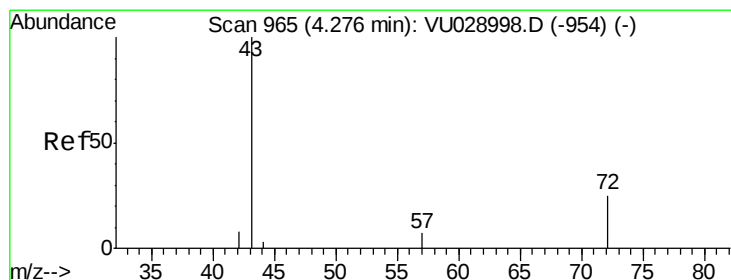
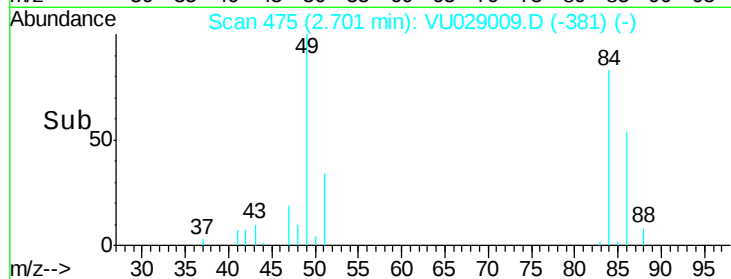
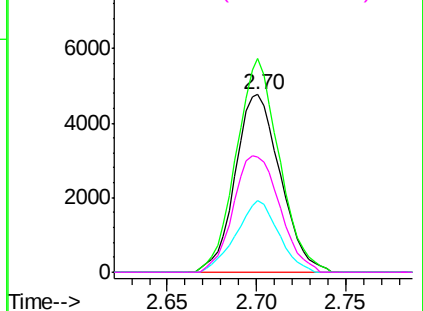
#20
Methvlene Chloride
Concen: 4.956 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 8445
Ion Ratio Lower Upper
84 100
49 120.2 91.9 137.9
51 40.5 29.2 43.8
86 64.5 51.8 77.6

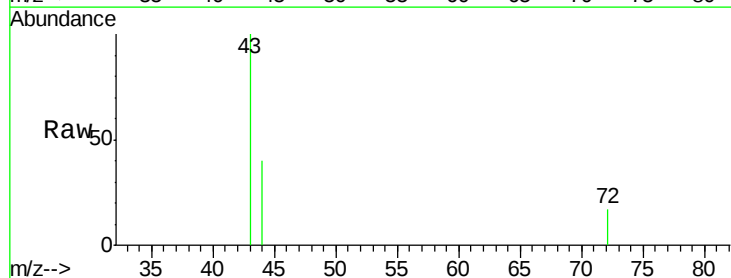


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

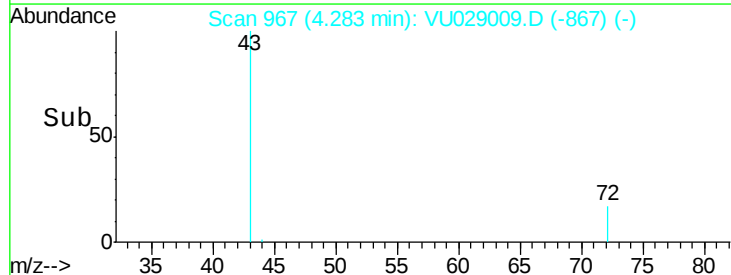
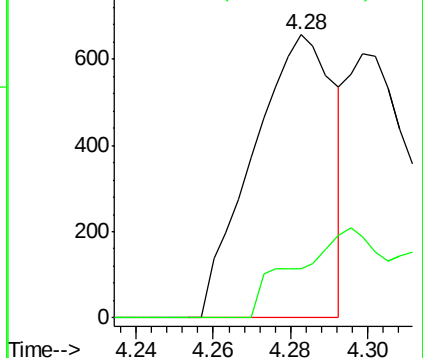


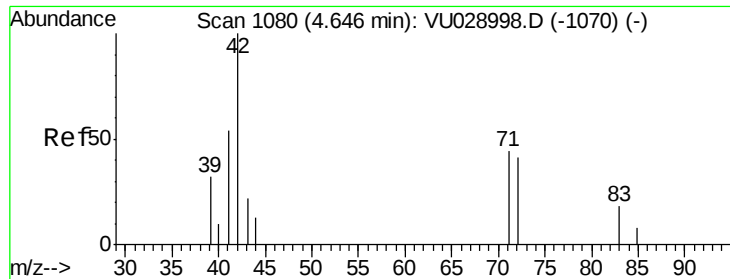
#25
2-Butanone
Concen: 0.708 ug/l
RT: 4.28 min Scan# 967
Delta R.T. 0.02 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

Tgt Ion: 43 Resp: 960
Ion Ratio Lower Upper
43 100
72 17.2 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 72.00 (71.70 to 72.70): VU0

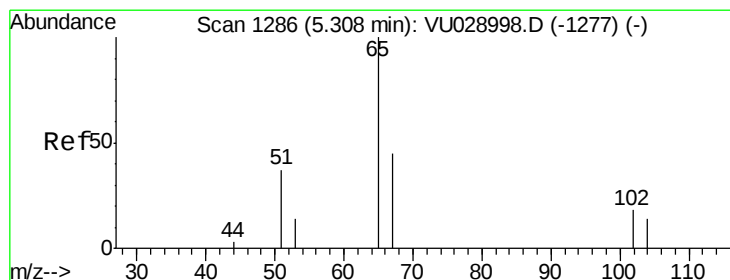
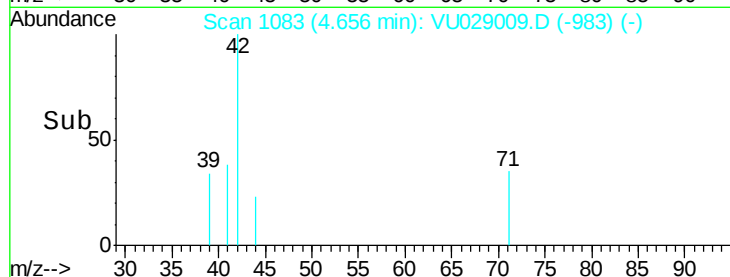
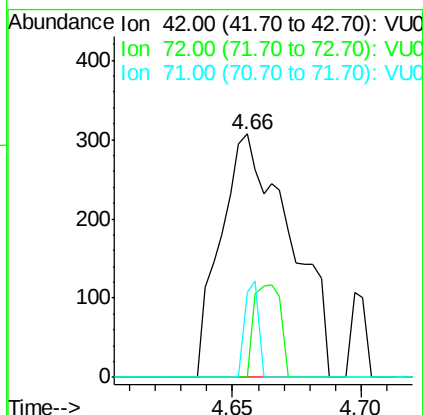
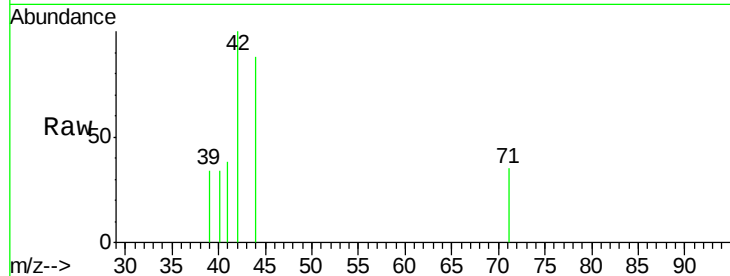




#29
Tetrahydrofuran
Concen: 0.701 ug/l
RT: 4.66 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

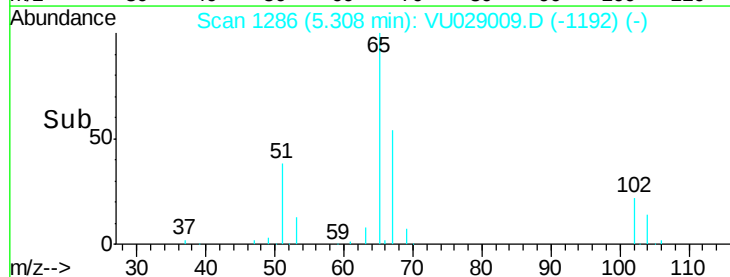
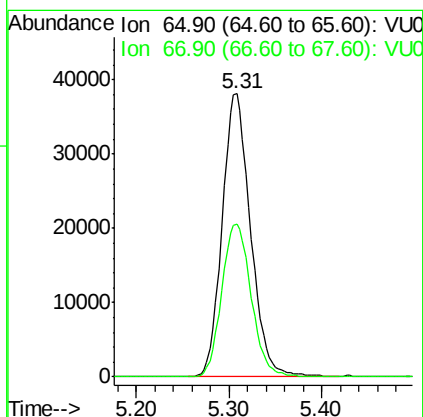
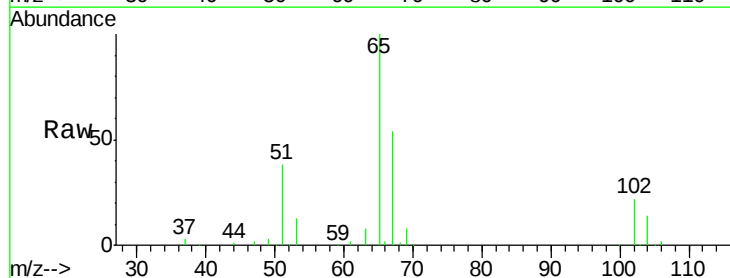
Instrument :
MSVOA_U
ClientSampleId :

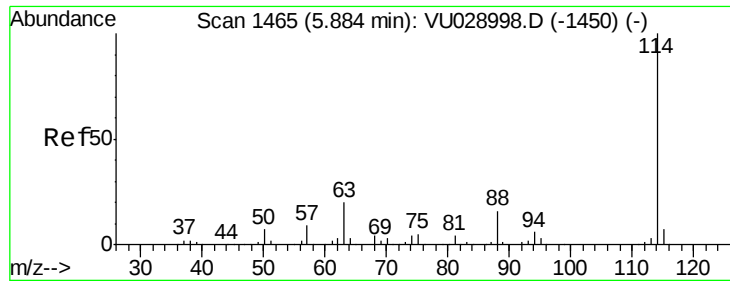
Tot Ion: 42 Resp: 576
Ion Ratio Lower Upper
42 100
72 14.8 38.3 57.5#
71 7.6 36.1 54.1#



#33
1,2-Dichloroethane-d4
Concen: 50.748 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

Tgt Ion: 65 Resp: 80856
Ion Ratio Lower Upper
65 100
67 56.1 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: VU029009.D

Acq: 03 Jan 2019 20:02

Instrument :

MSVOA_U

ClientSampled :

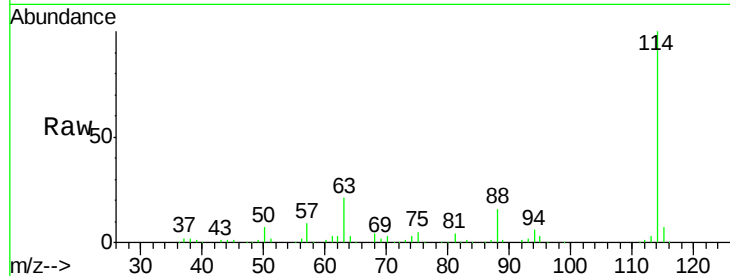
Tot Ion:114 Resp: 217979

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.2

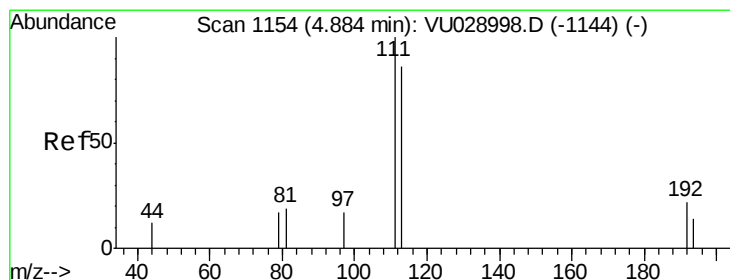
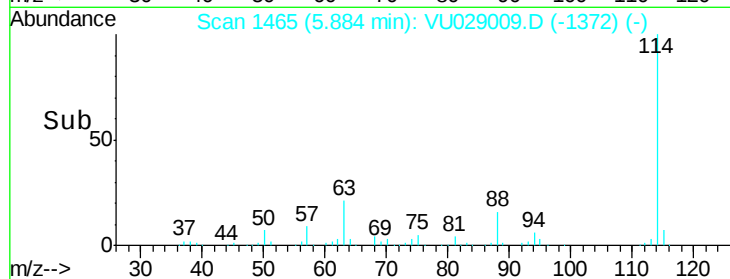
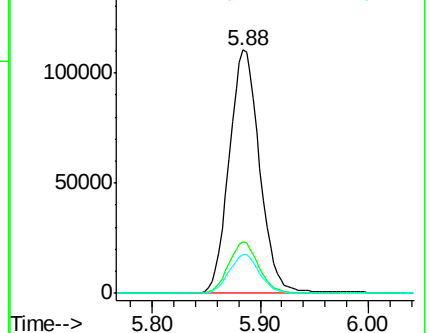
88 15.9 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 49.734 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

