

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110918\
 Data File : VU028043.D
 Acq On : 09 Nov 2018 14:37
 Operator : MD/SY
 Sample : J5885-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

Quant Time: Nov 12 06:15:19 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	4.99	168	189525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	374578	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	394426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	195193	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	161081	57.17	ug/l	0.00
Spiked Amount			Recovery	=	114.34%	
35) Dibromofluoromethane	4.88	113	118973	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
50) Toluene-d8	7.58	98	508339	55.72	ug/l	0.00
Spiked Amount			Recovery	=	111.44%	
62) 4-Bromofluorobenzene	10.31	95	202326	60.13	ug/l	0.00
Spiked Amount			Recovery	=	120.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	323781	112.006	ug/l	100
6) Chloroethane	1.40	64	78720	47.255	ug/l #	42
9) 1,1,2-Trichlorotrifluoroet	2.29	101	1575	0.794	ug/l	93
11) Tert butyl alcohol	2.83	59	714	0.957	ug/l #	73
12) 1,1-Dichloroethene	2.29	96	7455	3.753	ug/l	87
13) Acrolein	2.20	56	161	Below Cal	#	71
14) Allyl chloride	2.44	41	6046	1.245	ug/l #	67
16) Acetone	2.32	43	12290	7.030	ug/l	94
18) Methyl Acetate	2.63	43	1041	0.216	ug/l #	58
19) Methyl tert-butyl Ether	3.00	73	5889	0.735	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	16336	7.126	ug/l	99
25) 2-Butanone	4.27	43	701	0.252	ug/l #	1
27) cis-1,2-Dichloroethene	4.23	96	4490862	1747.036	ug/l	90
30) Chloroform	4.68	83	4495	0.982	ug/l	97
31) Cyclohexane	4.99	56	4636	Below Cal	#	1
32) 1,1,1-Trichloroethane	4.92	97	8086	2.219	ug/l	92
36) 1,1-Dichloropropene	4.99	75	17693	4.510	ug/l #	49
38) Carbon Tetrachloride	5.13	117	1541	0.443	ug/l #	83
39) Methylcyclohexane	6.19	83	27657	5.845	ug/l #	1
44) Trichloroethene	6.19	130	2017258	782.419	ug/l	99
45) 1,2-Dichloropropane	6.19	63	7412	2.143	ug/l #	1
51) 4-Methyl-2-Pentanone	7.48	43	1997	0.332	ug/l #	57
52) Toluene	7.65	92	46722	6.626	ug/l	100
53) t-1,3-Dichloropropene	7.65	75	111	1.141	ug/l #	1
55) 1,1,2-Trichloroethane	8.31	97	1966384	685.432	ug/l #	5
65) Chlorobenzene	9.13	112	21691	2.603	ug/l	89
66) 1,1,1,2-Tetrachloroethane	9.22	131	55185	19.388	ug/l	98
67) Ethyl Benzene	9.26	91	39416	2.570	ug/l	100
68) m/p-Xylenes	9.38	106	33084	5.944	ug/l	95
69) o-Xylene	9.78	106	41649	7.411	ug/l	98
70) Styrene	9.78	104	2969	0.331	ug/l #	1
73) Isopropylbenzene	10.17	105	61042	4.037	ug/l	100
76) 1,2,3-Trichloropropane	10.31	75	106480	19.943	ug/l #	33
78) n-propylbenzene	10.59	91	130126	7.189	ug/l	99

