

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112718\
 Data File : VU028346.D
 Acq On : 27 Nov 2018 19:25
 Operator : MD/SY
 Sample : J6028-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 28 12:48:55 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	227694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	428013	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	386325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	151561	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	203376	60.08	ug/l	0.00
Spiked Amount			Recovery	=	120.16%	
35) Dibromofluoromethane	4.88	113	148372	54.98	ug/l	0.00
Spiked Amount			Recovery	=	109.96%	
50) Toluene-d8	7.57	98	563718	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	
62) 4-Bromofluorobenzene	10.30	95	187590	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	6105	1.745	ug/l	93
5) Bromomethane	1.60	94	266	0.230	ug/l #	3
8) Diethyl Ether	2.11	74	454	0.264	ug/l #	2
10) Methyl Iodide	2.42	142	194	7.835	ug/l #	40
11) Tert butyl alcohol	2.84	59	1430	1.596	ug/l #	73
13) Acrolein	2.18	56	780	Below Cal	#	1
14) Allyl chloride	2.69	41	3970225	680.724	ug/l #	27
16) Acetone	2.32	43	24089	11.469	ug/l	99
18) Methyl Acetate	2.69	43	440025	76.159	ug/l	92
21) trans-1,2-Dichloroethene	2.99	96	958	0.348	ug/l	98
25) 2-Butanone	4.29	43	1388	0.415	ug/l	100
28) Bromochloromethane	4.55	49	86254	30.677	ug/l	95
29) Tetrahydrofuran	4.66	42	907	0.407	ug/l #	55
30) Chloroform	4.67	83	2987	0.543	ug/l	88
31) Cyclohexane	4.99	56	7291	Below Cal	#	19
36) 1,1-Dichloropropene	4.98	75	20651	4.607	ug/l #	49
38) Carbon Tetrachloride	4.98	117	23942	6.027	ug/l #	18
40) Benzene	5.39	78	28761	2.099	ug/l	95
43) Isopropyl Acetate	5.55	43	18848	1.832	ug/l	96
45) 1,2-Dichloropropane	6.70	63	1386	0.351	ug/l #	44
48) Methyl methacrylate	6.70	41	117032	23.208	ug/l #	47
49) 1,4-Dioxane	6.70	88	89	1.082	ug/l #	1
51) 4-Methyl-2-Pentanone	7.42	43	74136	10.788	ug/l #	48
52) Toluene	7.64	92	234348	29.085	ug/l	100
53) t-1,3-Dichloropropene	7.89	75	163	1.147	ug/l #	43
54) cis-1,3-Dichloropropene	7.42	75	28860	5.347	ug/l #	63
57) 1,3-Dichloropropane	8.41	76	8058	1.349	ug/l #	43
59) 2-Hexanone	8.41	43	126231	23.749	ug/l #	53
61) 1,2-Dibromoethane	8.59	107	1154	0.331	ug/l #	77
67) Ethyl Benzene	9.25	91	89370	5.949	ug/l	99
68) m/p-Xylenes	9.37	106	106587	19.553	ug/l	96
69) o-Xylene	9.78	106	46962	8.532	ug/l	95
70) Styrene	9.78	104	3162	0.360	ug/l #	1
73) Isopropylbenzene	10.16	105	6036	0.514	ug/l	100

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

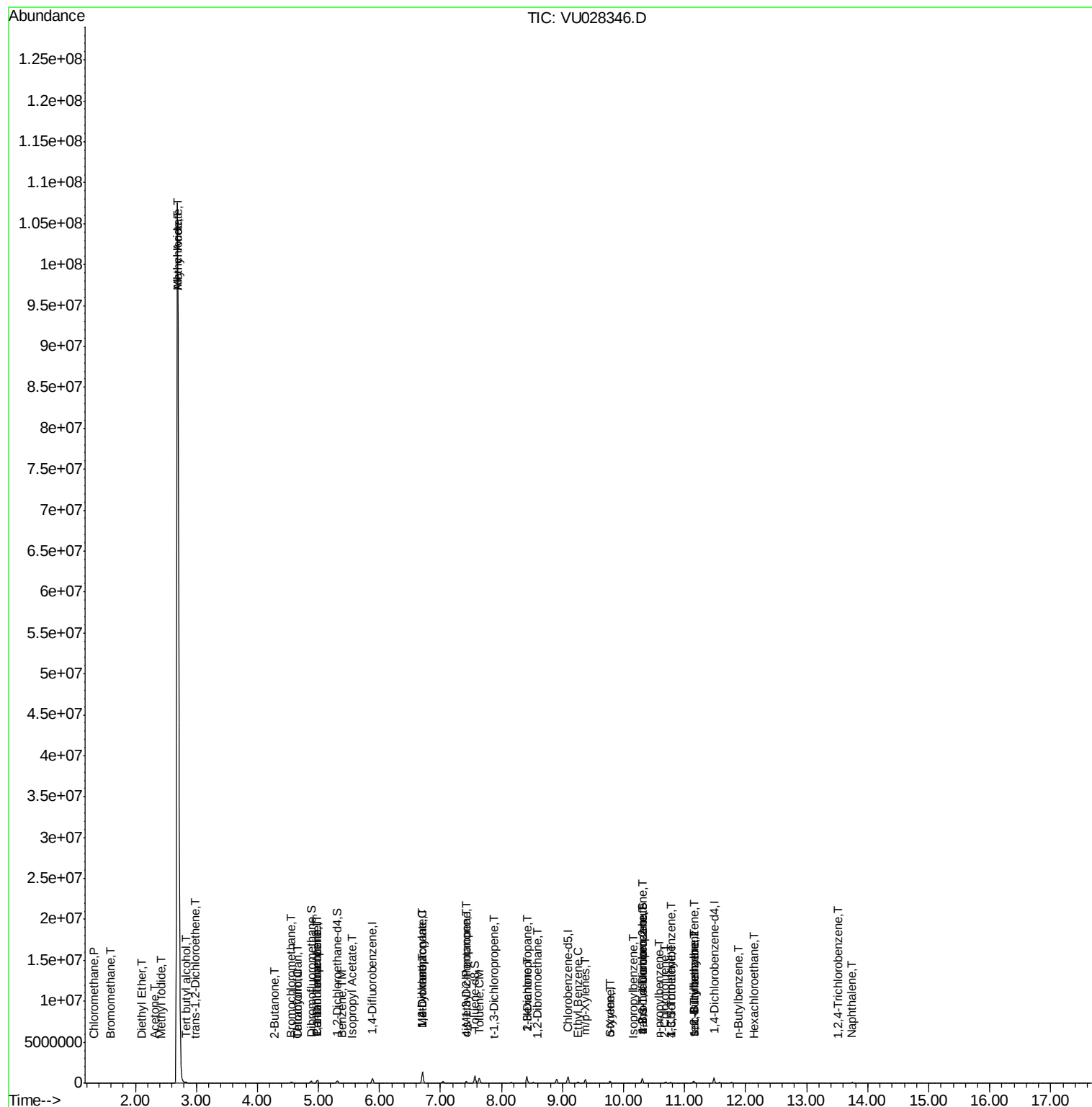
76) 1,2,3-Trichloropropane	10.30	75	100125	24.152	ug/l #	35
78) n-propylbenzene	10.58	91	23756	1.690	ug/l	100
79) 2-Chlorotoluene	10.68	91	14172	1.682	ug/l #	43
80) 1,3,5-Trimethylbenzene	10.77	105	34353	3.532	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.30	75	100125	60.248	ug/l #	100
82) 4-Chlorotoluene	10.77	91	4348	0.455	ug/l #	46
83) tert-Butylbenzene	11.14	119	15729	1.618	ug/l #	55
84) 1,2,4-Trimethylbenzene	11.15	105	134303	13.713	ug/l	98
85) sec-Butylbenzene	11.15	105	134303	11.357	ug/l #	59
89) n-Butylbenzene	11.87	91	4144	0.441	ug/l #	22
90) Hexachloroethane	12.15	117	828	0.470	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.50	180	820	0.915	ug/l #	65
95) Naphthalene	13.74	128	73045	5.715	ug/l	99

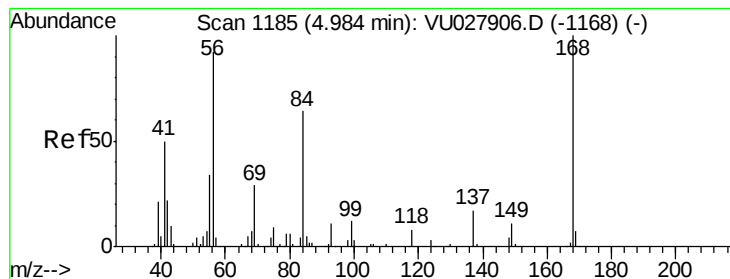
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU112718\
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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: VU028346.D

Acq: 27 Nov 2018 19:25

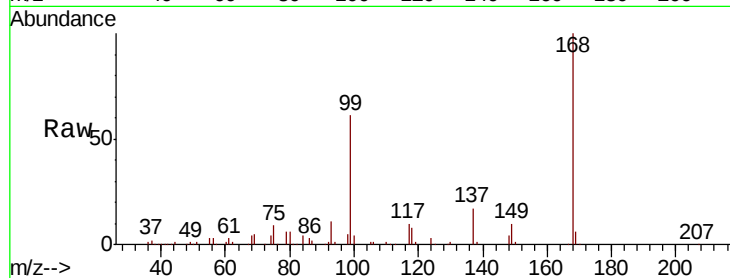
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 227694

Ion Ratio Lower Upper

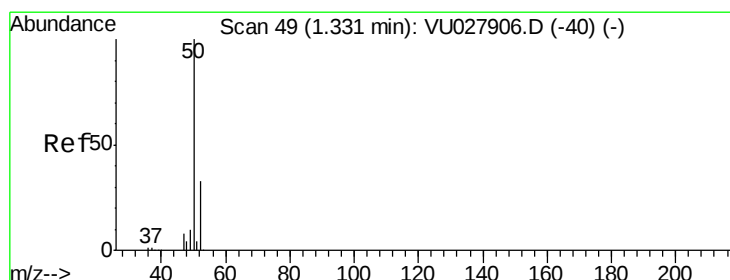
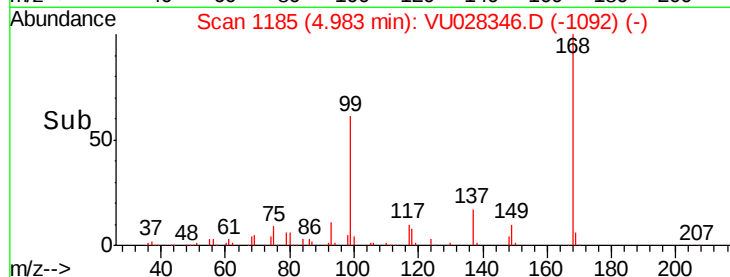
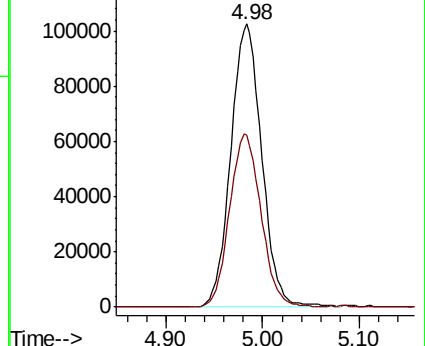
168 100

99 60.7 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU028346.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU028346.D (-1092) (-)



#3

Chloromethane

Concen: 1.745 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU028346.D

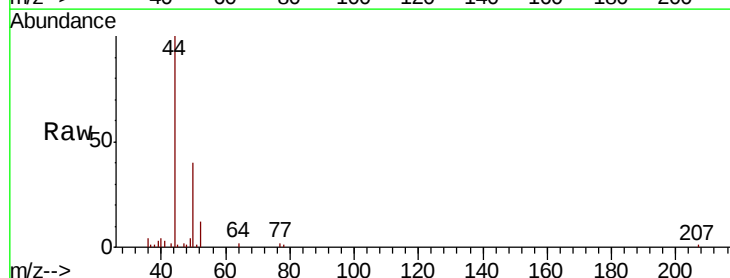
Acq: 27 Nov 2018 19:25

Tgt Ion: 50 Resp: 6105

Ion Ratio Lower Upper

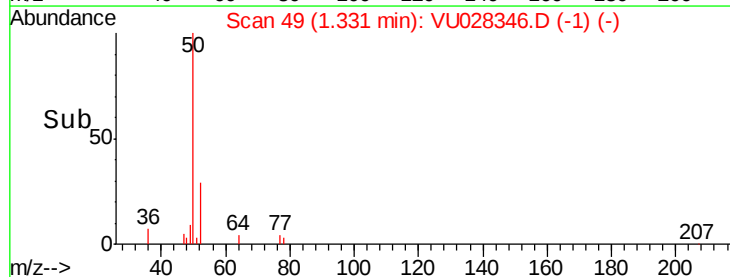
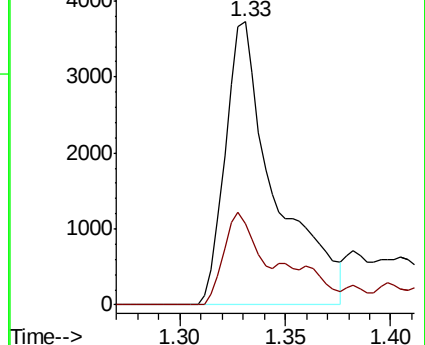
50 100

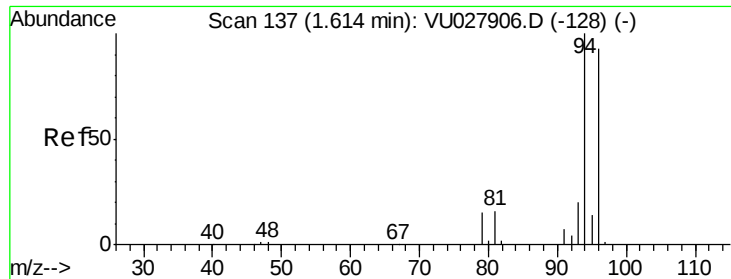
52 28.9 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU028346.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU028346.D (-1) (-)





#5

Bromomethane

Concen: 0.230 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU028346.D

Acq: 27 Nov 2018 19:25

Instrument :

MSVOA_U

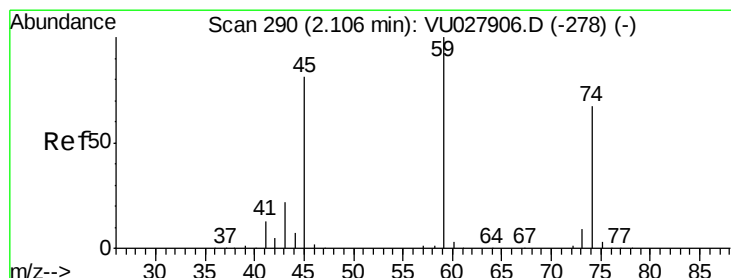
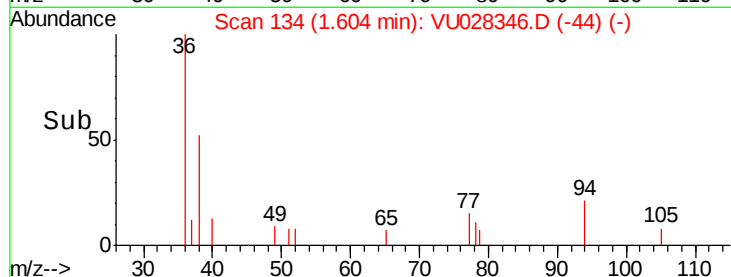
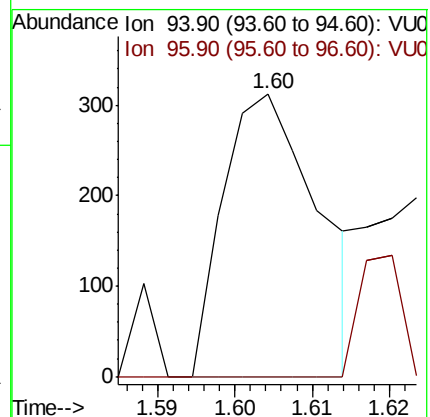
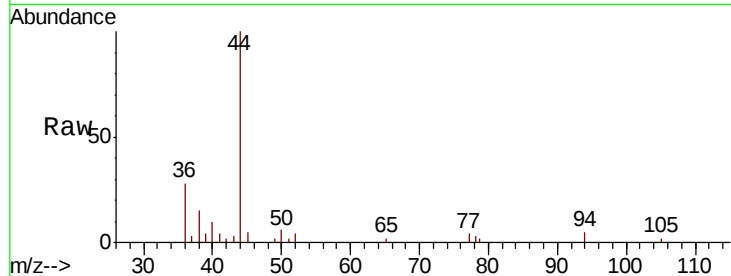
ClientSampleId :

Tot Ion: 94 Resp: 266

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



#8

Diethyl Ether

Concen: 0.264 ug/l

RT: 2.11 min Scan# 290

Delta R.T. -0.00 min

Lab File: VU028346.D

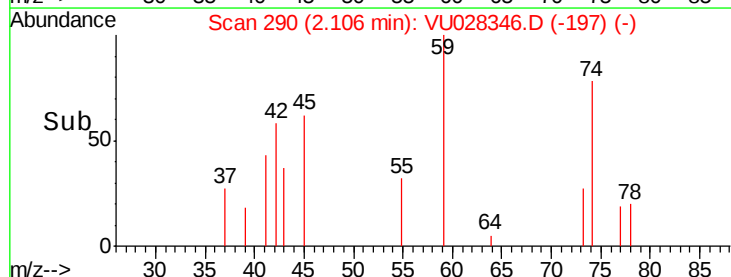
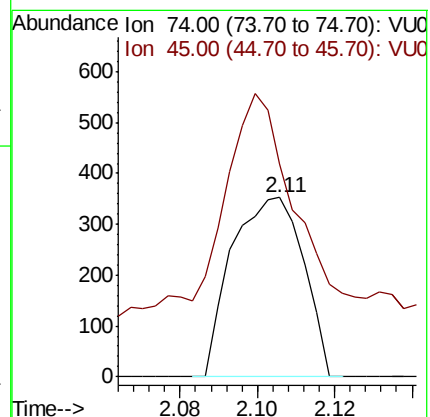
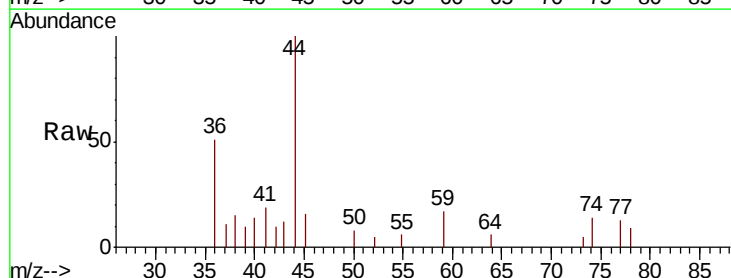
Acq: 27 Nov 2018 19:25

