

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111318\
 Data File : VU028086.D
 Acq On : 13 Nov 2018 12:53
 Operator : MD/SY
 Sample : J5921-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 06:56:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	225844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	422929	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	378769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	158340	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	181149	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	
35) Dibromofluoromethane	4.88	113	135208	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	7.57	98	541361	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	10.31	95	186612	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	821	0.237	ug/l #	78
5) Bromomethane	1.60	94	877	0.762	ug/l #	72
10) Methyl Iodide	2.41	142	239	7.853	ug/l #	70
11) Tert butyl alcohol	2.83	59	20868	23.476	ug/l	100
13) Acrolein	2.20	56	148	Below Cal	#	15
15) Acrylonitrile	3.00	53	1564	0.716	ug/l #	30
16) Acetone	2.32	43	578053	277.475	ug/l	98
18) Methyl Acetate	2.45	43	18160	3.169	ug/l #	58
19) Methyl tert-butyl Ether	3.00	73	154836	16.221	ug/l	98
20) Methylene Chloride	2.70	84	904	0.297	ug/l #	78
25) 2-Butanone	4.26	43	303850	91.679	ug/l	96
28) Bromochloromethane	4.64	49	979	0.351	ug/l #	23
29) Tetrahydrofuran	4.64	42	666639	301.227	ug/l	98
31) Cyclohexane	4.99	56	21046	1.982	ug/l #	65
36) 1,1-Dichloropropene	4.99	75	20127	4.544	ug/l #	50
37) Ethyl Acetate	4.26	43	303850	46.817	ug/l #	71
38) Carbon Tetrachloride	4.98	117	23252	5.923	ug/l #	16
39) Methylcyclohexane	6.42	83	5813	1.088	ug/l	94
40) Benzene	5.39	78	192121	14.186	ug/l	100
41) Methacrylonitrile	4.64	41	354754	102.423	ug/l #	47
42) 1,2-Dichloroethane	5.40	62	12157	2.525	ug/l	95
43) Isopropyl Acetate	5.57	43	6898	0.678	ug/l #	74
51) 4-Methyl-2-Pentanone	7.46	43	36000	5.301	ug/l	97
52) Toluene	7.64	92	327996	41.197	ug/l	98
53) t-1,3-Dichloropropene	7.64	75	4211	1.885	ug/l #	1
55) 1,1,2-Trichloroethane	7.94	97	4179	1.290	ug/l #	17
56) Ethyl methacrylate	7.93	69	1596	0.279	ug/l #	34
59) 2-Hexanone	8.37	43	41543	7.910	ug/l	99
60) Dibromochloromethane	8.23	129	1151	0.376	ug/l #	10
64) Tetrachloroethene	8.23	164	1375	0.560	ug/l #	71
67) Ethyl Benzene	9.25	91	70409	4.780	ug/l	97
68) m/p-Xylenes	9.37	106	321896	60.229	ug/l	99
69) o-Xylene	9.78	106	195018	36.135	ug/l	98
70) Styrene	9.78	104	9074	1.052	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

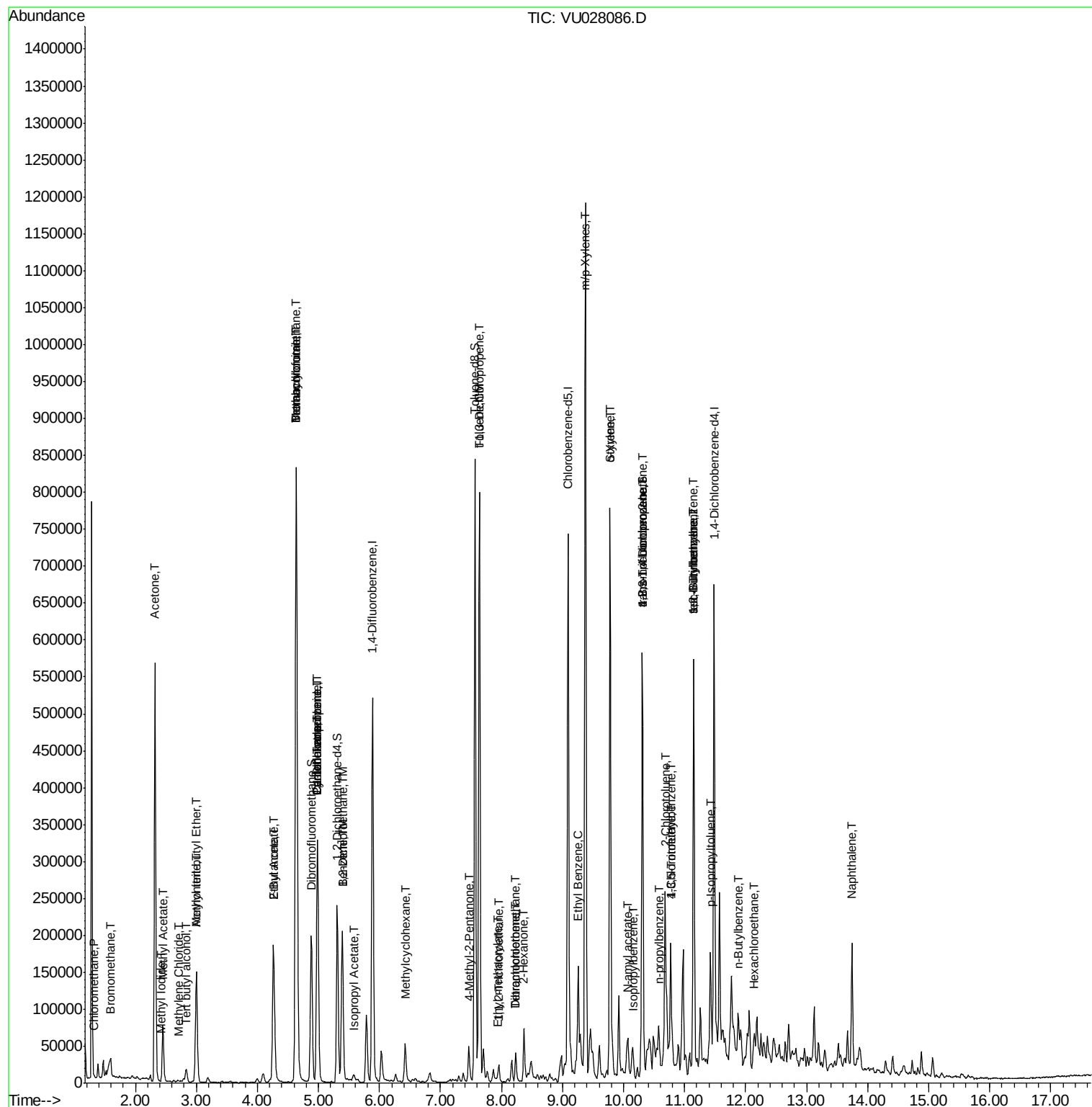
73) Isopropylbenzene	10.17	105	4913	0.401	uq/l	96
74) N-amyl acetate	10.07	43	30812	4.154	uq/l #	47
76) 1,2,3-Trichloropropane	10.31	75	92696	21.403	uq/l #	34
78) n-propylbenzene	10.59	91	11091	0.755	uq/l	96
79) 2-Chlorotoluene	10.68	91	22824	2.593	uq/l #	45
80) 1,3,5-Trimethylbenzene	10.77	105	68045	6.696	uq/l	98
81) trans-1,4-Dichloro-2-buten	10.31	75	92696	53.420	uq/l #	100
82) 4-Chlorotoluene	10.77	91	8482	0.849	uq/l #	64
83) tert-Butylbenzene	11.15	119	32161	3.166	uq/l #	57
84) 1,2,4-Trimethylbenzene	11.15	105	277362	27.107	uq/l	99
85) sec-Butylbenzene	11.15	105	277362	22.451	uq/l #	59
86) p-Isopropyltoluene	11.43	119	4464	0.432	uq/l	91
89) n-Butylbenzene	11.88	91	5821	0.593	uq/l #	4
90) Hexachloroethane	12.15	117	1572	0.855	uq/l #	11
95) Naphthalene	13.74	128	125238	9.495	uq/l	99

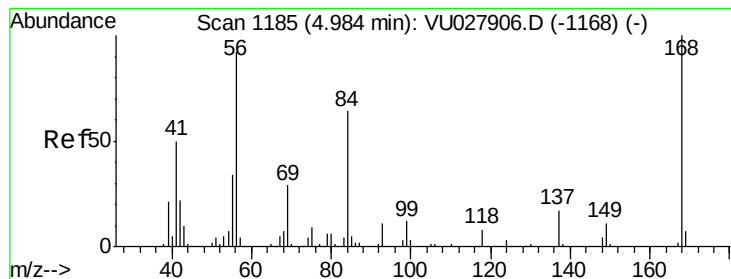
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028086.D

Acq: 13 Nov 2018 12:53

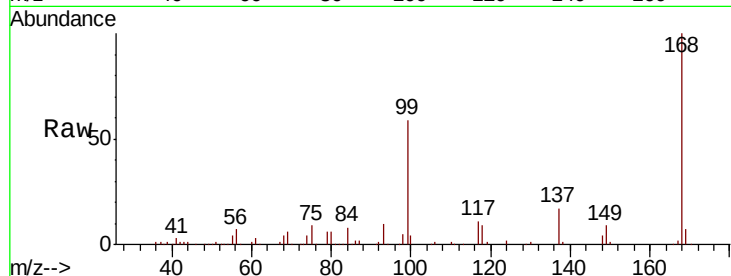
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 225844

Ion Ratio Lower Upper

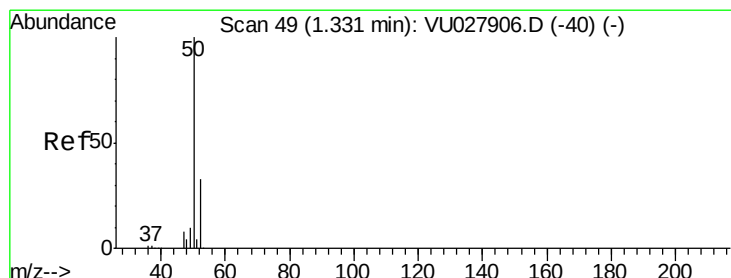
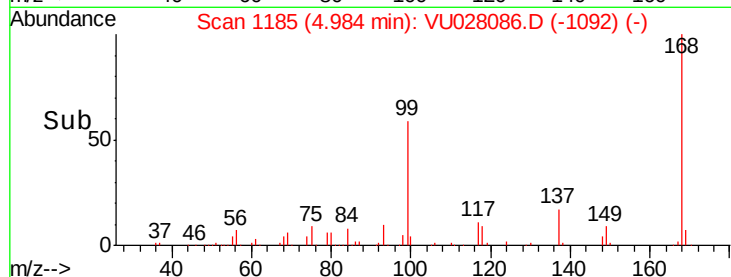
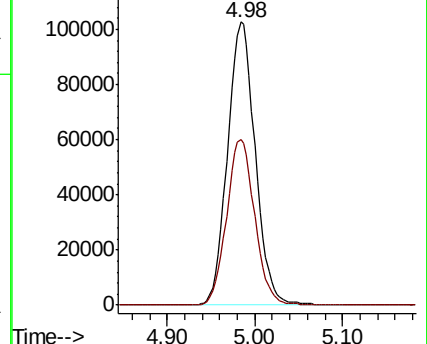
168 100

99 58.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)



#3

Chloromethane

Concen: 0.237 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028086.D

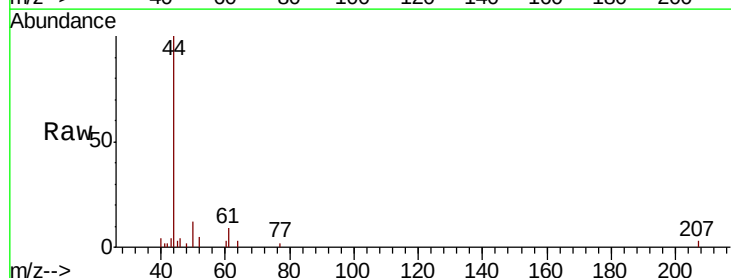
Acq: 13 Nov 2018 12:53

Tgt Ion: 50 Resp: 821

Ion Ratio Lower Upper

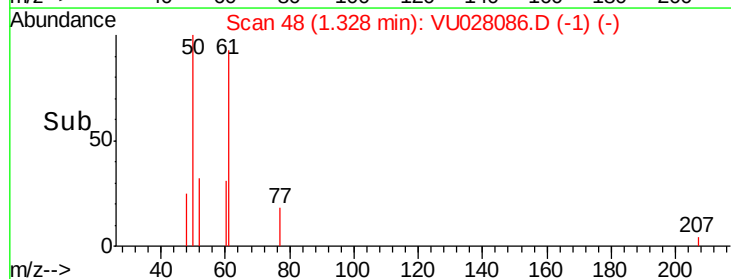
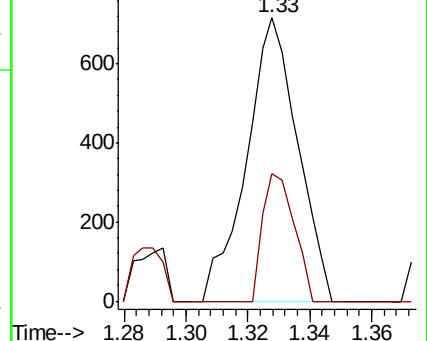
50 100

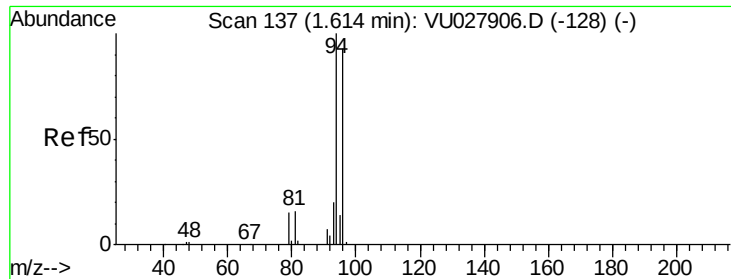
52 45.0 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VU027906.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027906.D (-40) (-)





#5

Bromomethane

Concen: 0.762 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

Instrument :

MSVOA_U

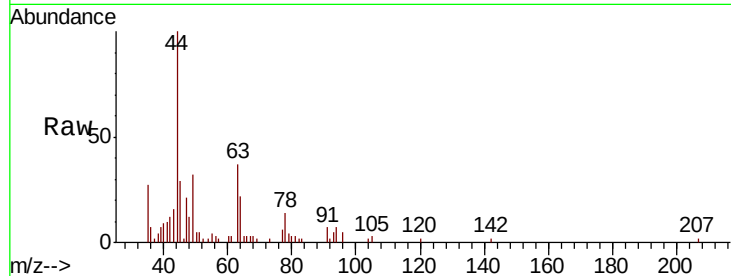
ClientSampled :

Tot Ion: 94 Resp: 877

Ion Ratio Lower Upper

94 100

96 66.3 74.8 112.2#

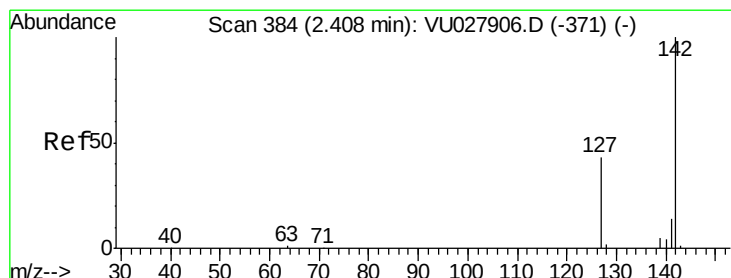
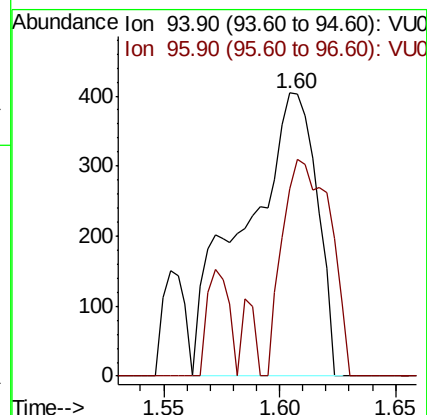
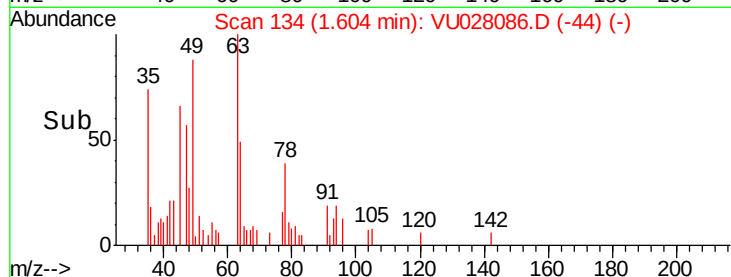


Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027906.D (-128) (-)

1.60

Time-->



#10

Methyl Iodide

Concen: 7.853 ug/l

RT: 2.41 min Scan# 386

Delta R.T. 0.01 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

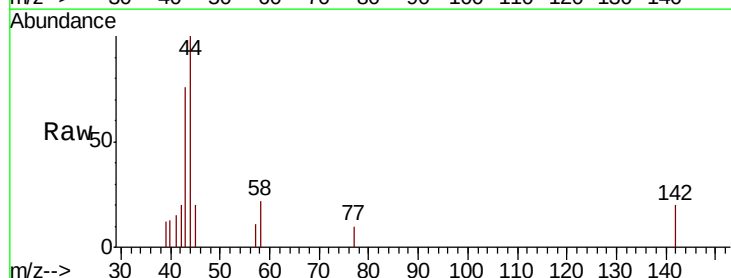
Tgt Ion: 142 Resp: 239

Ion Ratio Lower Upper

142 100

127 25.5 35.2 52.8#

141 0.0 11.8 17.8#



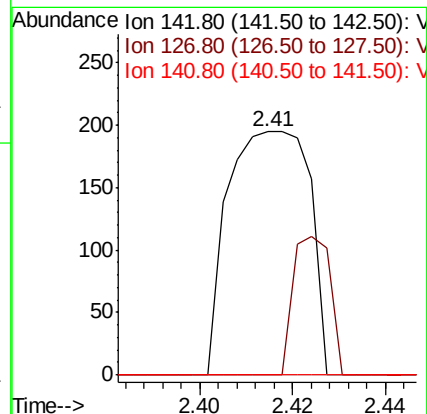
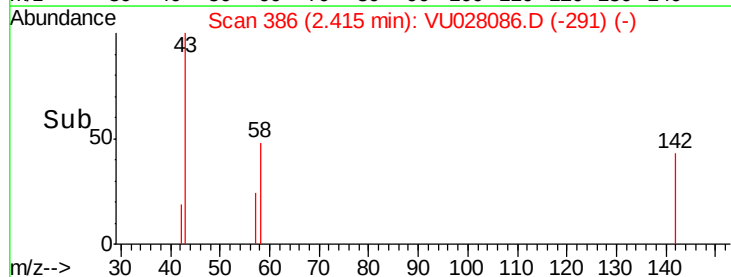
Abundance Ion 141.80 (141.50 to 142.50): VU027906.D (-371) (-)

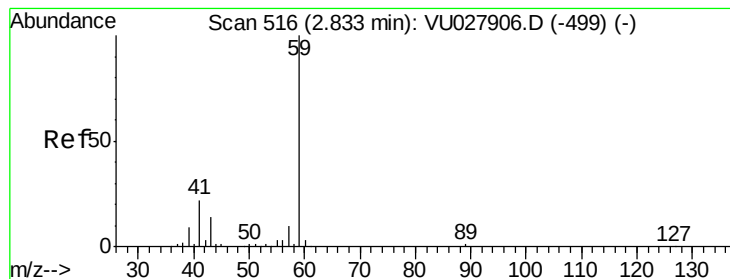
Ion 126.80 (126.50 to 127.50): VU027906.D (-371) (-)

Ion 140.80 (140.50 to 141.50): VU027906.D (-371) (-)

2.41

Time-->





#11

Tert butyl alcohol

Concen: 23.476 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.00 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

Instrument :

MSVOA_U

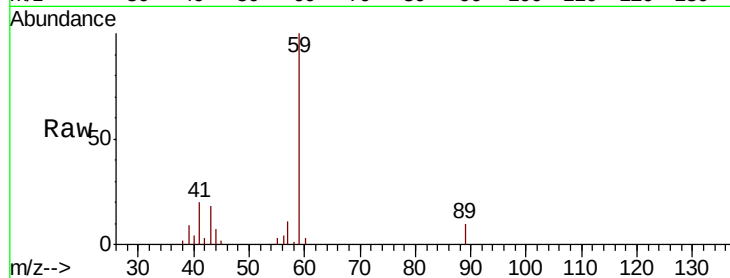
ClientSampled :