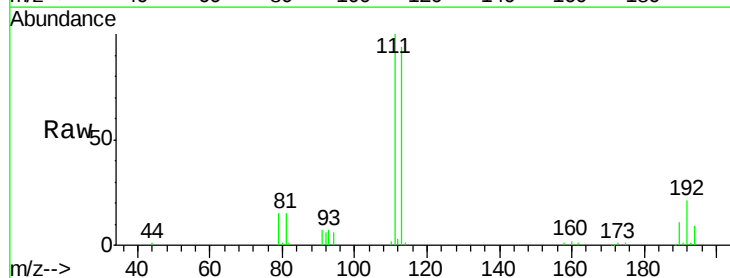
Tgt Ion:113 Resp: 70274

Ion Ratio Lower Upper

113 100

111 104.4 81.4 122.2

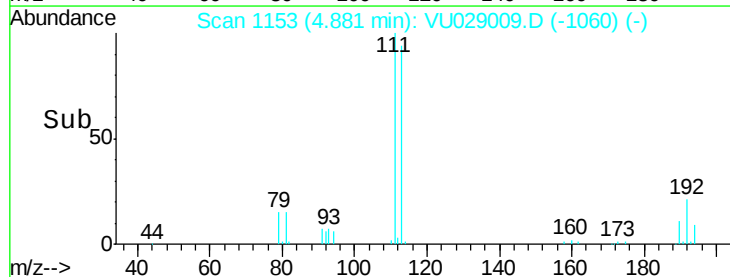
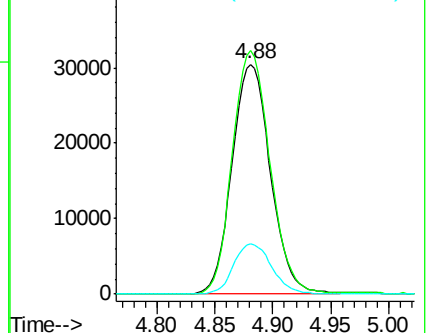
192 21.8 16.8 25.2

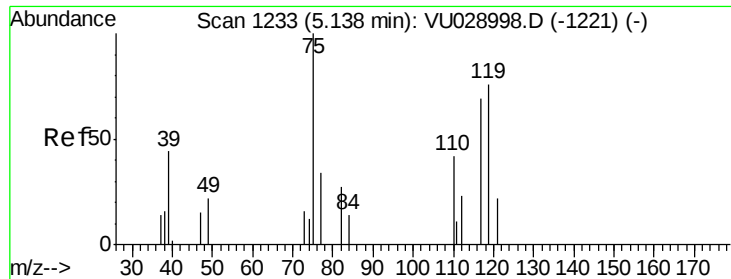


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.311 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

Instrument :
MSVOA_U
ClientSampleId :

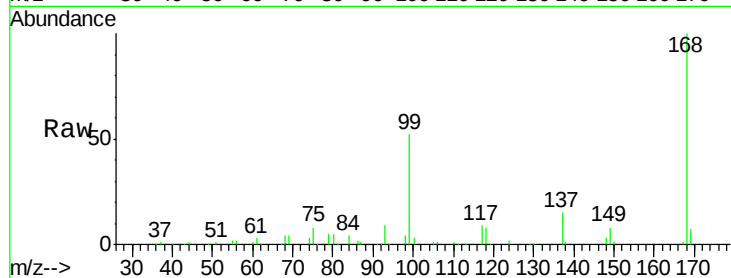
Tot Ion: 75 Resp: 9392

Ion Ratio Lower Upper

75 100

110 6.6 18.4 55.4#

77 0.0 25.1 37.7#

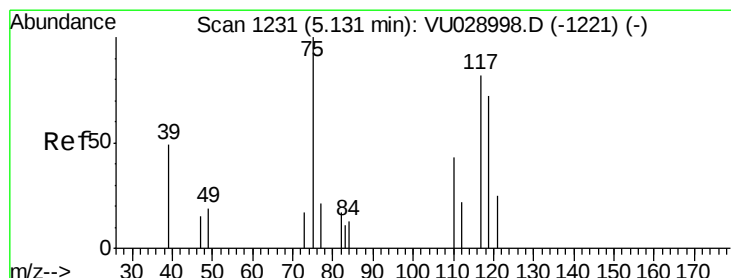
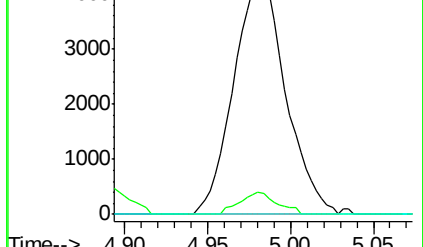
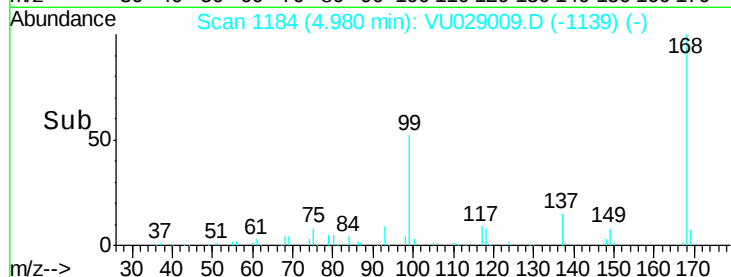


Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-1221) (-)

Ion 109.90 (109.60 to 110.60): VU028998.D (-1221) (-)

Ion 76.90 (76.60 to 77.60): VU028998.D (-1221) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.213 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

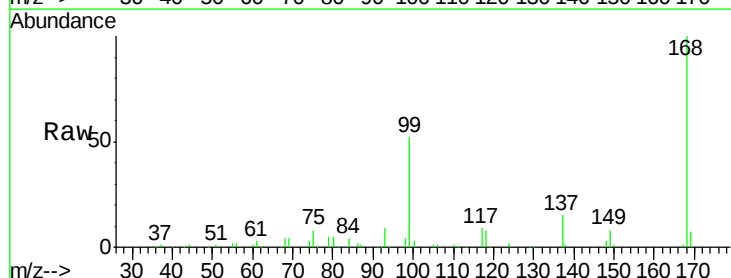
Tgt Ion: 117 Resp: 11291

Ion Ratio Lower Upper

117 100

119 5.0 74.6 111.8#

121 0.0 25.0 37.6#

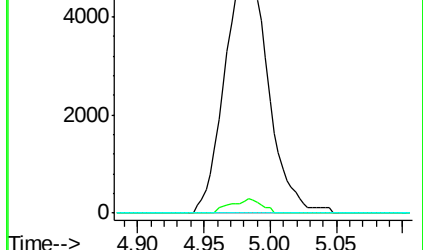
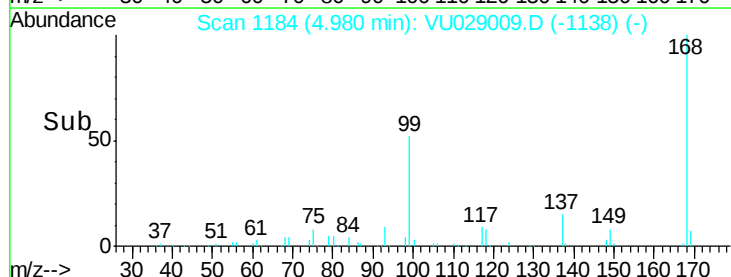


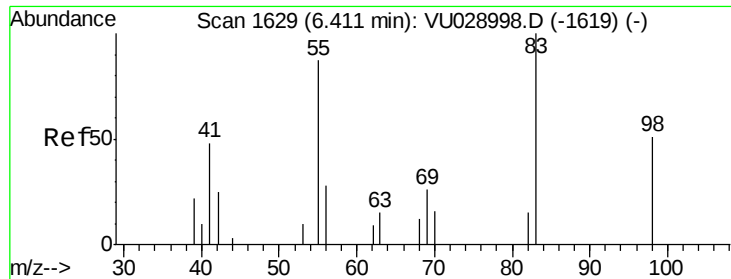
Abundance Ion 116.80 (116.50 to 117.50): VU028998.D (-1221) (-)

Ion 118.80 (118.50 to 119.50): VU028998.D (-1221) (-)

Ion 120.80 (120.50 to 121.50): VU028998.D (-1221) (-)

Time-->

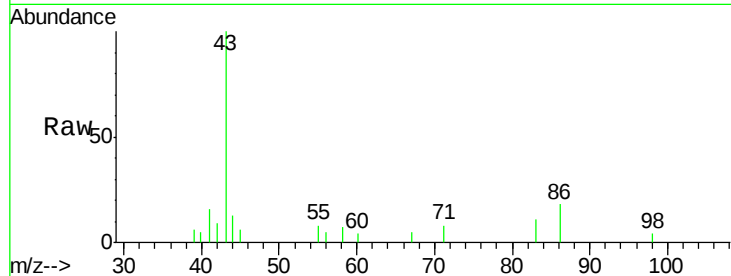




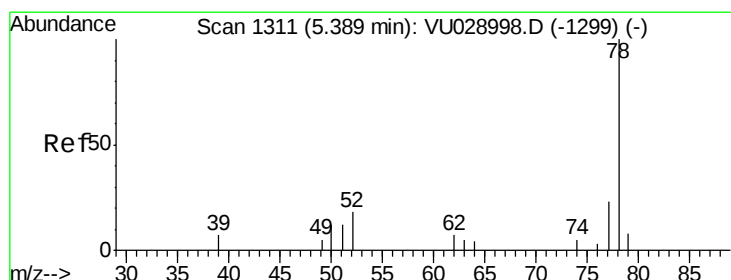
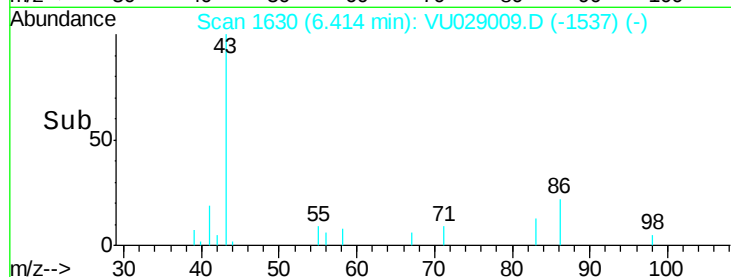
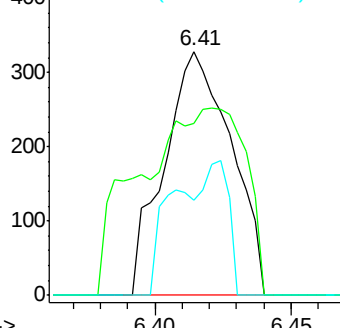
#39
Methvlcvclohexane
Concen: 0.209 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 561
Ion Ratio Lower Upper
83 100
55 70.7 62.4 93.6
98 39.0 36.2 54.2

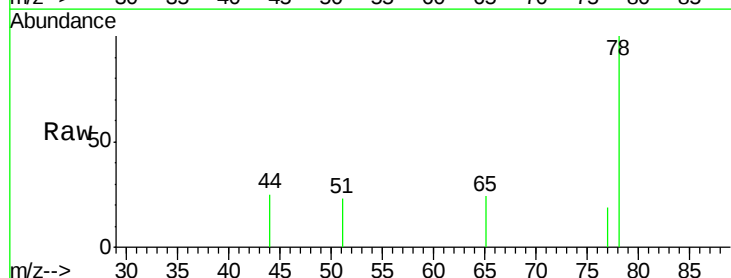


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

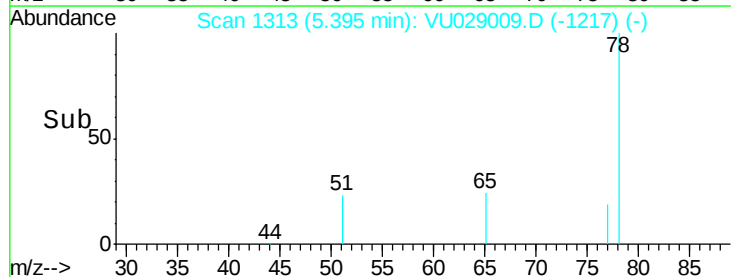
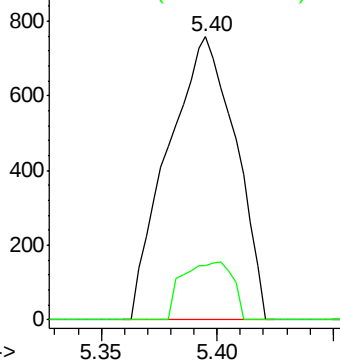


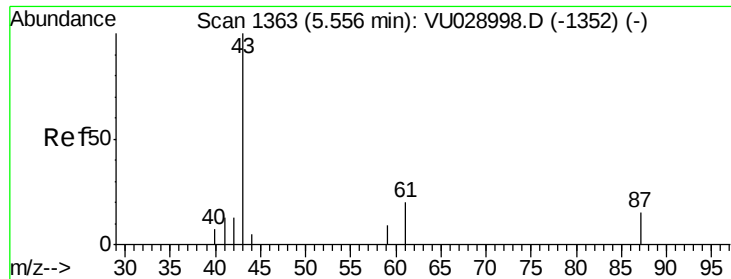
#40
Benzene
Concen: 0.226 ug/l
RT: 5.40 min Scan# 1313
Delta R.T. 0.01 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

Tgt Ion: 78 Resp: 1534
Ion Ratio Lower Upper
78 100
77 19.3 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#43