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 Quant Title : SW846 8260
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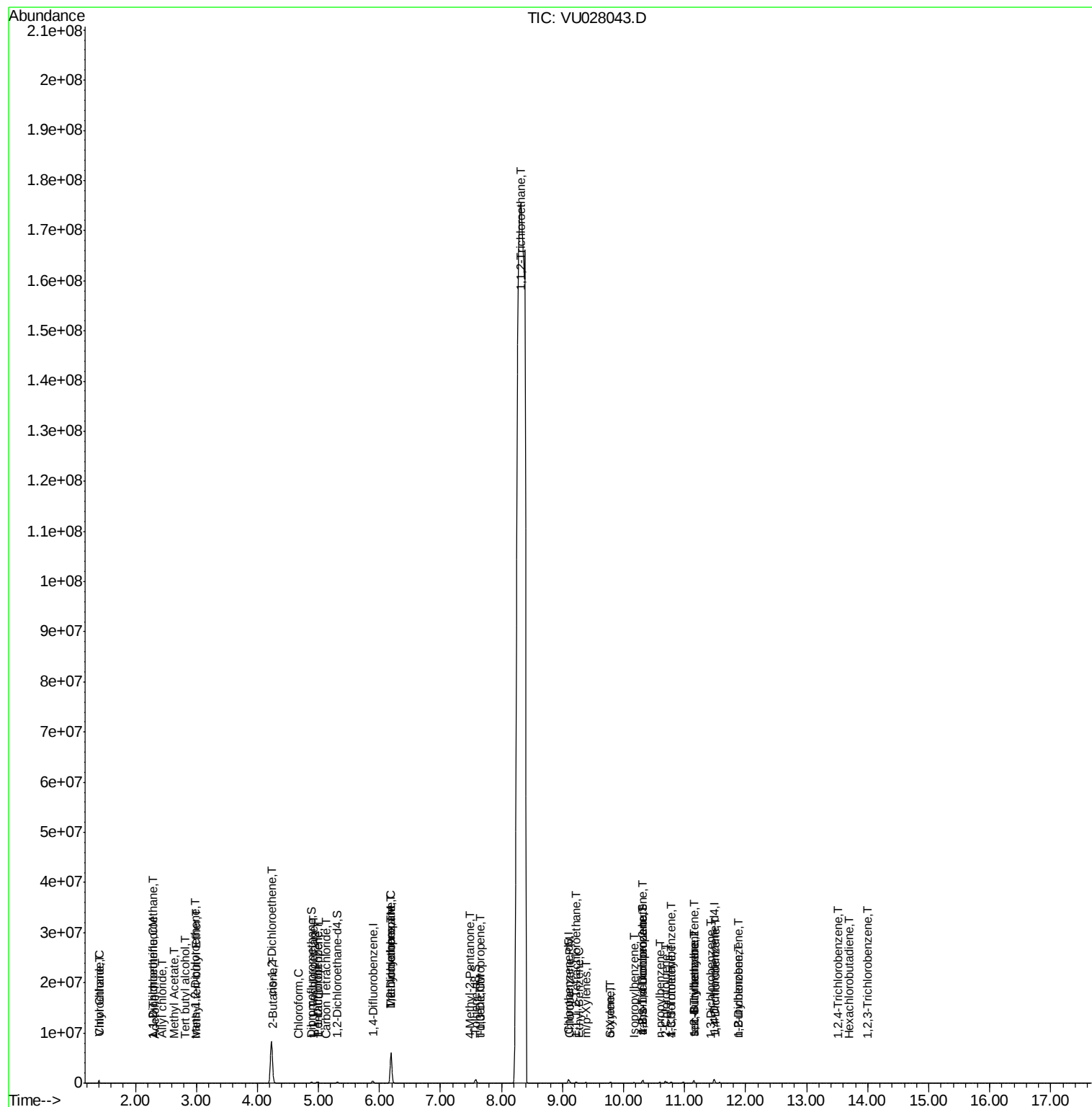
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	10.68	91	46785	4.312	ug/l #	49
80) 1,3,5-Trimethylbenzene	10.77	105	107608	8.590	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.31	75	106480	49.796	ug/l #	100
82) 4-Chlorotoluene	10.77	91	13360	1.085	ug/l #	53
83) tert-Butylbenzene	11.15	119	33450	2.671	ug/l #	60
84) 1,2,4-Trimethylbenzene	11.15	105	280230	22.216	ug/l	100
85) sec-Butylbenzene	11.15	105	280230	18.400	ug/l #	59
87) 1,3-Dichlorobenzene	11.42	146	2342	0.366	ug/l	93
88) 1,4-Dichlorobenzene	11.51	146	8326	1.268	ug/l	91
89) n-Butylbenzene	11.89	91	9226	0.762	ug/l #	65
91) 1,2-Dichlorobenzene	11.88	146	25869	4.016	ug/l	96
93) 1,2,4-Trichlorobenzene	13.50	180	8910	2.630	ug/l	96
94) Hexachlorobutadiene	13.69	225	591	0.289	ug/l	67
96) 1,2,3-Trichlorobenzene	13.99	180	2063	0.477	ug/l	94