Tot Ion: 59 Resp: 20868

Ion Ratio Lower Upper

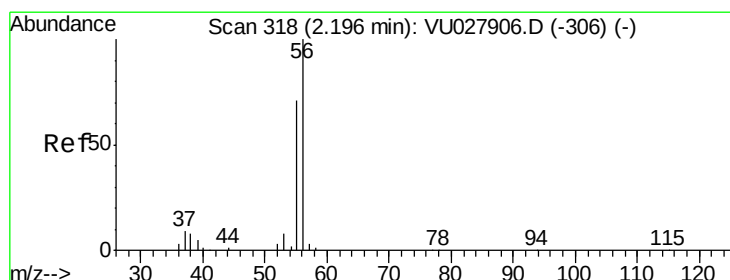
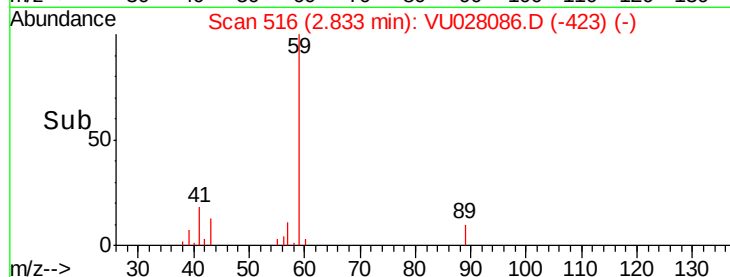
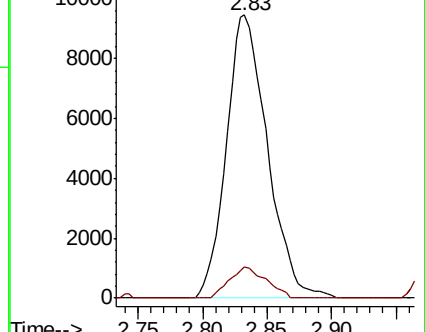
59 100

57 9.8 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VU027906.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027906.D (-499) (-)



#13

Acrolein

Concen: Below Cal

RT: 2.20 min Scan# 320

Delta R.T. 0.01 min

Lab File: VU028086.D

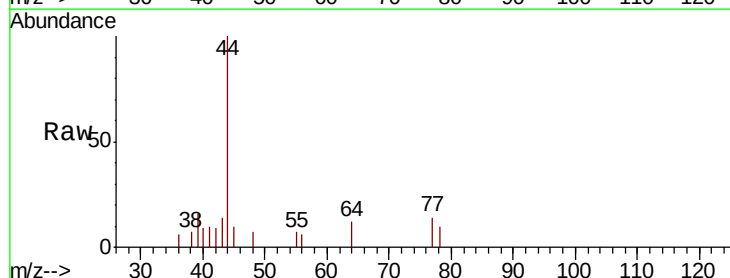
Acq: 13 Nov 2018 12:53

Tgt Ion: 56 Resp: 148

Ion Ratio Lower Upper

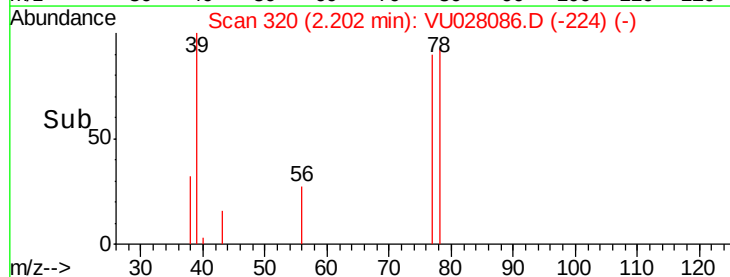
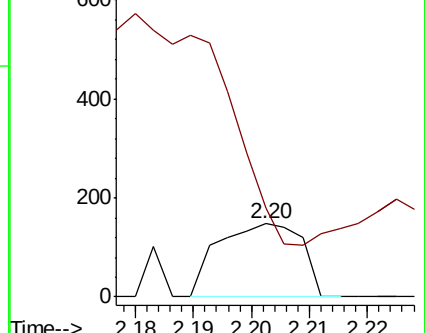
56 100

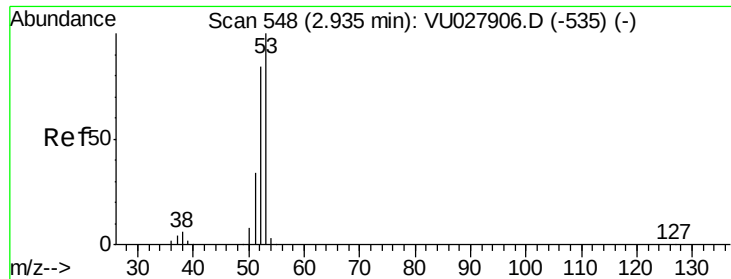
55 0.0 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)





#15

Acrylonitrile

Concen: 0.716 ug/l

RT: 3.00 min Scan# 567

Delta R.T. 0.06 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

Instrument :

MSVOA_U

ClientSampleId :

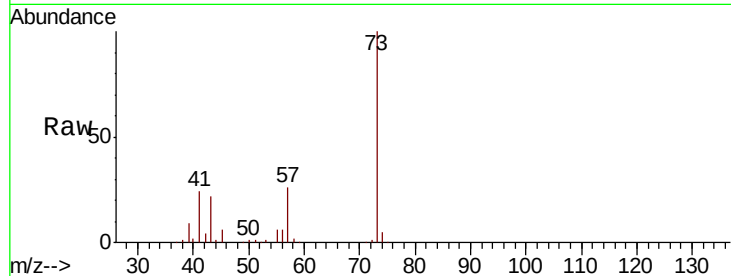
Tot Ion: 53 Resp: 1564

Ion Ratio Lower Upper

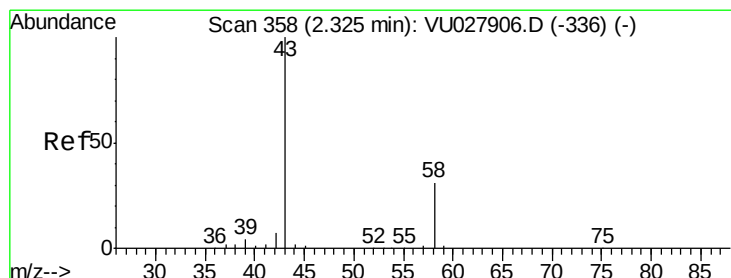
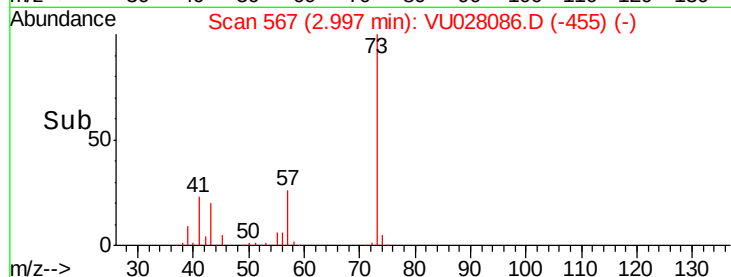
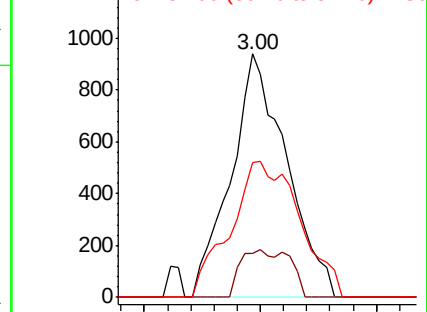
53 100

52 17.1 66.2 99.2#

51 69.6 27.0 40.4#



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 277.475 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028086.D

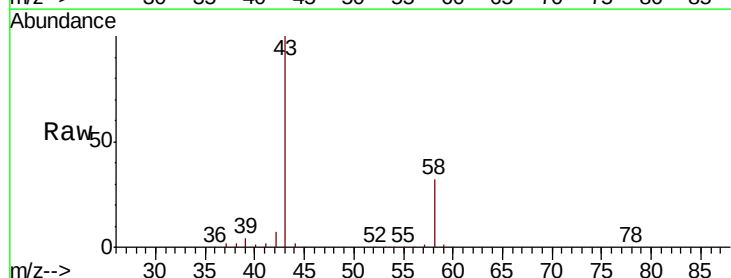
Acq: 13 Nov 2018 12:53

Tgt Ion: 43 Resp: 578053

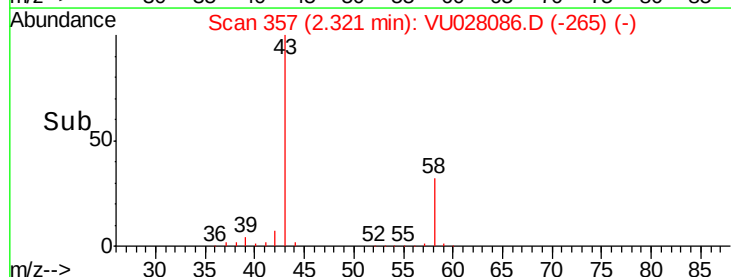
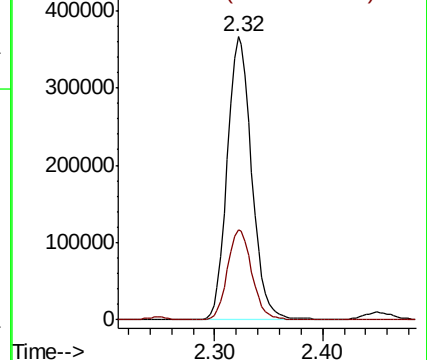
Ion Ratio Lower Upper

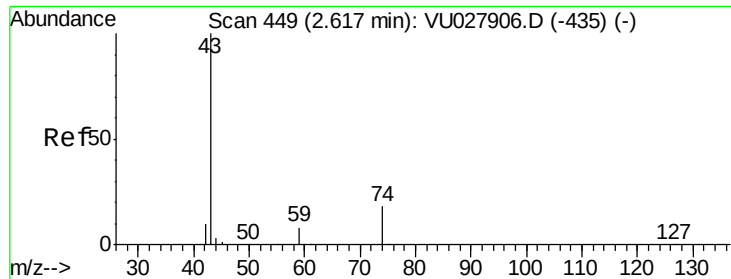
43 100

58 32.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

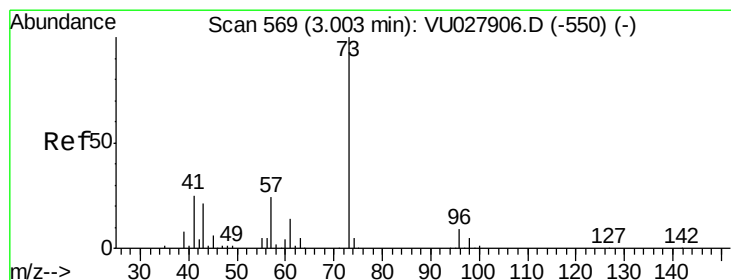
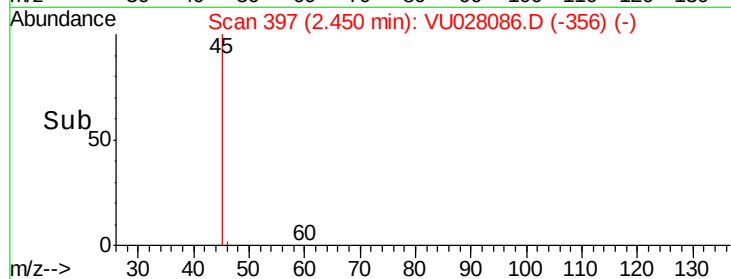
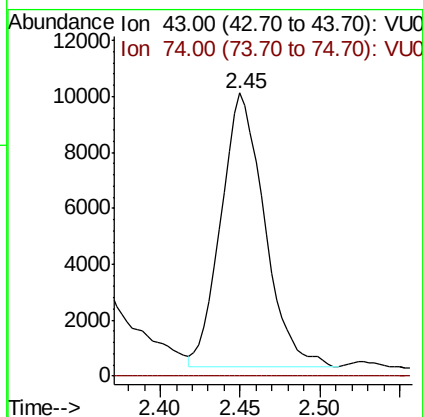
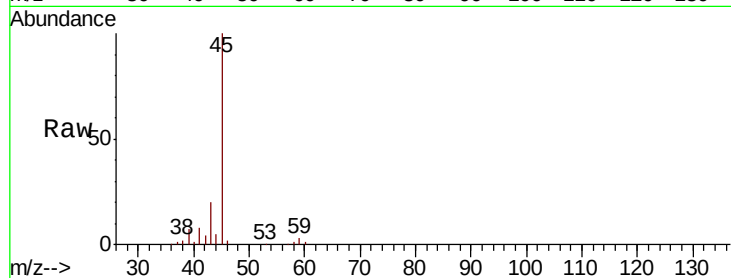




#18
Methyl Acetate
Concen: 3.169 ug/l
RT: 2.45 min Scan# 397
Delta R.T. -0.17 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

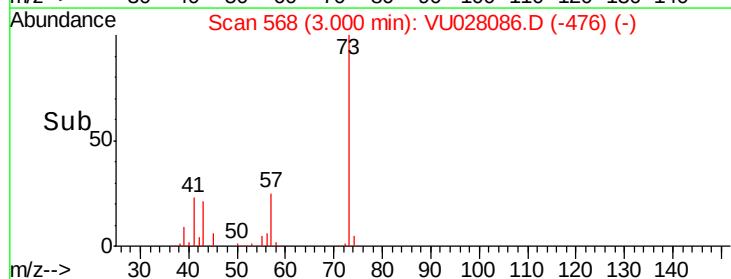
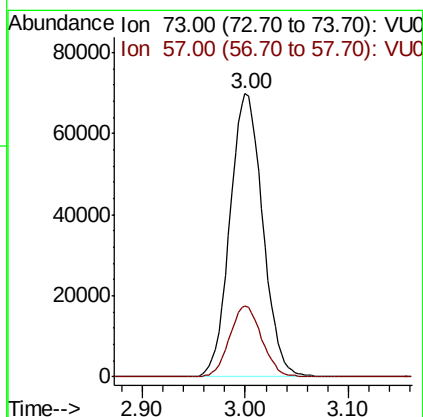
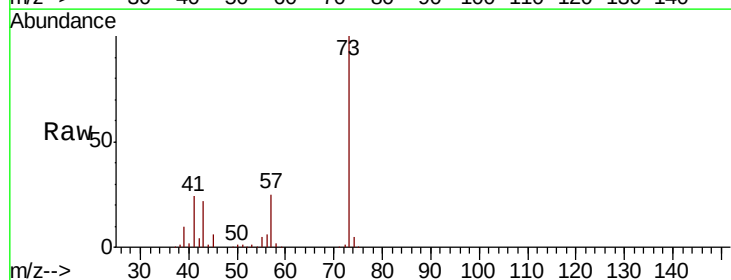
Instrument :
MSVOA_U
ClientSampled :

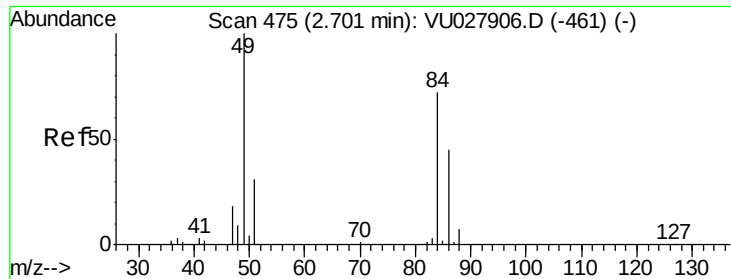
Tot Ion: 43 Resp: 18160
Ion Ratio Lower Upper
43 100
74 0.0 14.9 22.3#



#19
Methyl tert-butyl Ether
Concen: 16.221 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

Tgt Ion: 73 Resp: 154836
Ion Ratio Lower Upper
73 100
57 25.0 19.3 28.9

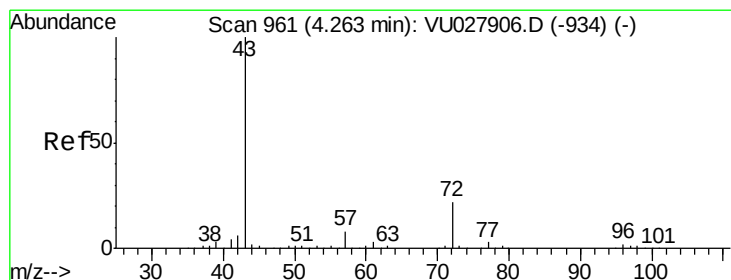
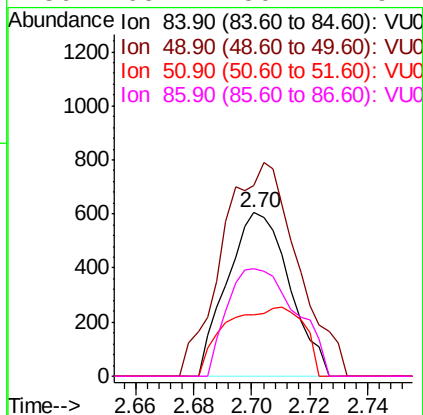
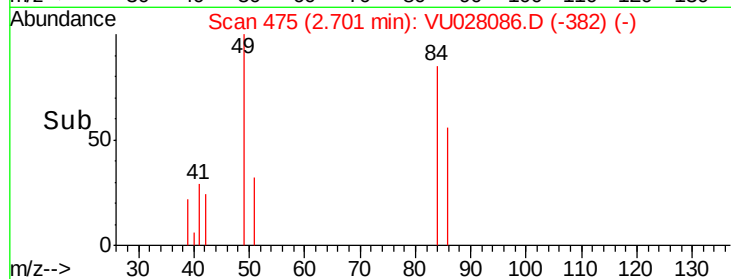
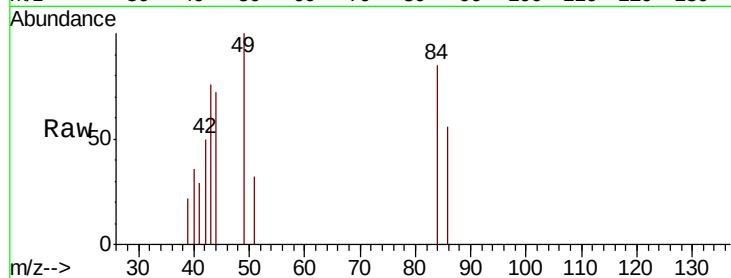




#20
Methylene Chloride
Concen: 0.297 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

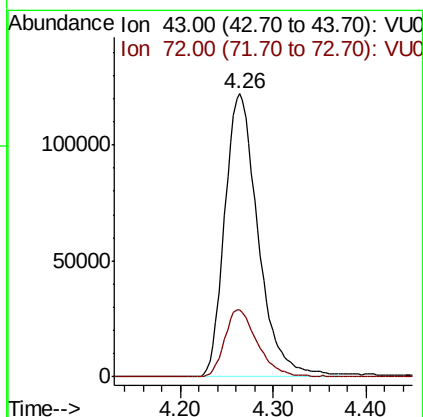
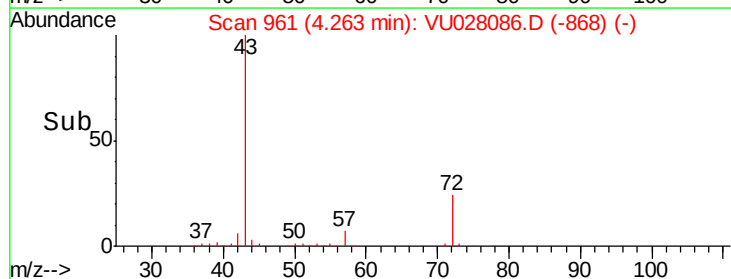
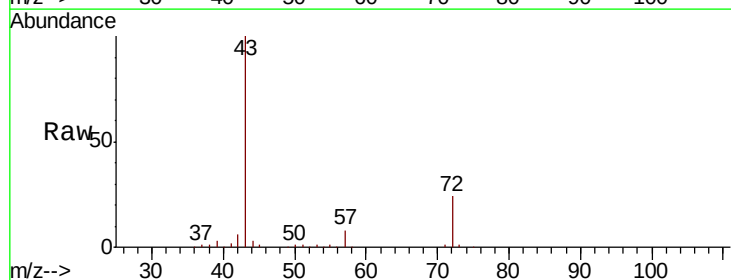
Instrument :
MSVOA_U
ClientSampled :