Isopropyl Acetate

Concen: 2.553 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

Instrument :

MSVOA_U

ClientSampleId :

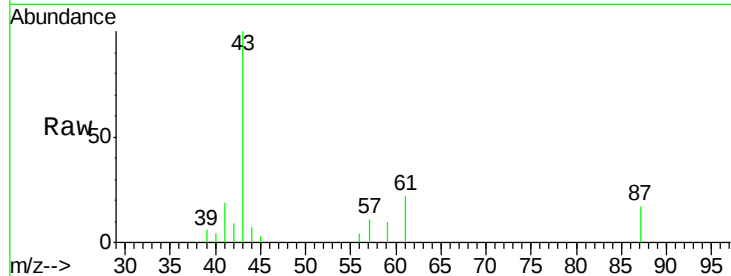
Tot Ion: 43 Resp: 9367

Ion Ratio Lower Upper

43 100

61 20.5 17.8 26.6

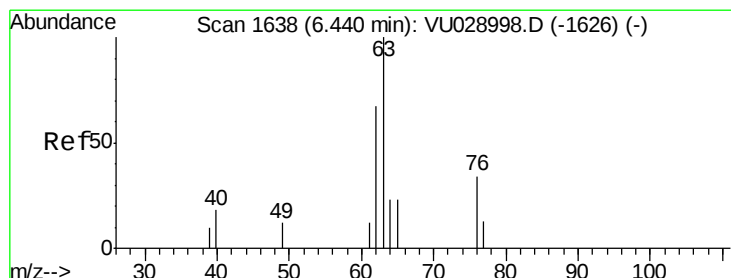
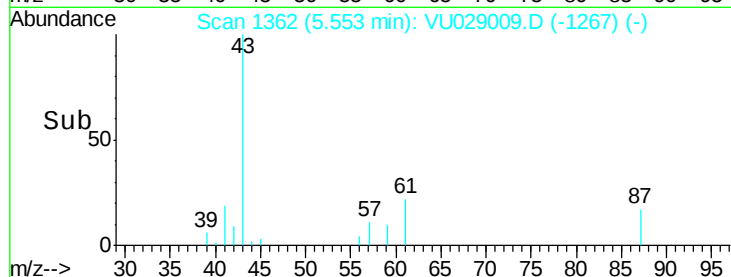
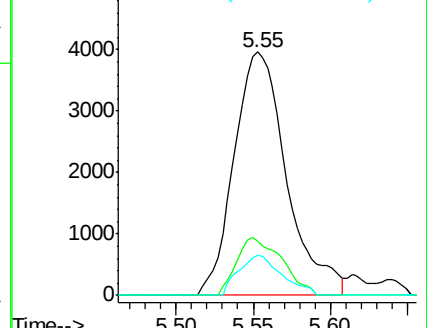
87 13.5 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-1352) (-)

Ion 61.00 (60.70 to 61.70): VU028998.D (-1352) (-)

Ion 87.00 (86.70 to 87.70): VU028998.D (-1352) (-)



#45

1,2-Dichloropropane

Concen: 0.395 ug/l

RT: 6.70 min Scan# 1718

Delta R.T. 0.27 min

Lab File: VU029009.D

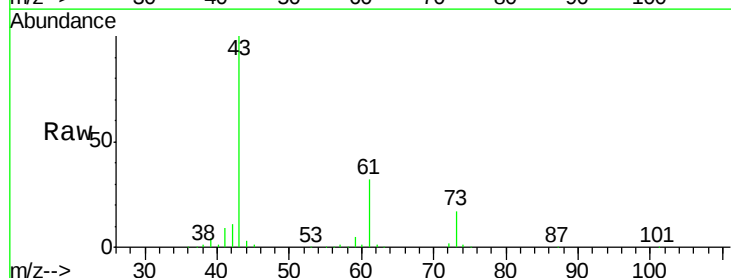
Acq: 03 Jan 2019 20:02

Tgt Ion: 63 Resp: 709

Ion Ratio Lower Upper

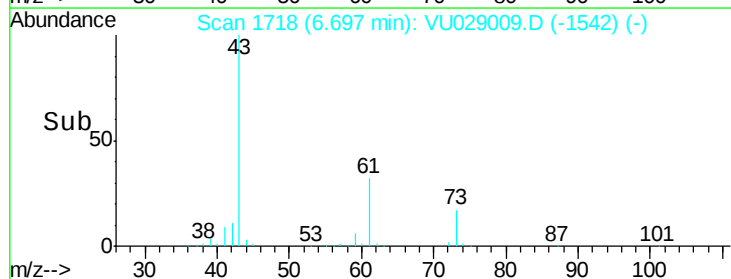
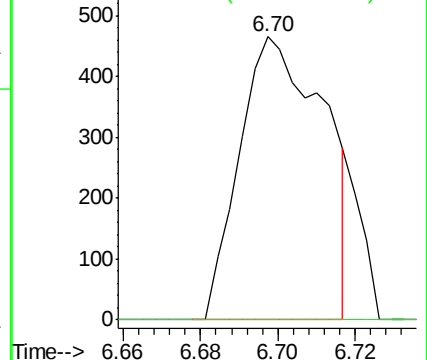
63 100

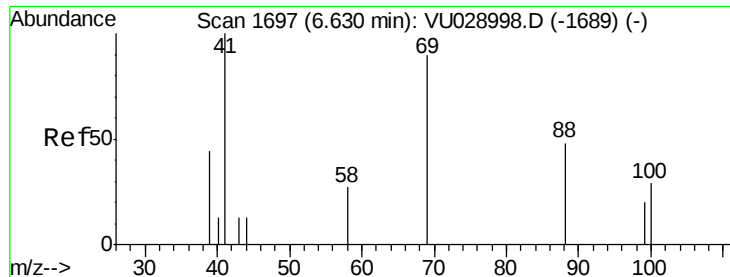
65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VU028998.D (-1626) (-)

Ion 64.90 (64.60 to 65.60): VU028998.D (-1626) (-)

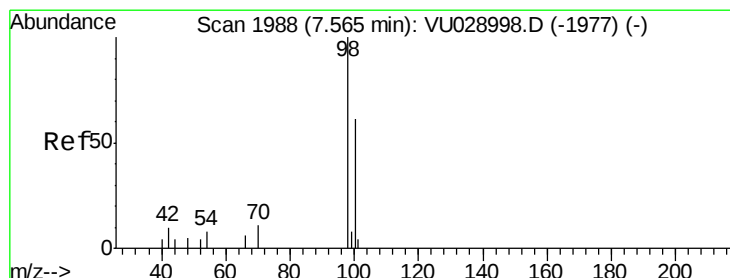
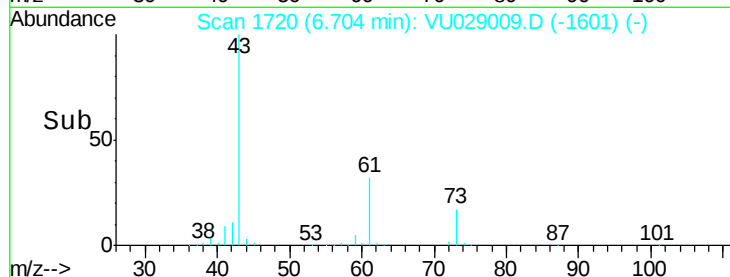
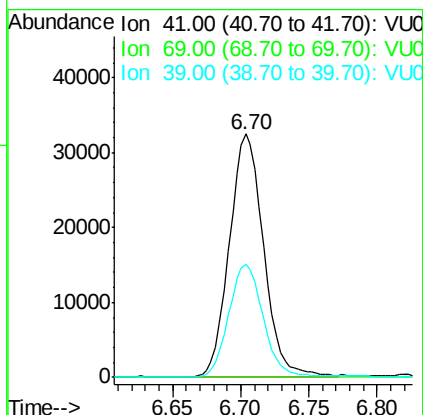
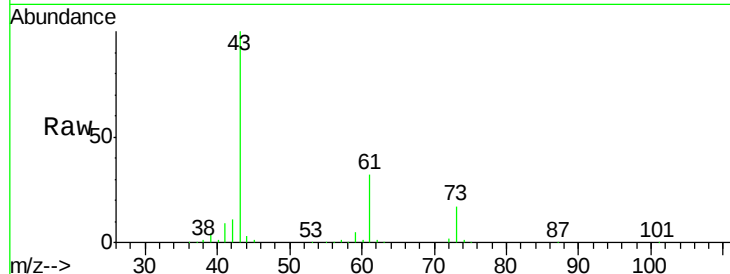




#48
Methvl methacrylate
Concen: 31.825 ug/l
RT: 6.70 min Scan# 1720
Delta R.T. 0.08 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

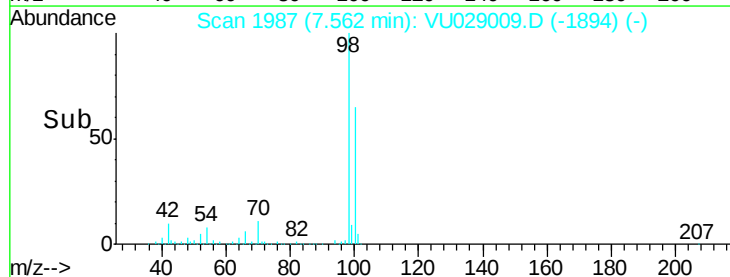
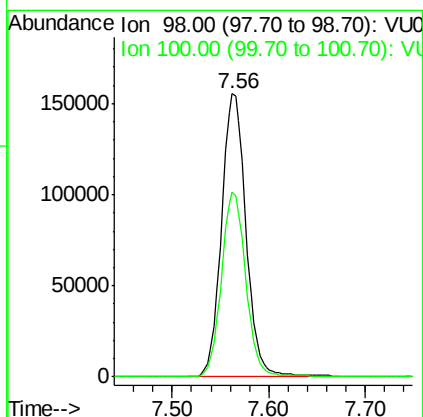
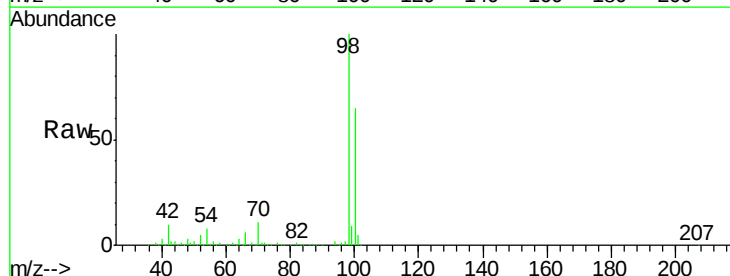
Instrument :
MSVOA_U
ClientSampleId :

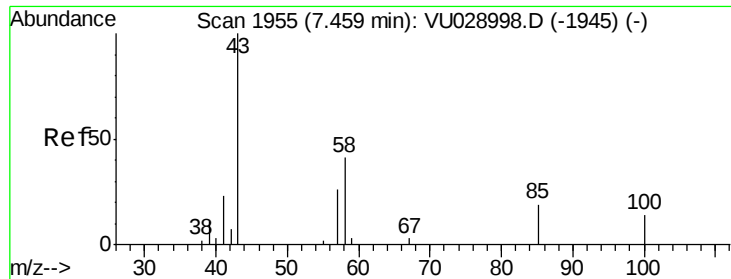
Tot Ion: 41 Resp: 56851
Ion Ratio Lower Upper
41 100
69 0.0 73.6 110.4#
39 46.9 39.6 59.4



#50
Toluene-d8
Concen: 49.087 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

Tgt Ion: 98 Resp: 273827
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.796 ug/l

RT: 7.56 min Scan# 1986

Delta R.T. 0.10 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

Instrument :

MSVOA_U

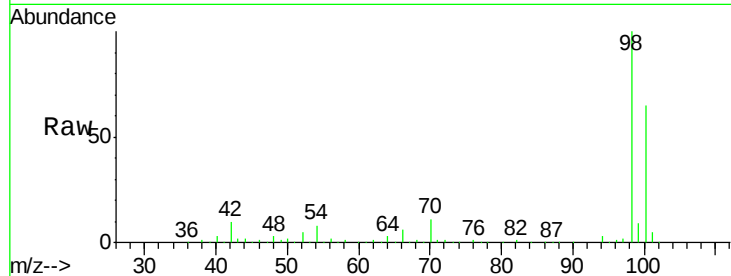
ClientSampleId :

Tot Ion: 43 Resp: 4484

Ion Ratio Lower Upper

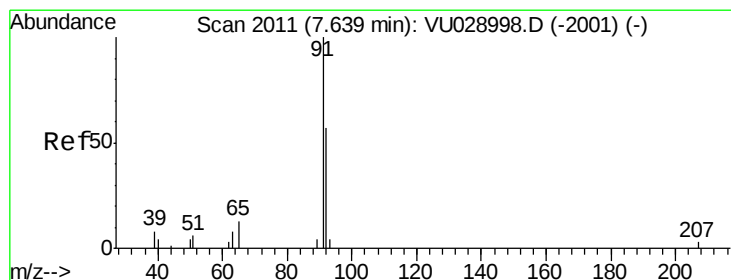
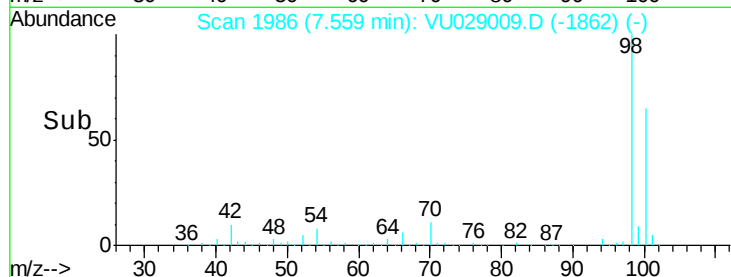
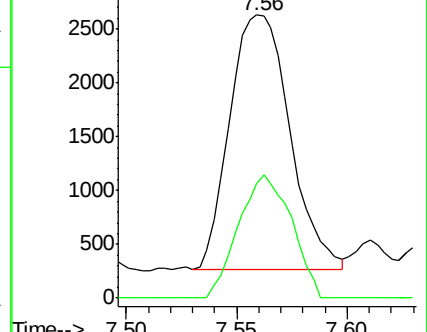
43 100