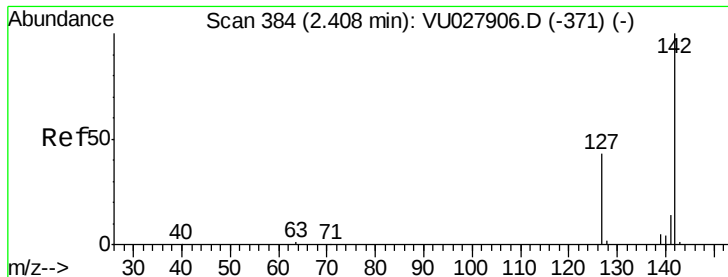
Tgt Ion: 74 Resp: 454

Ion Ratio Lower Upper

74 100

45 230.0 60.5 181.5#

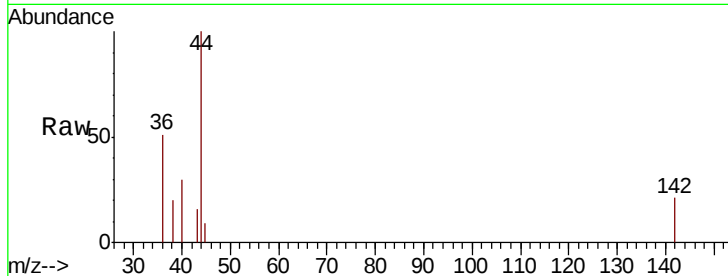




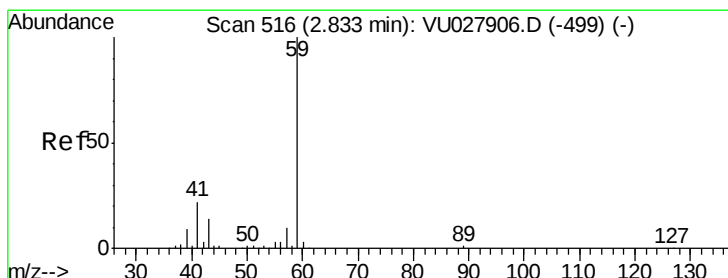
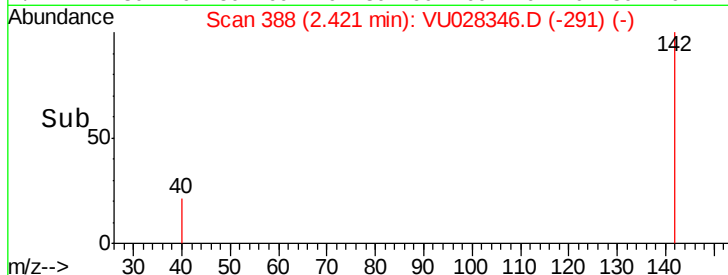
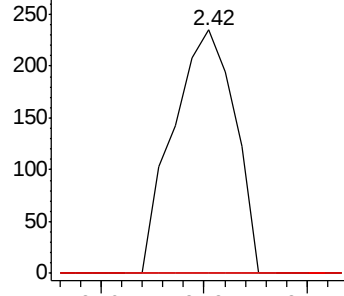
#10
Methyl Iodide
Concen: 7.835 ug/l
RT: 2.42 min Scan# 388
Delta R.T. 0.01 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:142 Resp: 194
Ion Ratio Lower Upper
142 100
127 0.0 35.2 52.8#
141 0.0 11.8 17.8#

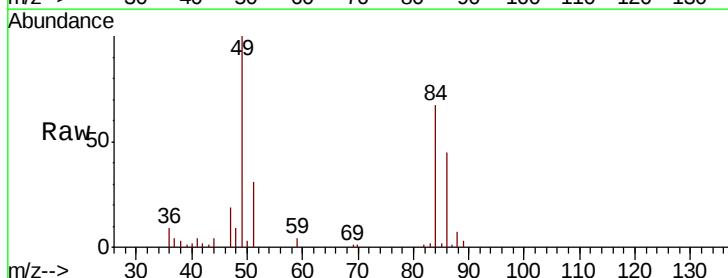


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

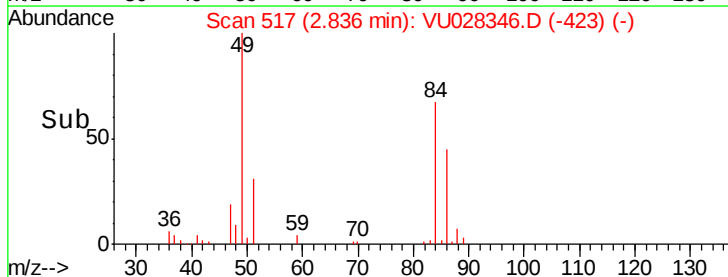
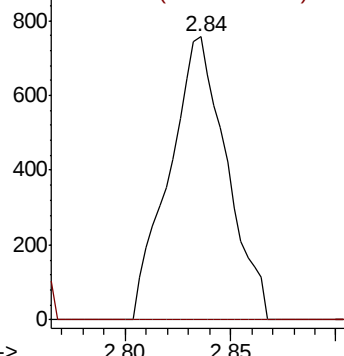


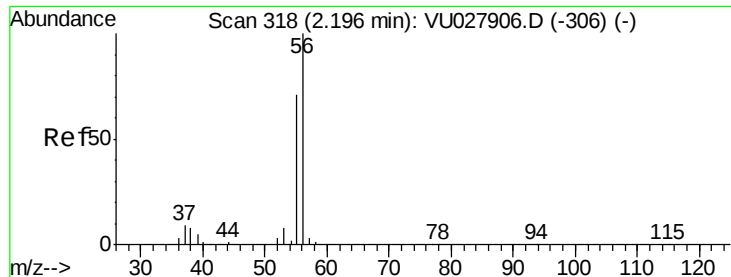
#11
Tert butyl alcohol
Concen: 1.596 ug/l
RT: 2.84 min Scan# 517
Delta R.T. 0.00 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Tgt Ion: 59 Resp: 1430
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

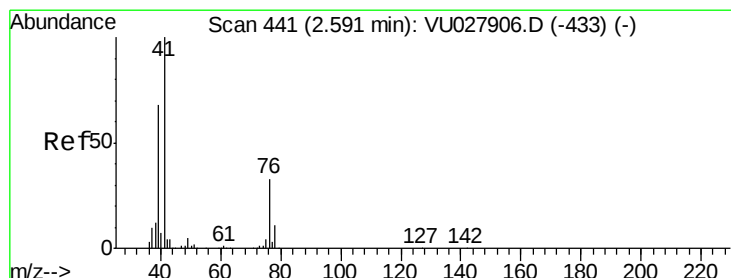
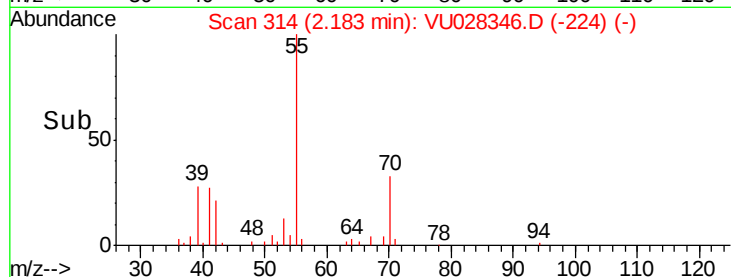
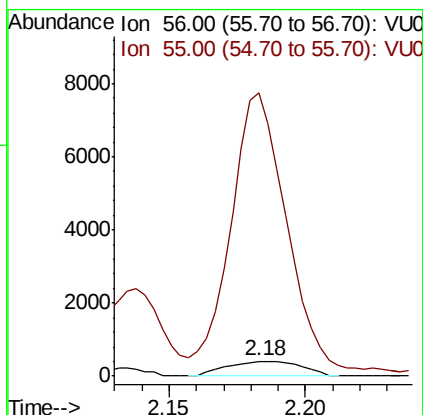
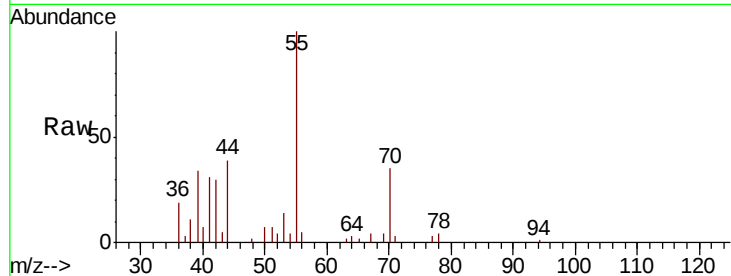




#13
Acrolein
Concen: Below Cal
RT: 2.18 min Scan# 314
Delta R.T. -0.01 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

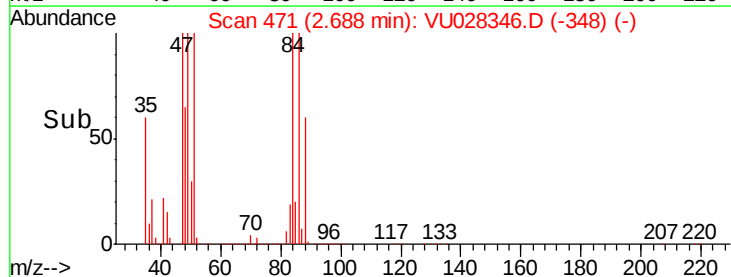
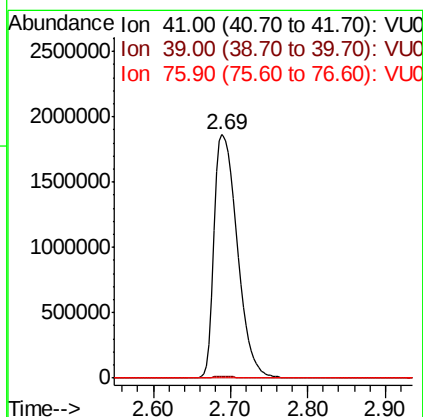
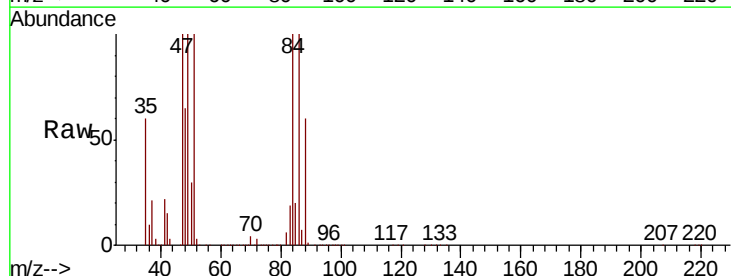
Instrument :
MSVOA_U
ClientSampleId :

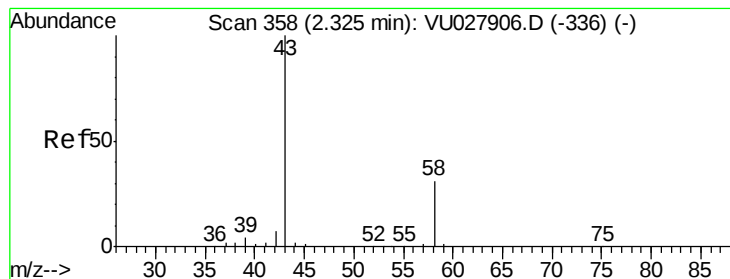
Tot Ion: 56.00 Resp: 780
Ion Ratio Lower Upper
56 100
55 1456.2 56.2 84.4#



#14
Allyl chloride
Concen: 680.724 ug/l
RT: 2.69 min Scan# 471
Delta R.T. 0.10 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Tgt Ion: 41 Resp: 3970225
Ion Ratio Lower Upper
41 100
39 0.7 51.9 77.9#
76 0.0 23.8 35.6#





#16

Acetone

Concen: 11.469 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028346.D

Acq: 27 Nov 2018 19:25

Instrument :

MSVOA_U

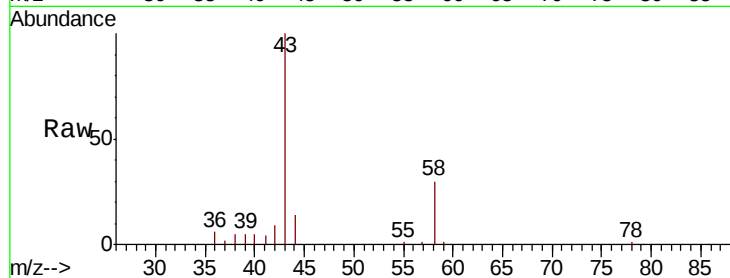
ClientSampleId :

Tot Ion: 43 Resp: 24089

Ion Ratio Lower Upper

43 100

58 30.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

15000

10000

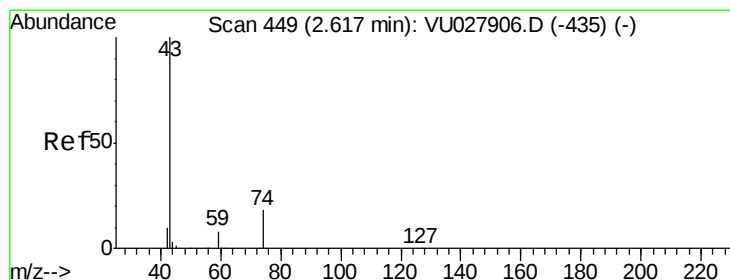
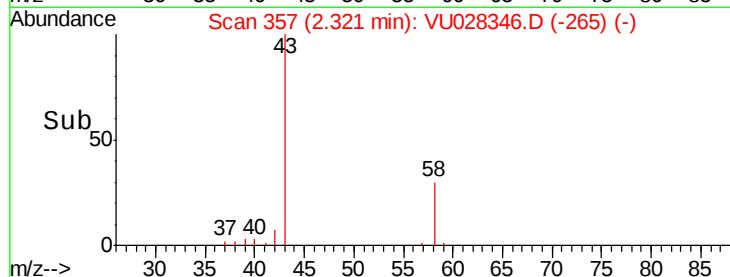
5000

0

Time-->

2.25 2.30 2.35 2.40

2.32



#18

Methyl Acetate

Concen: 76.159 ug/l

RT: 2.69 min Scan# 471

Delta R.T. 0.07 min

Lab File: VU028346.D

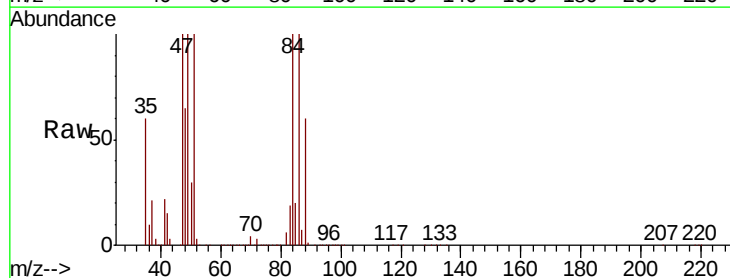
Acq: 27 Nov 2018 19:25

Tgt Ion: 43 Resp: 440025

Ion Ratio Lower Upper

43 100

74 15.2 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

250000

200000

150000

100000

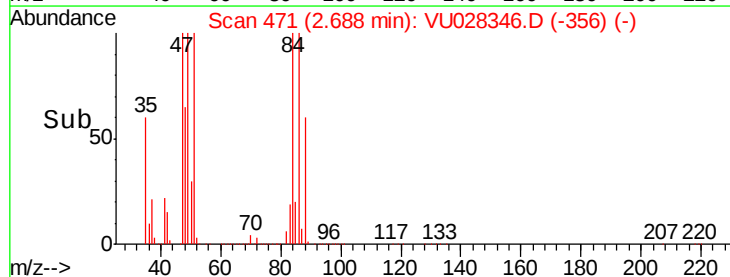
50000

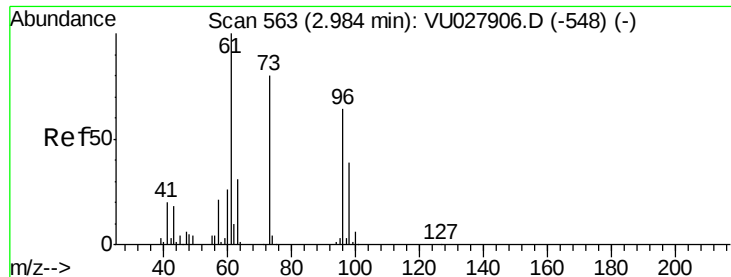
0

Time-->

2.60 2.70 2.80

2.69





#21

trans-1,2-Dichloroethene

Concen: 0.348 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028346.D

Acq: 27 Nov 2018 19:25

Instrument :
MSVOA_U
ClientSampleId :

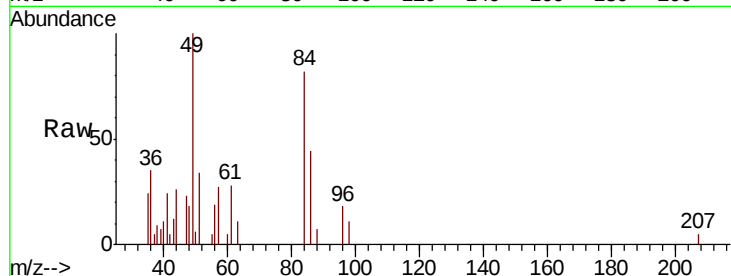
Tot Ion: 96 Resp: 958

Ion Ratio Lower Upper

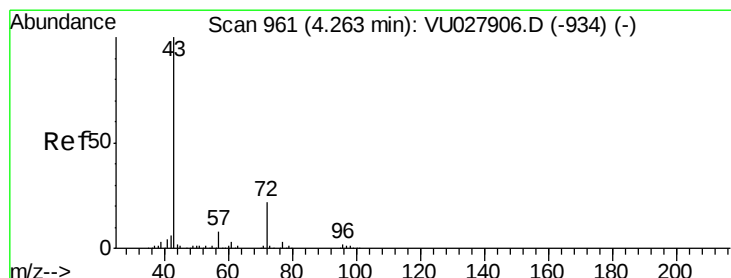
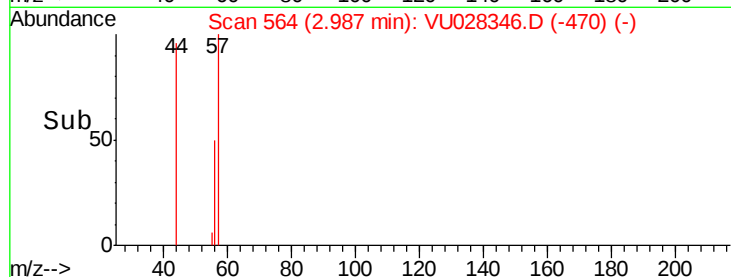
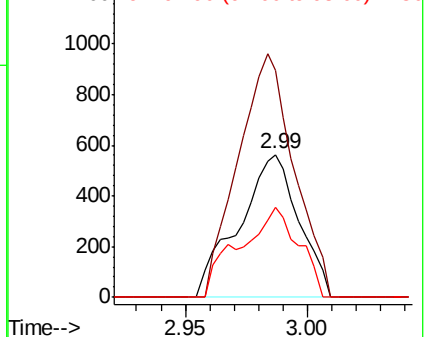
96 100

61 159.0 125.0 187.6

98 62.7 48.2 72.4



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#25

2-Butanone

Concen: 0.415 ug/l

RT: 4.29 min Scan# 969

Delta R.T. 0.03 min

Lab File: VU028346.D

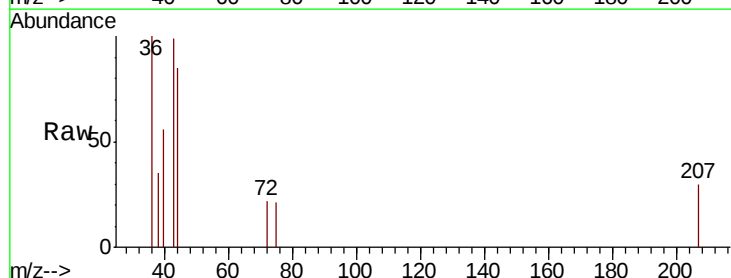
Acq: 27 Nov 2018 19:25

Tgt Ion: 43 Resp: 1388

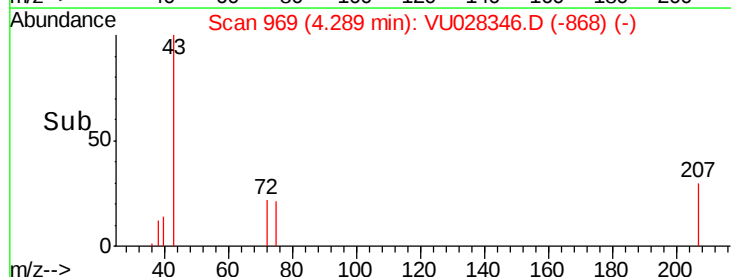
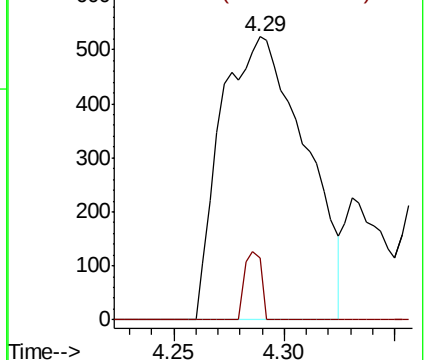
Ion Ratio Lower Upper