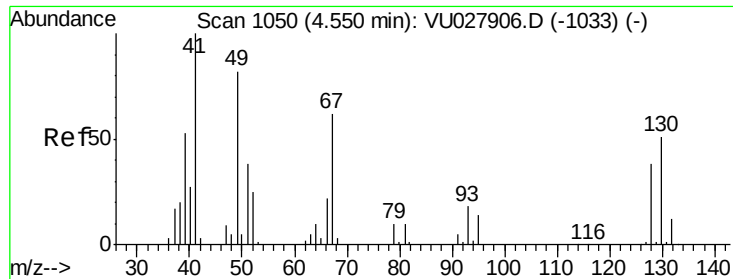
Tot Ion: 84 Resp: 904
Ion Ratio Lower Upper
84 100
49 97.0 111.6 167.4#
51 37.7 34.8 52.2
86 65.7 50.1 75.1



#25
2-Butanone
Concen: 91.679 ug/l
RT: 4.26 min Scan# 961
Delta R.T. 0.00 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

Tgt Ion: 43 Resp: 303850
Ion Ratio Lower Upper
43 100
72 23.9 17.7 26.5

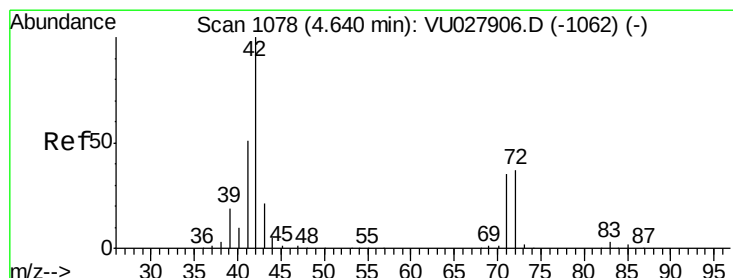
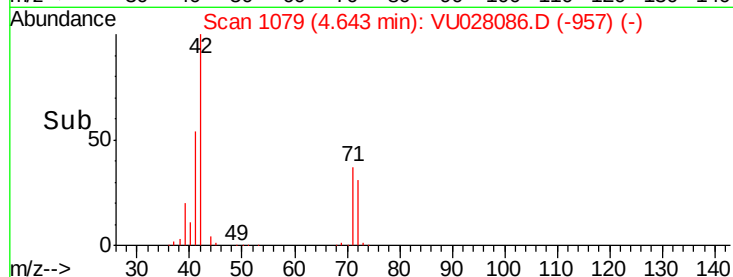
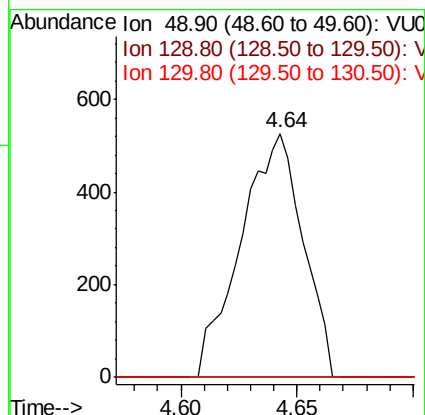
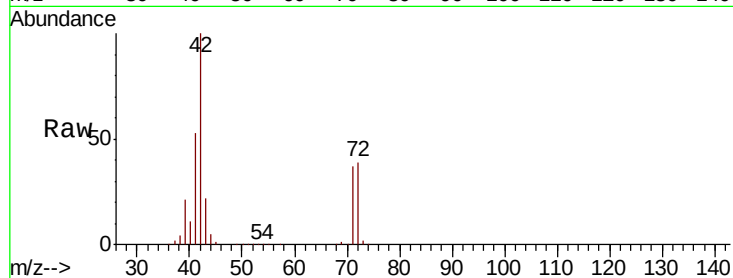




#28
Bromochloromethane
Concen: 0.351 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.09 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

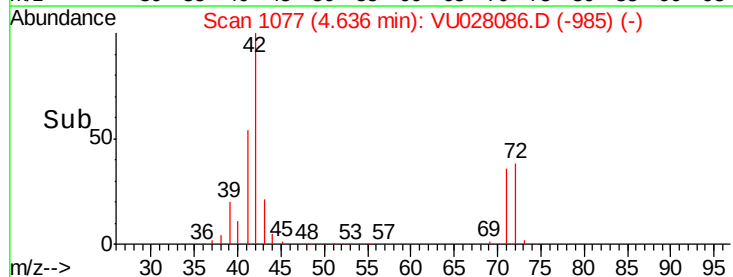
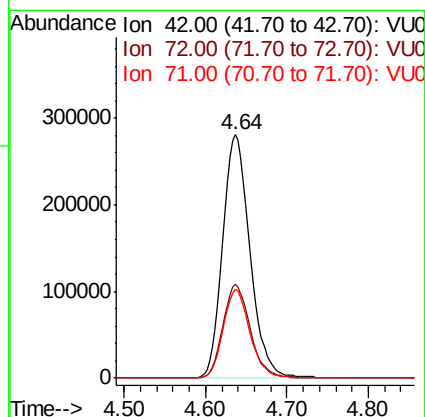
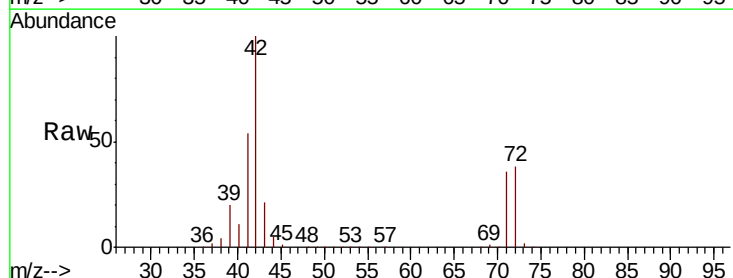
Instrument :
MSVOA_U
ClientSampleId :

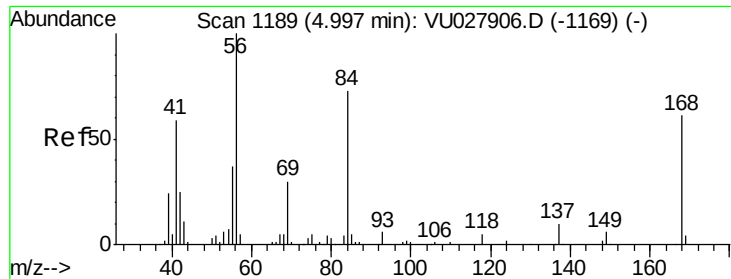
Tot Ion: 49 Resp: 979
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 0.0 47.8 71.6#



#29
Tetrahydrofuran
Concen: 301.227 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

Tgt Ion: 42 Resp: 666639
Ion Ratio Lower Upper
42 100
72 38.1 29.4 44.0
71 35.8 27.9 41.9

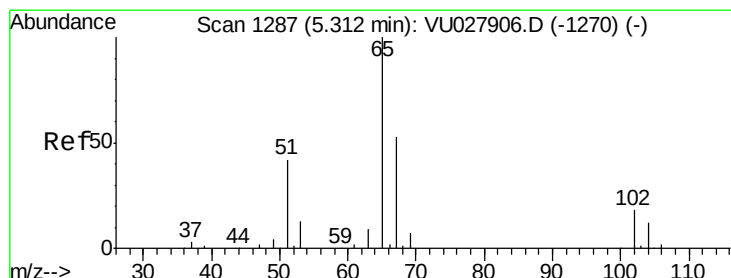
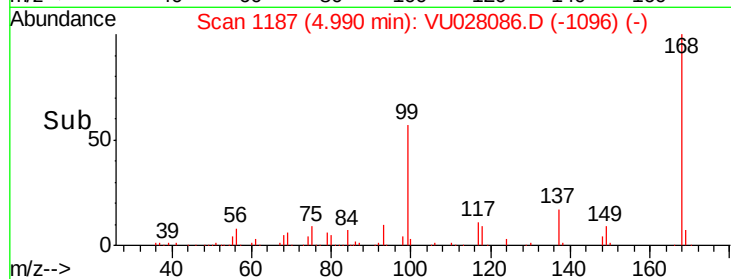
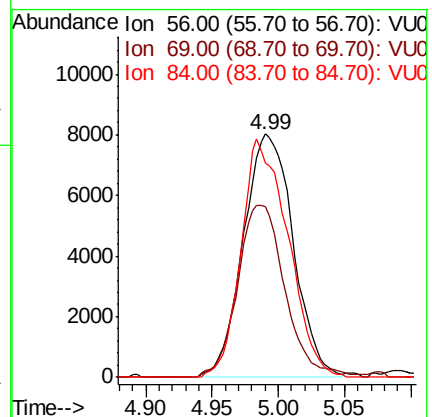
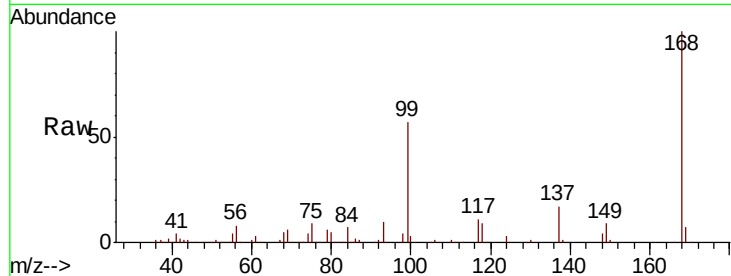




#31
Cyclohexane
Concen: 1.982 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

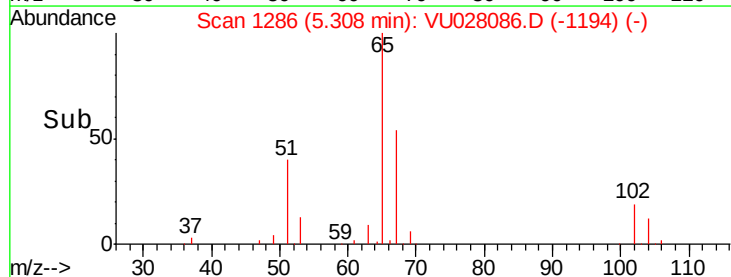
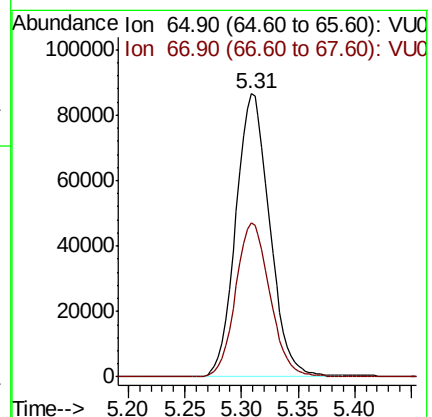
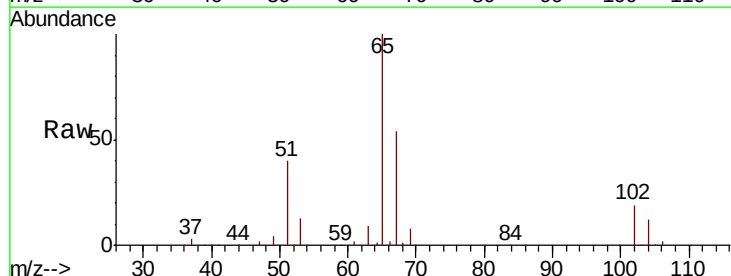
Instrument :
MSVOA_U
ClientSampled :

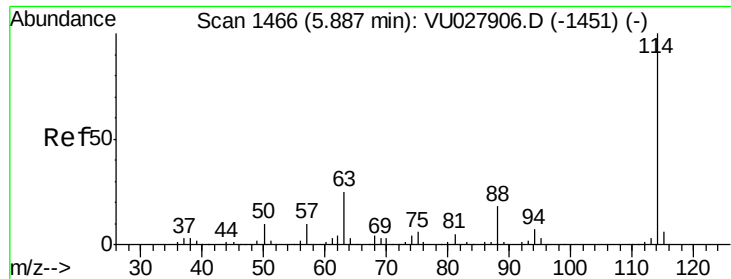
Tot Ion: 56 Resp: 21046
Ion Ratio Lower Upper
56 100
69 69.8 23.7 35.5#
84 88.0 58.2 87.4#



#33
1,2-Dichloroethane-d4
Concen: 53.950 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

Tgt Ion: 65 Resp: 181149
Ion Ratio Lower Upper
65 100
67 54.9 0.0 109.0

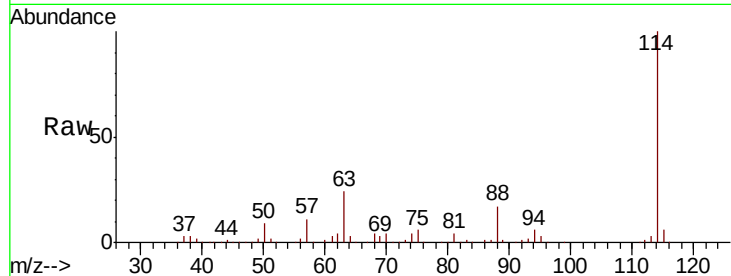




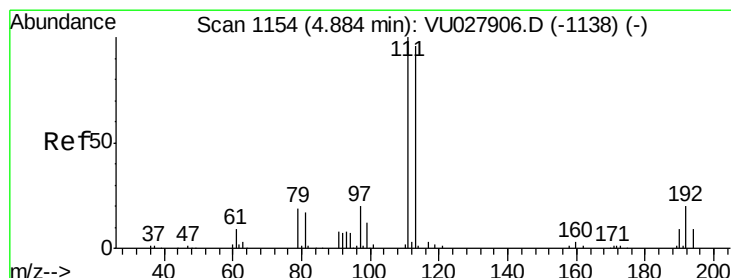
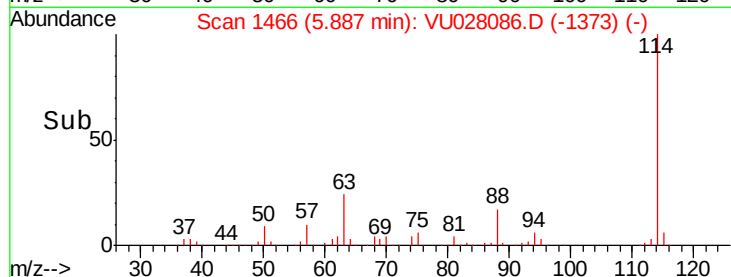
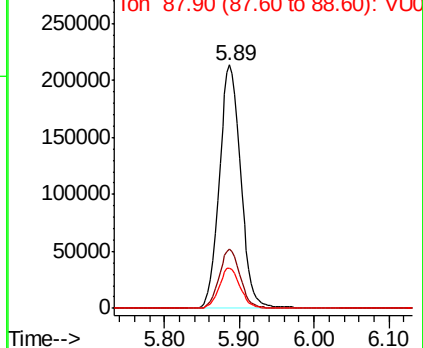
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028086.D
 Acq: 13 Nov 2018 12:53

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:114 Resp: 422929
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 50.8
 88 16.7 0.0 35.8

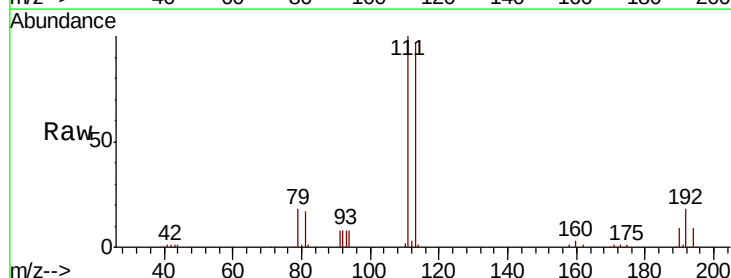


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

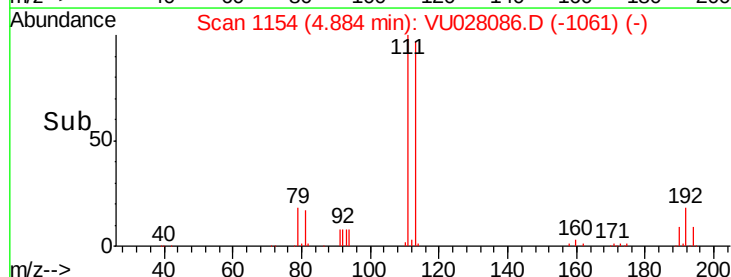
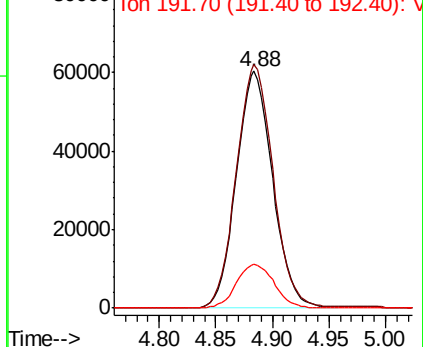


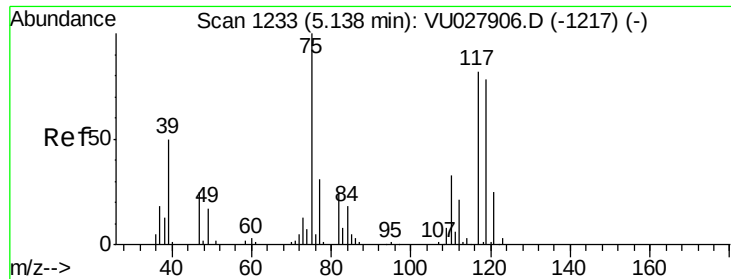
#35
 Dibromofluoromethane
 Concen: 50.704 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028086.D
 Acq: 13 Nov 2018 12:53

Tgt Ion:113 Resp: 135208
 Ion Ratio Lower Upper
 113 100
 111 104.1 83.0 124.6
 192 19.3 15.6 23.4



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

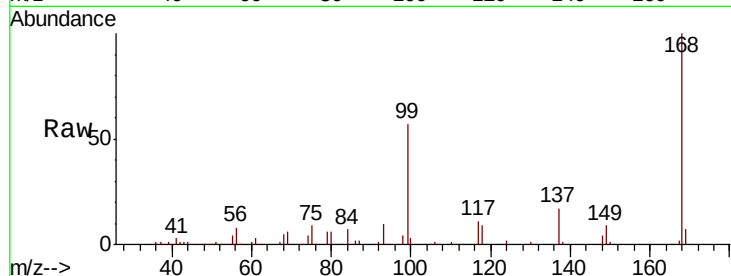




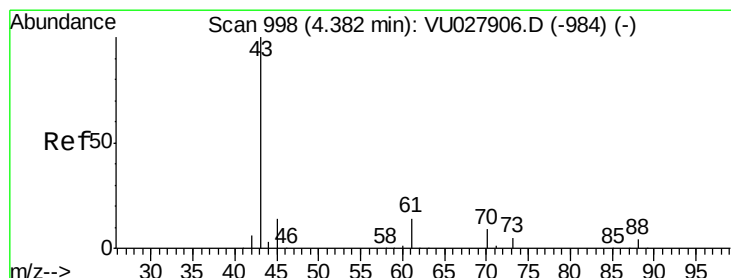
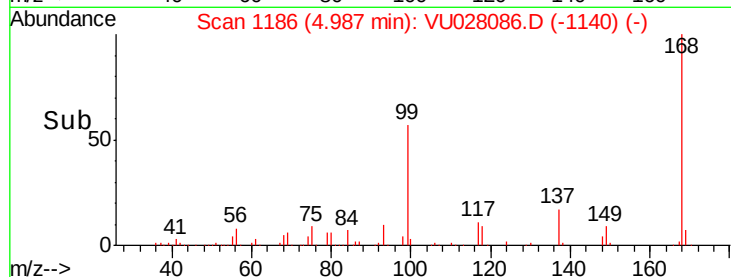
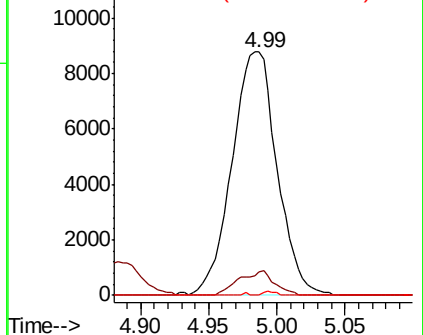
#36
 1,1-Dichloropropene
 Concen: 4.544 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU028086.D
 Acq: 13 Nov 2018 12:53