58 42.6 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-1945) (-)

Ion 58.00 (57.70 to 58.70): VU028998.D (-1945) (-)



#52

Toluene

Concen: 11.396 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029009.D

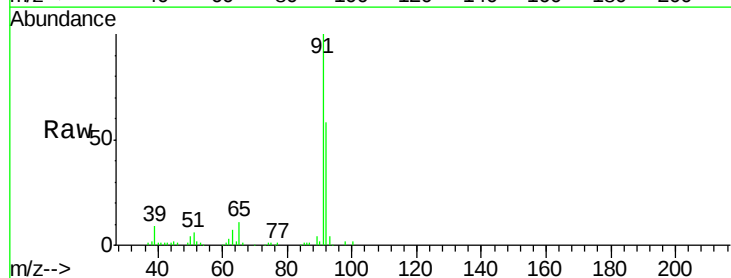
Acq: 03 Jan 2019 20:02

Tgt Ion: 92 Resp: 47151

Ion Ratio Lower Upper

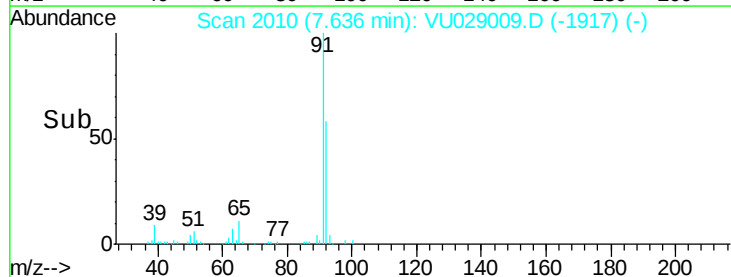
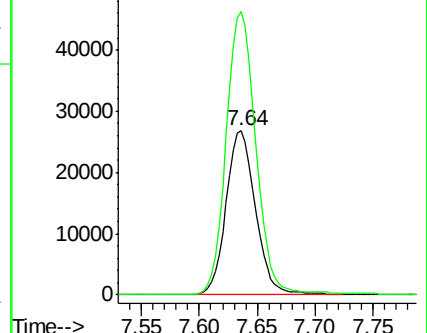
92 100

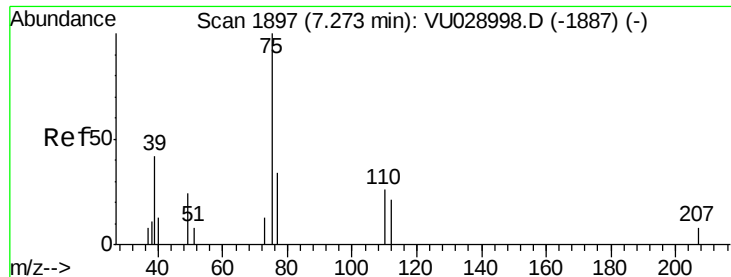
91 172.3 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU028998.D (-2001) (-)

Ion 91.00 (90.70 to 91.70): VU028998.D (-2001) (-)





#54

cis-1,3-Dichloropropene

Concen: 8.622 ug/l

RT: 7.42 min Scan# 1942

Delta R.T. 0.15 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

Instrument :
MSVOA_U
ClientSampleId :

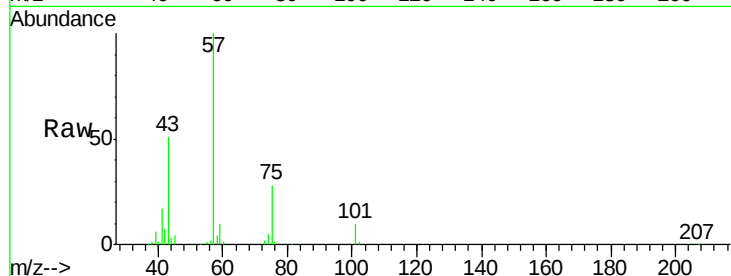
Tot Ion: 75 Resp: 23642

Ion Ratio Lower Upper

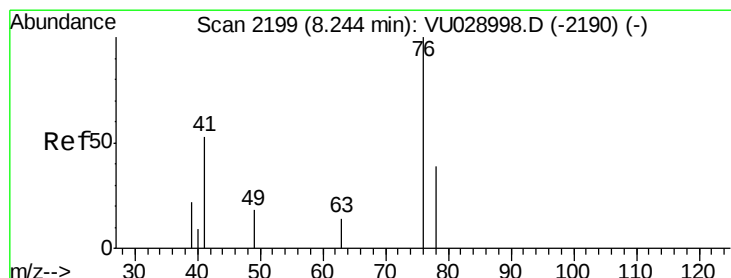
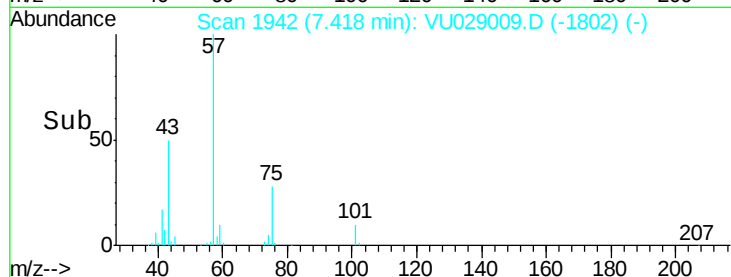
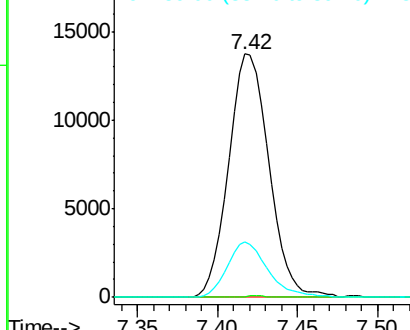
75 100

77 0.0 25.0 37.6#

39 22.7 32.2 48.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 76.90 (76.60 to 77.60): VU0
Ion 39.00 (38.70 to 39.70): VU0



#57

1,3-Dichloropropane

Concen: 1.900 ug/l

RT: 8.41 min Scan# 2252

Delta R.T. 0.17 min

Lab File: VU029009.D

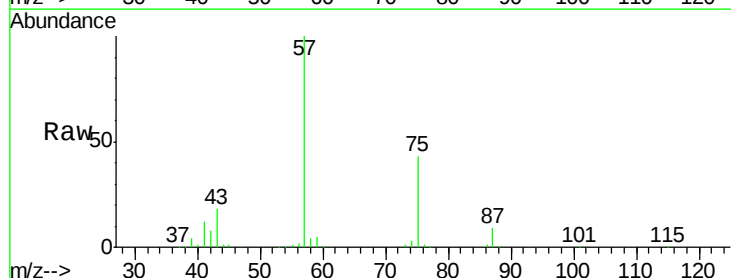
Acq: 03 Jan 2019 20:02

Tgt Ion: 76 Resp: 5388

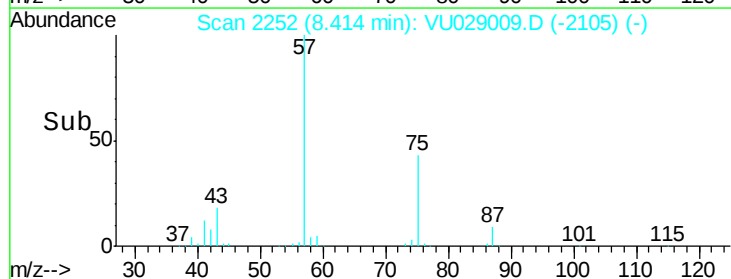
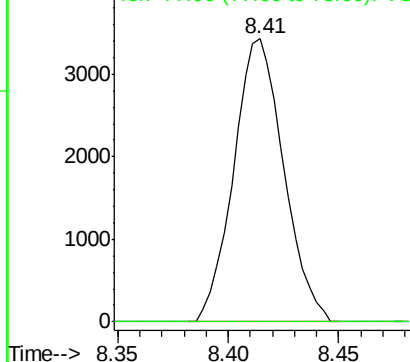
Ion Ratio Lower Upper

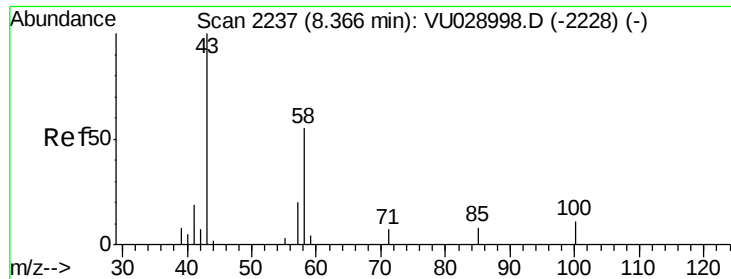
76 100

78 0.0 26.0 39.0#



Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0

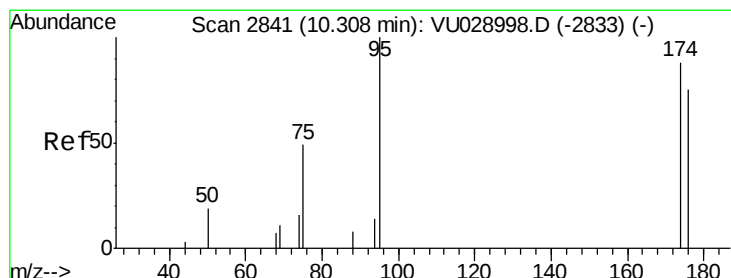
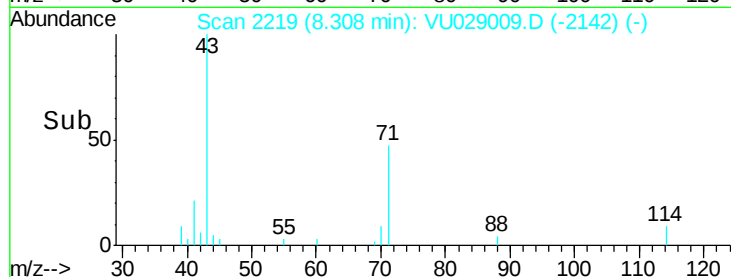
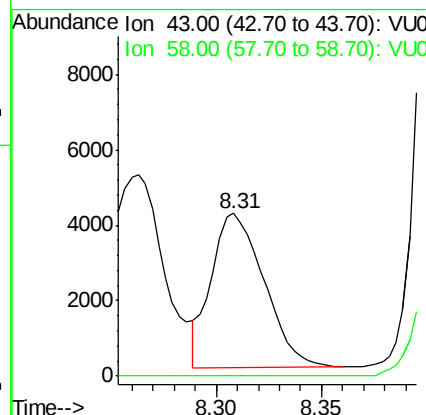
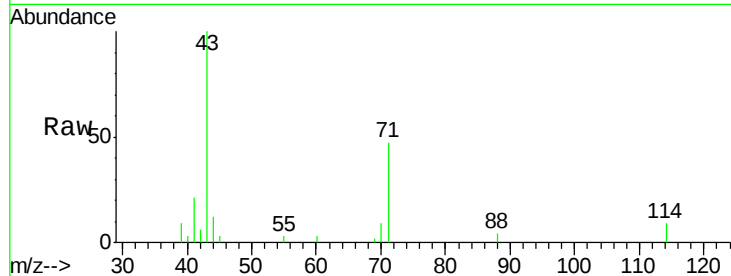




#59
2-Hexanone
Concen: 3.616 ug/l
RT: 8.31 min Scan# 2219
Delta R.T. -0.05 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

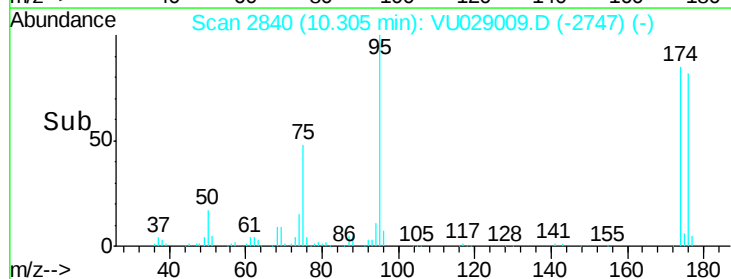
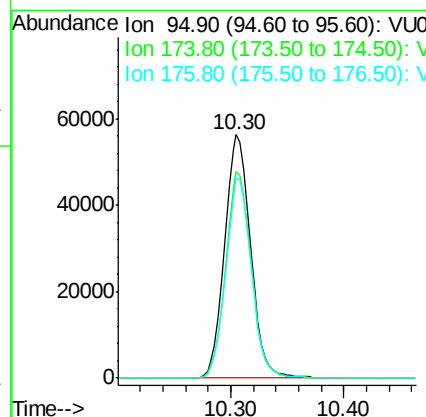
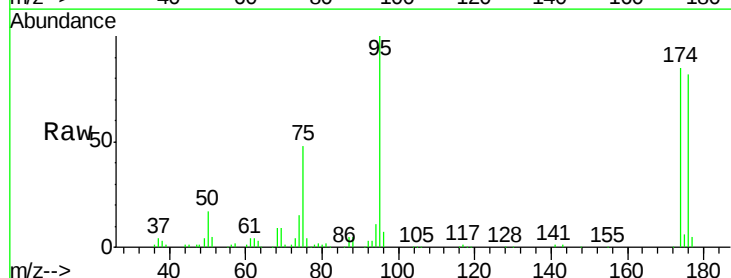
Instrument :
MSVOA_U
ClientSampled :