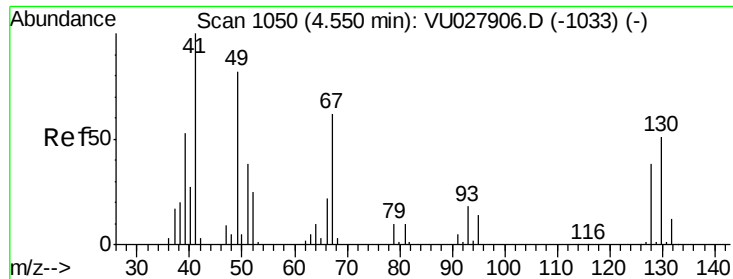
43 100

72 21.9 17.7 26.5



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





#28

Bromochloromethane

Concen: 30.677 ug/l

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU028346.D

Acq: 27 Nov 2018 19:25

Instrument :
MSVOA_U
ClientSampleId :

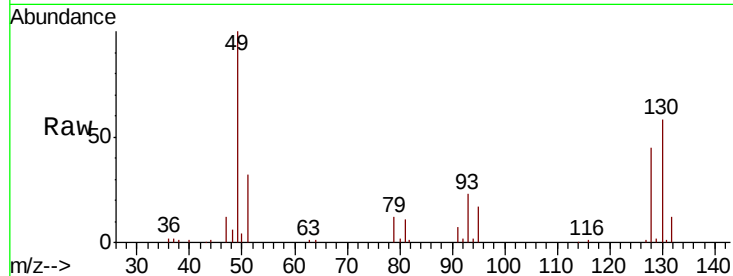
Tot Ion: 49 Resp: 86254

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.0

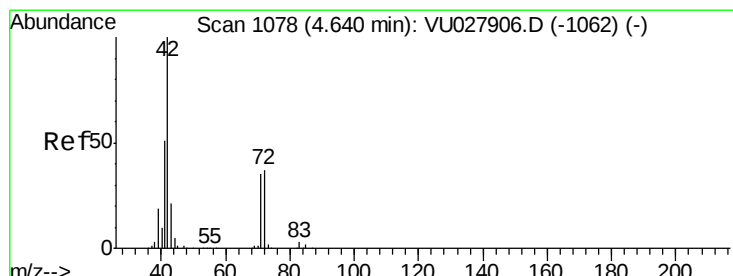
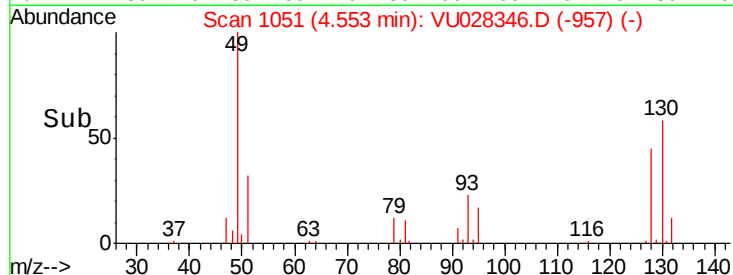
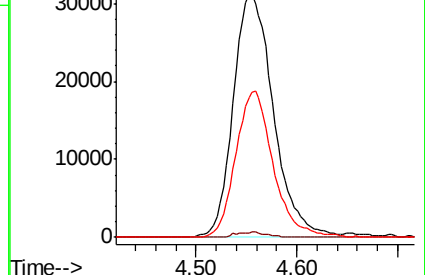
130 56.1 47.8 71.6



Abundance Ion 48.90 (48.60 to 49.60): VU027906.D (-1033) (-)

Ion 128.80 (128.50 to 129.50): VU027906.D (-1033) (-)

Ion 129.80 (129.50 to 130.50): VU027906.D (-1033) (-)



#29

Tetrahydrofuran

Concen: 0.407 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VU028346.D

Acq: 27 Nov 2018 19:25

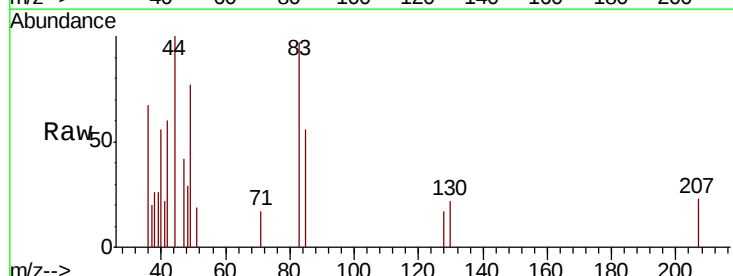
Tgt Ion: 42 Resp: 907

Ion Ratio Lower Upper

42 100

72 10.9 29.4 44.0#

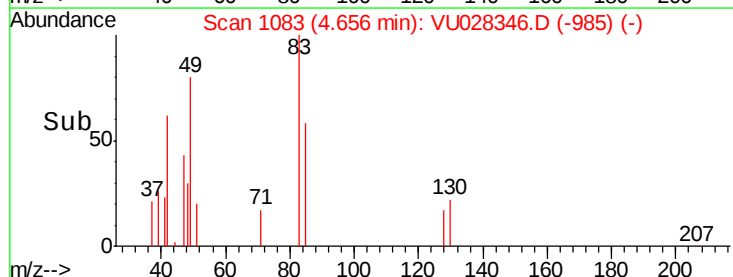
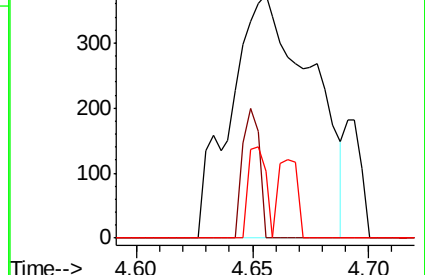
71 8.0 27.9 41.9#

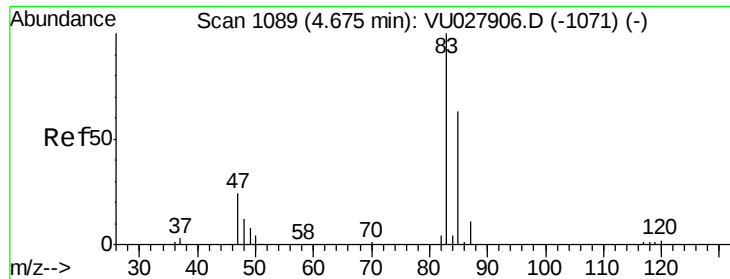


Abundance Ion 42.00 (41.70 to 42.70): VU027906.D (-1062) (-)

Ion 72.00 (71.70 to 72.70): VU027906.D (-1062) (-)

Ion 71.00 (70.70 to 71.70): VU027906.D (-1062) (-)





#30

Chloroform

Concen: 0.543 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028346.D

Acq: 27 Nov 2018 19:25

Instrument :

MSVOA_U

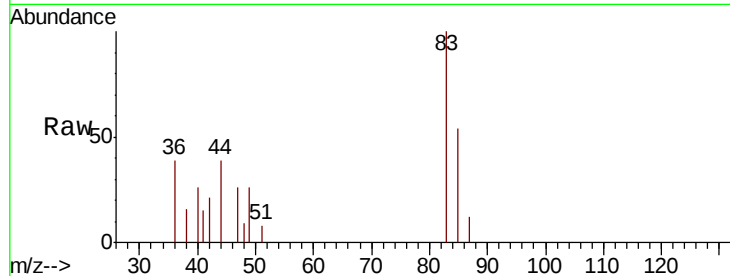
ClientSampled :

Tot Ion: 83 Resp: 2987

Ion Ratio Lower Upper

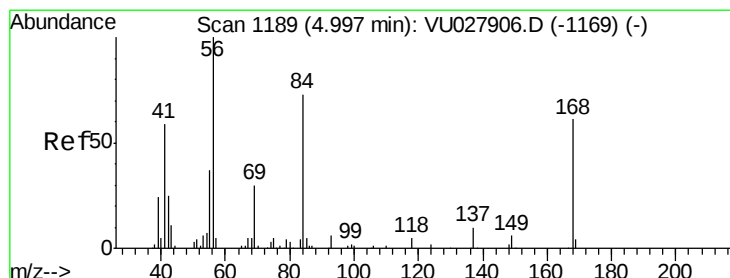
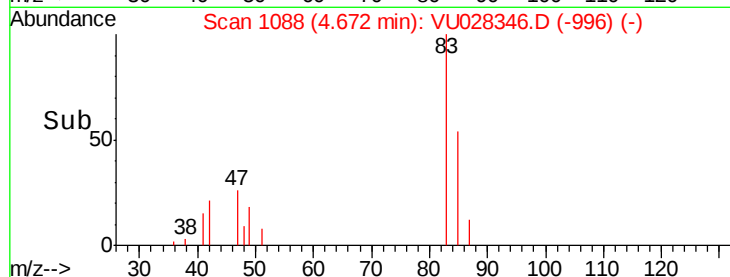
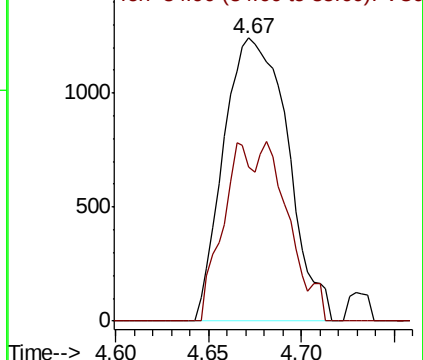
83 100

85 54.2 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1187

Delta R.T. -0.01 min

Lab File: VU028346.D

Acq: 27 Nov 2018 19:25

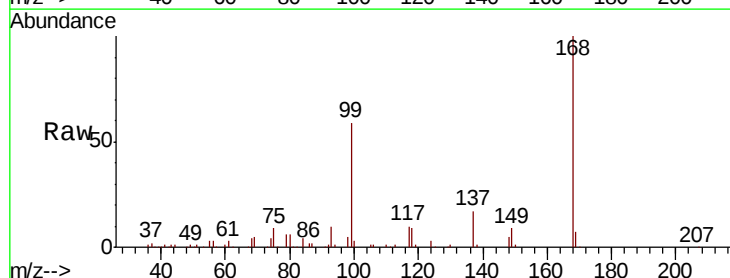
Tgt Ion: 56 Resp: 7291

Ion Ratio Lower Upper

56 100

69 129.3 23.7 35.5#

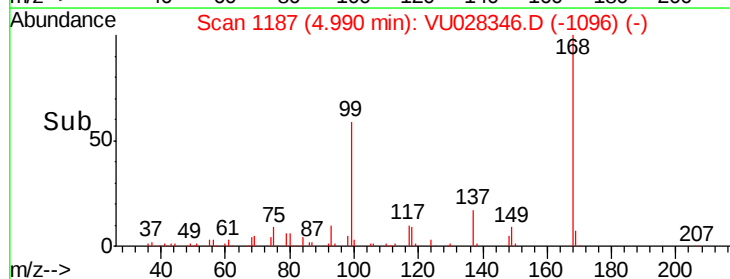
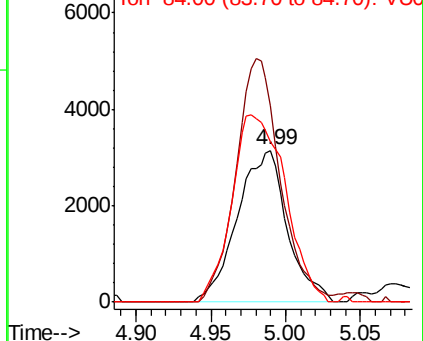
84 105.5 58.2 87.4#

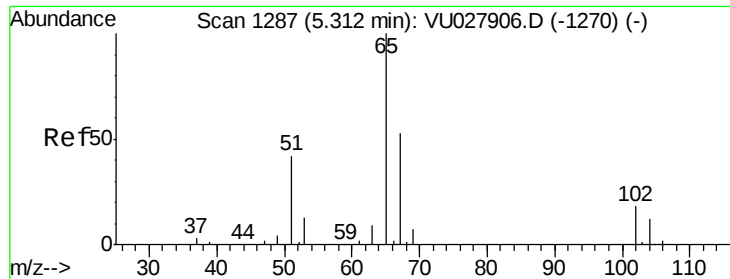


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

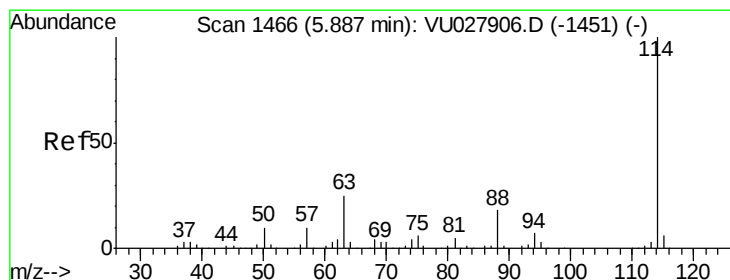
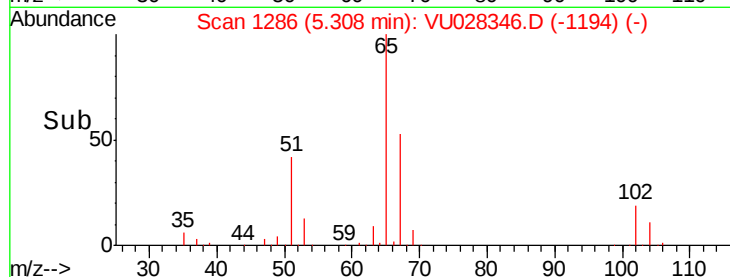
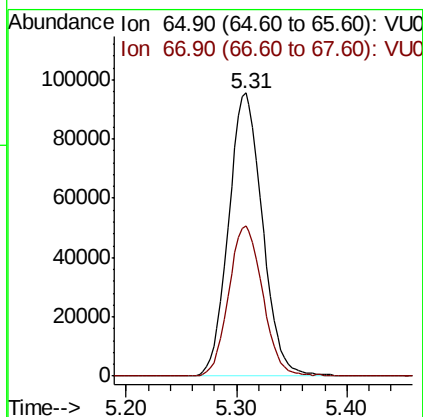
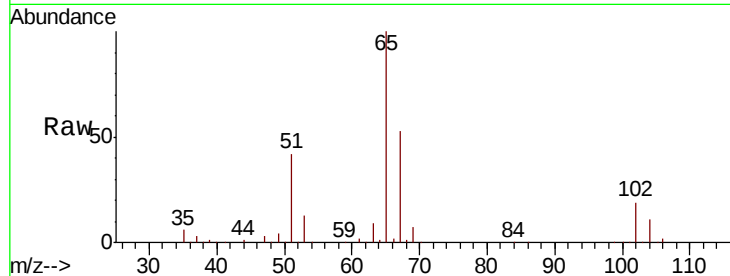




#33
 1,2-Dichloroethane-d4
 Concen: 60.077 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028346.D
 Acq: 27 Nov 2018 19:25

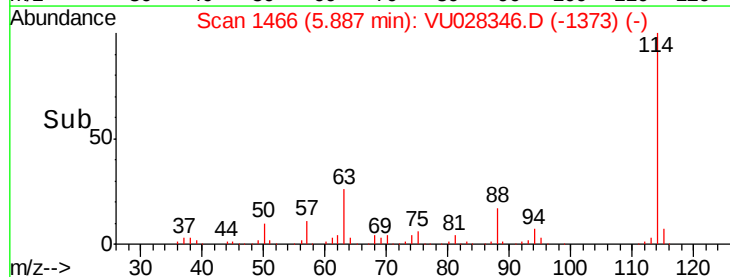
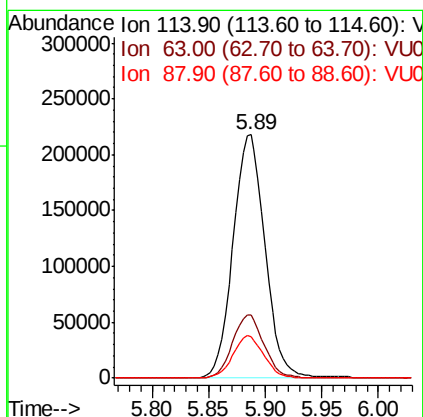
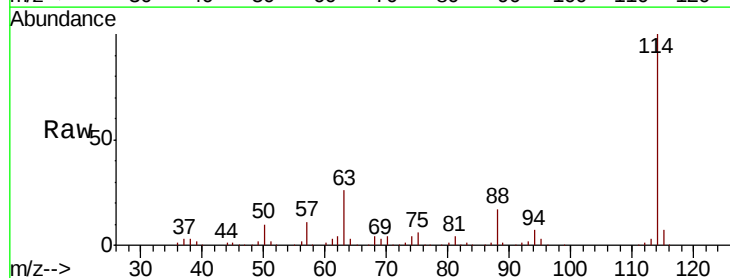
Instrument :
 MSVOA_U
 ClientSampled :

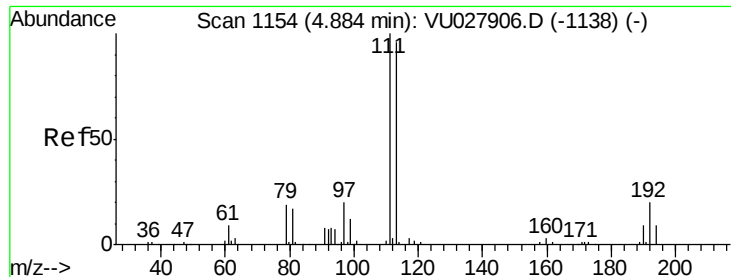
Tot Ion: 65 Resp: 203376
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028346.D
 Acq: 27 Nov 2018 19:25

Tgt Ion: 114 Resp: 428013
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 50.8
 88 17.0 0.0 35.8

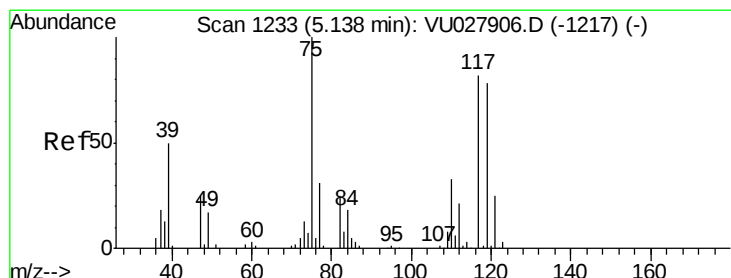
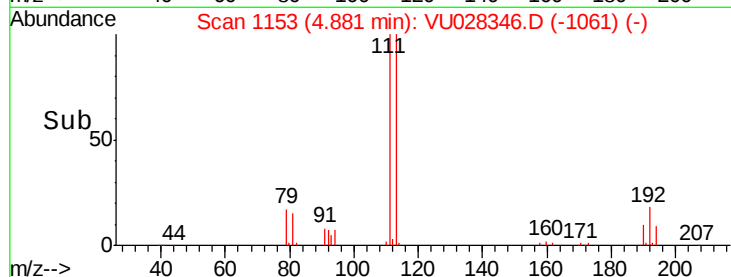
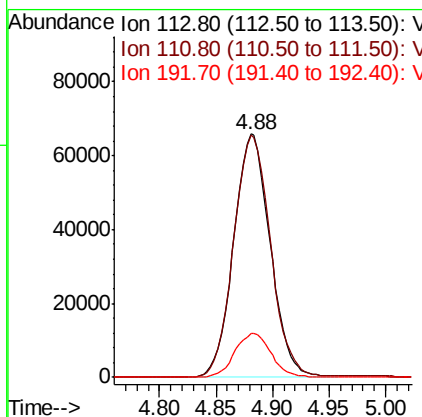
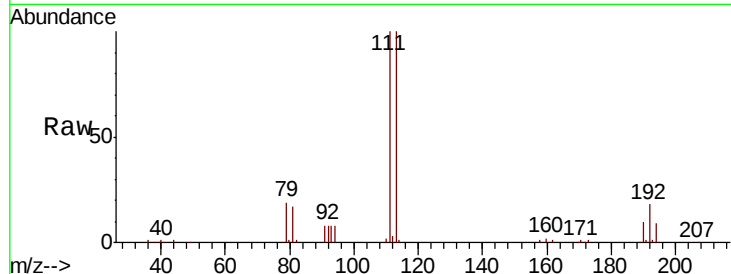