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 20127
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.5 49.5#
 77 0.0 24.9 37.3#

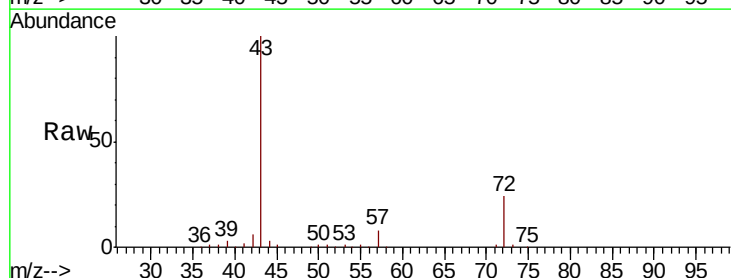


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

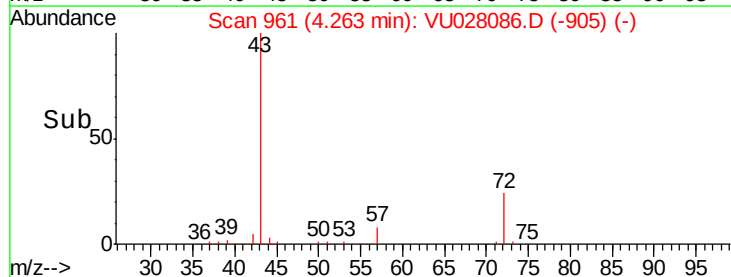
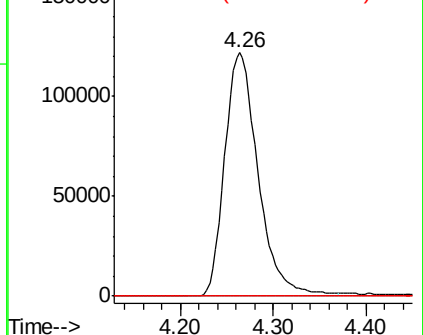


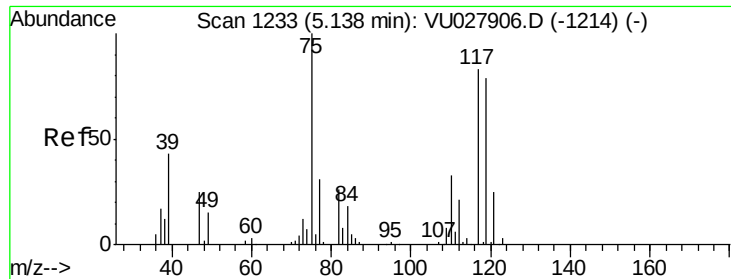
#37
 Ethyl Acetate
 Concen: 46.817 ug/l
 RT: 4.26 min Scan# 961
 Delta R.T. -0.12 min
 Lab File: VU028086.D
 Acq: 13 Nov 2018 12:53

Tgt Ion: 43 Resp: 303850
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.3 15.5#
 70 0.0 7.0 10.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

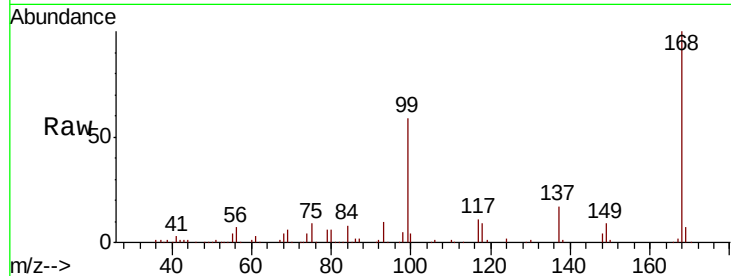




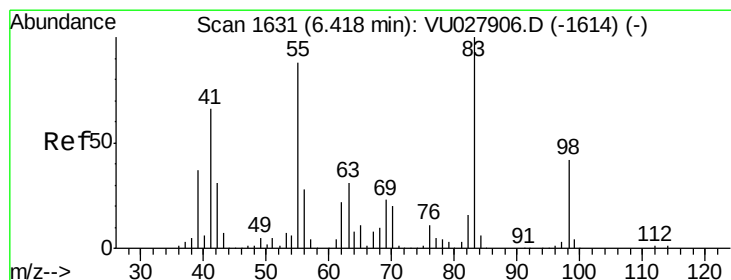
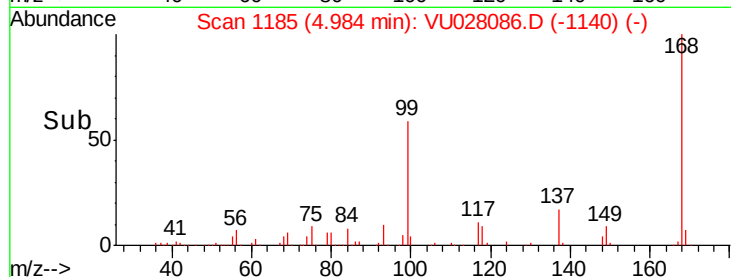
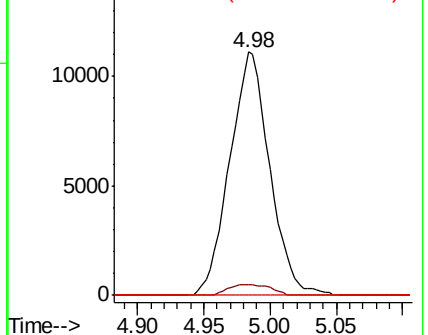
#38
Carbon Tetrachloride
Concen: 5.923 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 23252
Ion Ratio Lower Upper
117 100
119 4.6 76.0 114.0#
121 0.0 24.5 36.7#

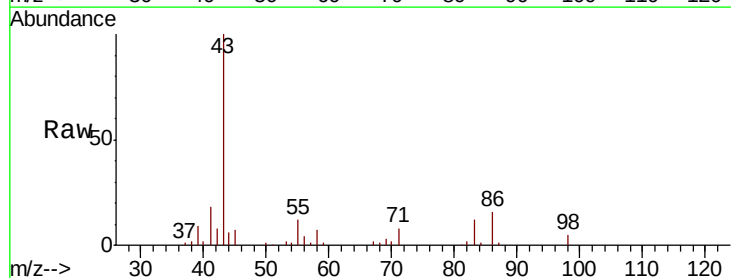


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

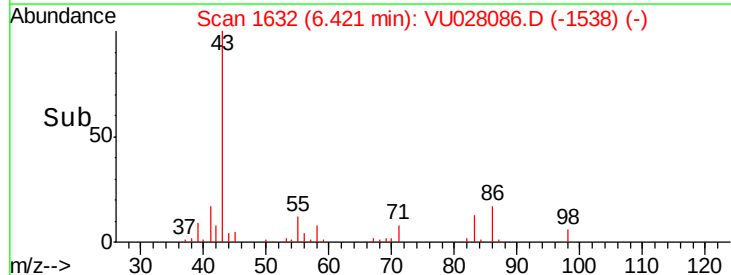
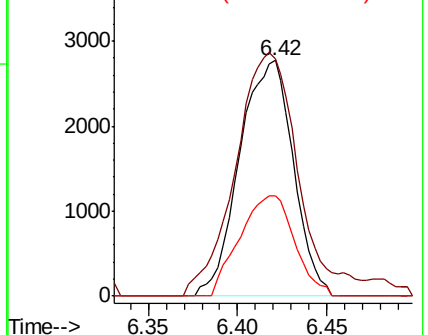


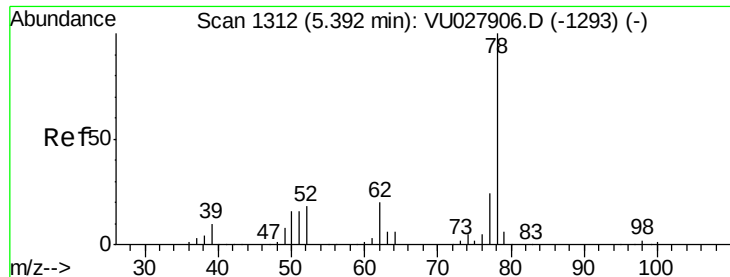
#39
Methylcyclohexane
Concen: 1.088 ug/l
RT: 6.42 min Scan# 1632
Delta R.T. 0.00 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

Tgt Ion: 83 Resp: 5813
Ion Ratio Lower Upper
83 100
55 95.5 70.3 105.5
98 42.8 34.0 51.0



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: 14.186 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

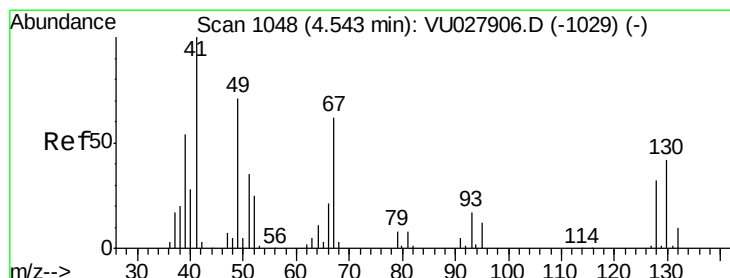
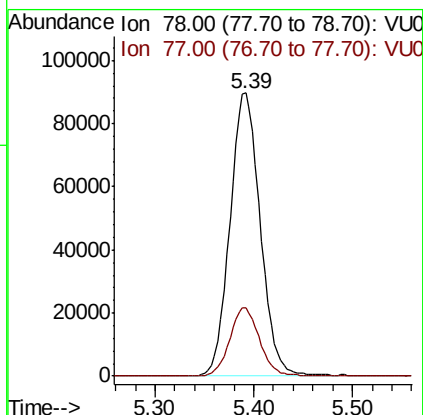
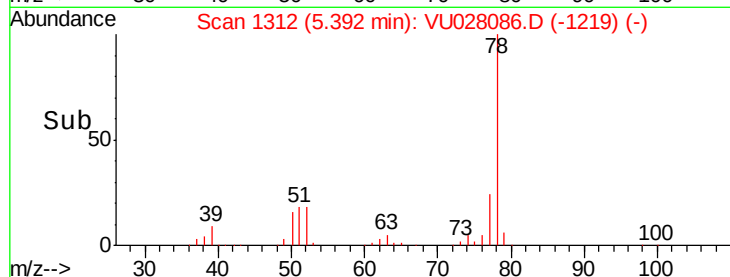
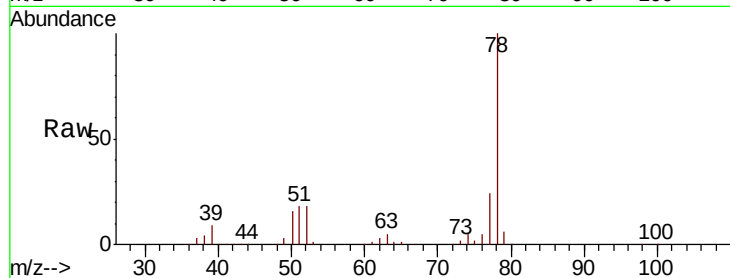
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 78 Resp: 192121

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9



#41

Methacrylonitrile

Concen: 102.423 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.09 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

Tgt Ion: 41 Resp: 354754

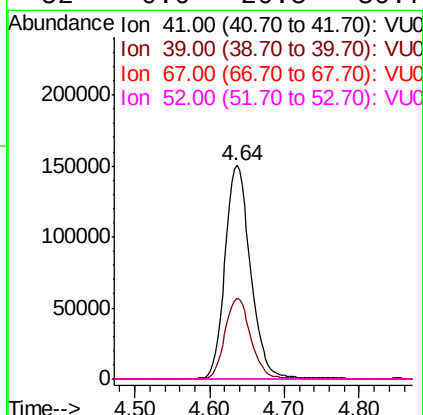
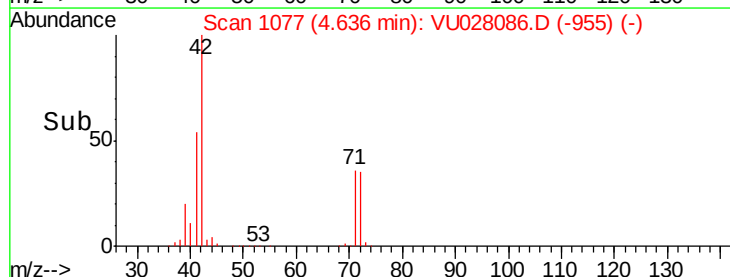
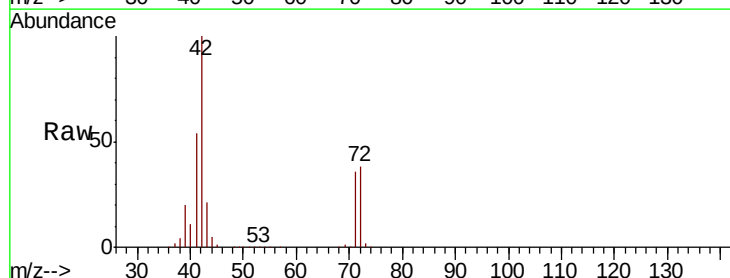
Ion Ratio Lower Upper

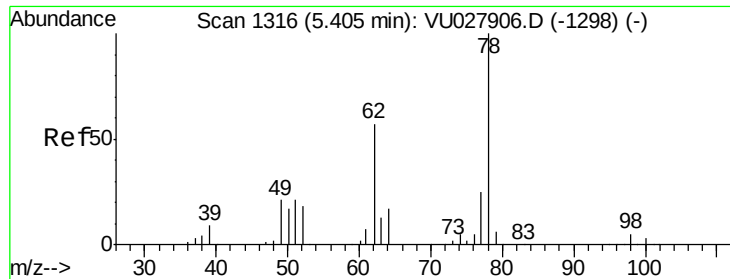
41 100

39 38.0 42.2 63.4#

67 0.0 49.5 74.3#

52 0.0 20.5 30.7#

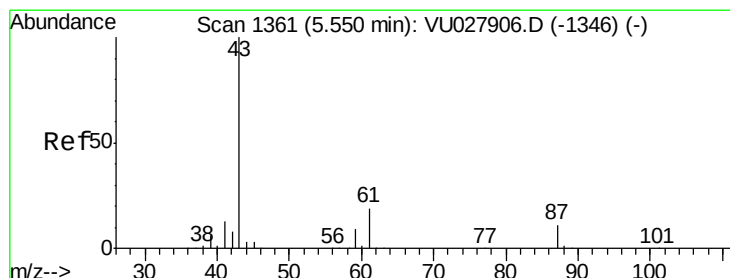
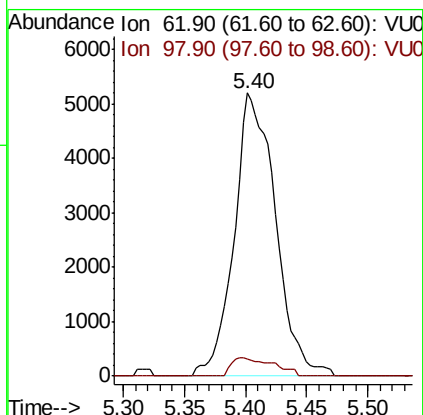
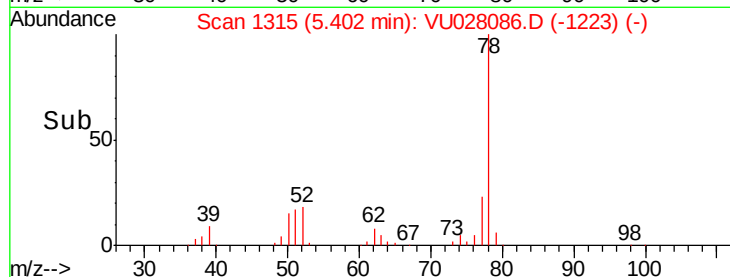
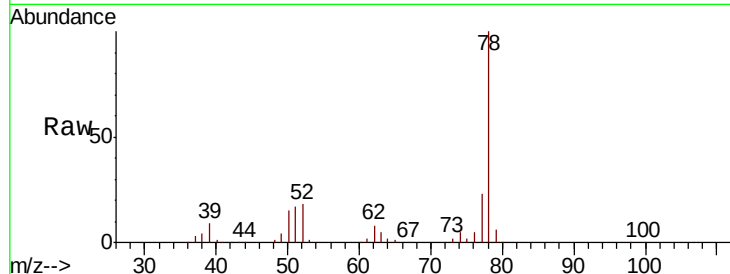




#42
 1,2-Dichloroethane
 Concen: 2.525 ug/l
 RT: 5.40 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VU028086.D
 Acq: 13 Nov 2018 12:53

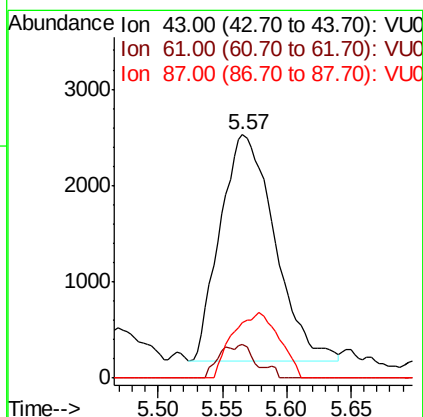
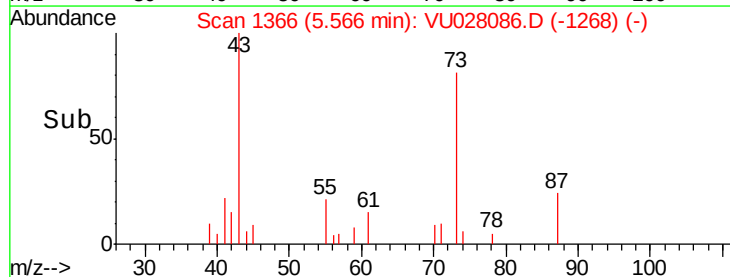
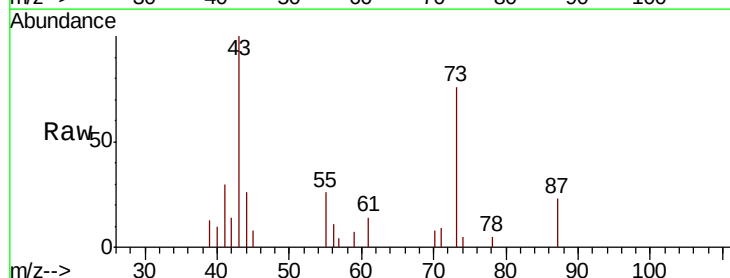
Instrument :
 MSVOA_U
 ClientSampleId :

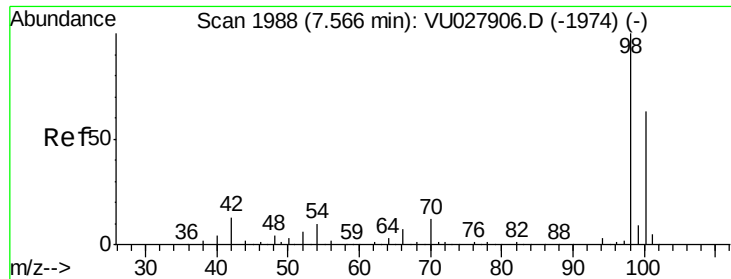
Tot Ion: 62 Resp: 12157
 Ion Ratio Lower Upper
 62 100
 98 6.6 0.0 17.2



#43
 Isopropyl Acetate
 Concen: 0.678 ug/l
 RT: 5.57 min Scan# 1366
 Delta R.T. 0.02 min
 Lab File: VU028086.D
 Acq: 13 Nov 2018 12:53

Tgt Ion: 43 Resp: 6898
 Ion Ratio Lower Upper
 43 100
 61 10.2 15.0 22.4#
 87 24.7 8.6 12.8#