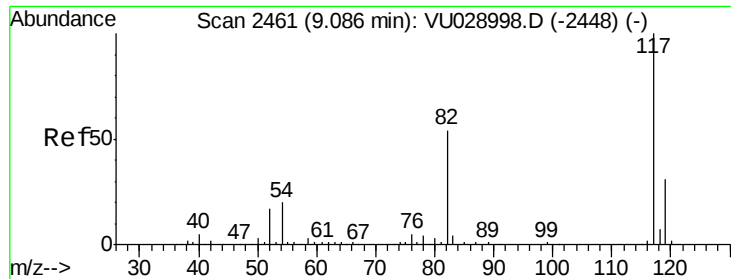
Tot Ion: 43 Resp: 7086
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.4#



#62
4-Bromofluorobenzene
Concen: 44.812 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

Tgt Ion: 95 Resp: 89838
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.6
176 81.8 0.0 165.0

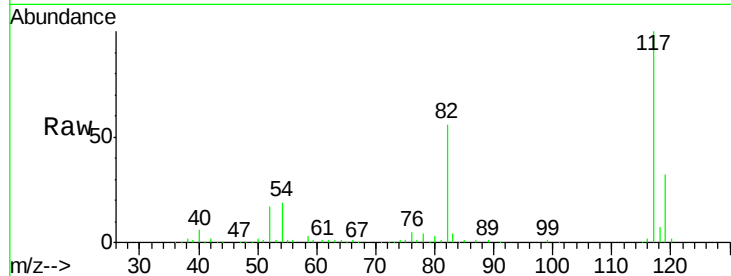




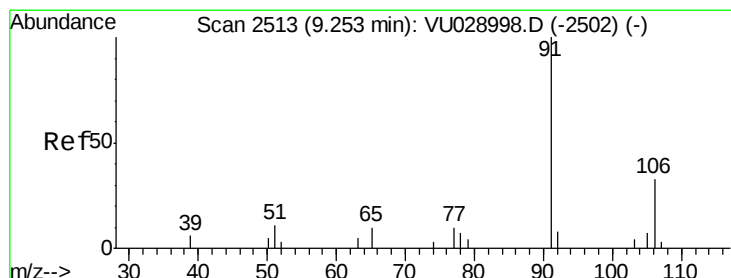
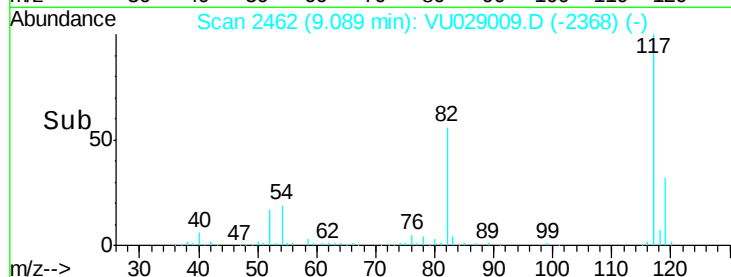
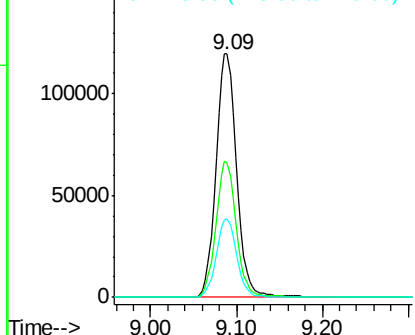
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 200034
Ion Ratio Lower Upper
117 100
82 55.5 43.9 65.9
119 32.1 26.0 39.0

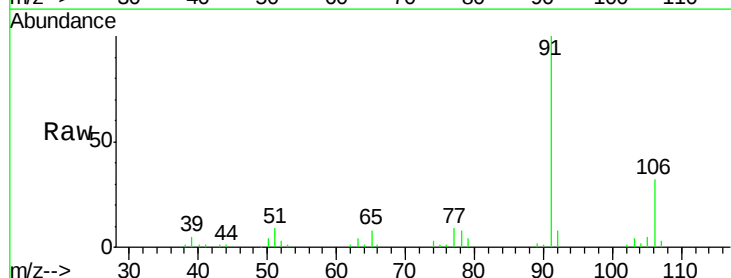


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

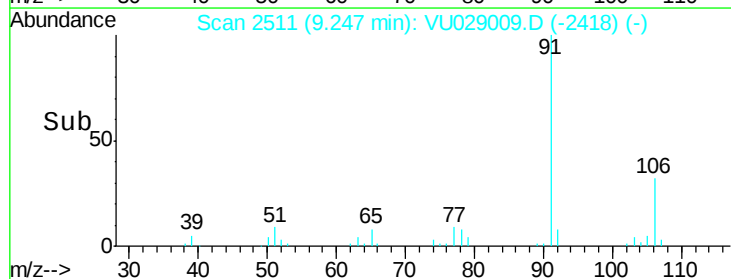
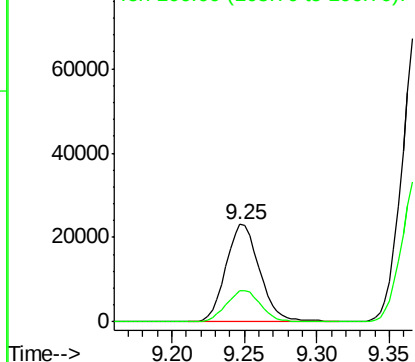


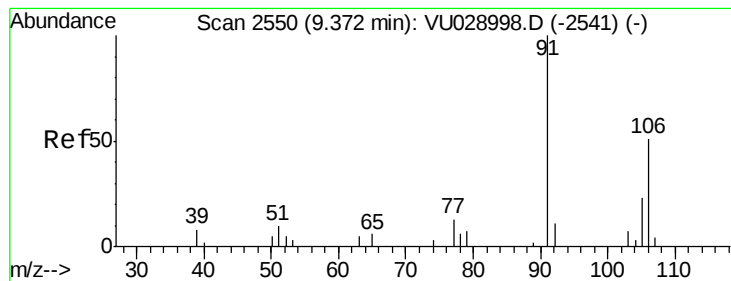
#67
Ethyl Benzene
Concen: 5.029 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

Tgt Ion: 91 Resp: 37646
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.4



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





#68

m/p-Xylenes

Concen: 21.992 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

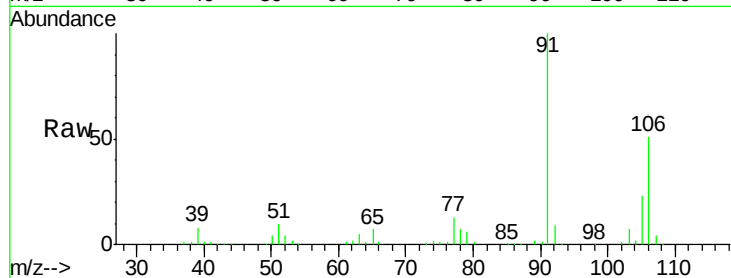
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 63968

Ion Ratio Lower Upper

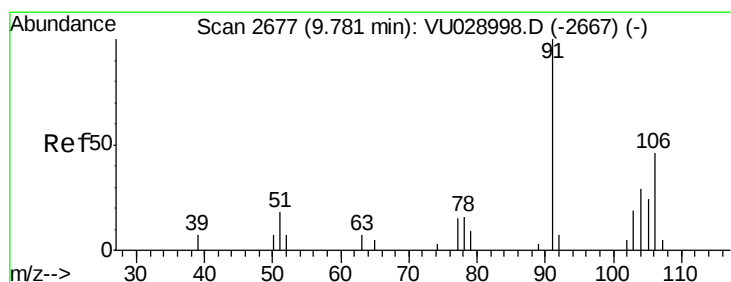
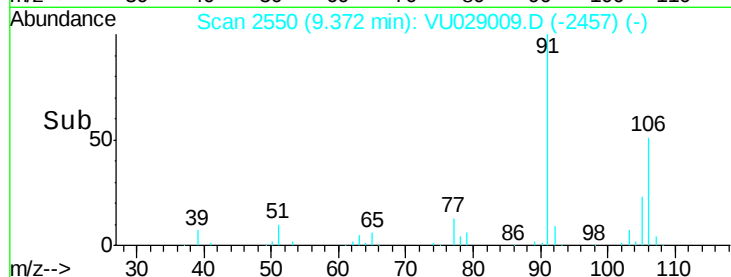
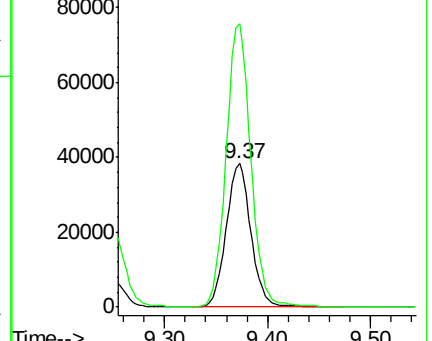
106 100

91 195.1 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 9.128 ug/l

RT: 9.78 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VU029009.D

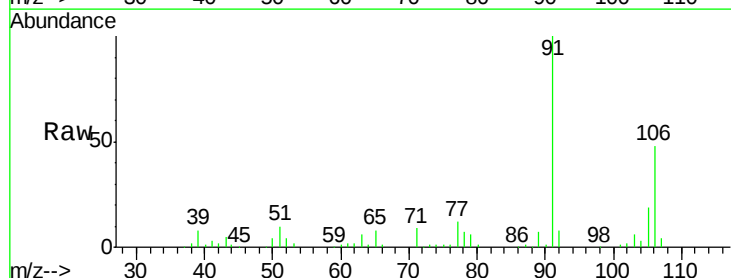
Acq: 03 Jan 2019 20:02

Tgt Ion:106 Resp: 25583

Ion Ratio Lower Upper

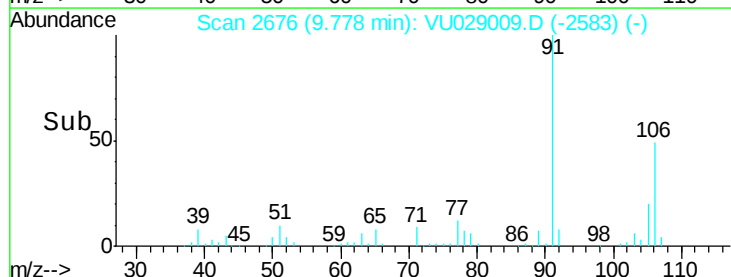
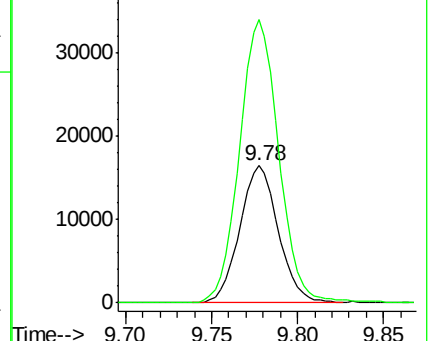
106 100

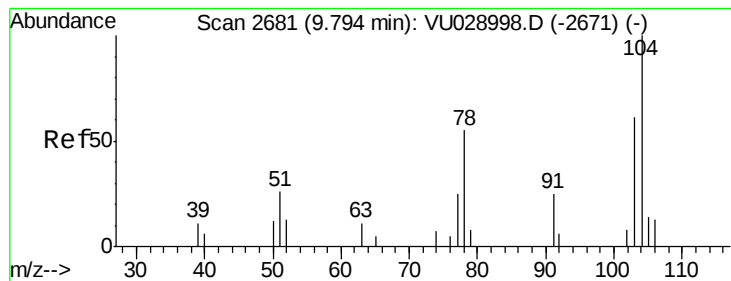
91 210.7 106.1 318.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#70

Stvrene

Concen: 0.304 ug/l

RT: 9.78 min Scan# 2677

Delta R.T. -0.01 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

Instrument :
MSVOA_U
ClientSampleId :