#35
 Dibromofluoromethane
 Concen: 54.979 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028346.D
 Acq: 27 Nov 2018 19:25

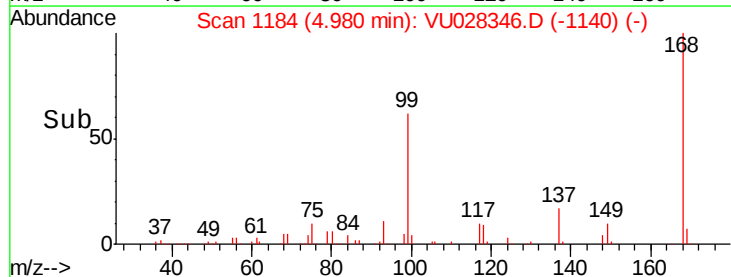
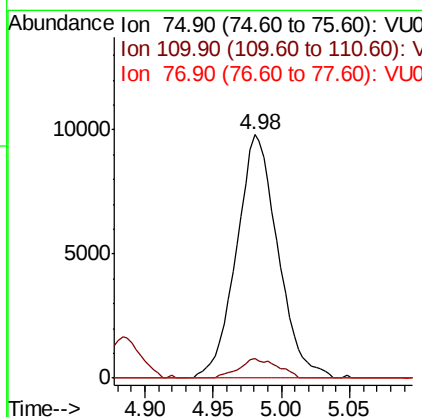
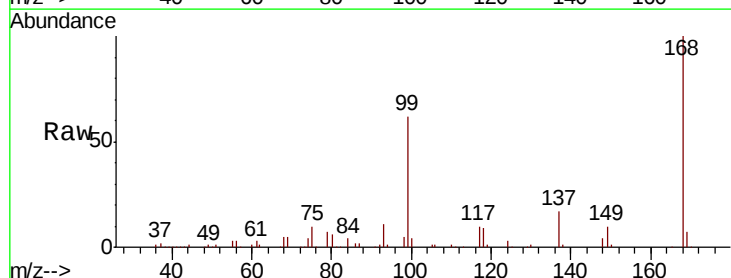
Instrument :
 MSVOA_U
 ClientSampleId :

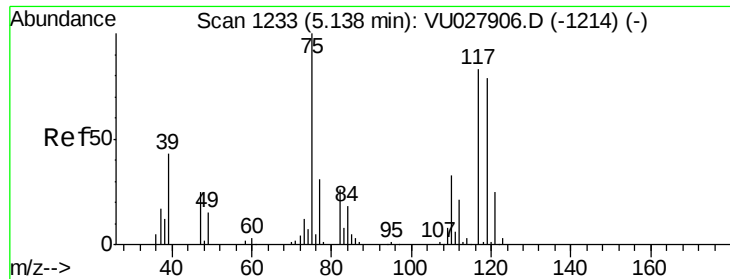
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.0	124.6
192	17.8	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.607 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028346.D
 Acq: 27 Nov 2018 19:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	16.5	49.5#
77	0.0	24.9	37.3#

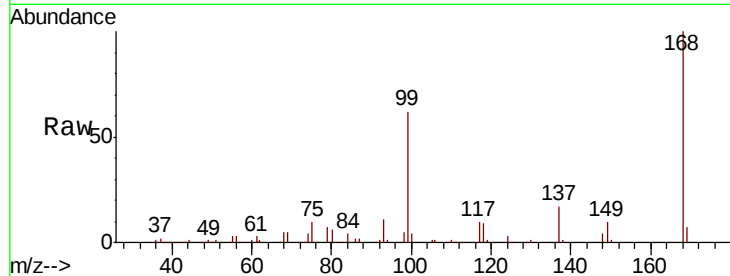




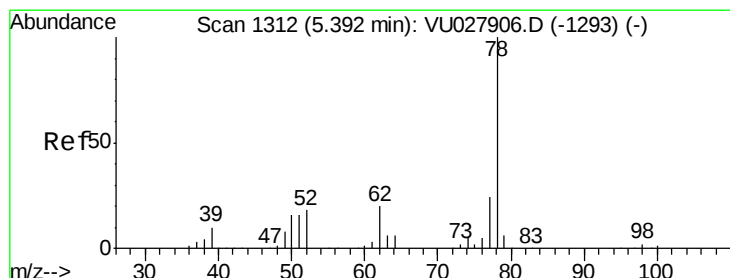
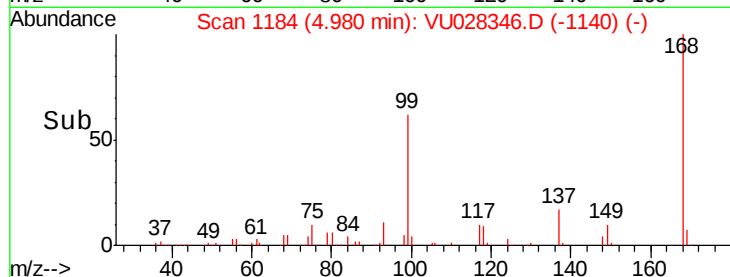
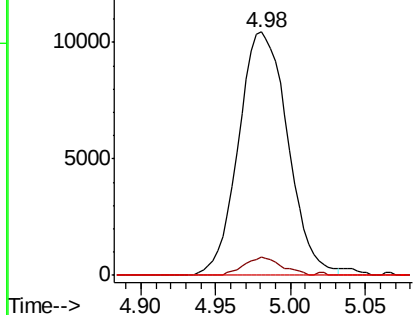
#38
 Carbon Tetrachloride
 Concen: 6.027 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028346.D
 Acq: 27 Nov 2018 19:25

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:117 Resp: 23942
 Ion Ratio Lower Upper
 117 100
 119 7.5 76.0 114.0#
 121 0.0 24.5 36.7#

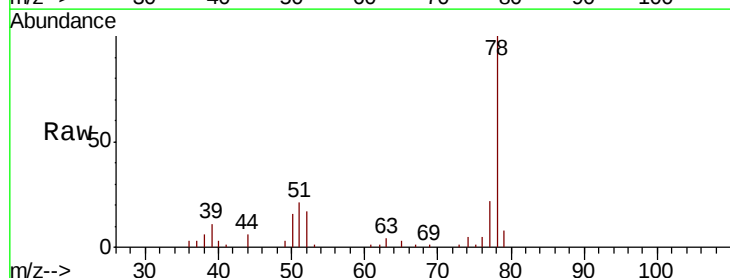


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

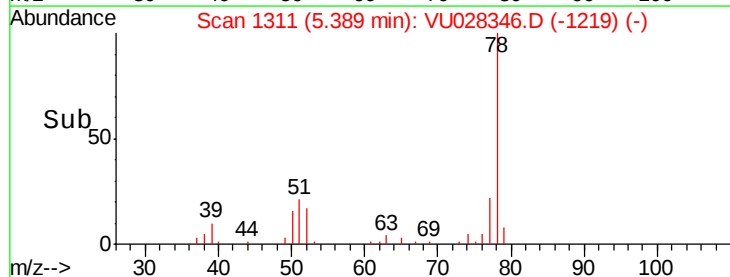
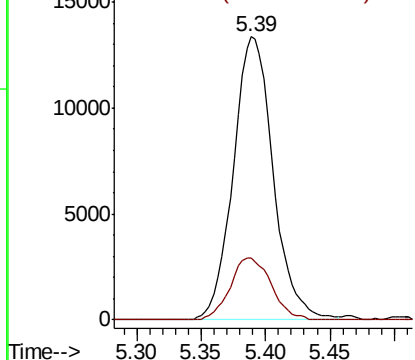


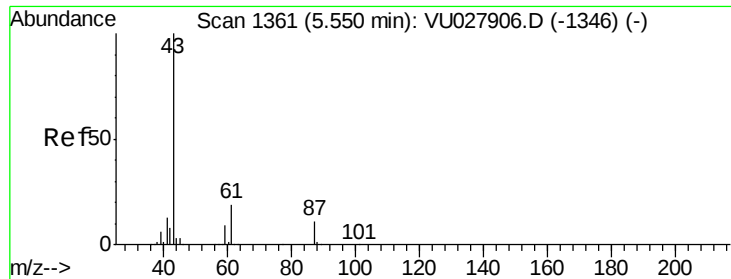
#40
 Benzene
 Concen: 2.099 ug/l
 RT: 5.39 min Scan# 1311
 Delta R.T. -0.00 min
 Lab File: VU028346.D
 Acq: 27 Nov 2018 19:25

Tgt Ion: 78 Resp: 28761
 Ion Ratio Lower Upper
 78 100
 77 21.7 19.3 28.9



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

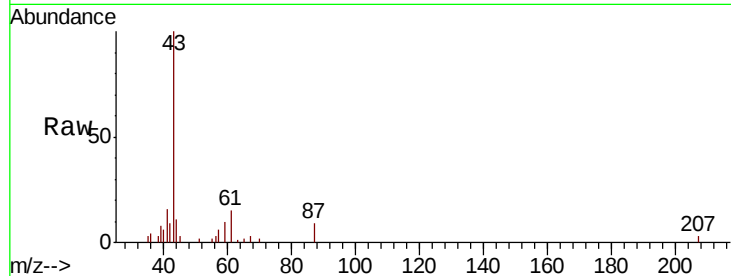




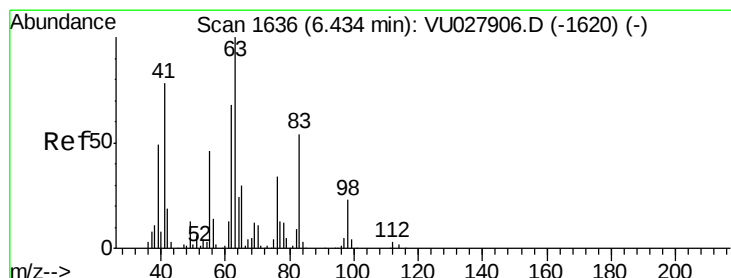
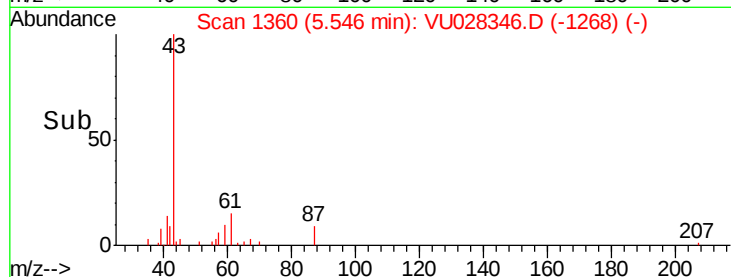
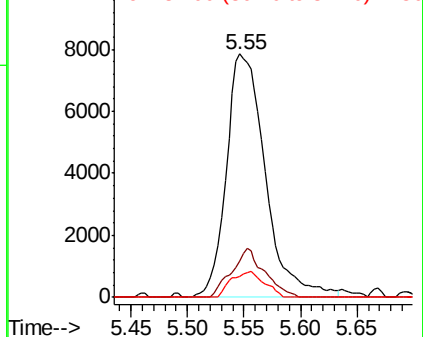
#43
Isopropyl Acetate
Concen: 1.832 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 18848
Ion Ratio Lower Upper
43 100
61 16.9 15.0 22.4
87 9.1 8.6 12.8

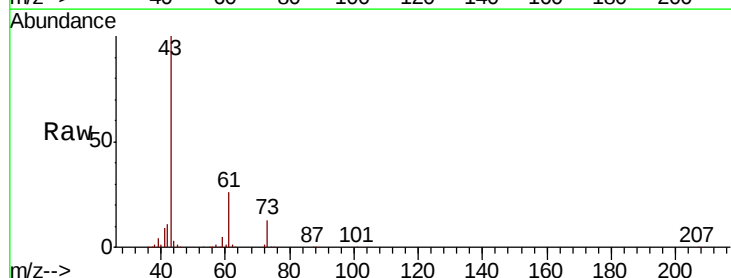


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

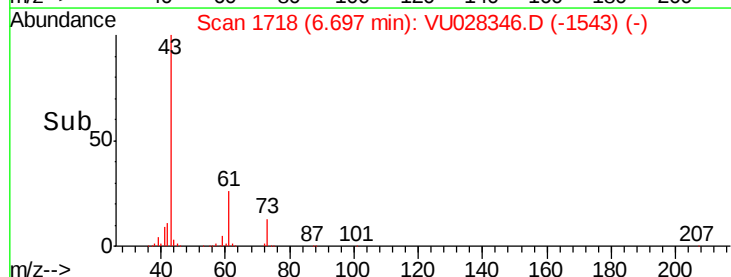
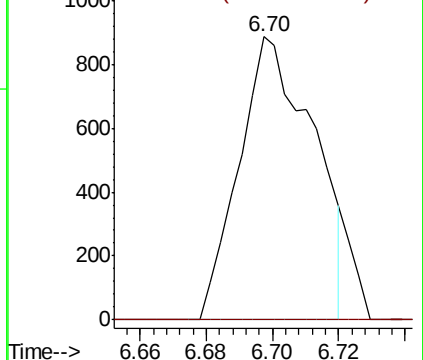


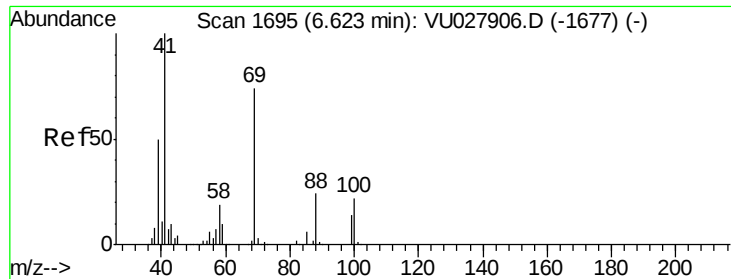
#45
1,2-Dichloropropane
Concen: 0.351 ug/l
RT: 6.70 min Scan# 1718
Delta R.T. 0.26 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Tgt Ion: 63 Resp: 1386
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 64.90 (64.60 to 65.60): VU0

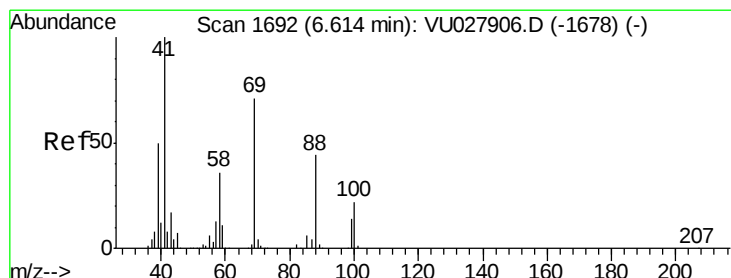
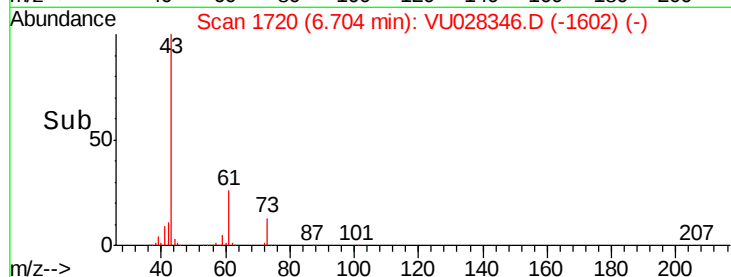
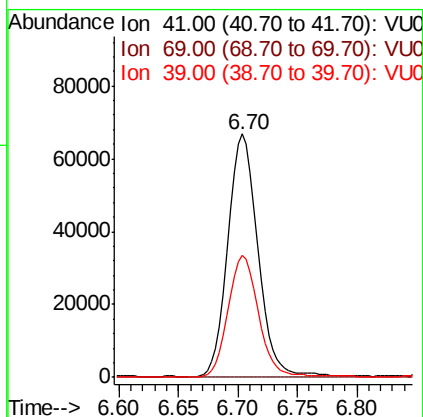
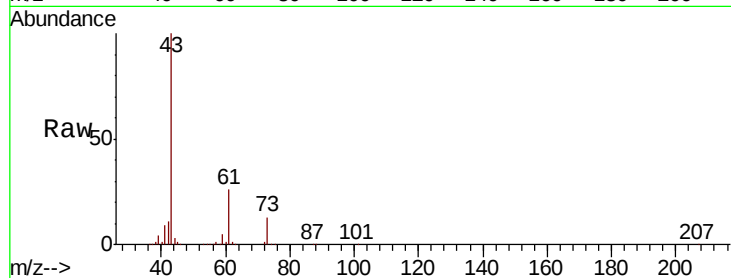




#48
Methvl methacrylate
Concen: 23.208 ug/l
RT: 6.70 min Scan# 1720
Delta R.T. 0.08 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

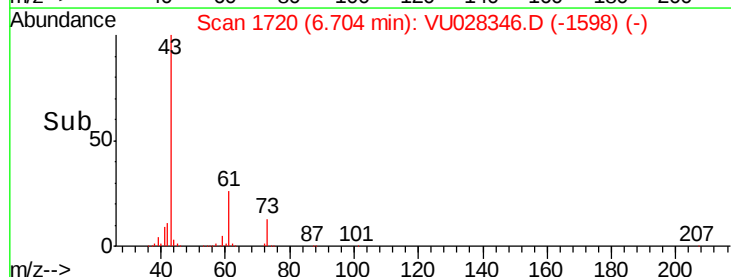
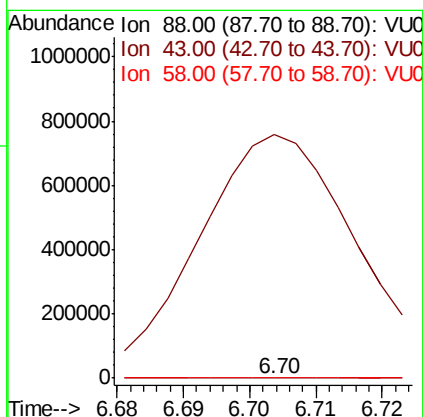
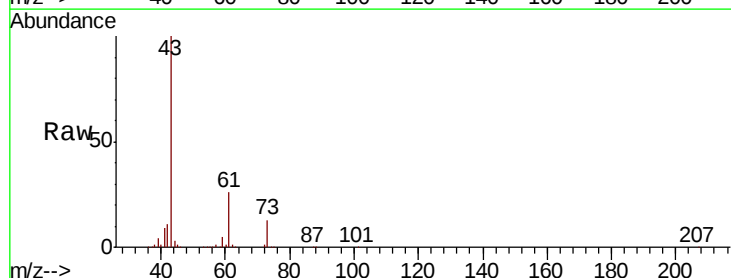
Instrument :
MSVOA_U
ClientSampleId :