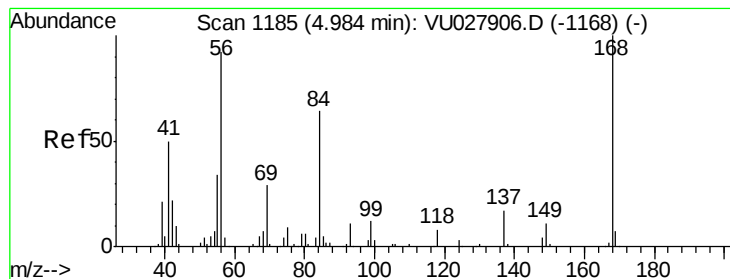
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. 0.01 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

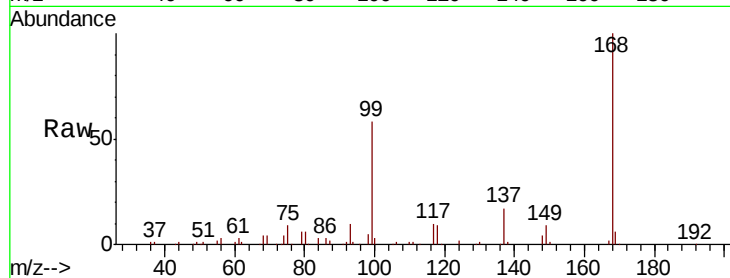
MW-1

Tot Ion:168 Resp: 189525

Ion Ratio Lower Upper

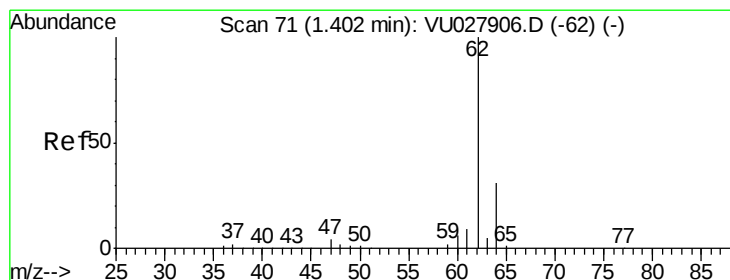
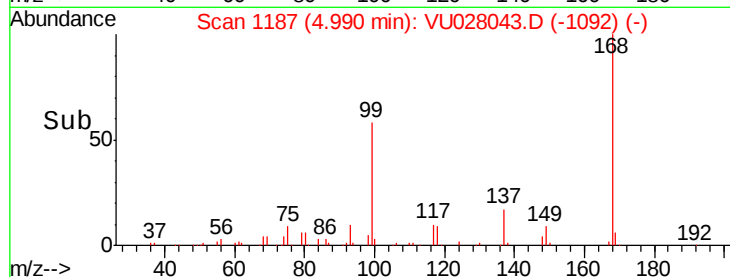
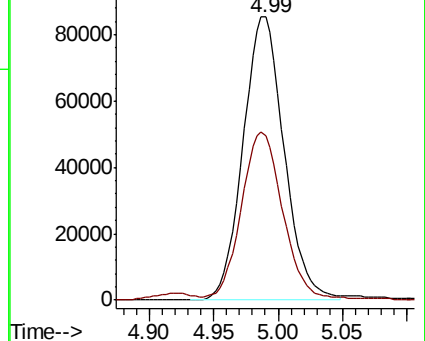
168 100

99 57.1 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) (-)