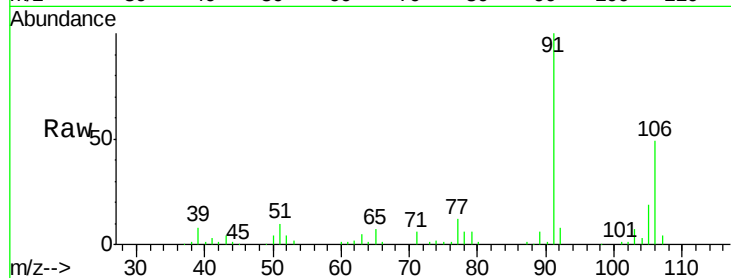
Tot Ion:104 Resp: 1395

Ion Ratio Lower Upper

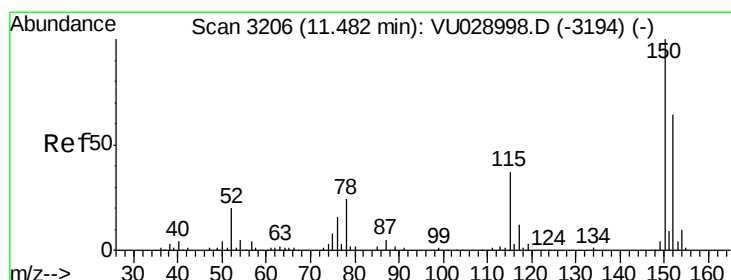
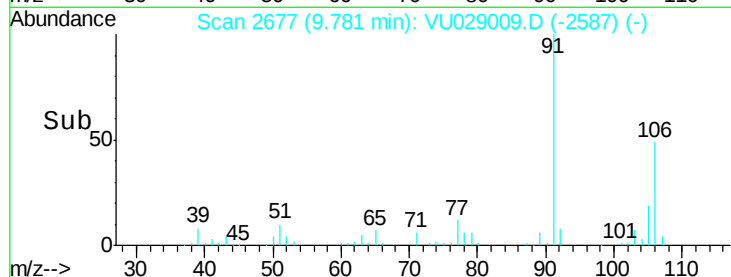
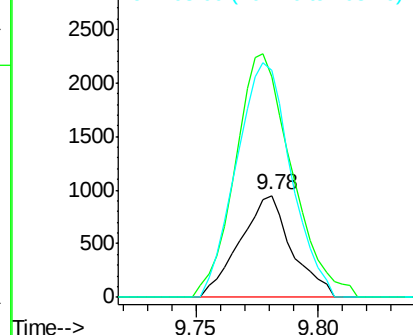
104 100

78 261.1 38.6 58.0#

103 243.4 44.5 66.7#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
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: VU029009.D

Acq: 03 Jan 2019 20:02

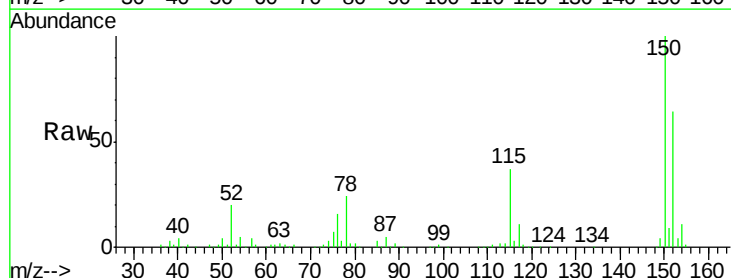
Tgt Ion:152 Resp: 84679

Ion Ratio Lower Upper

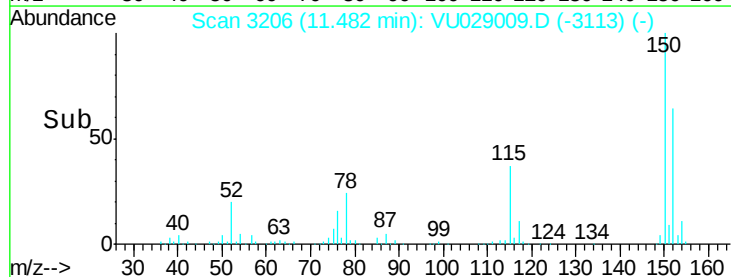
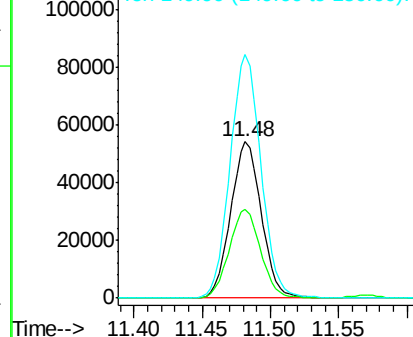
152 100

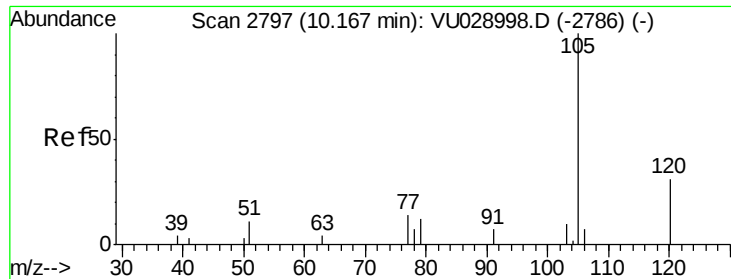
115 57.9 40.1 120.3

150 157.1 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: 0.584 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

Instrument :

MSVOA_U

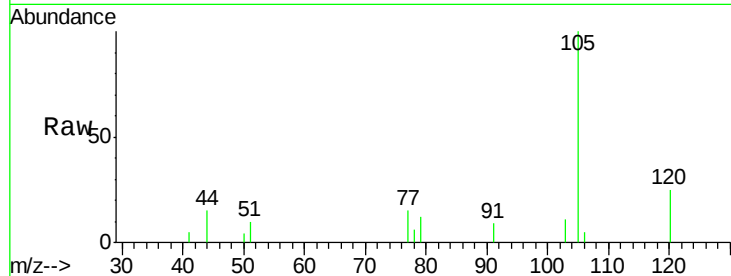
ClientSampled :

Tot Ion:105 Resp: 3658

Ion Ratio Lower Upper

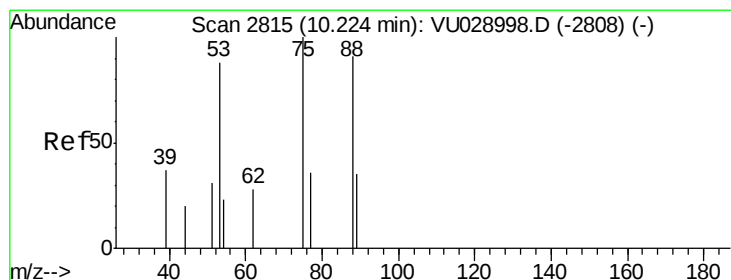
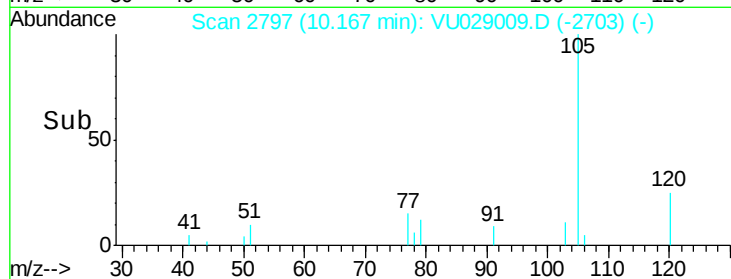
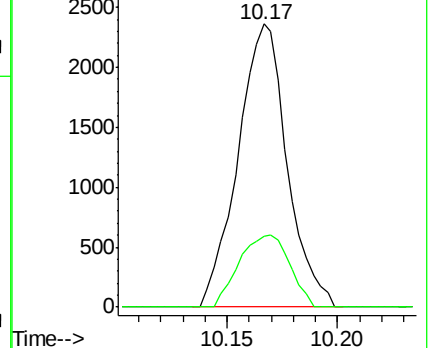
105 100

120 26.1 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: 20.298 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029009.D

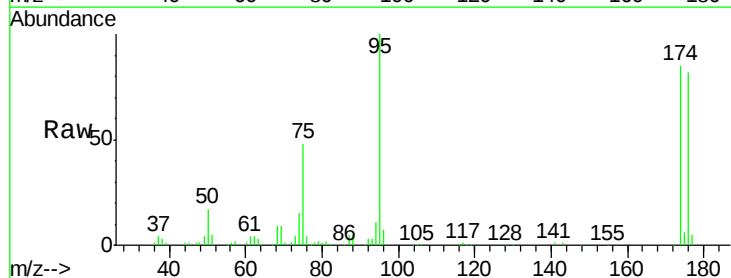
Acq: 03 Jan 2019 20:02

Tgt Ion: 75 Resp: 42114

Ion Ratio Lower Upper

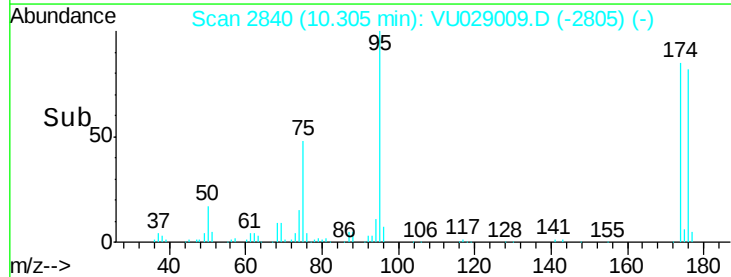
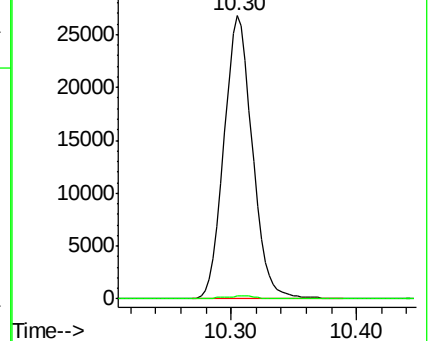
75 100

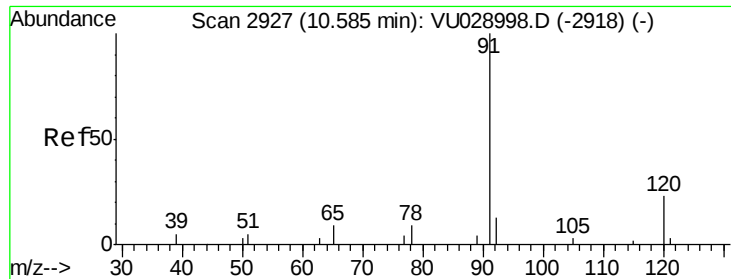
77 1.1 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 2.499 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

Instrument :

MSVOA_U

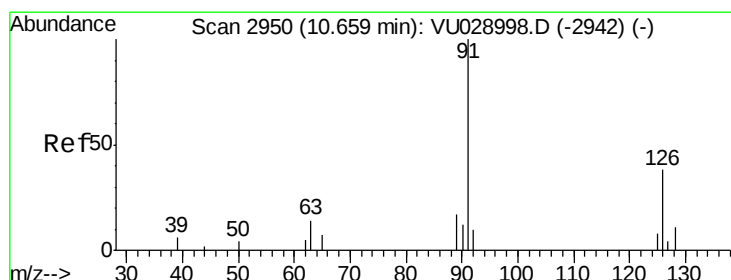
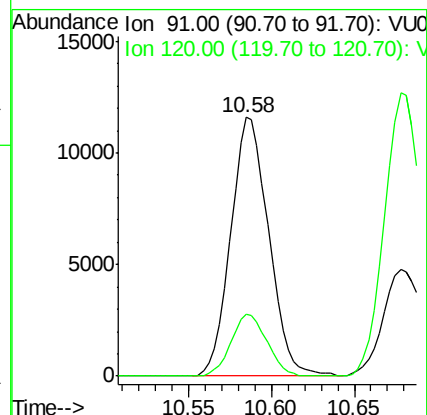
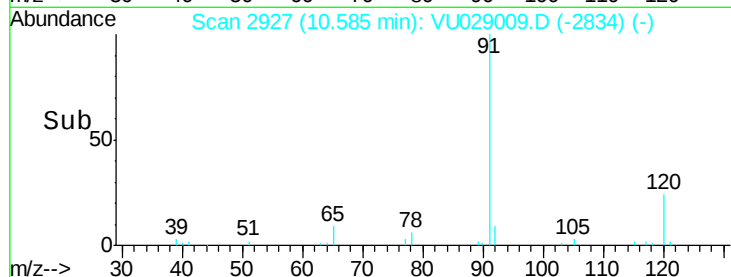
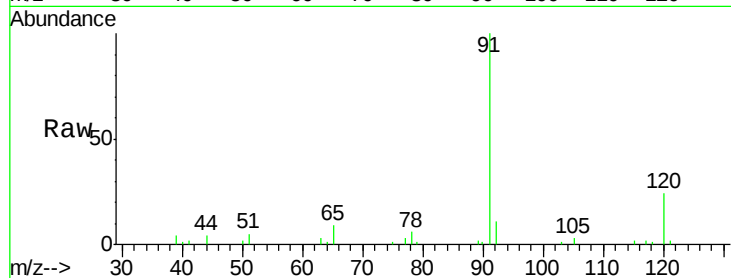
ClientSampled :