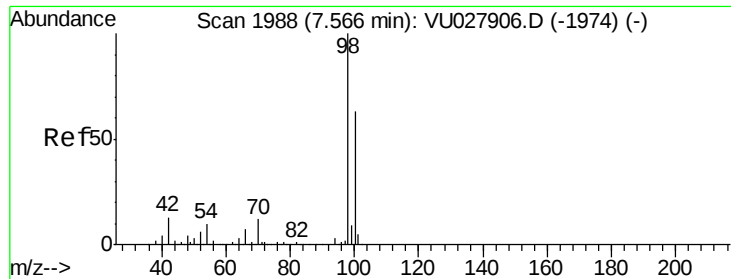
Tot Ion: 41 Resp: 117032
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 51.2 40.0 60.0



#49
1,4-Dioxane
Concen: 1.082 ug/l
RT: 6.70 min Scan# 1720
Delta R.T. 0.09 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 1482185.4 30.5 45.7#
58 6030.3 67.1 100.7#

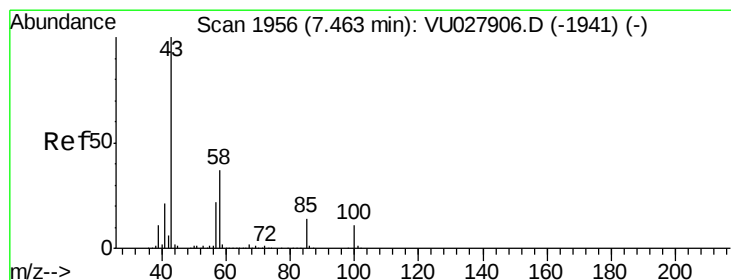
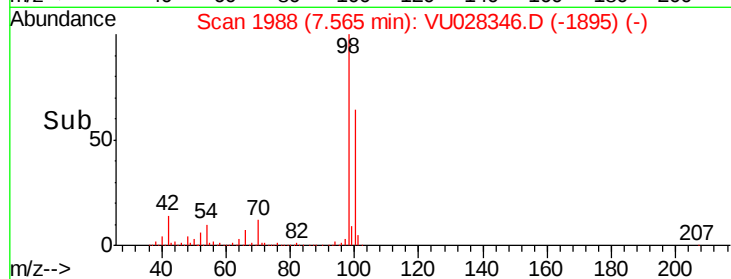
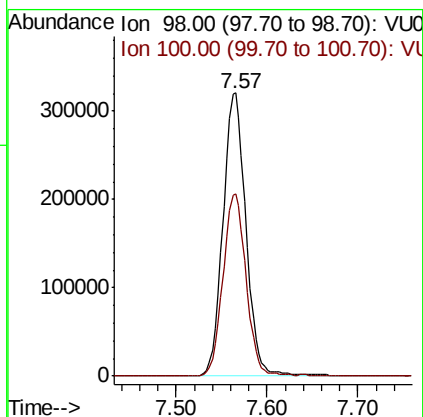
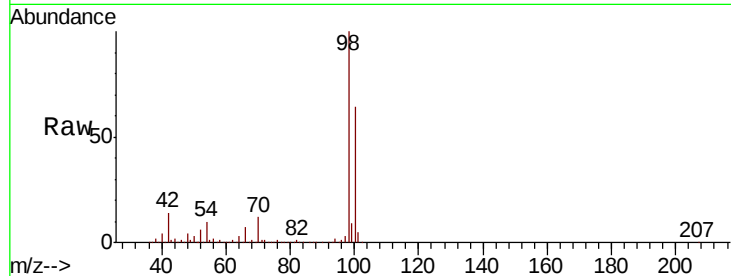




#50
Toluene-d8
Concen: 54.075 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

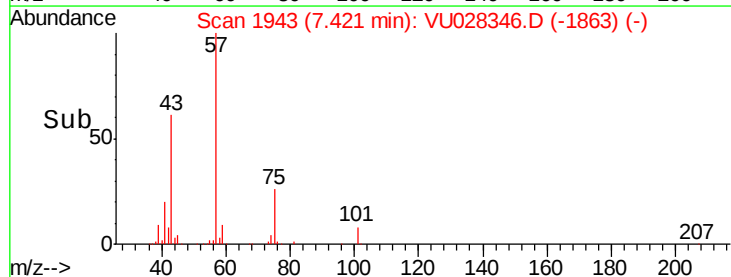
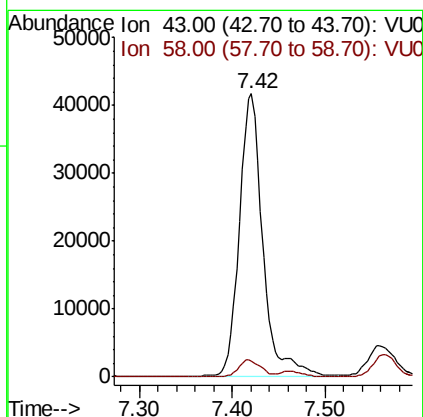
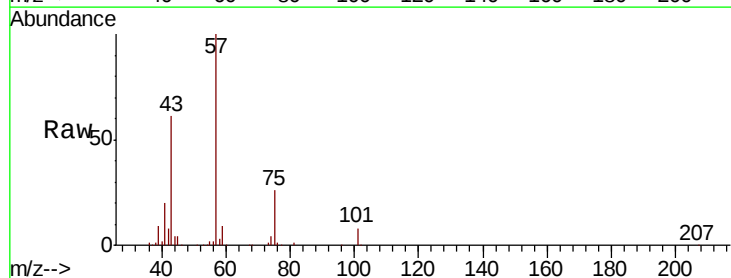
Instrument :
MSVOA_U
ClientSampleId :

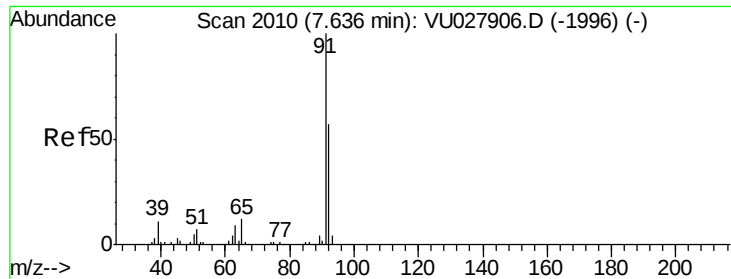
Tot Ion: 98 Resp: 563718
Ion Ratio Lower Upper
98 100
100 64.3 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 10.788 ug/l
RT: 7.42 min Scan# 1943
Delta R.T. -0.04 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Tgt Ion: 43 Resp: 74136
Ion Ratio Lower Upper
43 100
58 5.7 29.5 44.3#





#52

Toluene

Concen: 29.085 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028346.D

Acq: 27 Nov 2018 19:25

Instrument :

MSVOA_U

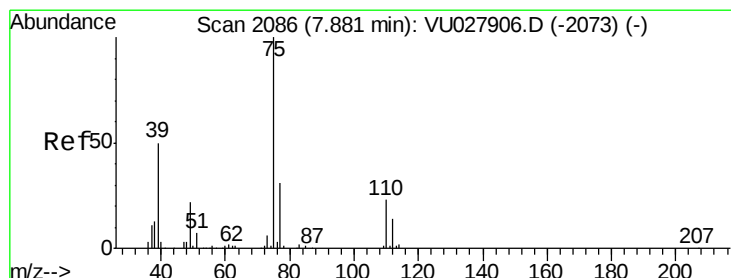
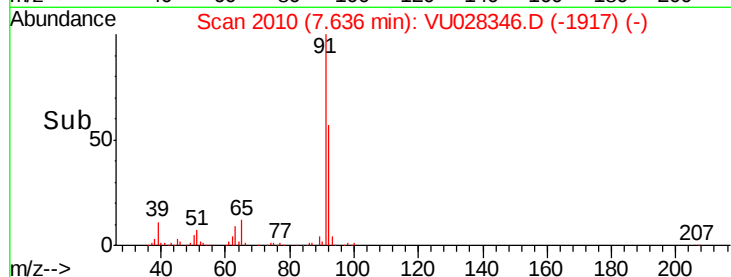
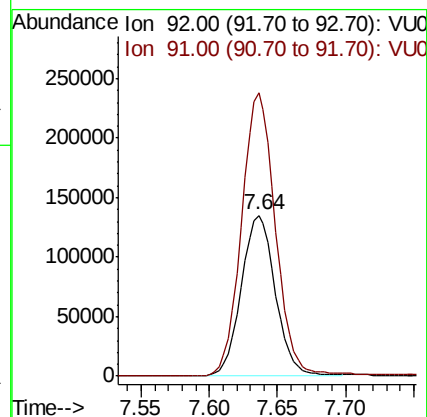
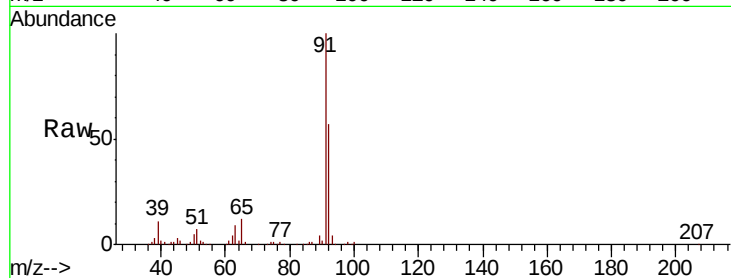
ClientSampleId :

Tot Ion: 92 Resp: 234348

Ion Ratio Lower Upper

92 100

91 176.2 141.2 211.8



#53

t-1,3-Dichloropropene

Concen: 1.147 ug/l

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU028346.D

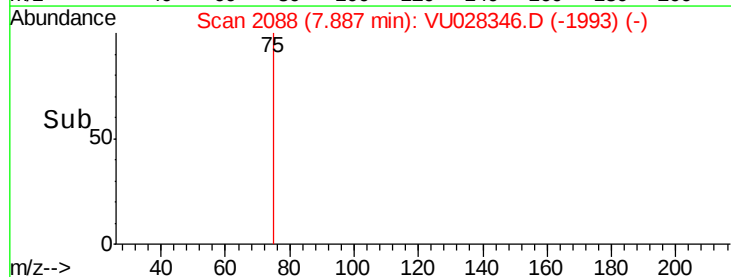
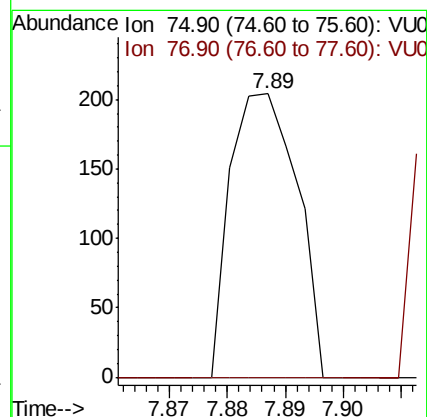
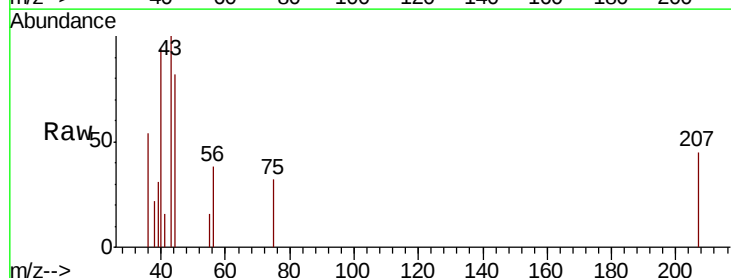
Acq: 27 Nov 2018 19:25

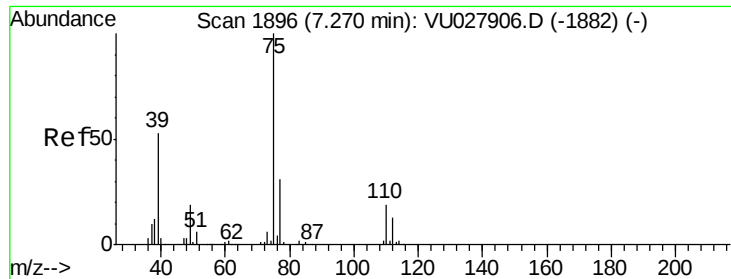
Tgt Ion: 75 Resp: 163

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

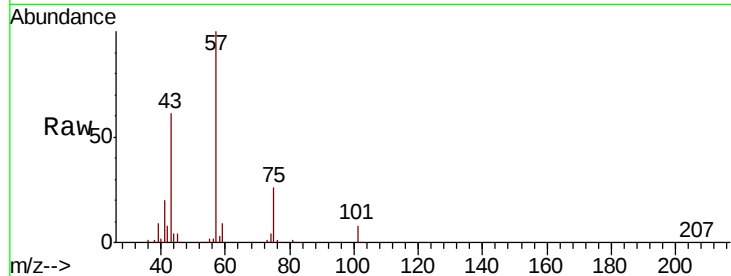




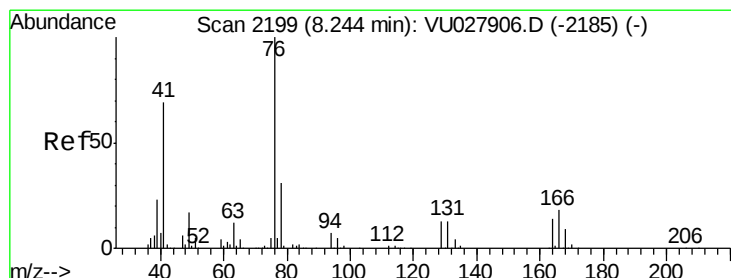
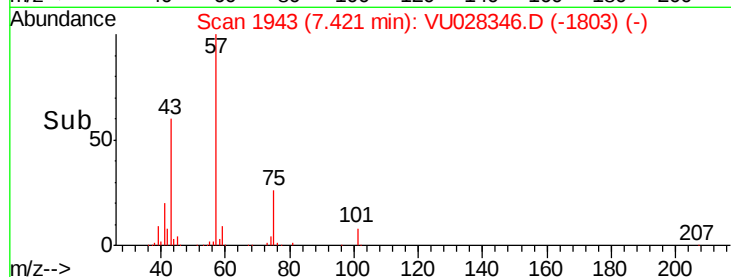
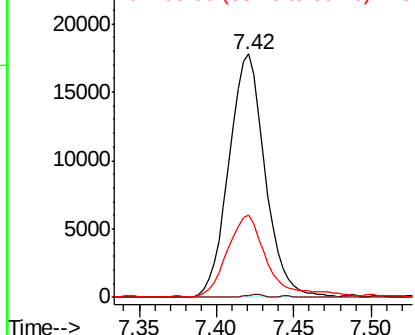
#54
 cis-1,3-Dichloropropene
 Concen: 5.347 ug/l
 RT: 7.42 min Scan# 1943
 Delta R.T. 0.15 min
 Lab File: VU028346.D
 Acq: 27 Nov 2018 19:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 28860
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.6 37.0#
 39 33.8 42.6 64.0#

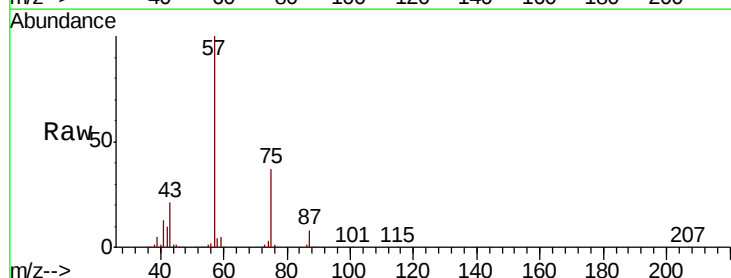


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0
 Ion 39.00 (38.70 to 39.70): VU0

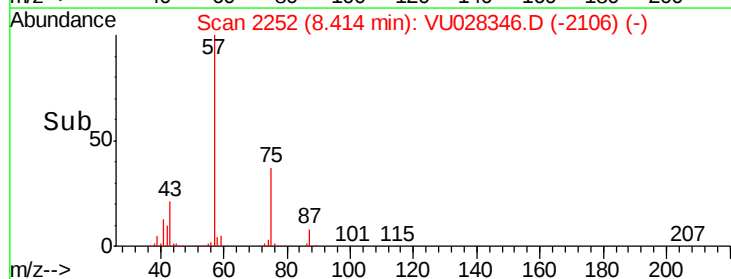
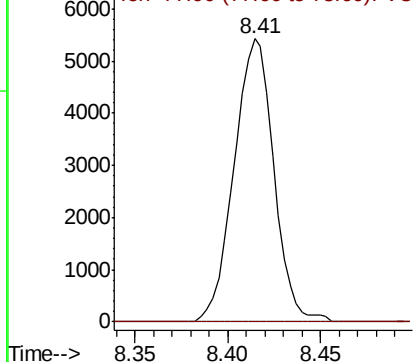


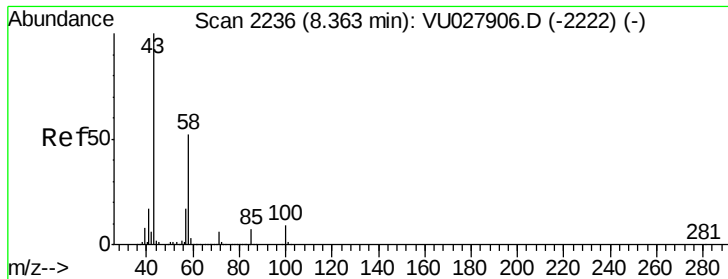
#57
 1,3-Dichloropropane
 Concen: 1.349 ug/l
 RT: 8.41 min Scan# 2252
 Delta R.T. 0.17 min
 Lab File: VU028346.D
 Acq: 27 Nov 2018 19:25

Tgt Ion: 76 Resp: 8058
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#



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





#59

2-Hexanone

Concen: 23.749 ug/l

RT: 8.41 min Scan# 2252

Delta R.T. 0.05 min

Lab File: VU028346.D

Acq: 27 Nov 2018 19:25

Instrument :

MSVOA_U

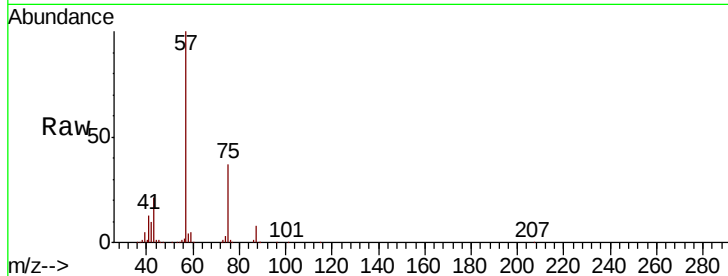
ClientSampleId :

Tot Ion: 43 Resp: 126231

Ion Ratio Lower Upper

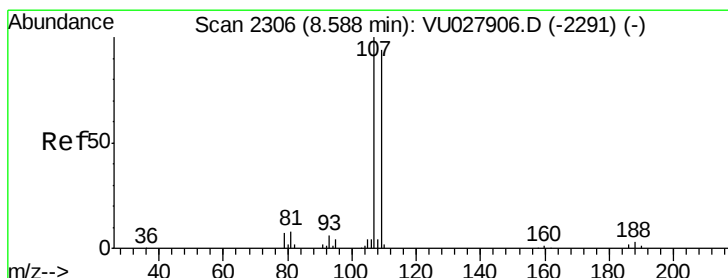
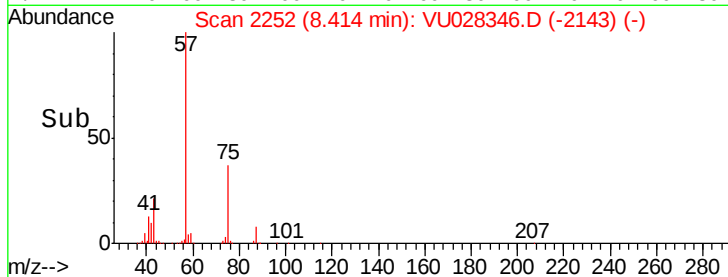
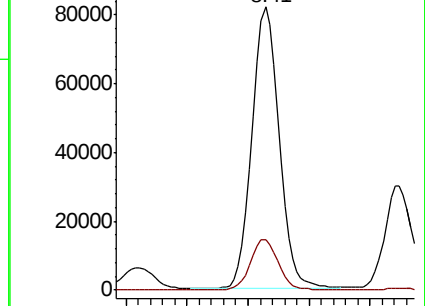
43 100