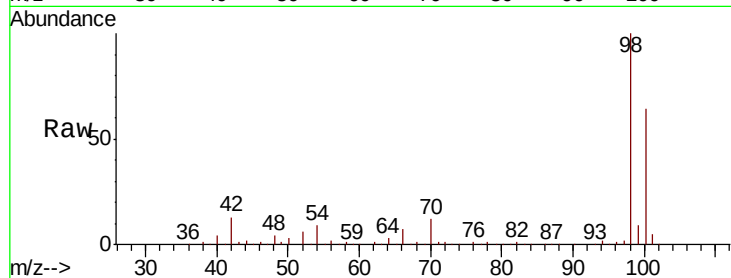




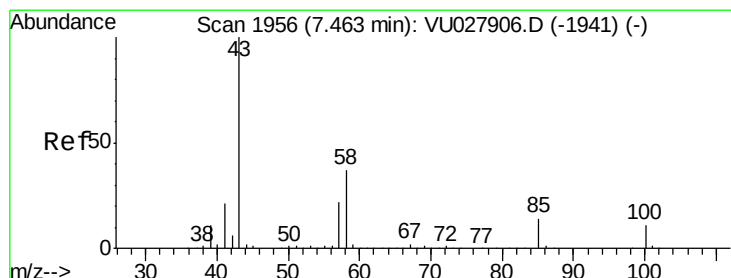
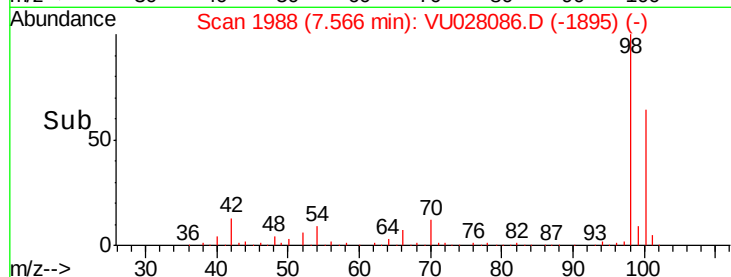
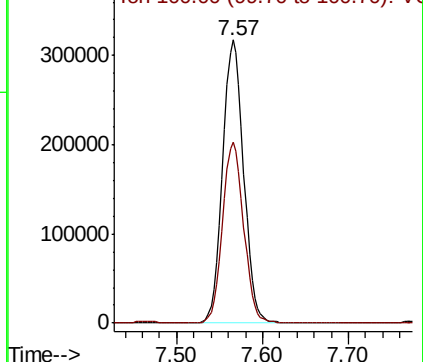
#50
Toluene-d8
Concen: 52.554 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 98 Resp: 541361
Ion Ratio Lower Upper
98 100
100 64.0 50.1 75.1

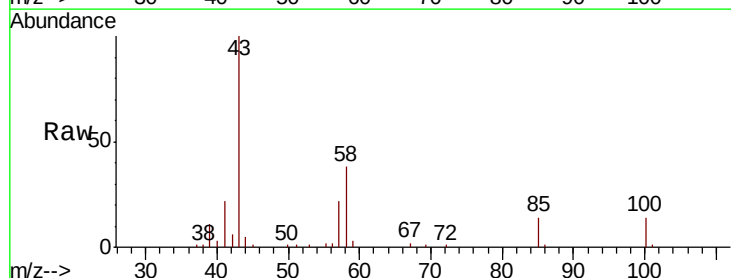


Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)
Ion 100.00 (99.70 to 100.70): VU027906.D (-1974) (-)

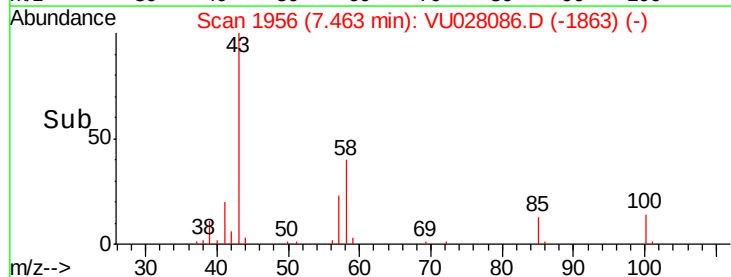
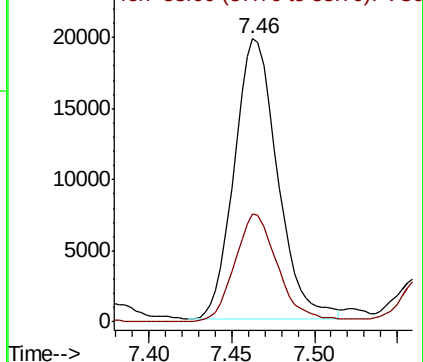


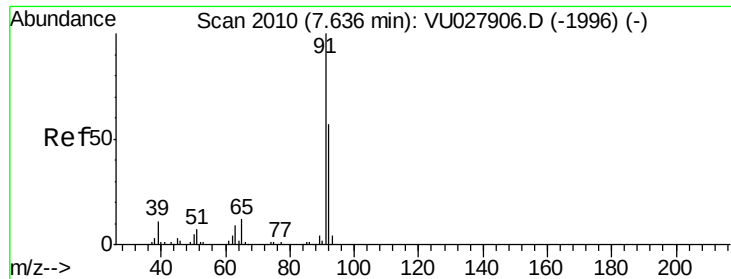
#51
4-Methyl-2-Pentanone
Concen: 5.301 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

Tgt Ion: 43 Resp: 36000
Ion Ratio Lower Upper
43 100
58 38.7 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)
Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)





#52

Toluene

Concen: 41.197 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

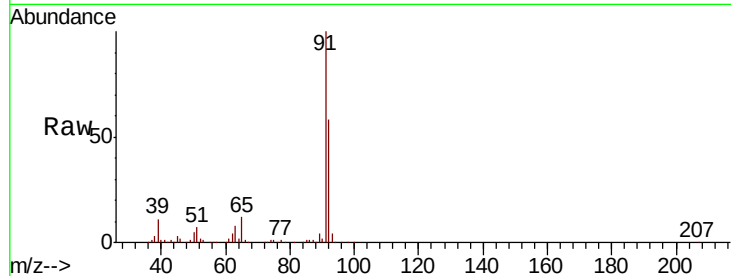
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 92 Resp: 327996

Ion Ratio Lower Upper

92 100

91 173.1 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU028086.D (-1917) (-)

Ion 91.00 (90.70 to 91.70): VU028086.D (-1917) (-)

300000

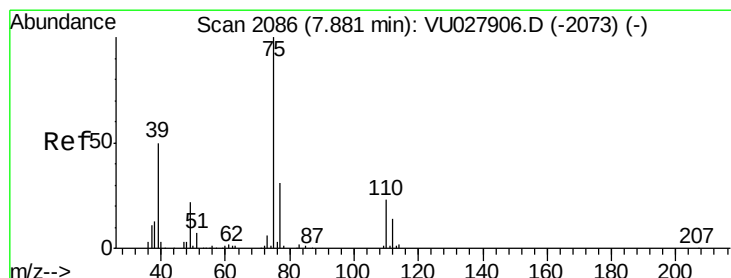
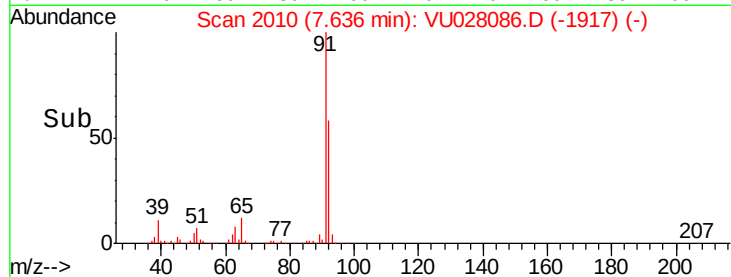
200000

100000

0

7.60 7.64 7.70

Time-->



#53

t-1,3-Dichloropropene

Concen: 1.885 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.24 min

Lab File: VU028086.D

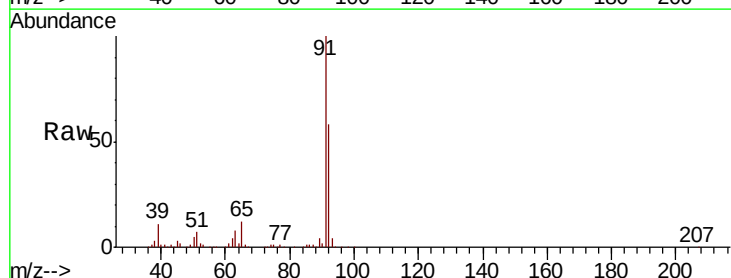
Acq: 13 Nov 2018 12:53

Tgt Ion: 75 Resp: 4211

Ion Ratio Lower Upper

75 100

77 158.9 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VU028086.D (-1992) (-)

Ion 76.90 (76.60 to 77.60): VU028086.D (-1992) (-)

4000

3000

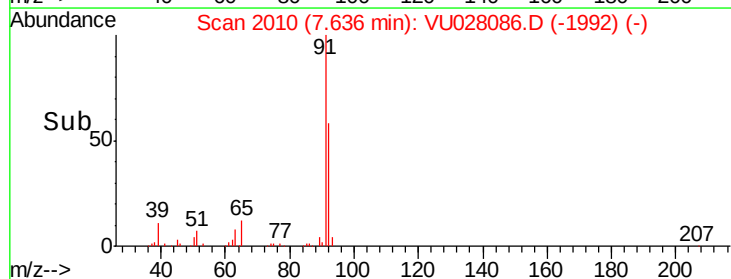
2000

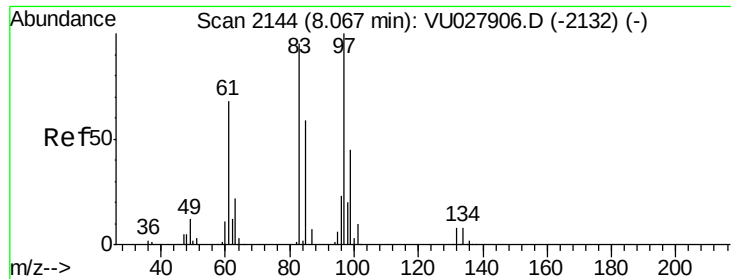
1000

0

7.60 7.64 7.65

Time-->

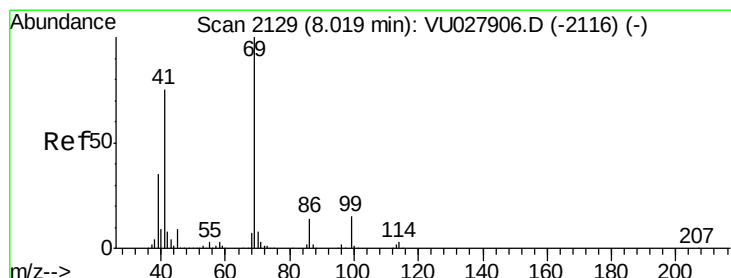
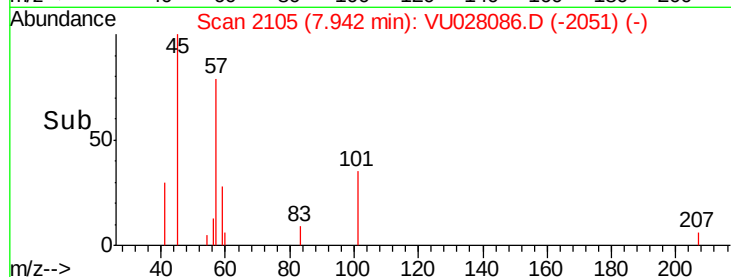
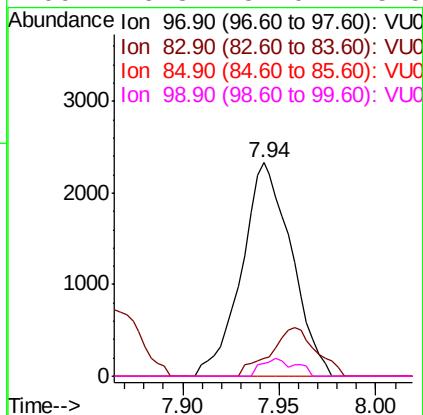
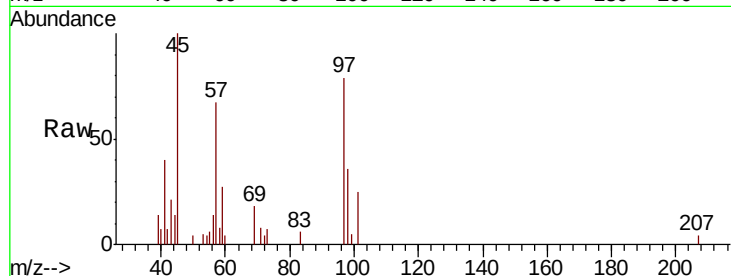




#55
 1,1,2-Trichloroethane
 Concen: 1.290 ug/l
 RT: 7.94 min Scan# 2105
 Delta R.T. -0.13 min
 Lab File: VU028086.D
 Acq: 13 Nov 2018 12:53

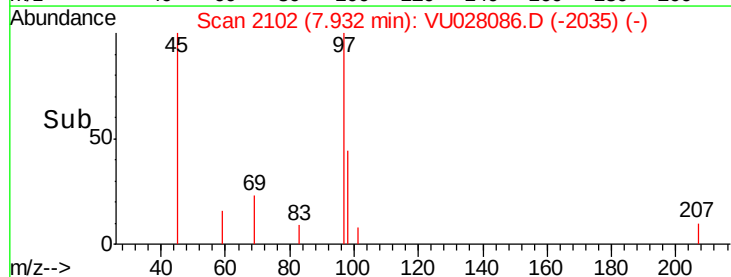
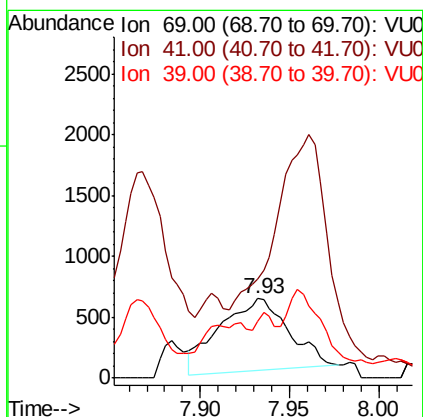
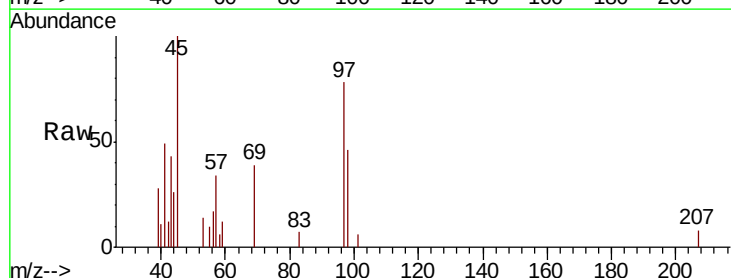
Instrument :
 MSVOA_U
 ClientSampleId :

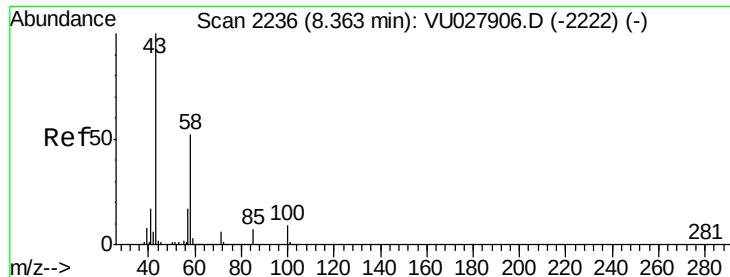
Tot Ion: 97 Resp: 4179
 Ion Ratio Lower Upper
 97 100
 83 8.1 76.1 114.1#
 85 0.0 48.9 73.3#
 99 5.8 52.0 78.0#



#56
 Ethyl methacrylate
 Concen: 0.279 ug/l
 RT: 7.93 min Scan# 2102
 Delta R.T. -0.09 min
 Lab File: VU028086.D
 Acq: 13 Nov 2018 12:53

Tgt Ion: 69 Resp: 1596
 Ion Ratio Lower Upper
 69 100
 41 0.0 59.8 89.6#
 39 23.1 28.6 42.8#





#59

2-Hexanone

Concen: 7.910 ug/l

RT: 8.37 min Scan# 2237

Delta R.T. 0.00 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

Instrument :

MSVOA_U

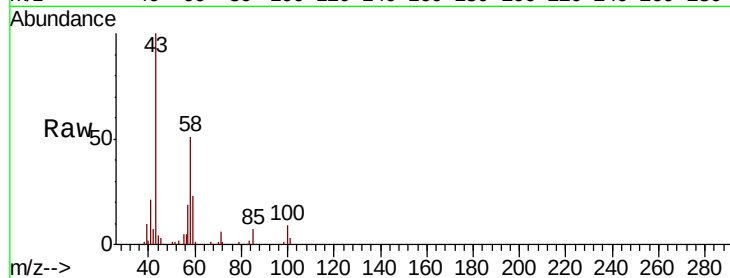
ClientSampled :

Tot Ion: 43 Resp: 41543

Ion Ratio Lower Upper

43 100

58 52.3 25.8 77.3

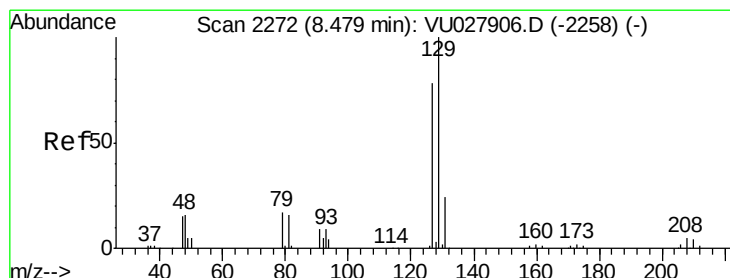
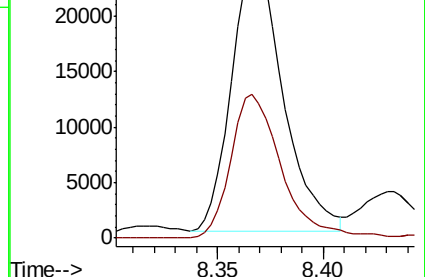
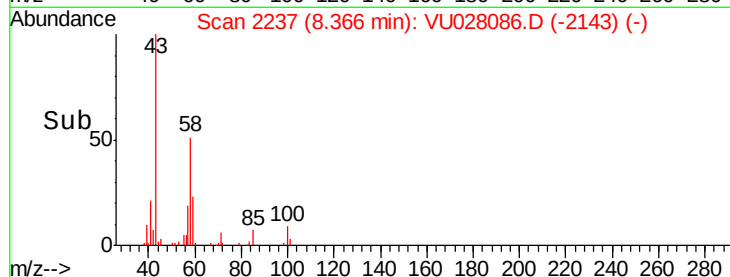


Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-2222) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-2222) (-)

8.37

8.35 8.40



#60

Dibromochloromethane

Concen: 0.376 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VU028086.D

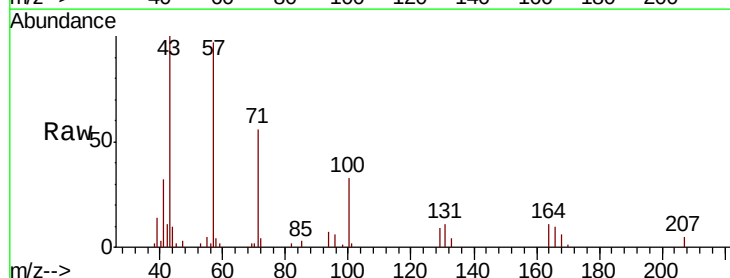
Acq: 13 Nov 2018 12:53

Tgt Ion: 129 Resp: 1151

Ion Ratio Lower Upper

129 100

127 0.0 39.2 117.6#

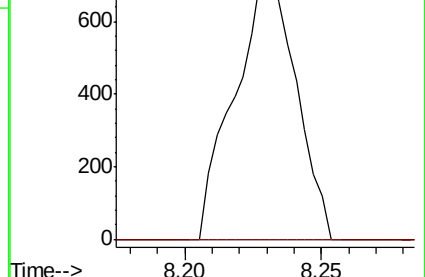
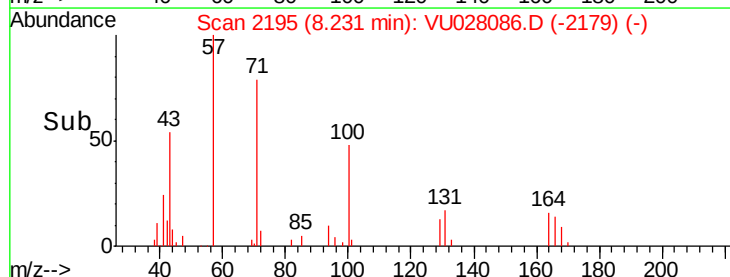