#4

Vinyl Chloride

Concen: 112.006 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028043.D

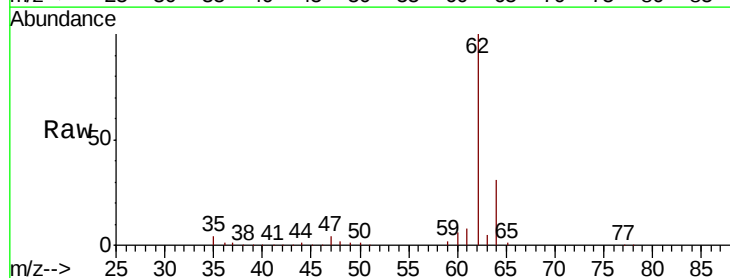
Acq: 09 Nov 2018 14:37

Tgt Ion: 62 Resp: 323781

Ion Ratio Lower Upper

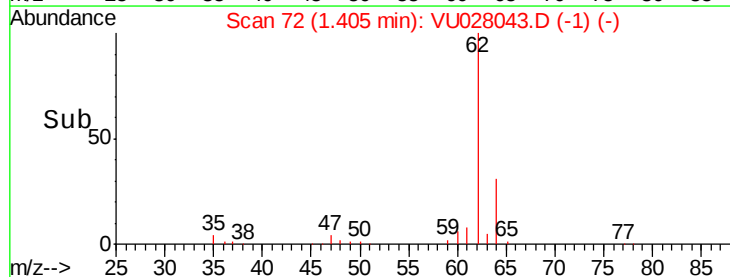
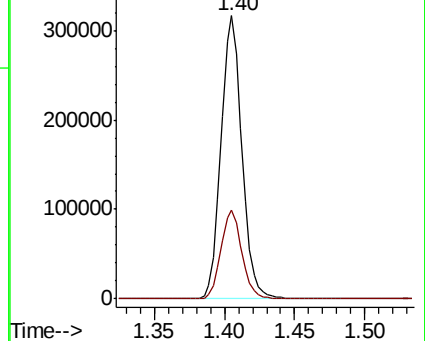
62 100

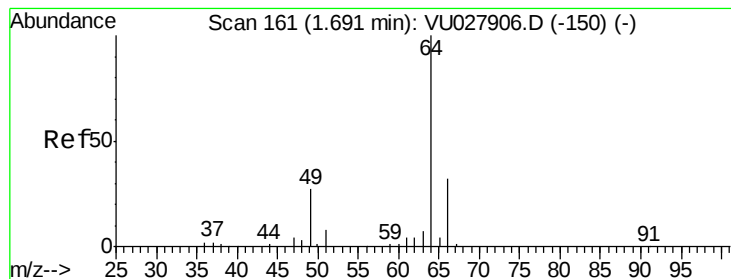
64 31.5 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU027906.D (-62) (-)





#6

Chloroethane

Concen: 47.255 ug/l

RT: 1.40 min Scan# 72

Delta R.T. -0.29 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampled :

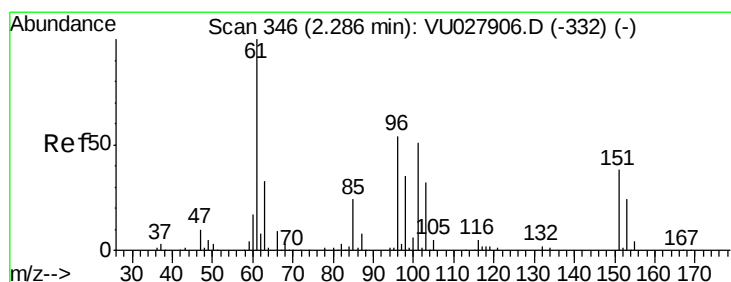
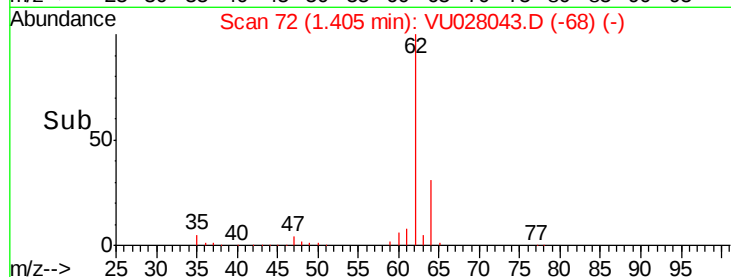
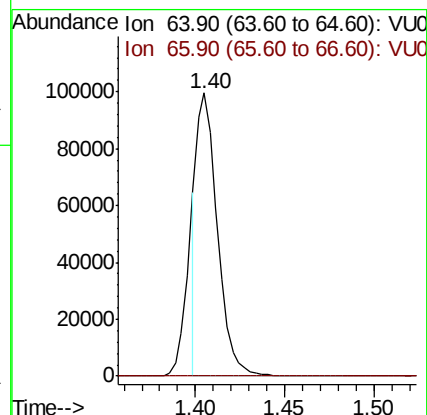
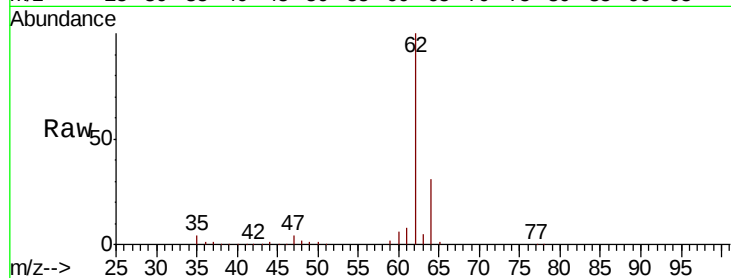
MW-1