58 18.4 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) (-)



#61

1,2-Dibromoethane

Concen: 0.331 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU028346.D

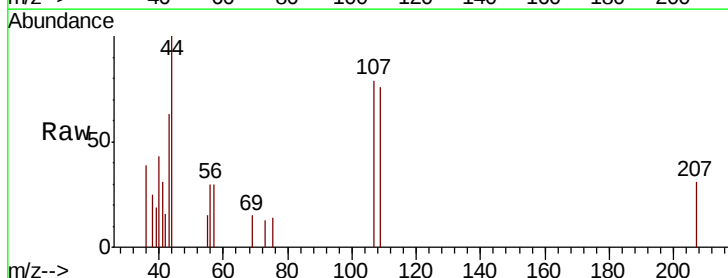
Acq: 27 Nov 2018 19:25

Tgt Ion:107 Resp: 1154

Ion Ratio Lower Upper

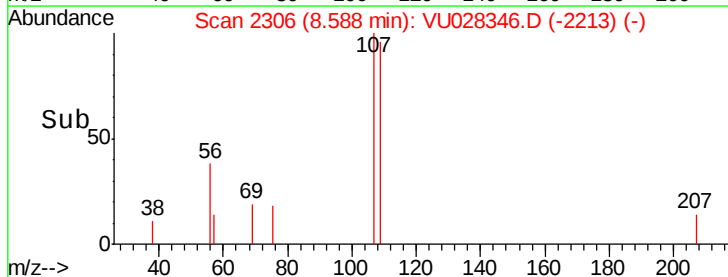
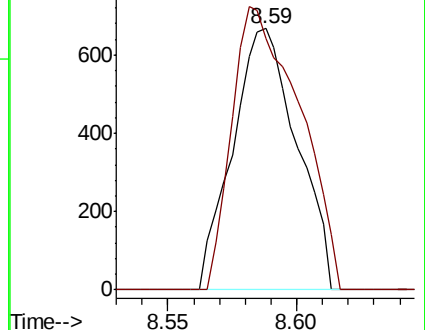
107 100

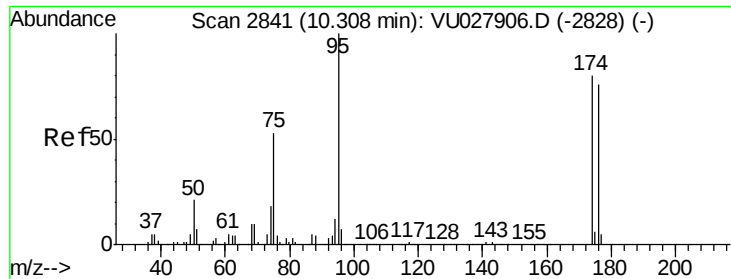
109 114.7 73.8 110.8#



Abundance Ion 106.90 (106.60 to 107.60): VU027906.D (-2291) (-)

Ion 108.80 (108.50 to 109.50): VU027906.D (-2291) (-)

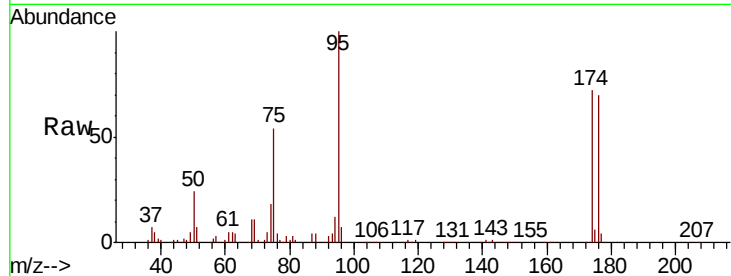




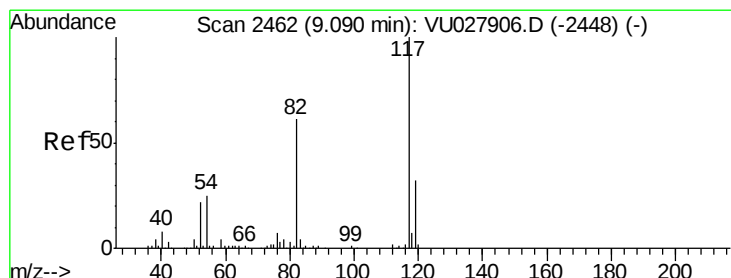
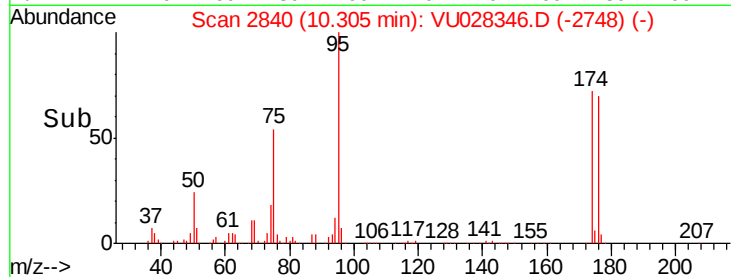
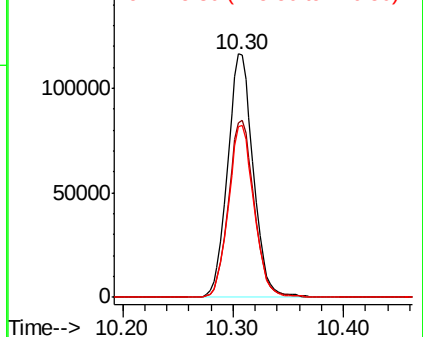
#62
4-Bromofluorobenzene
Concen: 48.786 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 187590
Ion Ratio Lower Upper
95 100
174 72.9 0.0 156.4
176 70.3 0.0 150.8

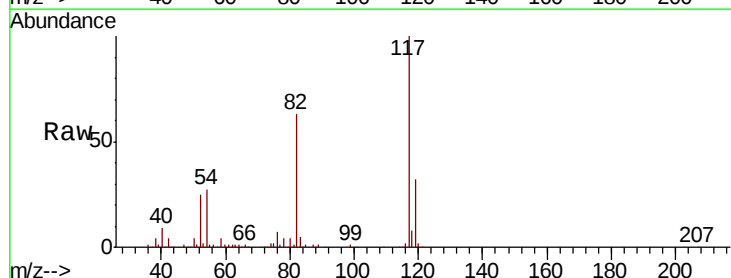


Abundance Ion 94.90 (94.60 to 95.60): VU028346.D (-2828) (-)
Ion 173.80 (173.50 to 174.50): VU028346.D (-2828) (-)
Ion 175.80 (175.50 to 176.50): VU028346.D (-2828) (-)

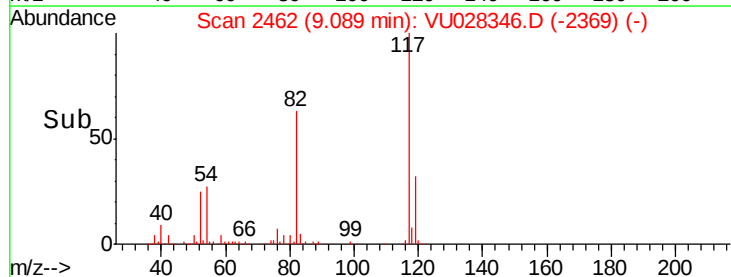
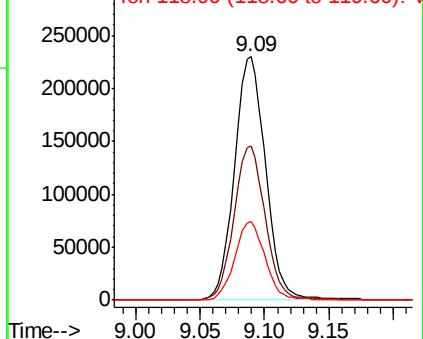


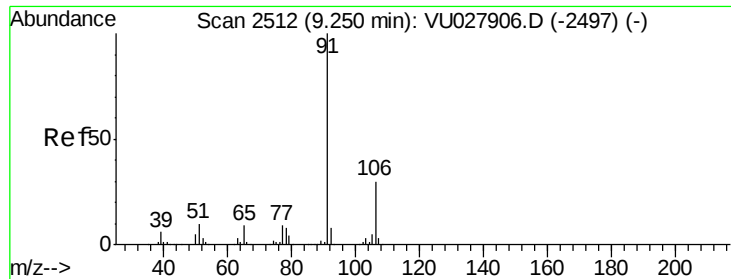
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Tgt Ion: 117 Resp: 386325
Ion Ratio Lower Upper
117 100
82 63.3 48.6 73.0
119 32.2 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VU028346.D (-2448) (-)
Ion 82.00 (81.70 to 82.70): VU028346.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): VU028346.D (-2448) (-)





#67

Ethyl Benzene

Concen: 5.949 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU028346.D

Acq: 27 Nov 2018 19:25

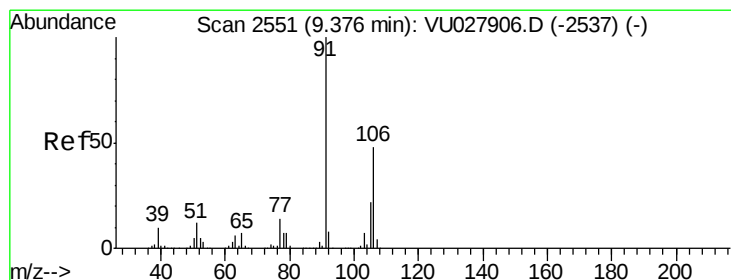
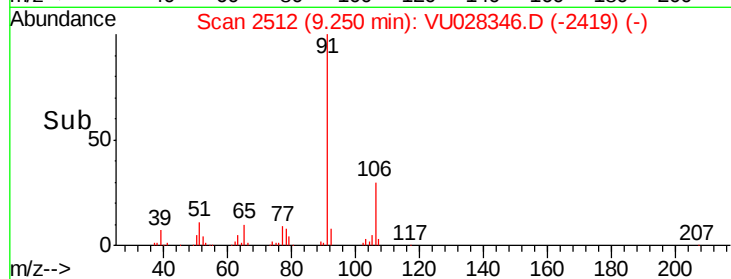
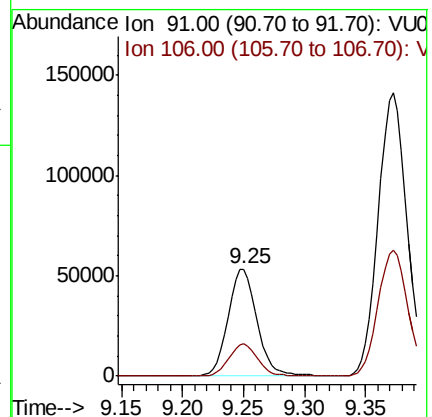
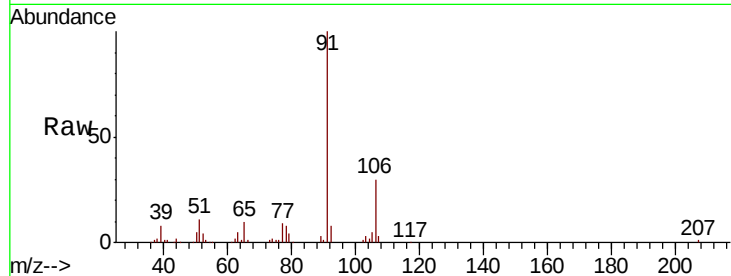
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 89370

Ion Ratio Lower Upper

91 100

106 30.3 23.6 35.4



#68

m/p-Xylenes

Concen: 19.553 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028346.D

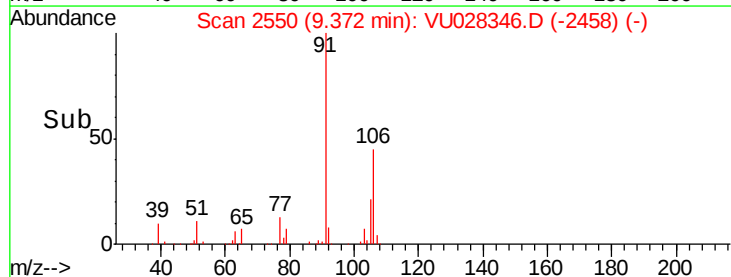
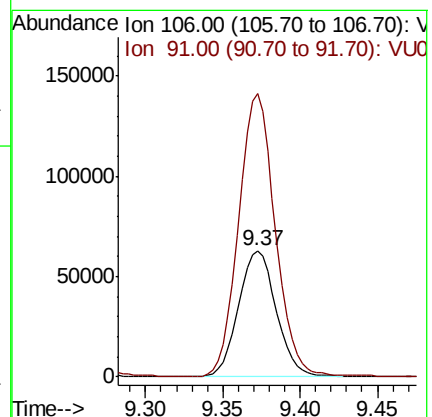
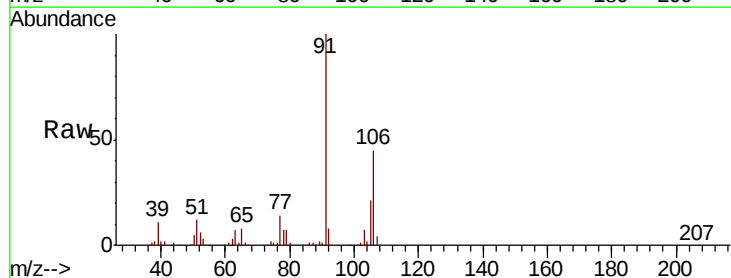
Acq: 27 Nov 2018 19:25

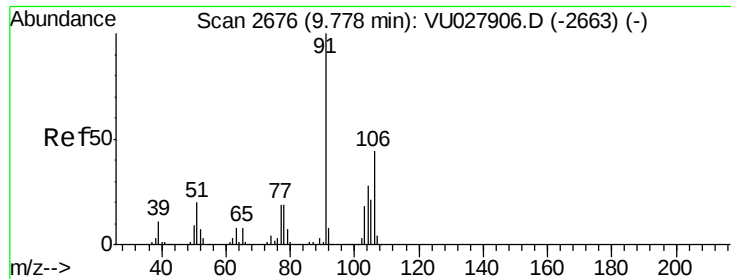
Tgt Ion: 106 Resp: 106587

Ion Ratio Lower Upper

106 100

91 215.8 168.2 252.4

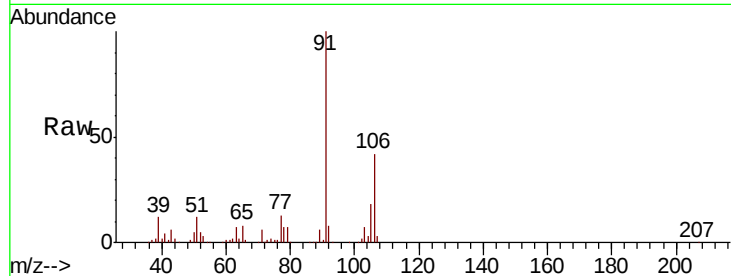




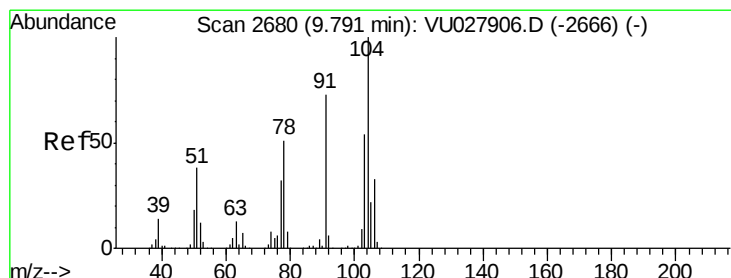
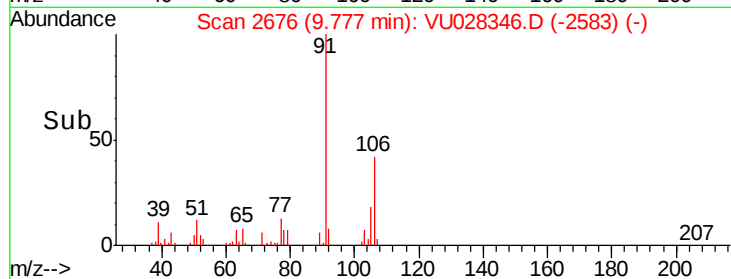
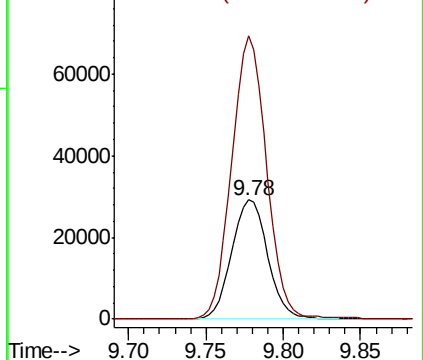
#69
o-Xylene
Concen: 8.532 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 46962
Ion Ratio Lower Upper
106 100
91 230.4 111.1 333.4

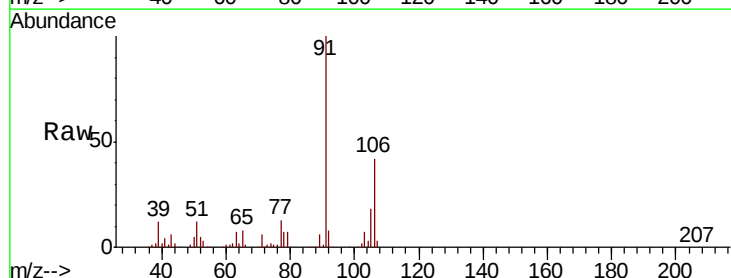


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

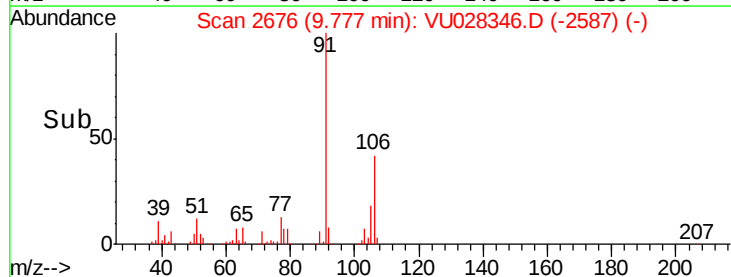
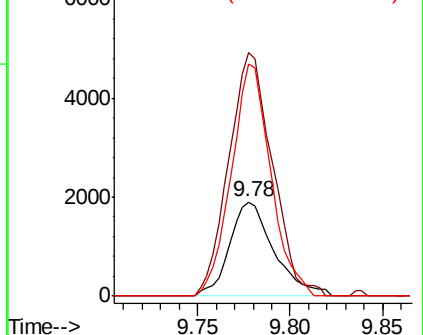


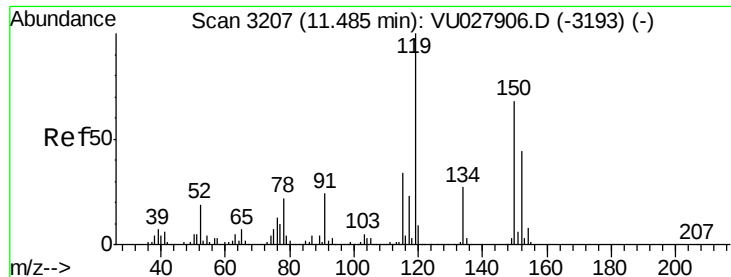
#70
Styrene
Concen: 0.360 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.01 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Tgt Ion:104 Resp: 3162
Ion Ratio Lower Upper
104 100
78 254.1 43.0 64.4#
103 219.2 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