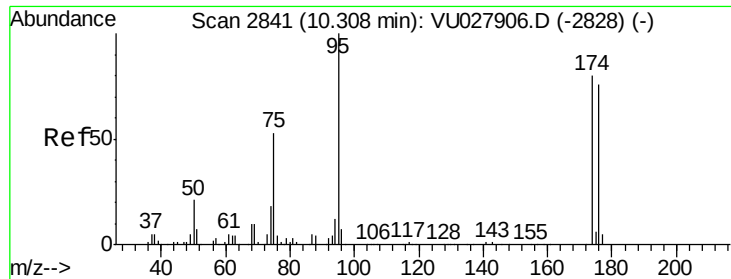
Abundance Ion 128.80 (128.50 to 129.50): VU027906.D (-2258) (-)

Ion 126.80 (126.50 to 127.50): VU027906.D (-2258) (-)

8.23

8.20 8.25

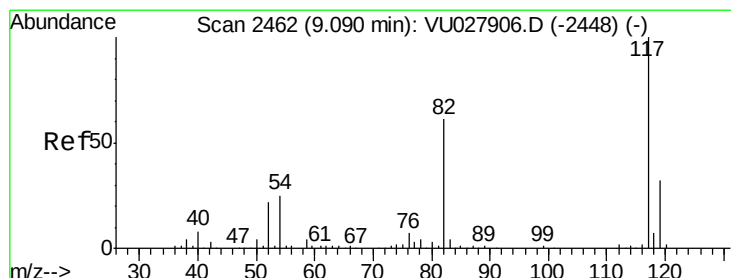
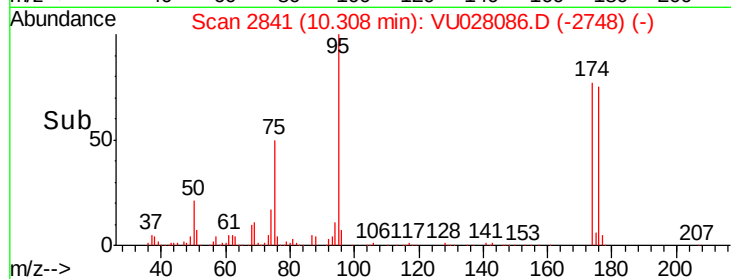
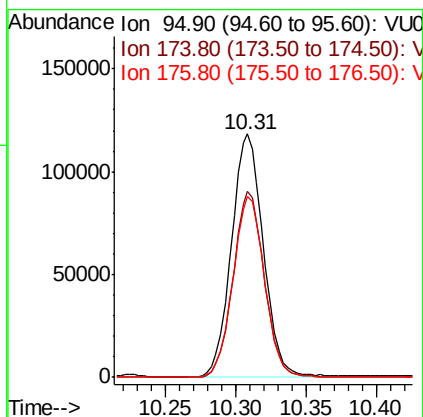
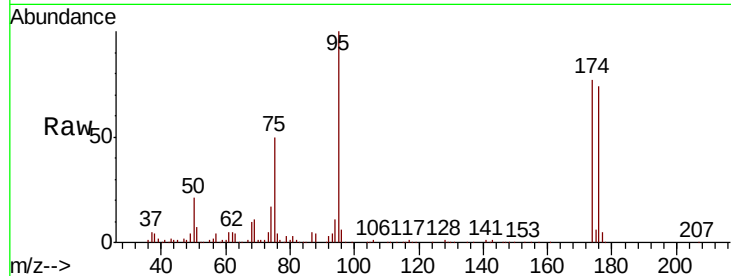




#62
4-Bromofluorobenzene
Concen: 49.115 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

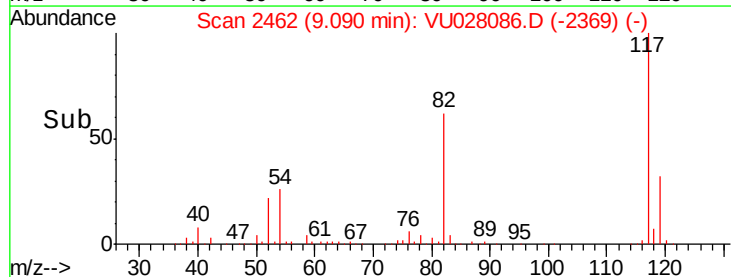
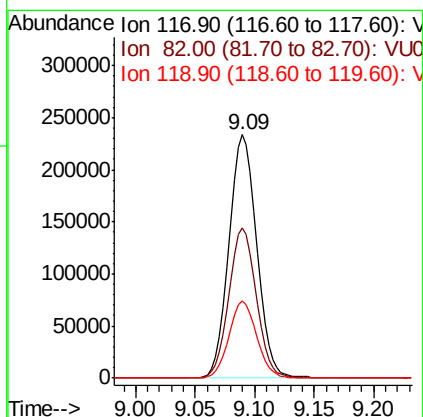
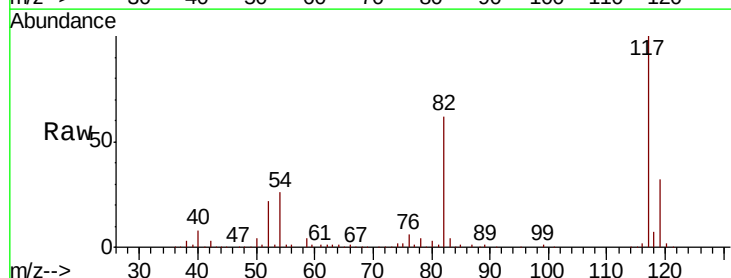
Instrument :
MSVOA_U
ClientSampled :

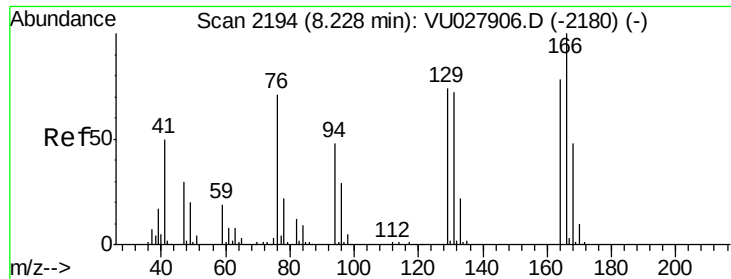
Tot Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	156.4
176	73.9	0.0	150.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.9	48.6	73.0
119	31.6	25.8	38.8





#64

Tetrachloroethene

Concen: 0.560 ug/l

RT: 8.23 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VU028086.D

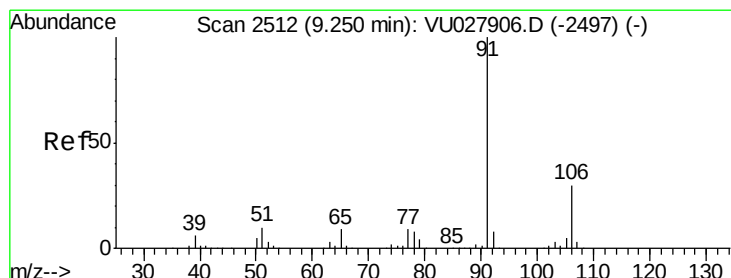
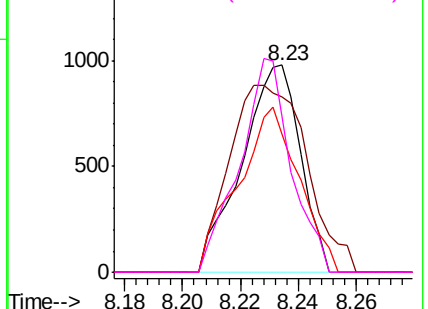
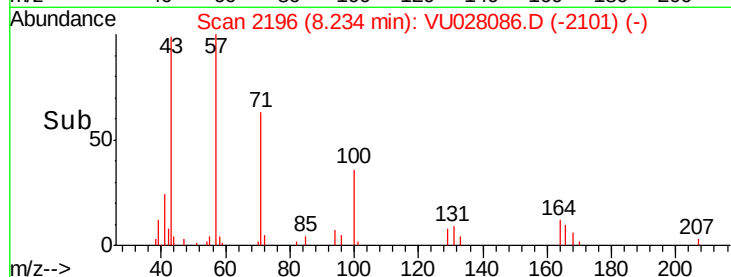
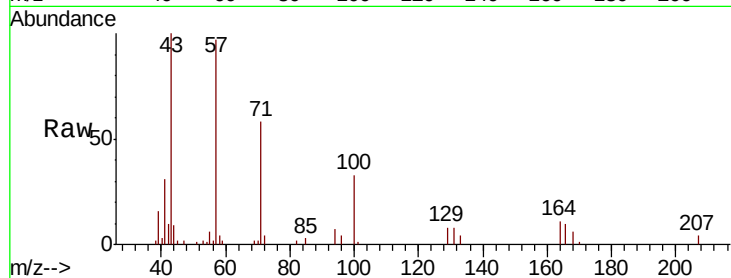
Acq: 13 Nov 2018 12:53

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:164	Resp:	1375
Ion Ratio	Lower	Upper
164	100	
166	84.5	102.1 153.1#
129	66.9	75.9 113.9#
131	75.2	73.0 109.6



#67

Ethyl Benzene

Concen: 4.780 ug/l

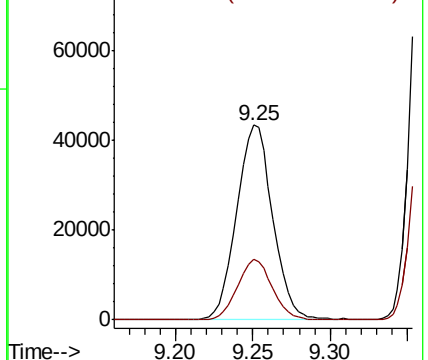
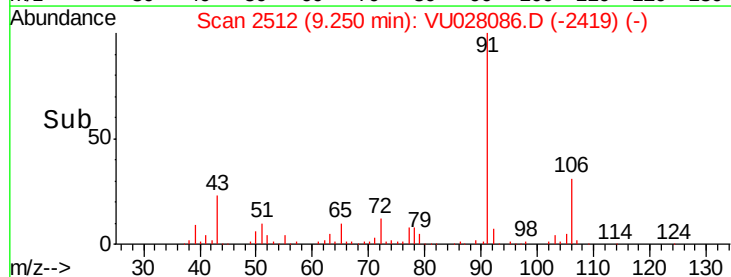
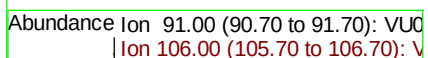
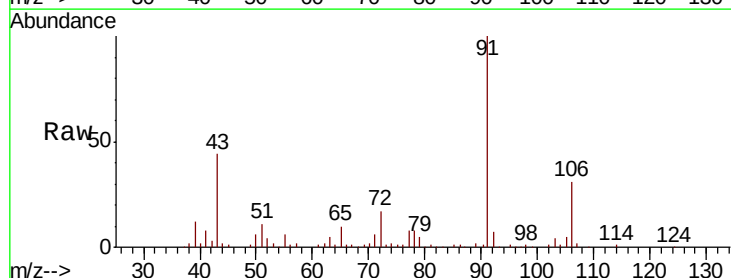
RT: 9.25 min Scan# 2512

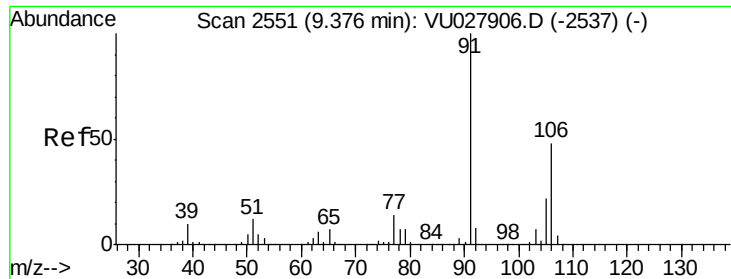
Delta R.T. 0.00 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

Tgt Ion: 91	Resp:	70409
Ion Ratio	Lower	Upper
91	100	
106	31.2	23.6 35.4





#68

m/p-Xylenes

Concen: 60.229 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

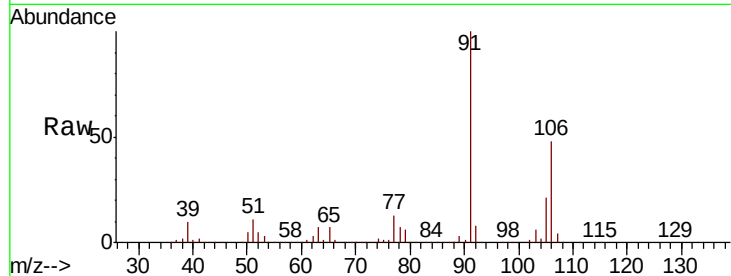
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 321896

Ion Ratio Lower Upper

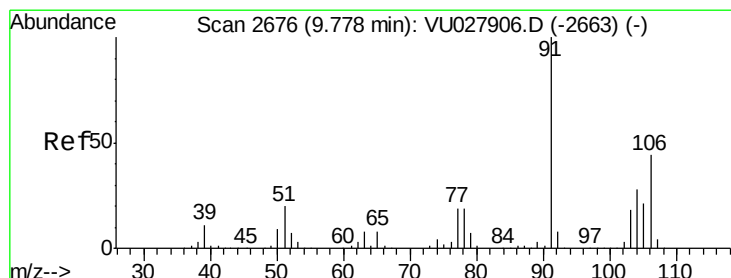
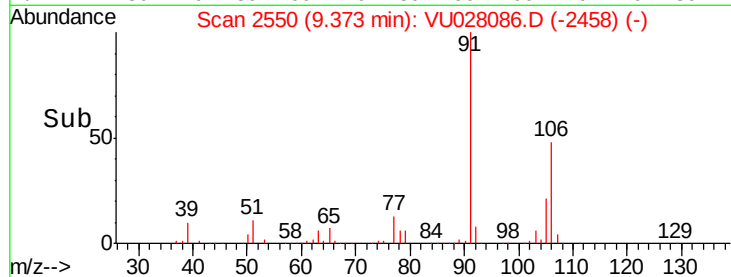
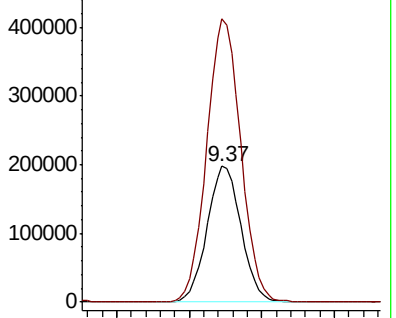
106 100

91 208.9 168.2 252.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 36.135 ug/l

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU028086.D

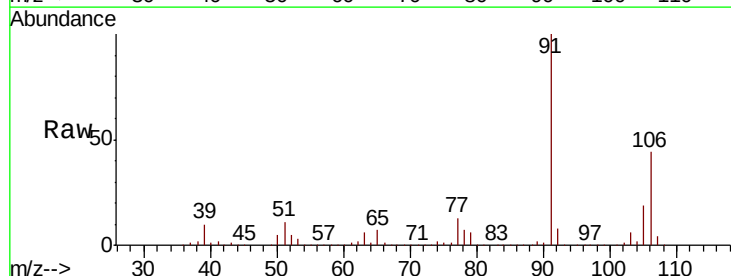
Acq: 13 Nov 2018 12:53

Tgt Ion:106 Resp: 195018

Ion Ratio Lower Upper

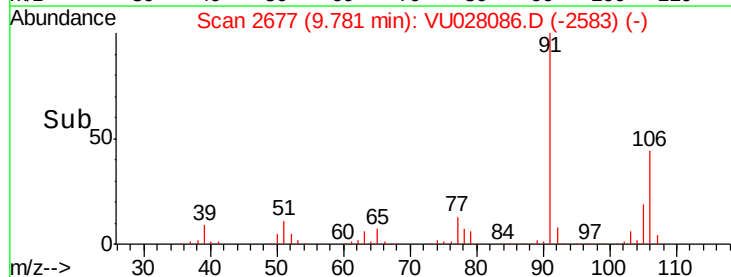
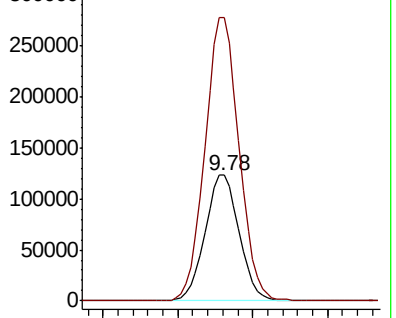
106 100

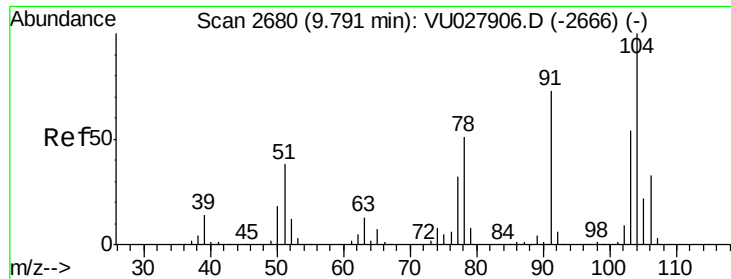
91 225.4 111.1 333.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#70

Stvrene

Concen: 1.052 ug/l

RT: 9.78 min Scan# 2677

Delta R.T. -0.01 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

Instrument :

MSVOA_U

ClientSampled :

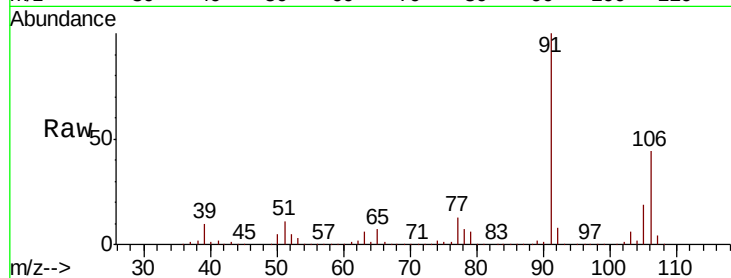
Tot Ion:104 Resp: 9074

Ion Ratio Lower Upper

104 100

78 329.7 43.0 64.4#

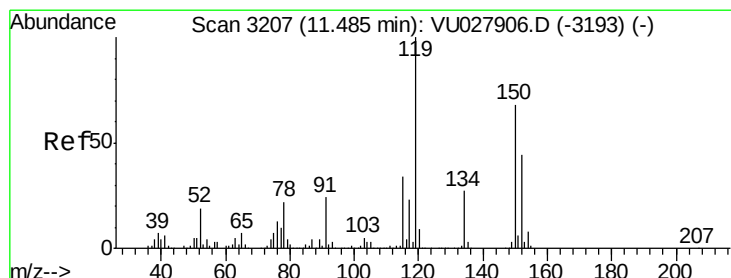
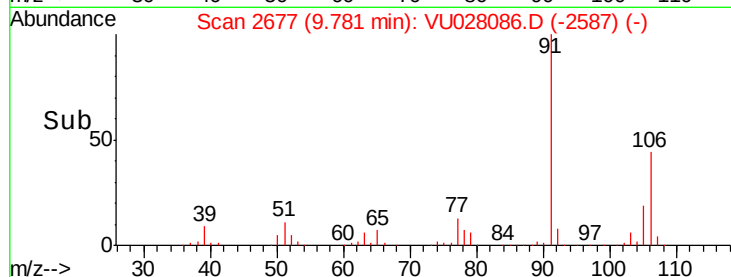
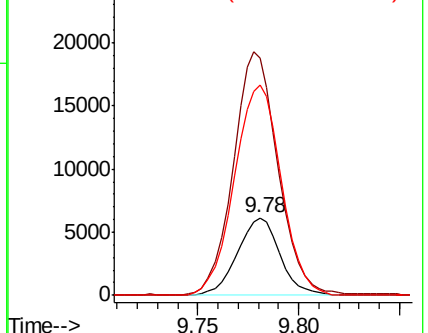
103 297.6 45.1 67.7#