Tot Ion: 91 Resp: 18457

Ion Ratio Lower Upper

91 100

120 22.3 11.3 33.9



#79

2-Chlorotoluene

Concen: 2.311 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.02 min

Lab File: VU029009.D

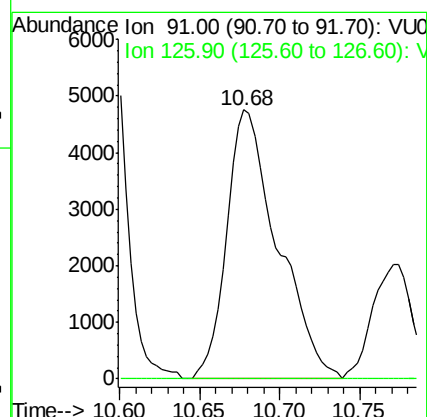
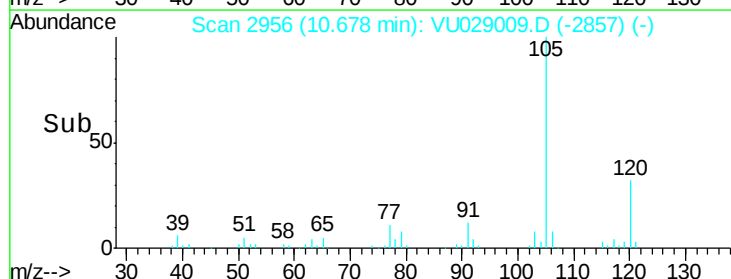
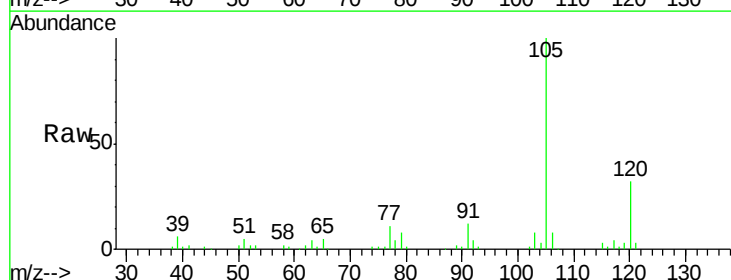
Acq: 03 Jan 2019 20:02

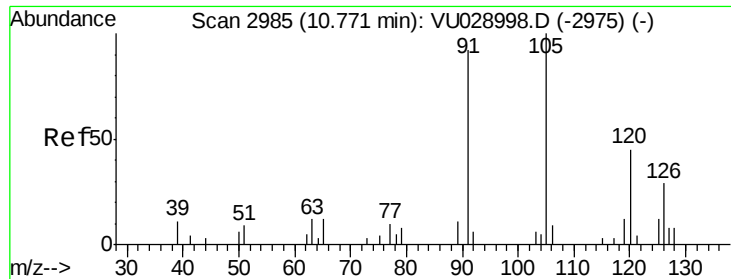
Tgt Ion: 91 Resp: 10353

Ion Ratio Lower Upper

91 100

126 0.0 16.8 50.4#





#80

1,3,5-Trimethylbenzene

Concen: 6.151 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

Instrument :

MSVOA_U

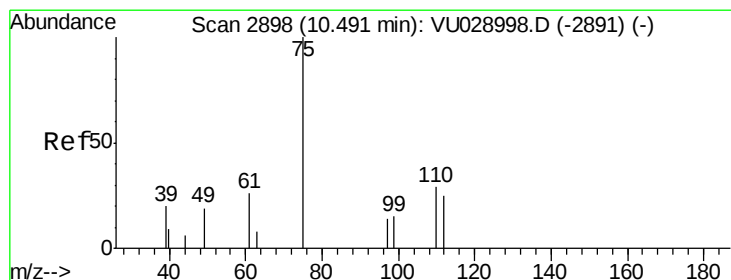
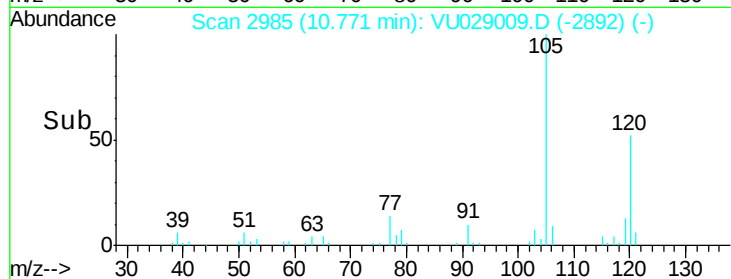
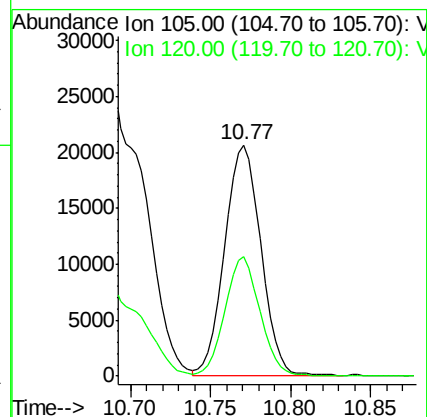
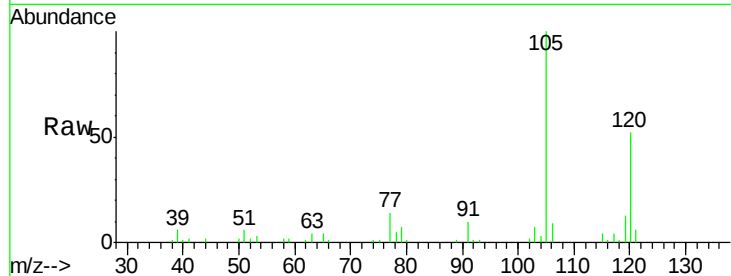
ClientSampled :

Tot Ion:105 Resp: 32195

Ion Ratio Lower Upper

105 100

120 49.7 24.8 74.4



#81

trans-1,4-Dichloro-2-butene

Concen: 52.350 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

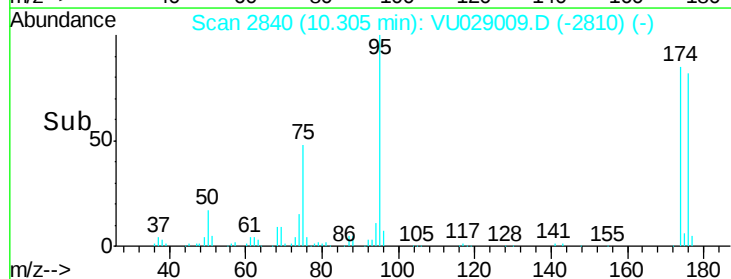
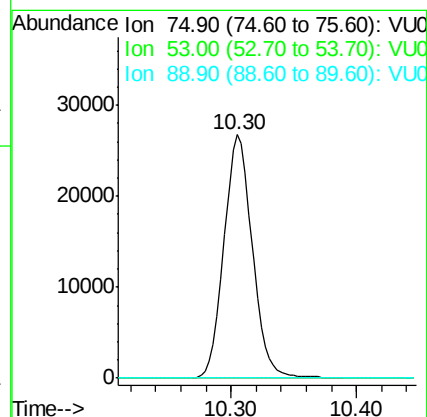
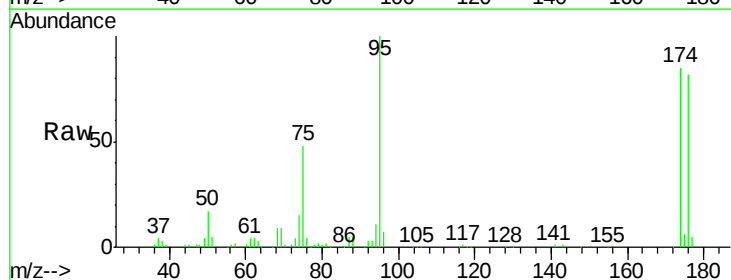
Tgt Ion: 75 Resp: 42114

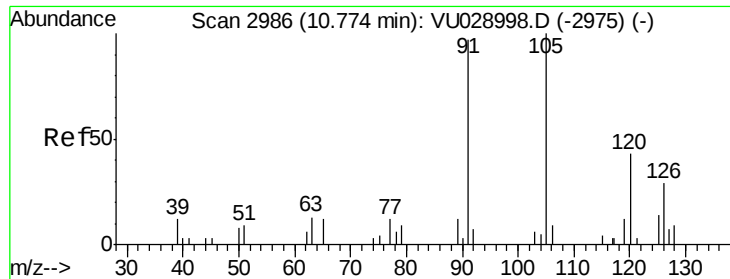
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

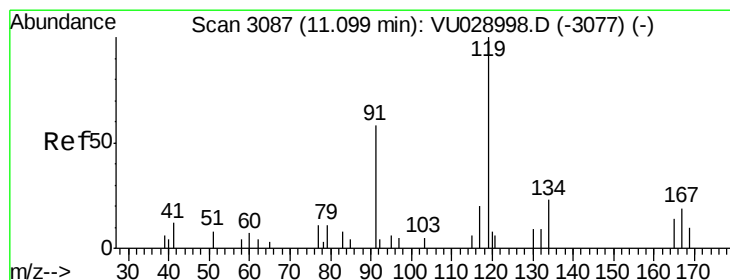
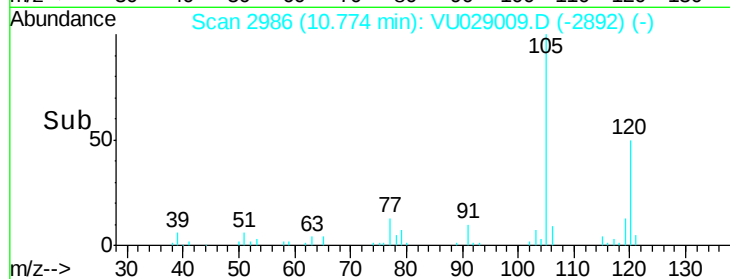
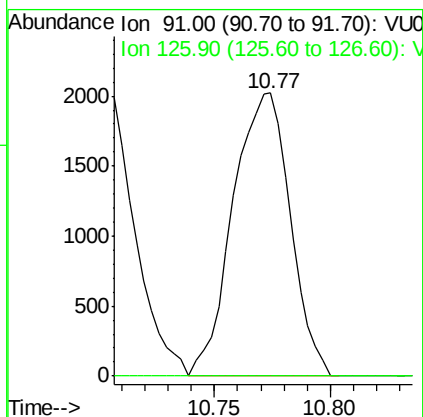
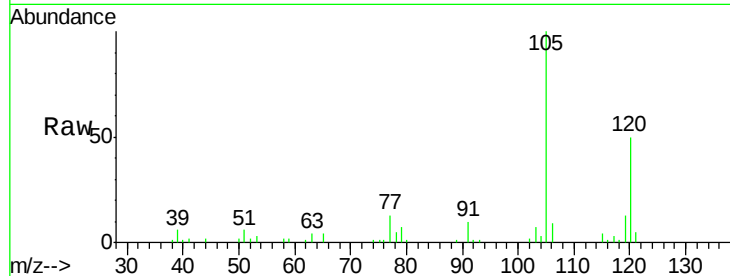




#82
4-Chlorotoluene
Concen: 0.674 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

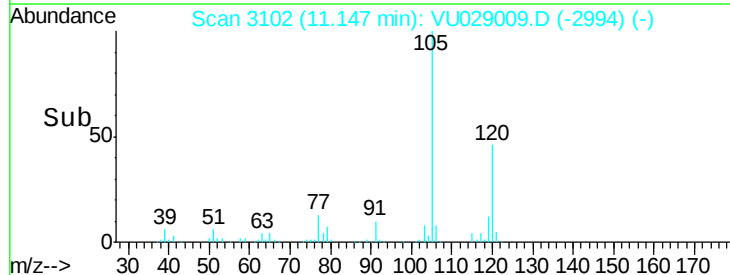
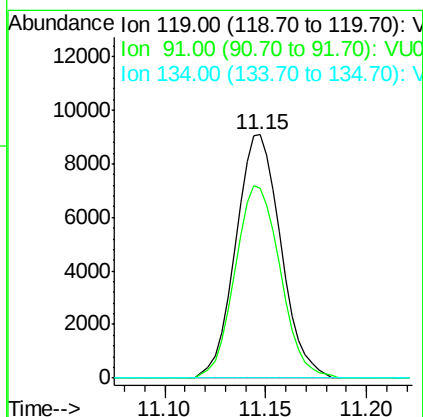
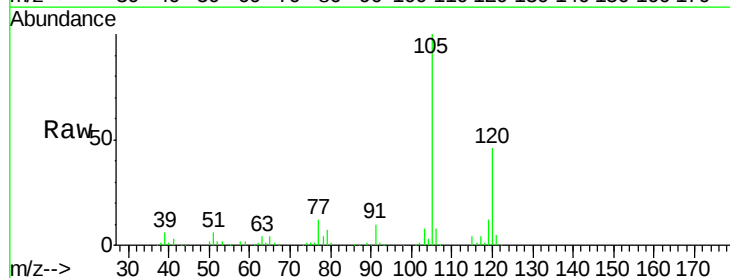
Instrument :
MSVOA_U
ClientSampled :

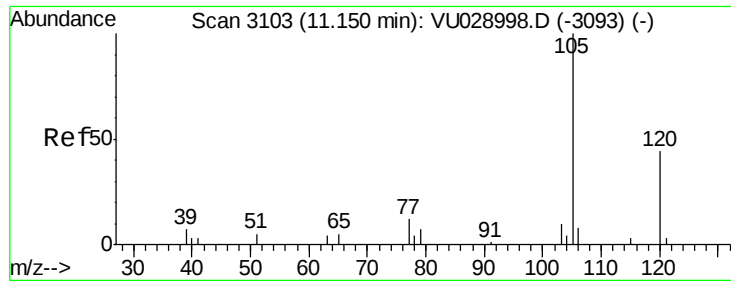
Tot Ion: 91 Resp: 3465
Ion Ratio Lower Upper
91 100
126 0.0 15.5 46.5#