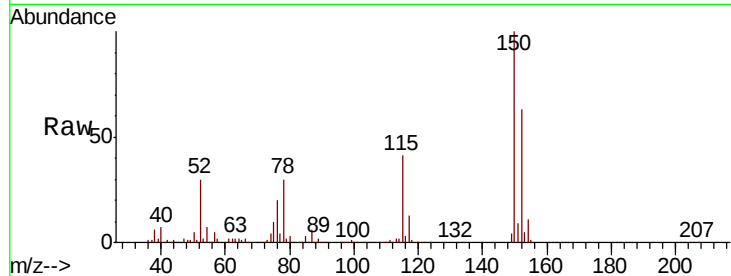


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	63.1	43.0	129.0
150	158.1	0.0	349.4

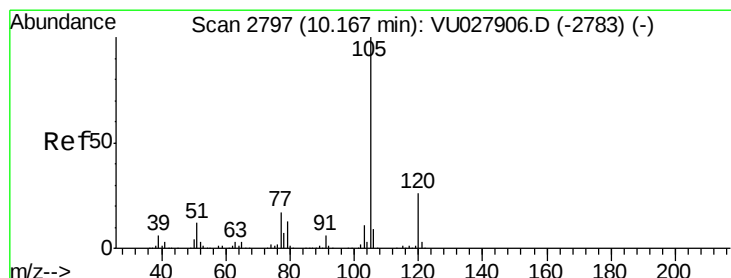
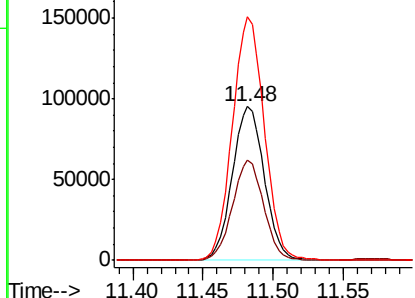
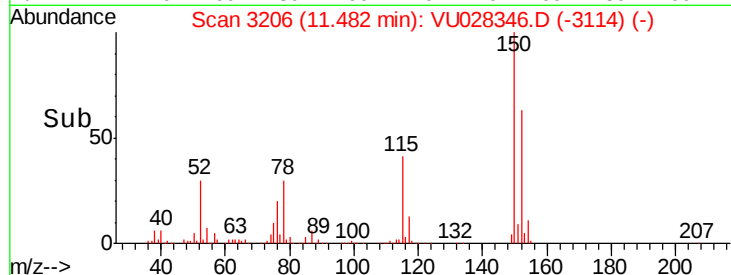


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

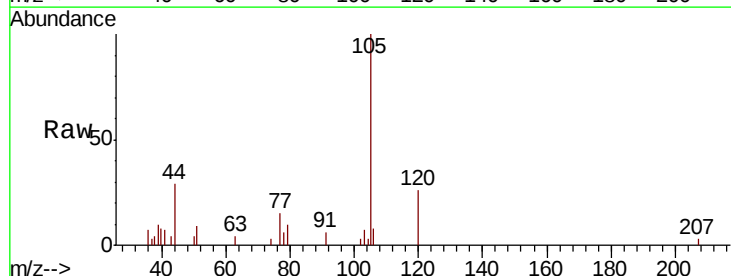
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 0.514 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. -0.00 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

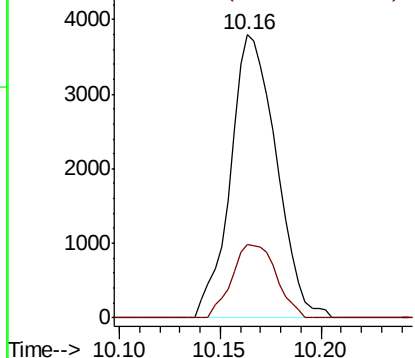
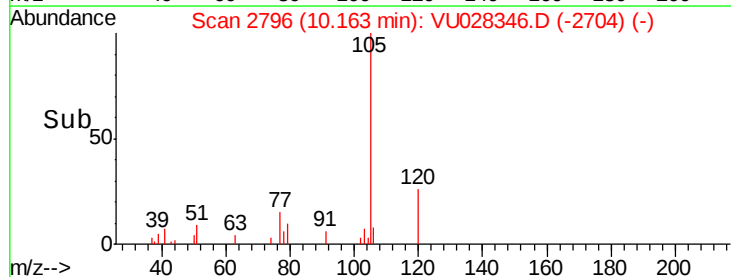
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.7	38.0

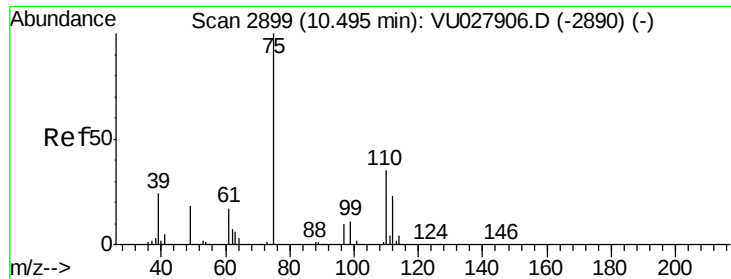


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

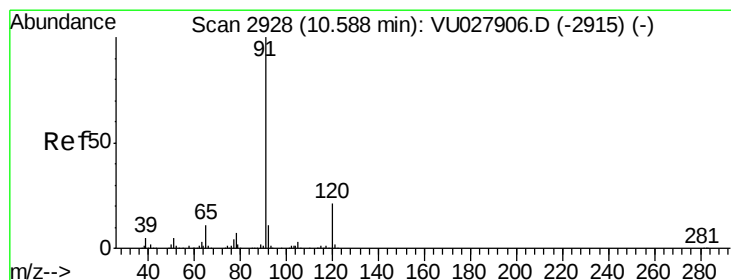
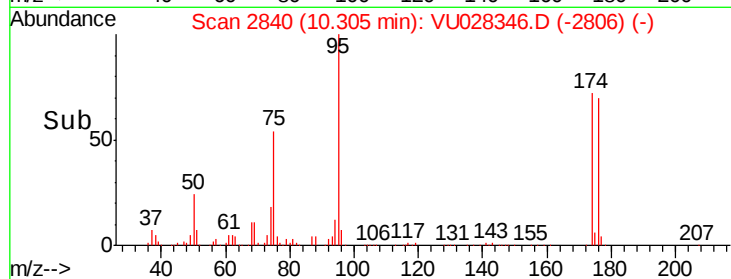
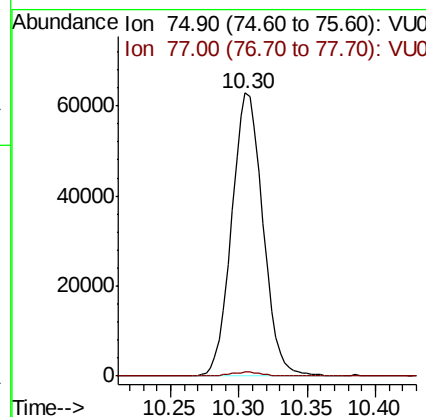
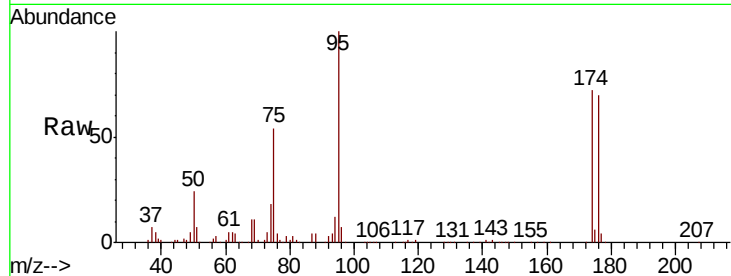




#76
 1,2,3-Trichloropropane
 Concen: 24.152 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028346.D
 Acq: 27 Nov 2018 19:25

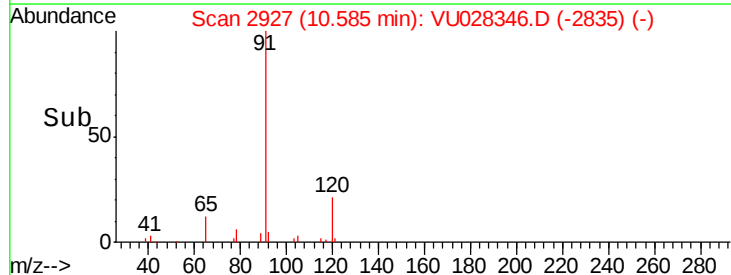
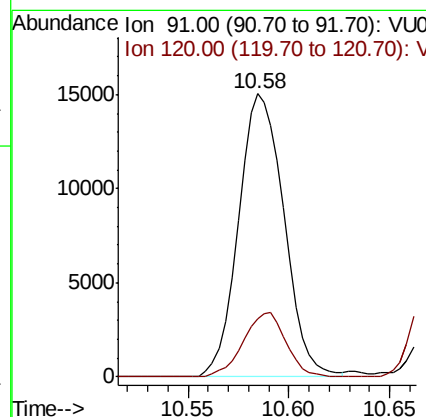
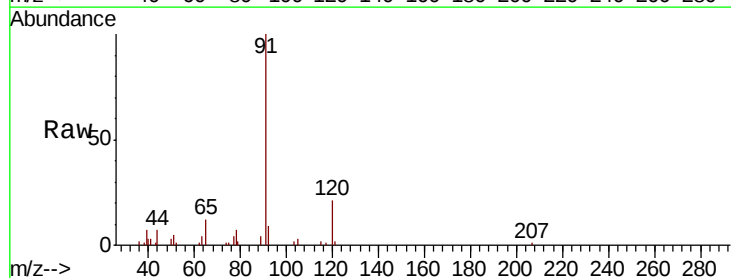
Instrument :
 MSVOA_U
 ClientSampleId :

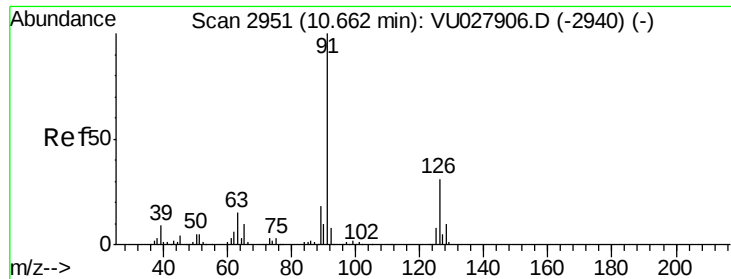
Tot Ion: 75 Resp: 100125
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.6 64.6#



#78
 n-propylbenzene
 Concen: 1.690 ug/l
 RT: 10.58 min Scan# 2927
 Delta R.T. -0.00 min
 Lab File: VU028346.D
 Acq: 27 Nov 2018 19:25

Tgt Ion: 91 Resp: 23756
 Ion Ratio Lower Upper
 91 100
 120 21.3 10.6 31.8

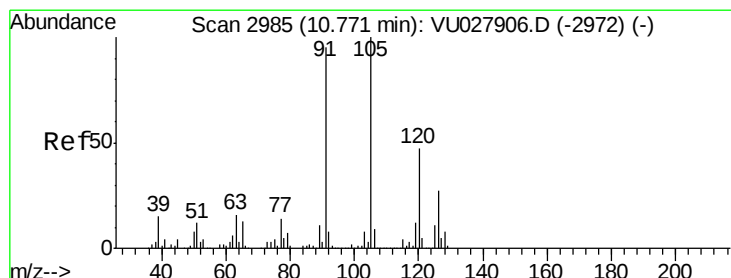
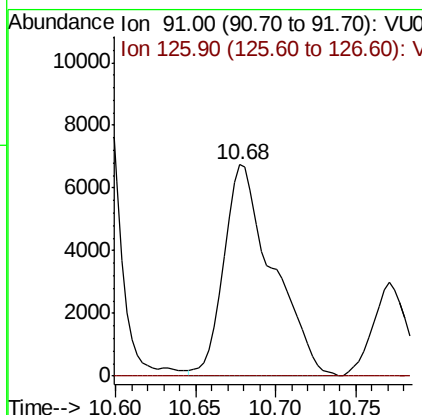
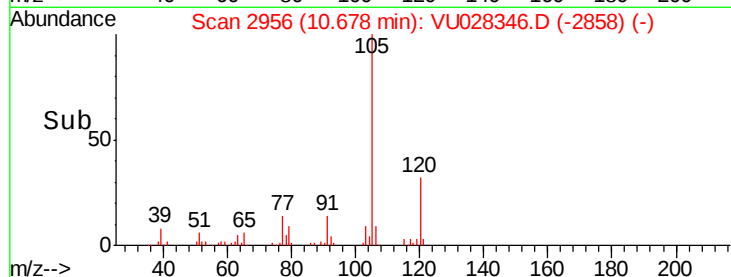
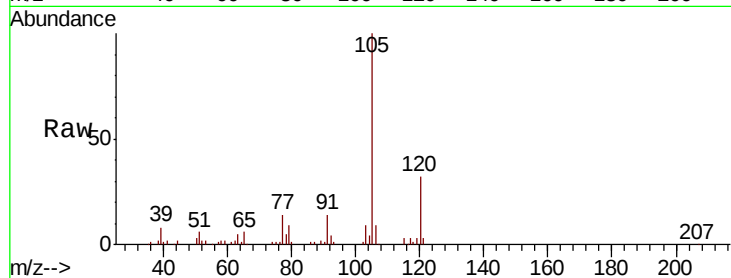




#79
 2-Chlorotoluene
 Concen: 1.682 ug/l
 RT: 10.68 min Scan# 2956
 Delta R.T. 0.02 min
 Lab File: VU028346.D
 Acq: 27 Nov 2018 19:25

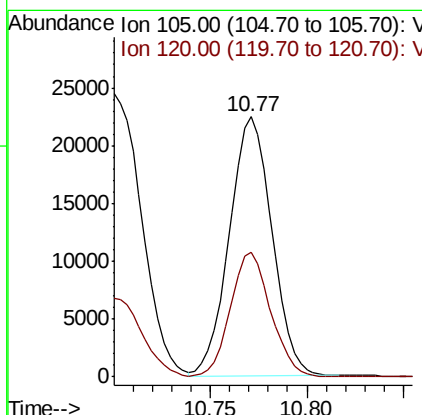
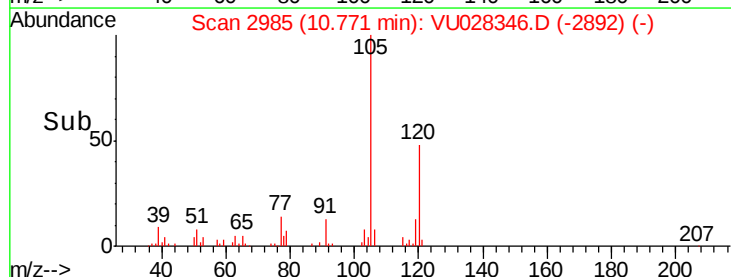
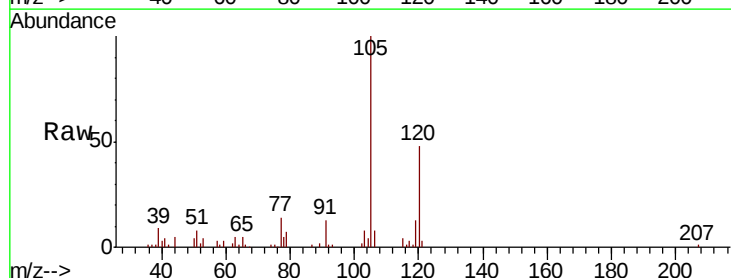
Instrument :
 MSVOA_U
 ClientSampleId :

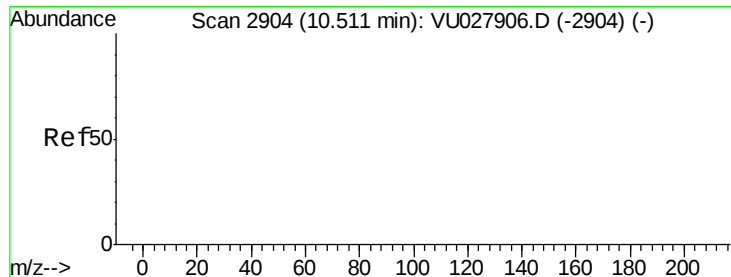
Tot Ion: 91 Resp: 14172
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.0 47.9#



#80
 1,3,5-Trimethylbenzene
 Concen: 3.532 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028346.D
 Acq: 27 Nov 2018 19:25

Tgt Ion: 105 Resp: 34353
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 60.248 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028346.D

Acq: 27 Nov 2018 19:25

Instrument :

MSVOA_U

ClientSampleId :

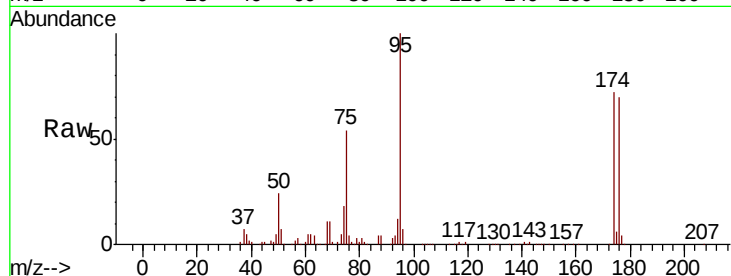
Tot Ion: 75 Resp: 100125

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

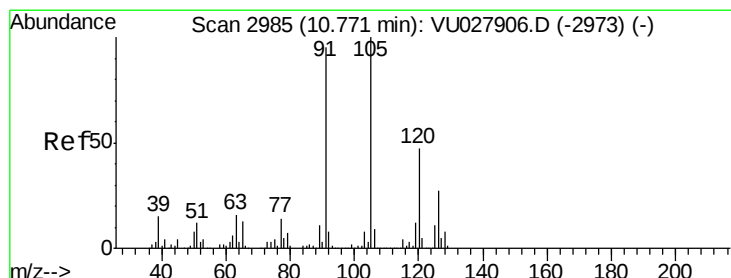
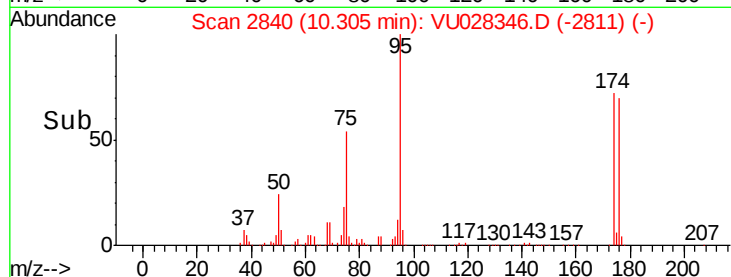
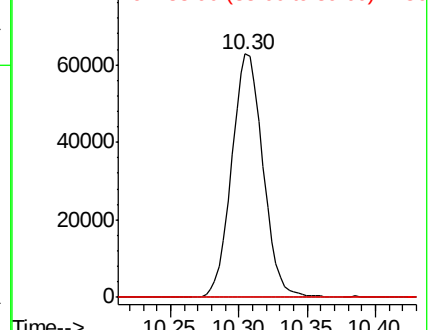
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 0.455 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028346.D