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: VU028086.D

Acq: 13 Nov 2018 12:53

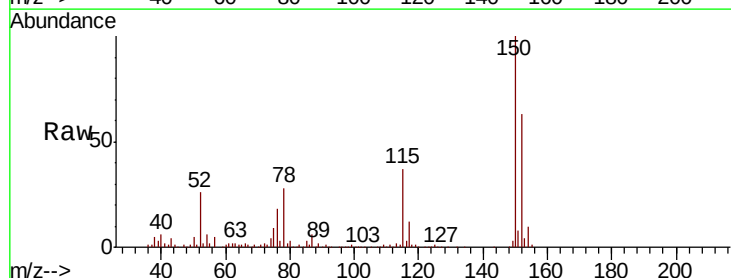
Tgt Ion:152 Resp: 158340

Ion Ratio Lower Upper

152 100

115 58.5 43.0 129.0

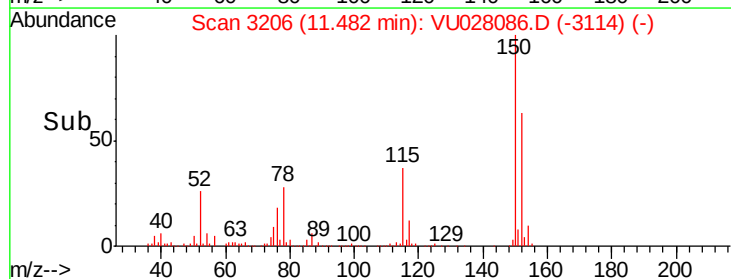
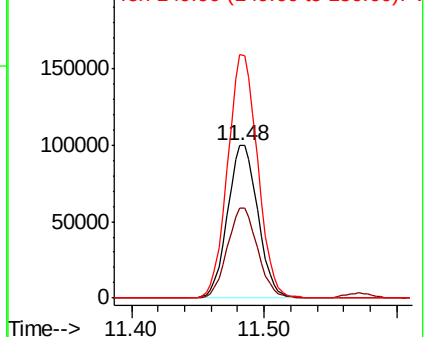
150 158.3 0.0 349.4

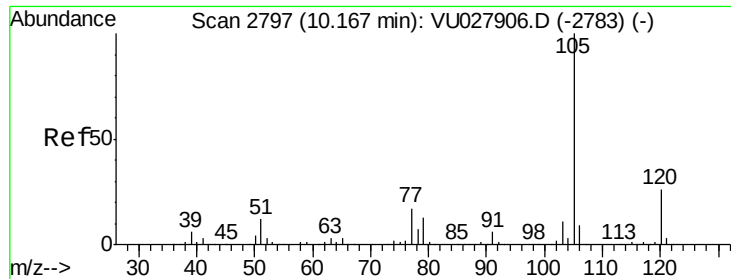


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.401 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

Instrument :

MSVOA_U

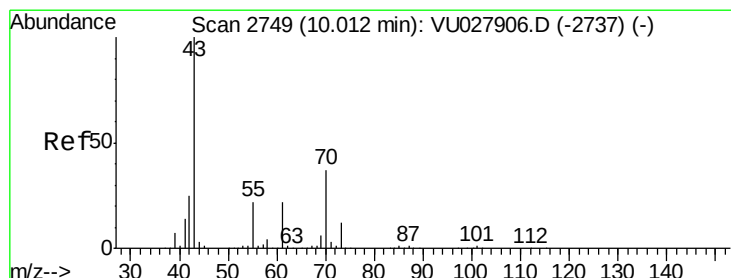
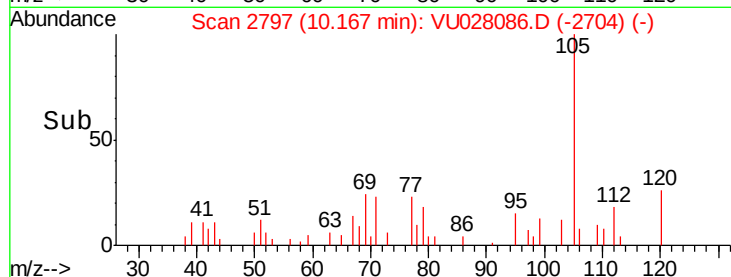
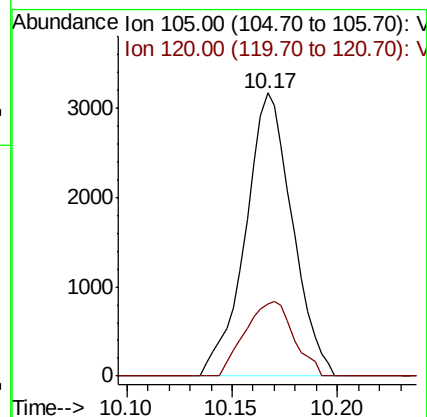
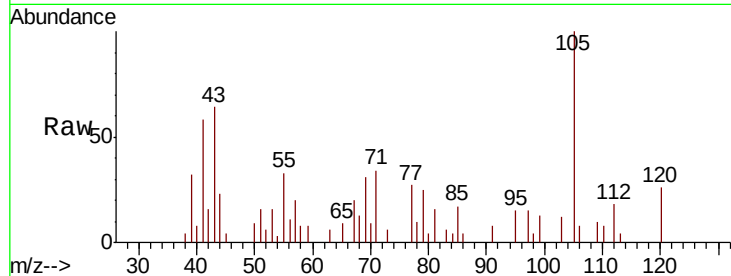
ClientSampleId :

Tot Ion:105 Resp: 4913

Ion Ratio Lower Upper

105 100

120 27.1 12.7 38.0



#74

N-ethyl acetate

Concen: 4.154 ug/l

RT: 10.07 min Scan# 2767

Delta R.T. 0.06 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

Tgt Ion: 43 Resp: 30812

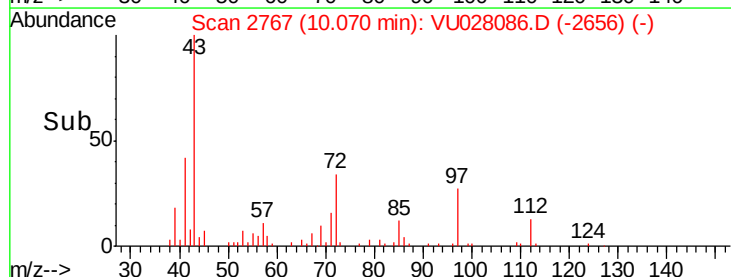
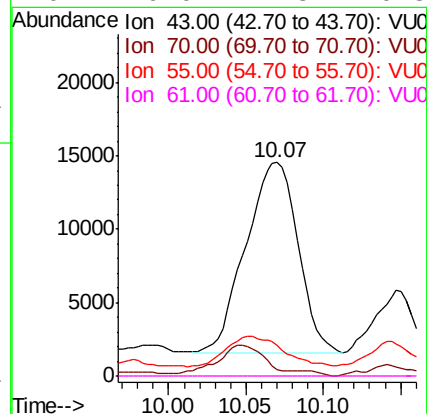
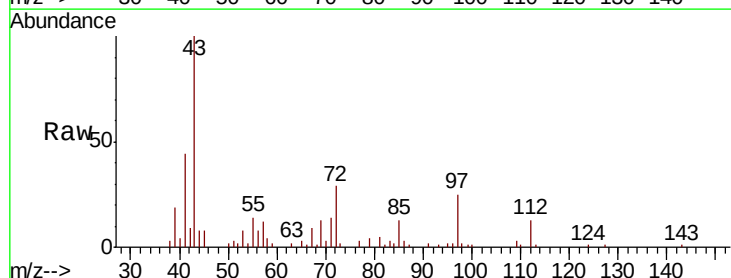
Ion Ratio Lower Upper

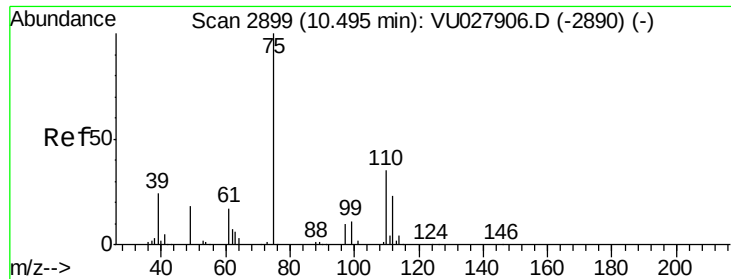
43 100

70 0.0 29.2 43.8#

55 0.0 17.8 26.6#

61 0.0 17.8 26.8#





#76

1,2,3-Trichloropropane

Concen: 21.403 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

Instrument :

MSVOA_U

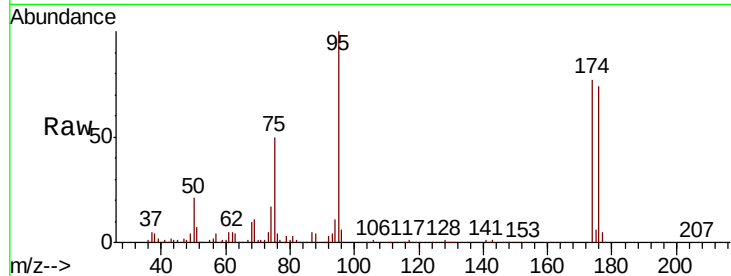
ClientSampleId :

Tot Ion: 75 Resp: 92696

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.31

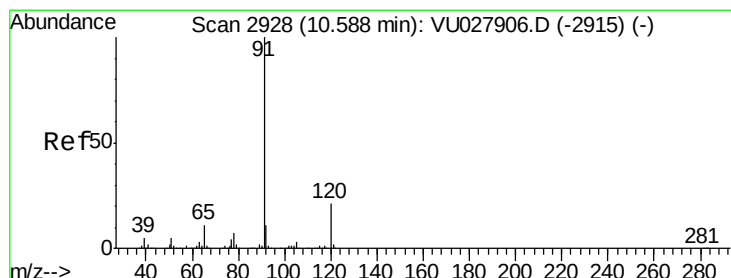
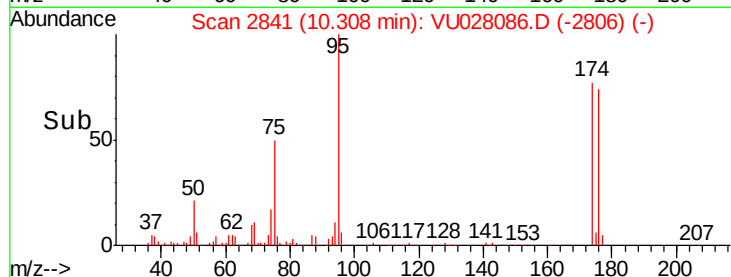
60000

40000

20000

0

Time-->



#78

n-propylbenzene

Concen: 0.755 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028086.D

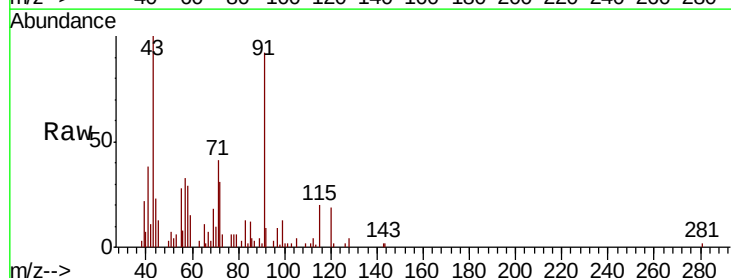
Acq: 13 Nov 2018 12:53

Tgt Ion: 91 Resp: 11091

Ion Ratio Lower Upper

91 100

120 19.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

25000

20000

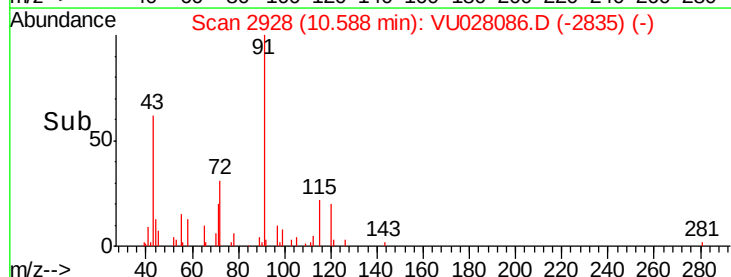
15000

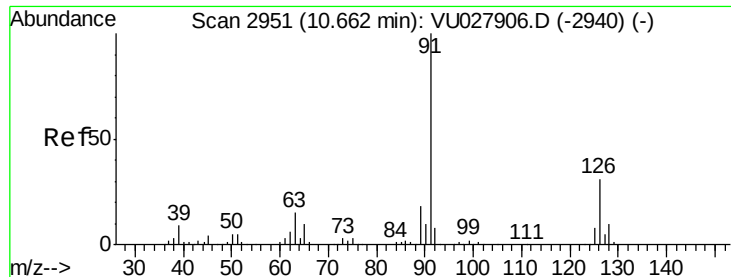
10000

5000

0

Time-->

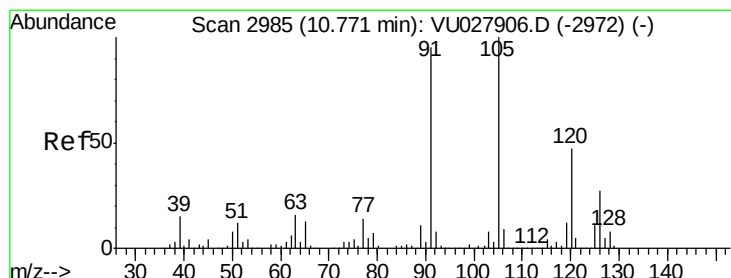
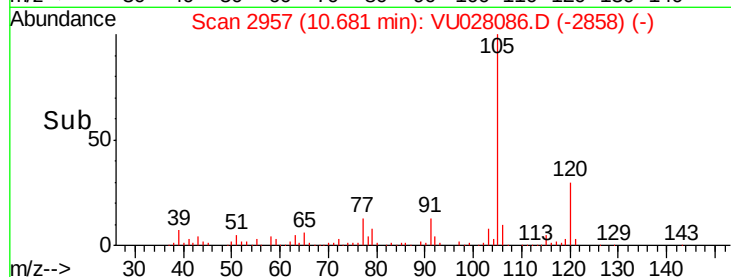
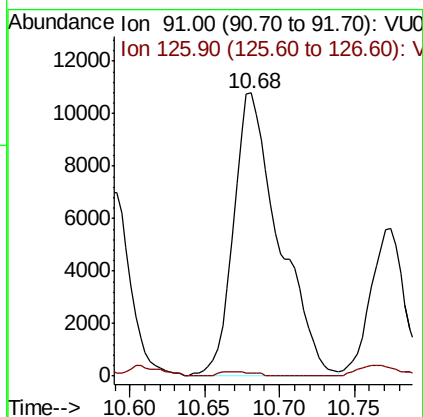
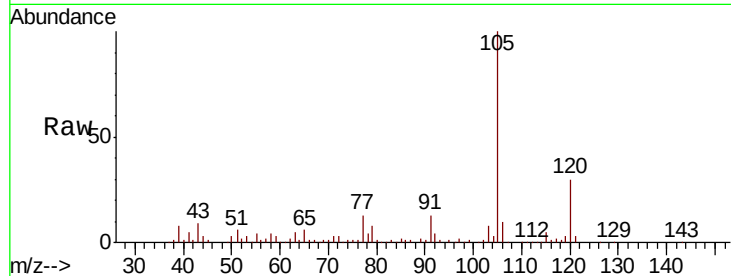




#79
 2-Chlorotoluene
 Concen: 2.593 ug/l
 RT: 10.68 min Scan# 2957
 Delta R.T. 0.02 min
 Lab File: VU028086.D
 Acq: 13 Nov 2018 12:53

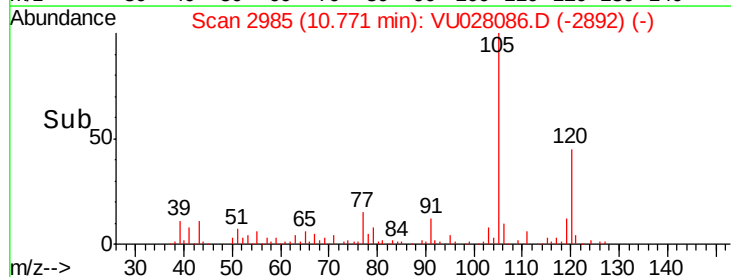
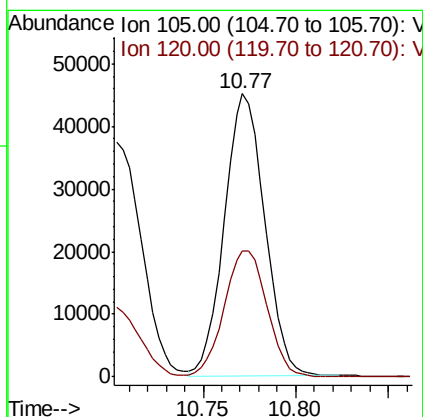
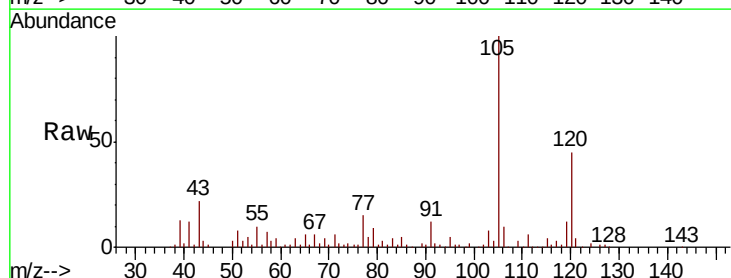
Instrument :
 MSVOA_U
 ClientSampled :

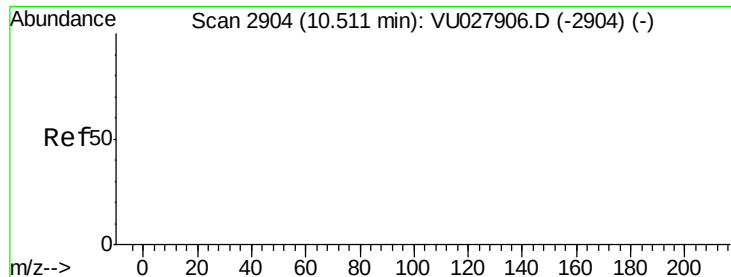
Tot Ion: 91 Resp: 22824
 Ion Ratio Lower Upper
 91 100
 126 1.2 16.0 47.9#



#80
 1,3,5-Trimethylbenzene
 Concen: 6.696 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028086.D
 Acq: 13 Nov 2018 12:53

Tgt Ion: 105 Resp: 68045
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.3 69.9

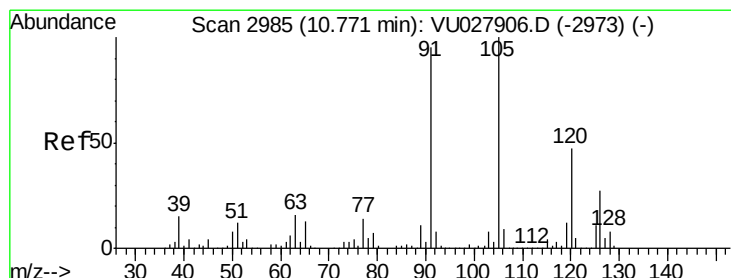
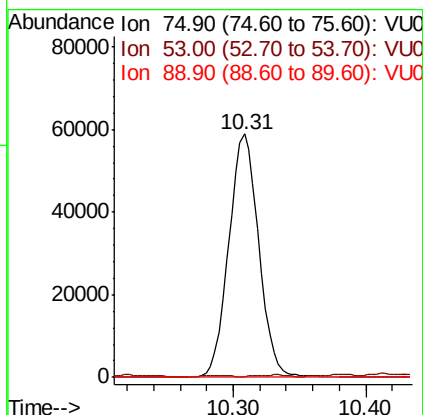
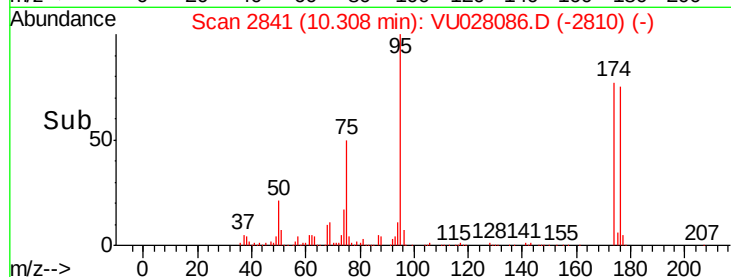
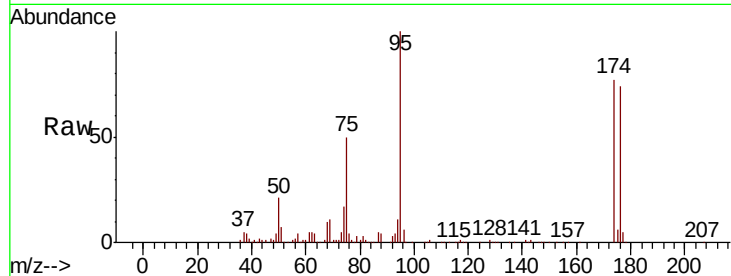