#83
tert-Butylbenzene
Concen: 2.760 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.05 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

Tgt Ion: 119 Resp: 14240
Ion Ratio Lower Upper
119 100
91 79.3 28.2 84.6
134 0.0 11.3 33.8#

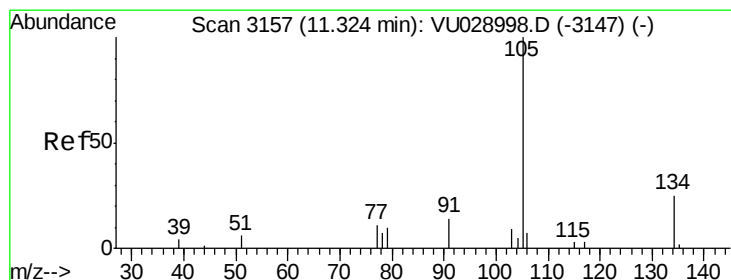
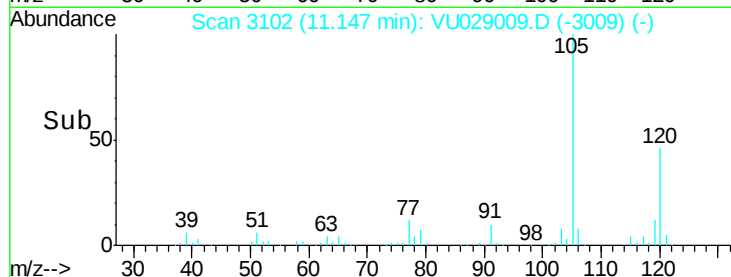
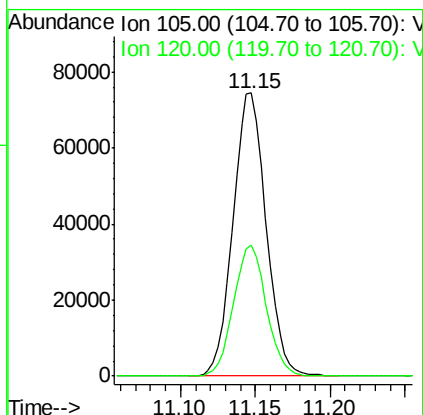
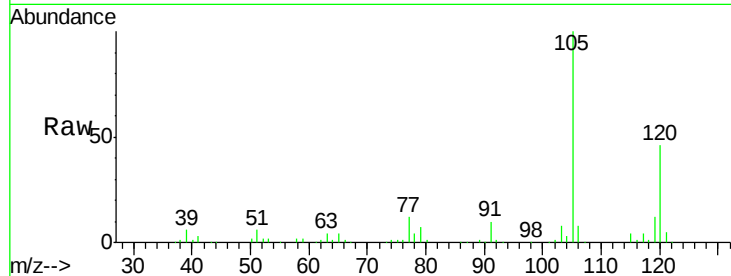




#84
 1,2,4-Trimethylbenzene
 Concen: 21.940 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029009.D
 Acq: 03 Jan 2019 20:02

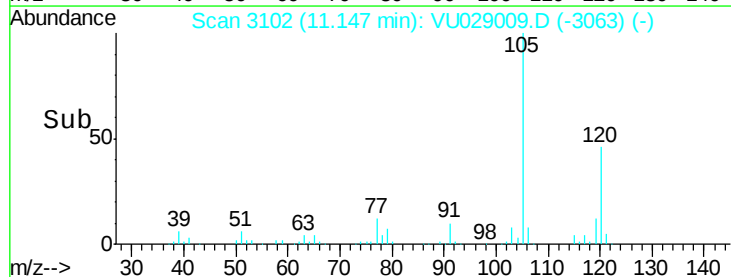
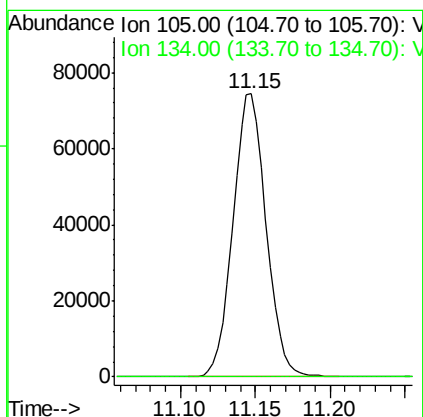
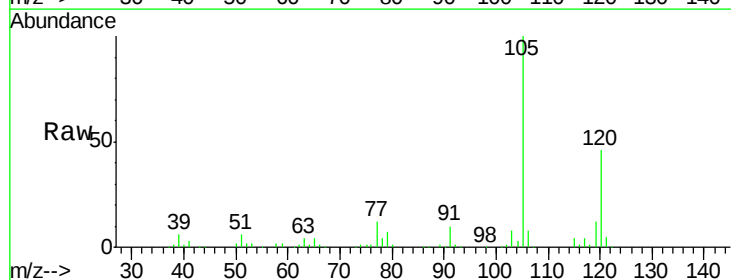
Instrument :
 MSVOA_U
 ClientSampled :

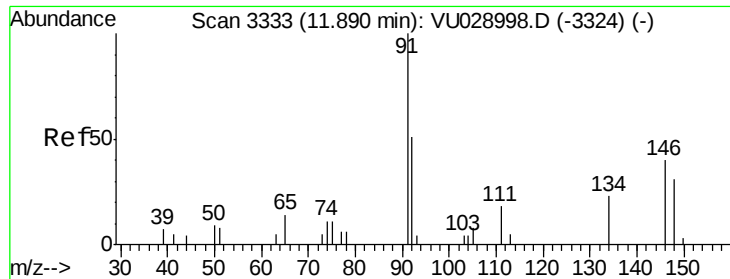
Tot Ion:105 Resp: 114653
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 18.377 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.17 min
 Lab File: VU029009.D
 Acq: 03 Jan 2019 20:02

Tgt Ion:105 Resp: 114653
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 29.1#

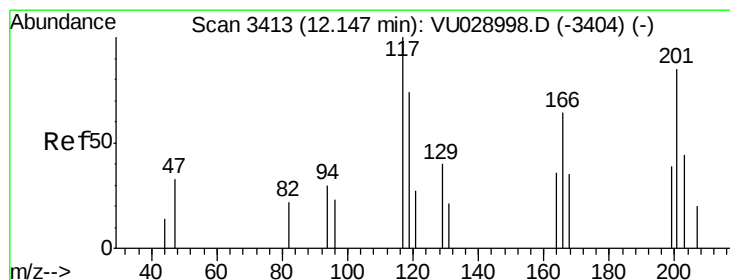
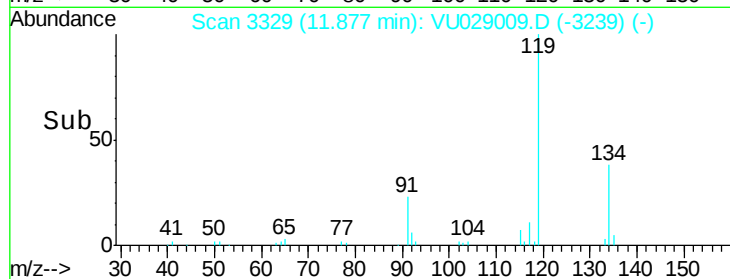
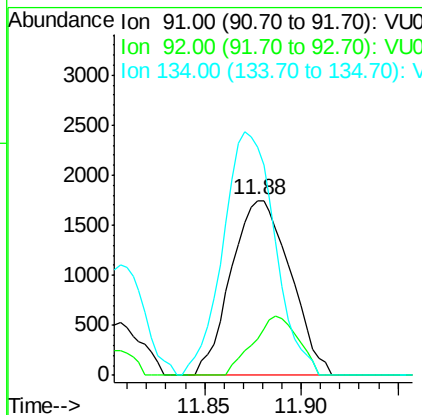
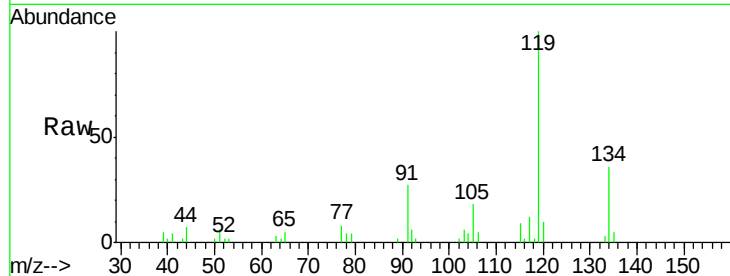




#89
n-Butylbenzene
Concen: 0.784 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. -0.01 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

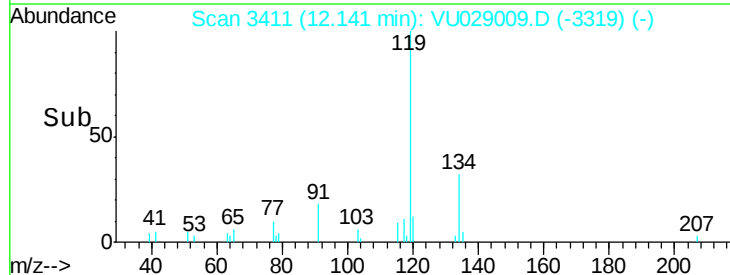
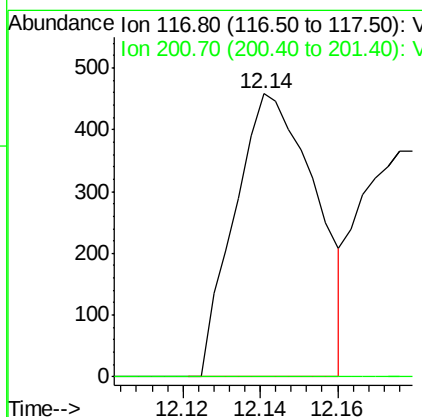
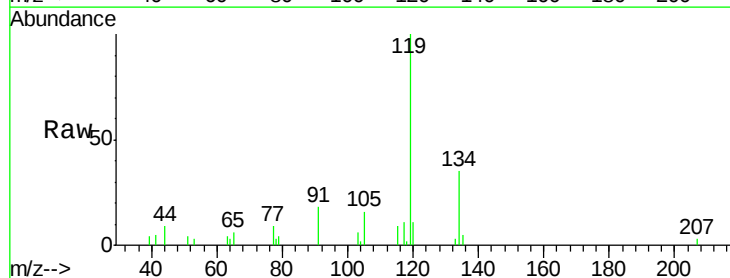
Instrument :
MSVOA_U
ClientSampleId :

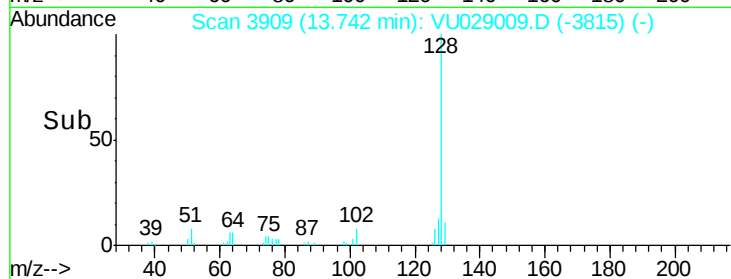
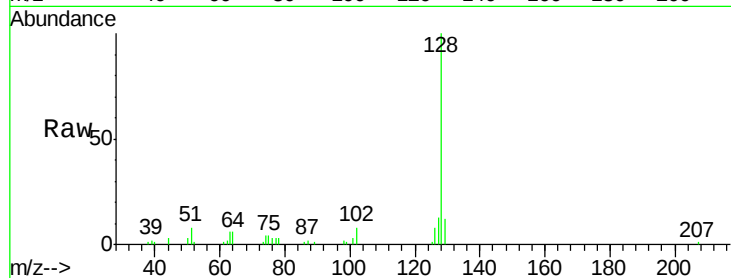
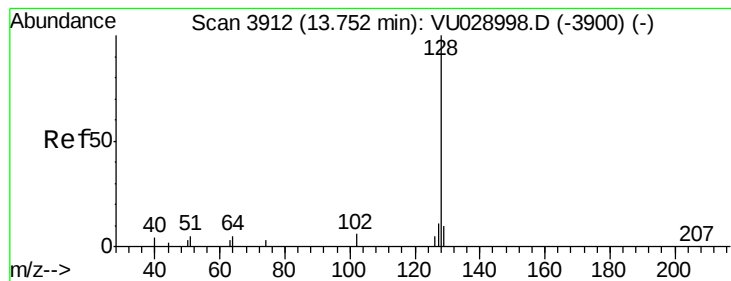
Tot Ion: 91 Resp: 3719
Ion Ratio Lower Upper
91 100
92 25.8 26.2 78.5#
134 121.9 12.6 37.6#



#90
Hexachloroethane
Concen: 0.748 ug/l
RT: 12.14 min Scan# 3411
Delta R.T. -0.00 min
Lab File: VU029009.D
Acq: 03 Jan 2019 20:02

Tgt Ion: 117 Resp: 669
Ion Ratio Lower Upper
117 100
201 0.0 42.4 127.3#





#95

Naphthalene

Concen: 4.847 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU029009.D

Acq: 03 Jan 2019 20:02

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 31764

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

129 10.5 8.5 12.7