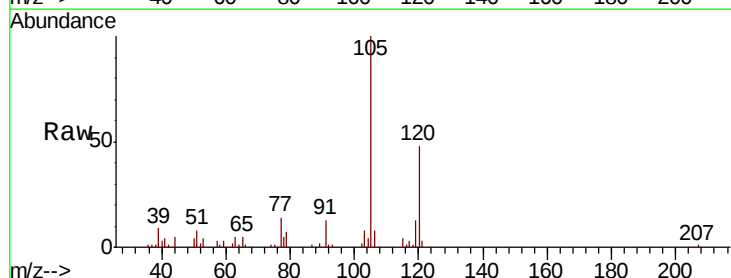
Acq: 27 Nov 2018 19:25

Tgt Ion: 91 Resp: 4348

Ion Ratio Lower Upper

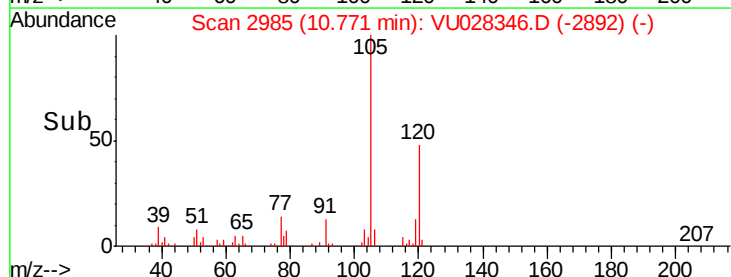
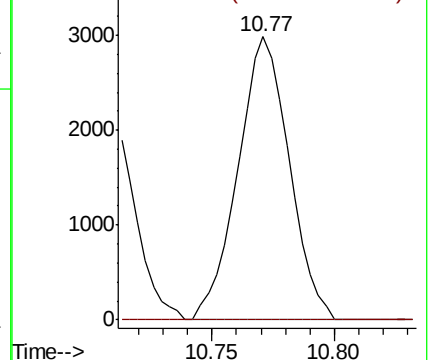
91 100

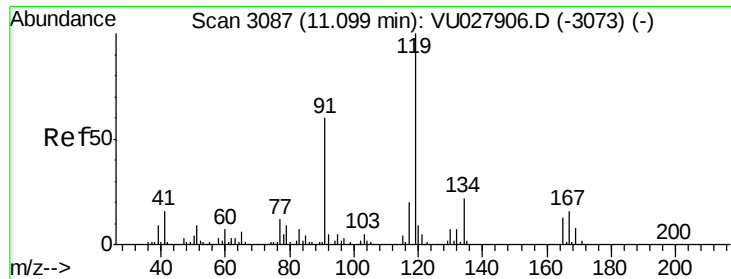
126 0.0 14.2 42.6#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

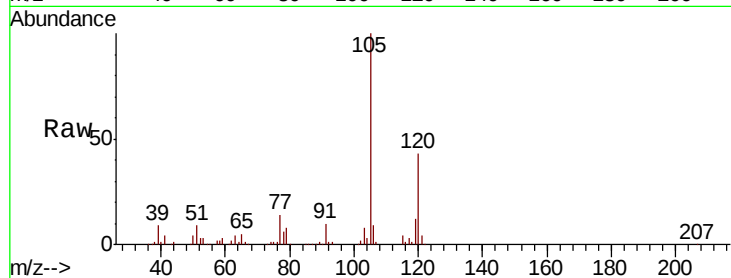




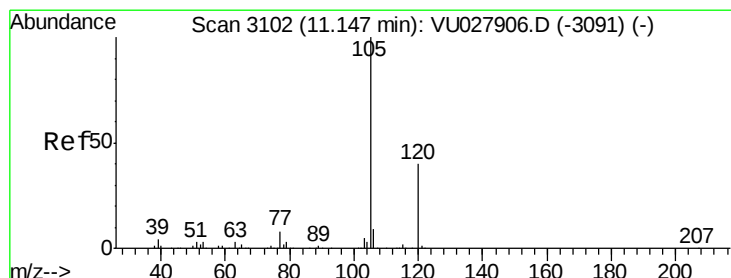
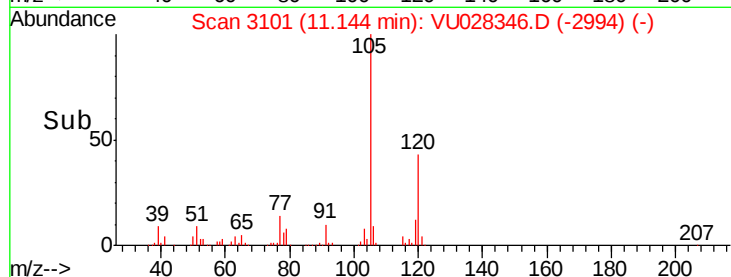
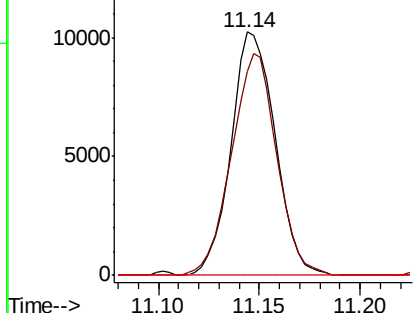
#83
tert-Butylbenzene
Concen: 1.618 ug/l
RT: 11.14 min Scan# 3101
Delta R.T. 0.04 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:119 Resp: 15729
Ion Ratio Lower Upper
119 100
91 93.3 29.8 89.3#
134 0.0 11.1 33.1#

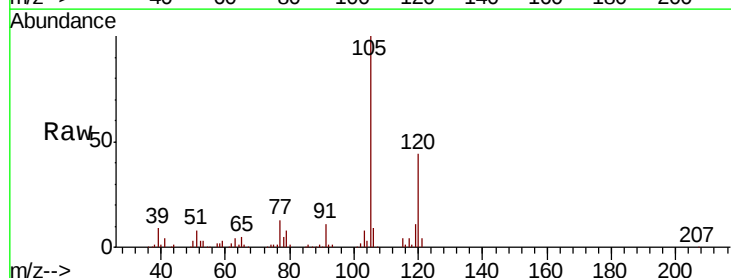


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU0
Ion 134.00 (133.70 to 134.70): V

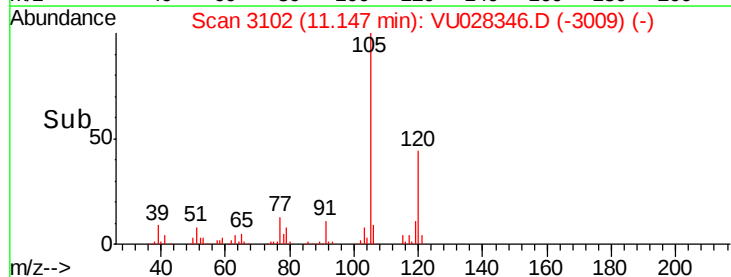
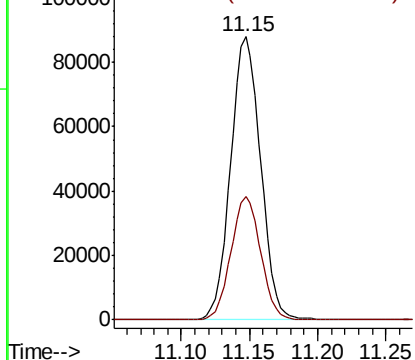


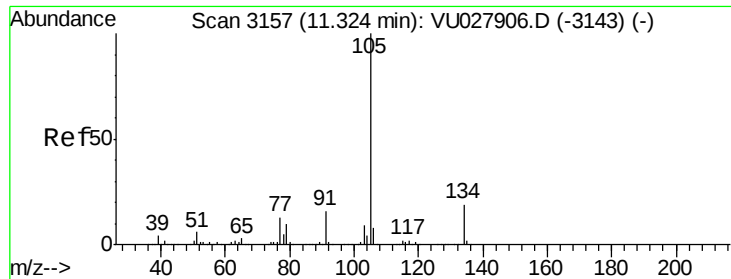
#84
1,2,4-Trimethylbenzene
Concen: 13.713 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Tgt Ion:105 Resp: 134303
Ion Ratio Lower Upper
105 100
120 43.0 22.1 66.1



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

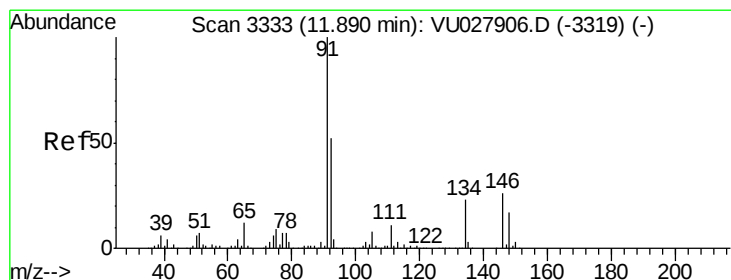
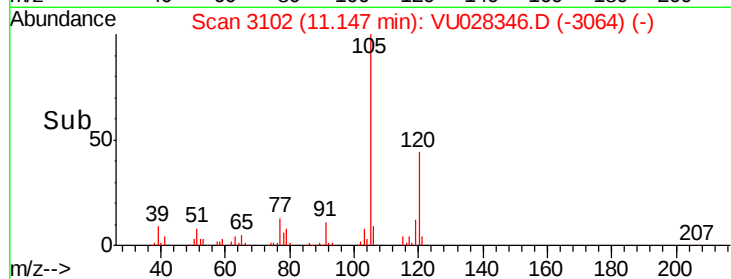
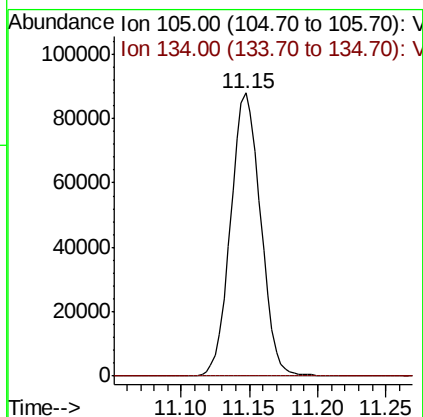
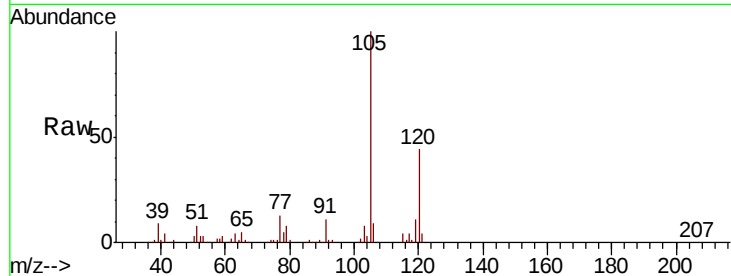




#85
 sec-Butylbenzene
 Concen: 11.357 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.18 min
 Lab File: VU028346.D
 Acq: 27 Nov 2018 19:25

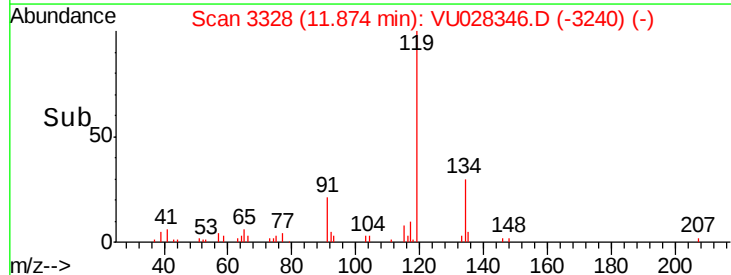
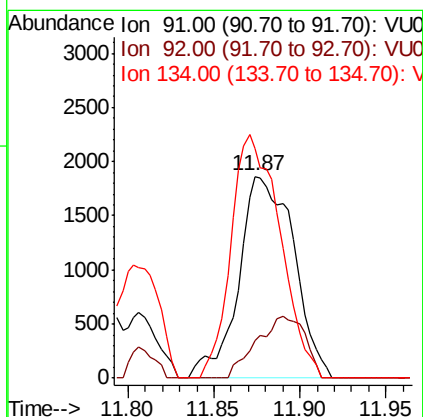
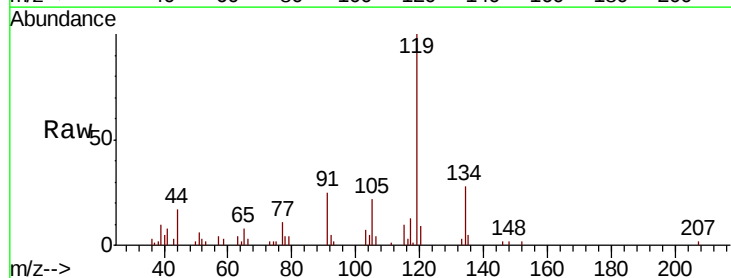
Instrument :
 MSVOA_U
 ClientSampled :

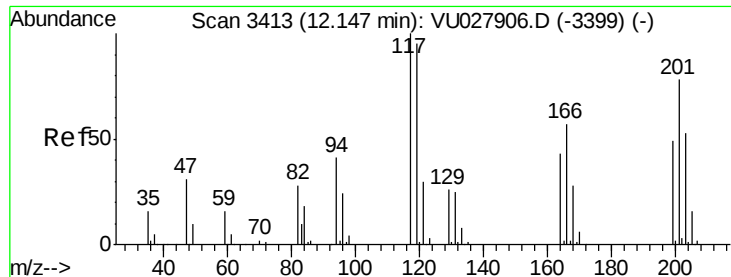
Tot Ion:105 Resp: 134303
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.2 27.6#



#89
 n-Butylbenzene
 Concen: 0.441 ug/l
 RT: 11.87 min Scan# 3328
 Delta R.T. -0.02 min
 Lab File: VU028346.D
 Acq: 27 Nov 2018 19:25

Tgt Ion: 91 Resp: 4144
 Ion Ratio Lower Upper
 91 100
 92 26.9 26.2 78.5
 134 107.8 11.5 34.5#

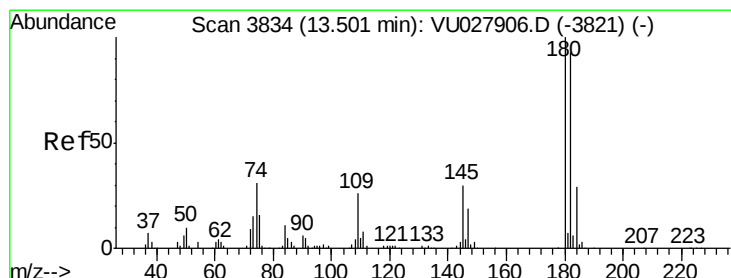
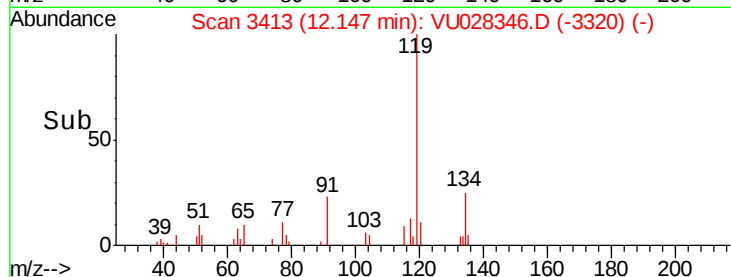
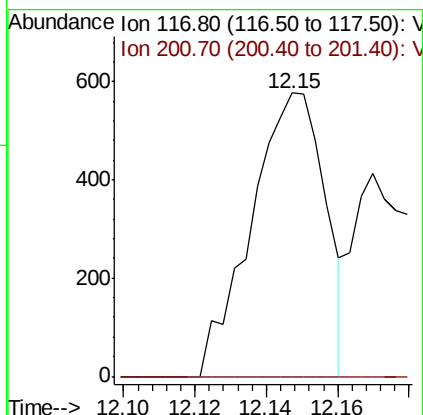
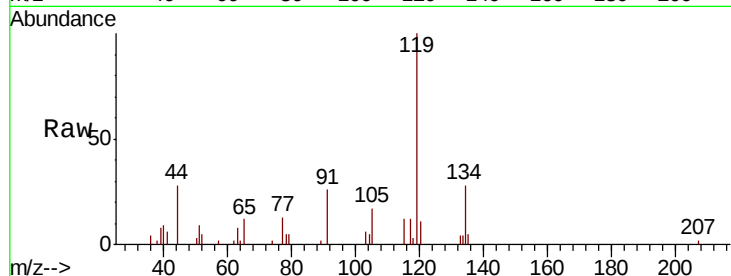




#90
Hexachloroethane
Concen: 0.470 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

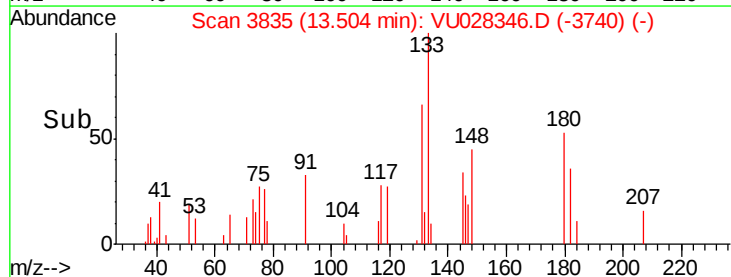
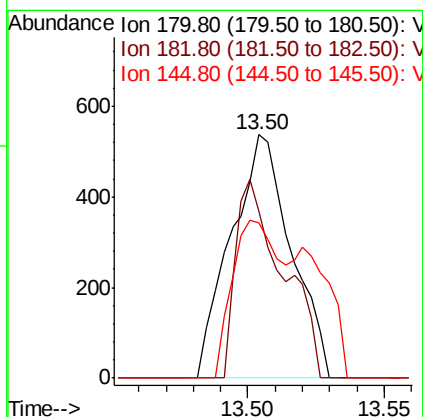
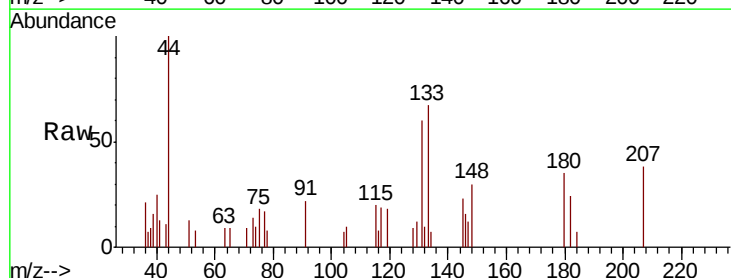
Instrument :
MSVOA_U
ClientSampleId :

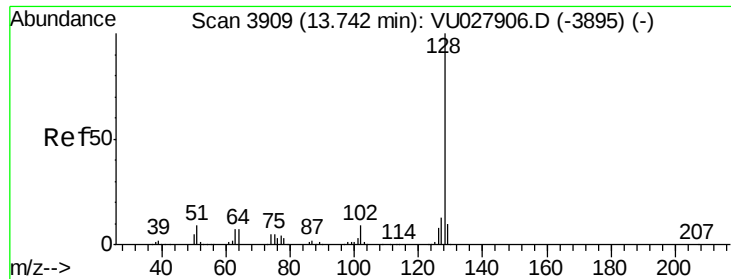
Tot Ion:117 Resp: 828
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.915 ug/l
RT: 13.50 min Scan# 3835
Delta R.T. 0.00 min
Lab File: VU028346.D
Acq: 27 Nov 2018 19:25

Tgt Ion:180 Resp: 820
Ion Ratio Lower Upper
180 100
182 64.3 48.4 145.2
145 51.5 14.9 44.5#





#95

Naphthalene

Concen: 5.715 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028346.D

Acq: 27 Nov 2018 19:25

Instrument :

MSVOA_U

ClientSampleId :

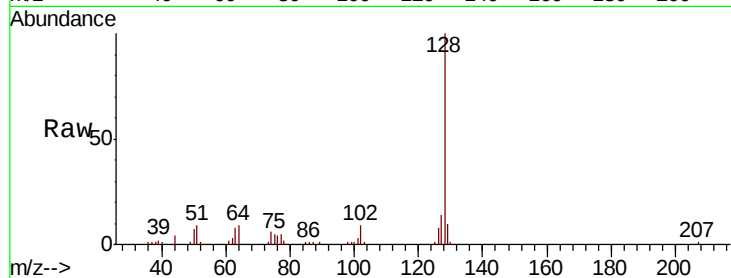
Tot Ion:128 Resp: 73045

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.8 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