#81
trans-1,4-Dichloro-2-butene
Concen: 53.420 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

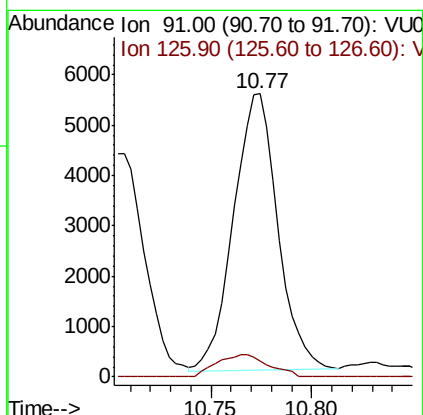
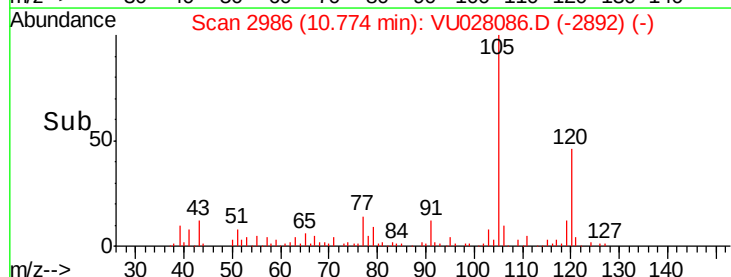
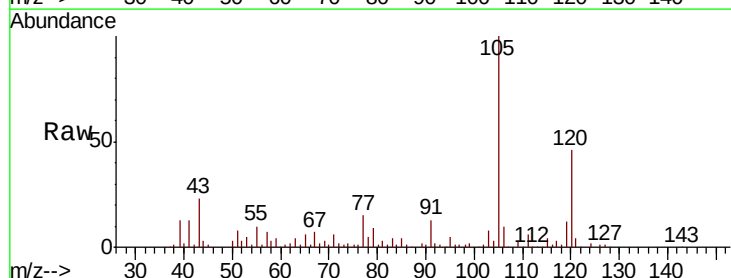
Instrument :
MSVOA_U
ClientSampled :

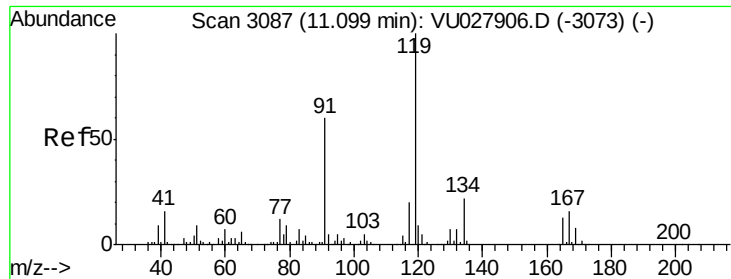
Tot Ion: 75 Resp: 92696
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 0.849 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

Tgt Ion: 91 Resp: 8482
Ion Ratio Lower Upper
91 100
126 9.2 14.2 42.6#

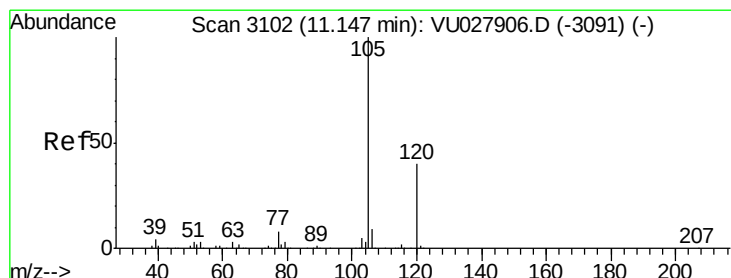
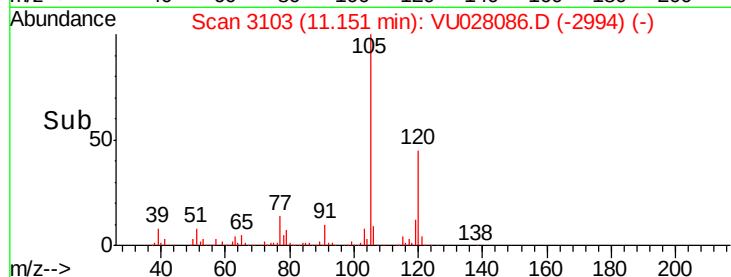
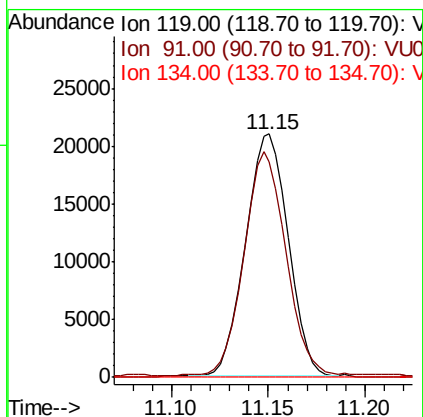
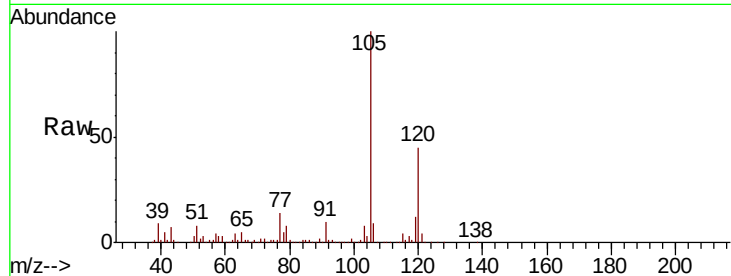




#83
 tert-Butylbenzene
 Concen: 3.166 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.05 min
 Lab File: VU028086.D
 Acq: 13 Nov 2018 12:53

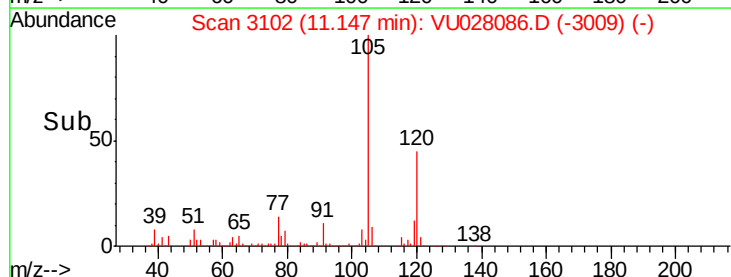
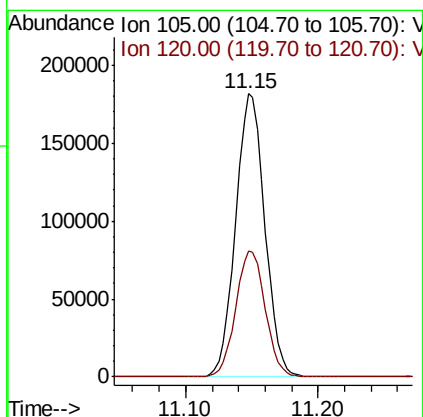
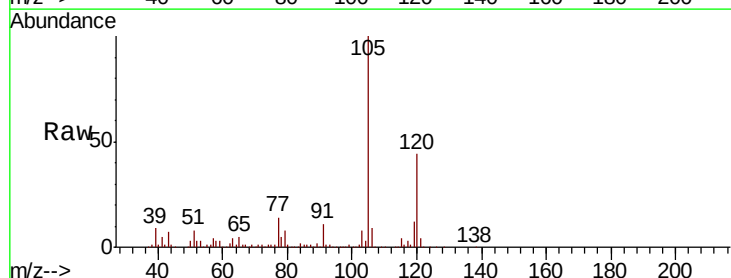
Instrument :
 MSVOA_U
 ClientSampled :

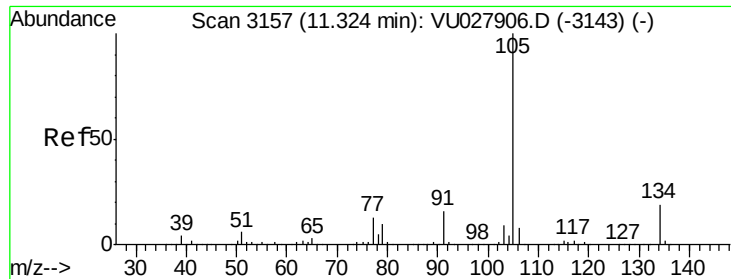
Tot Ion:119 Resp: 32161
 Ion Ratio Lower Upper
 119 100
 91 90.7 29.8 89.3#
 134 0.0 11.1 33.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 27.107 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028086.D
 Acq: 13 Nov 2018 12:53

Tgt Ion:105 Resp: 277362
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.1 66.1





#85

sec-Butylbenzene

Concen: 22.451 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.18 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

Instrument :

MSVOA_U

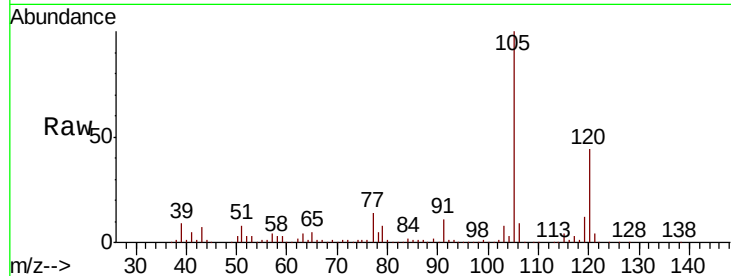
ClientSampleId :

Tot Ion:105 Resp: 277362

Ion Ratio Lower Upper

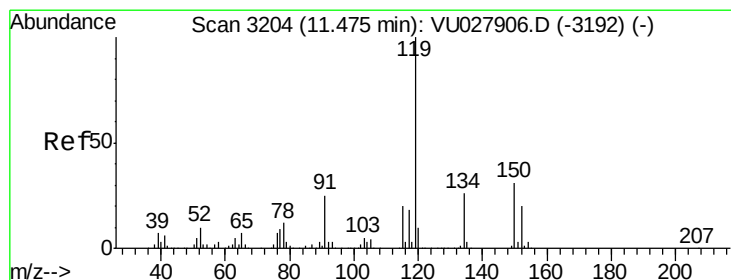
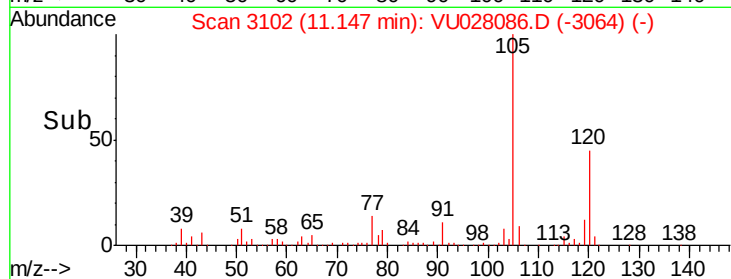
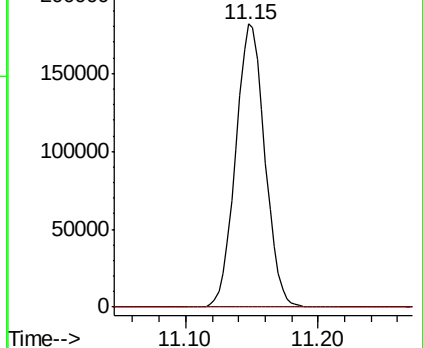
105 100

134 0.0 9.2 27.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.432 ug/l

RT: 11.43 min Scan# 3189

Delta R.T. -0.05 min

Lab File: VU028086.D

Acq: 13 Nov 2018 12:53

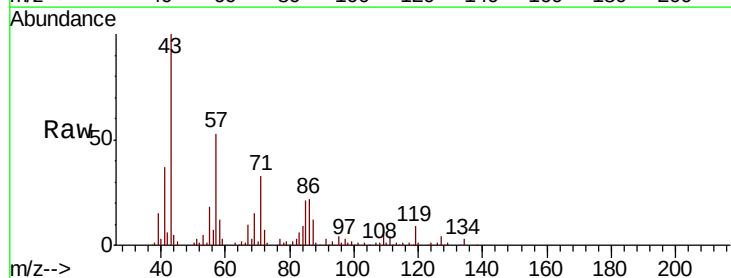
Tgt Ion:119 Resp: 4464

Ion Ratio Lower Upper

119 100

134 31.6 12.9 38.7

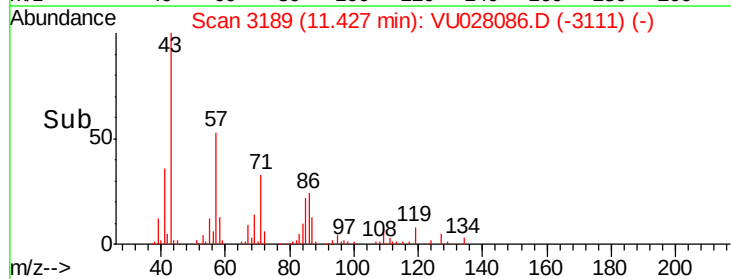
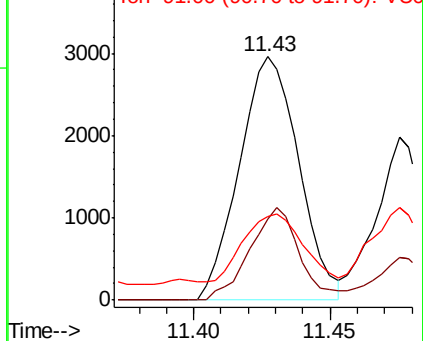
91 27.9 12.4 37.2

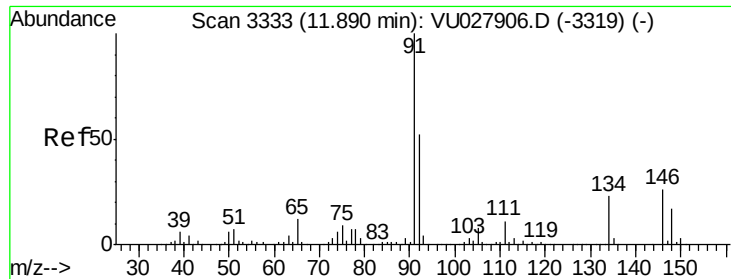


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

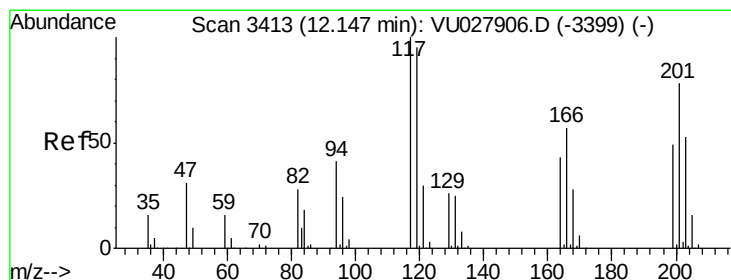
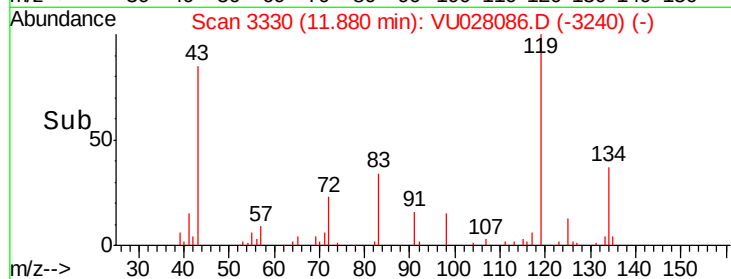
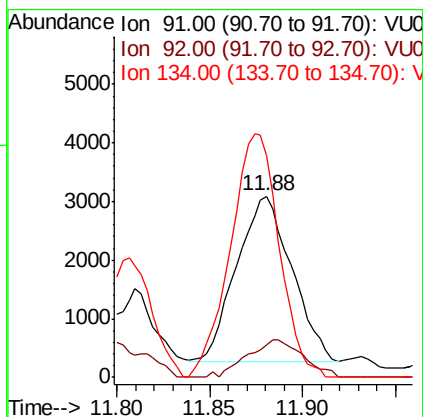
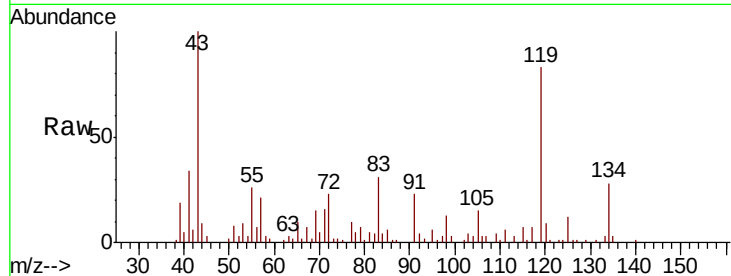




#89
n-Butylbenzene
Concen: 0.593 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. -0.01 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

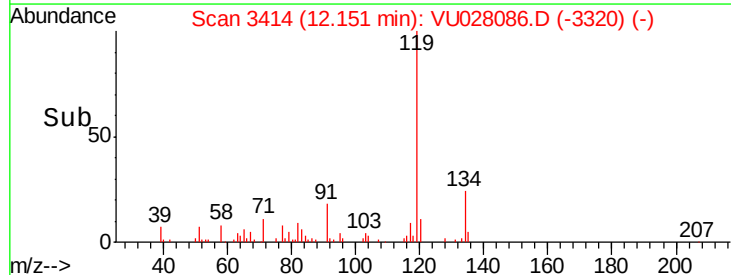
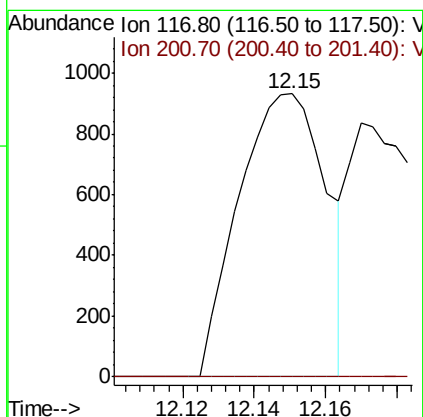
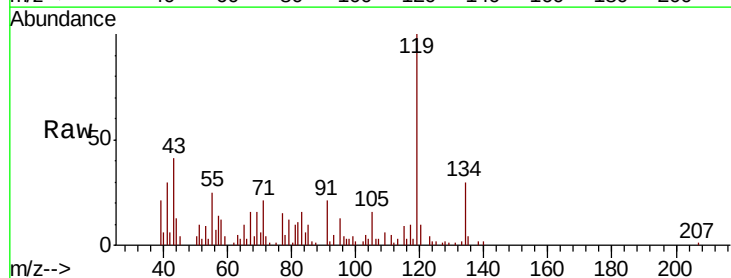
Instrument :
MSVOA_U
ClientSampleId :

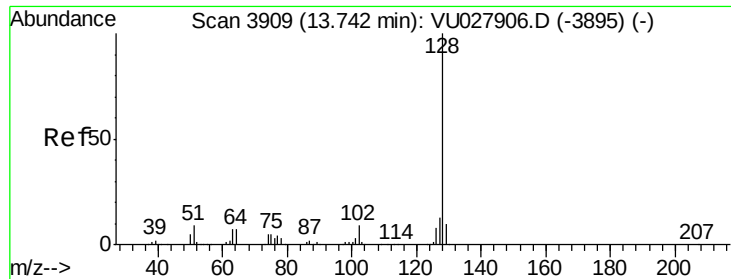
Tot Ion: 91 Resp: 5821
Ion Ratio Lower Upper
91 100
92 22.9 26.2 78.5#
134 130.0 11.5 34.5#



#90
Hexachloroethane
Concen: 0.855 ug/l
RT: 12.15 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

Tgt Ion: 117 Resp: 1572
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#

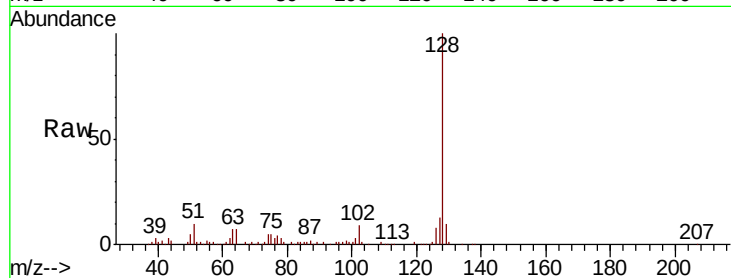




#95
Naphthalene
Concen: 9.495 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028086.D
Acq: 13 Nov 2018 12:53

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.3	12.5



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