Tot Ion: 64 Resp: 78720

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.794 ug/l

RT: 2.29 min Scan# 348

Delta R.T. 0.01 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

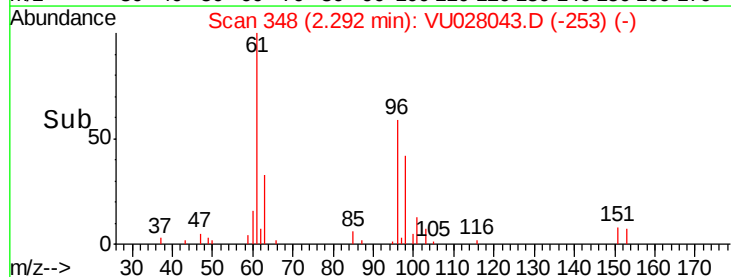
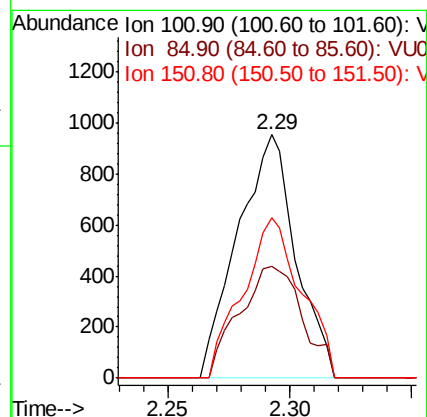
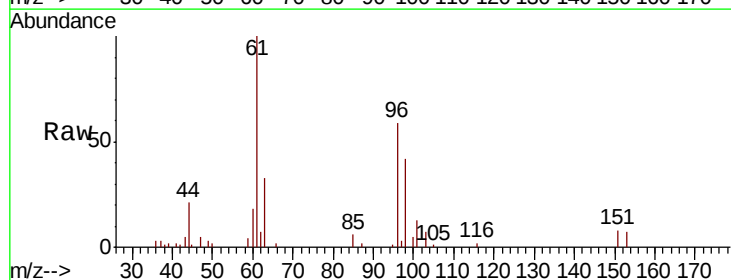
Tgt Ion: 101 Resp: 1575

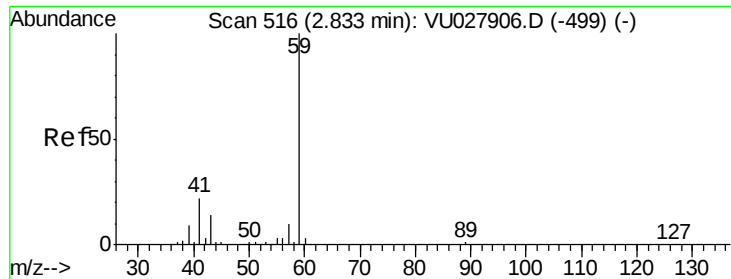
Ion Ratio Lower Upper

101 100

85 49.8 36.9 55.3

151 66.4 58.0 87.0



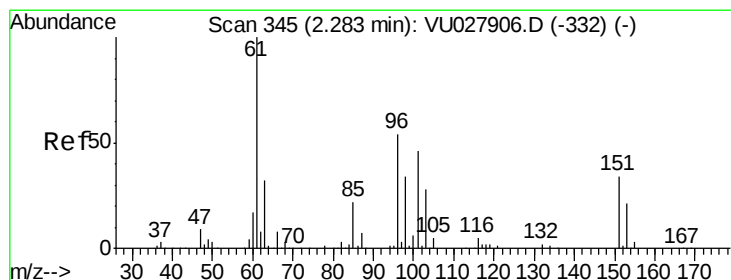
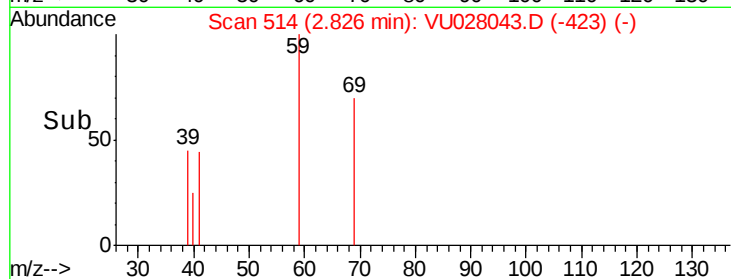
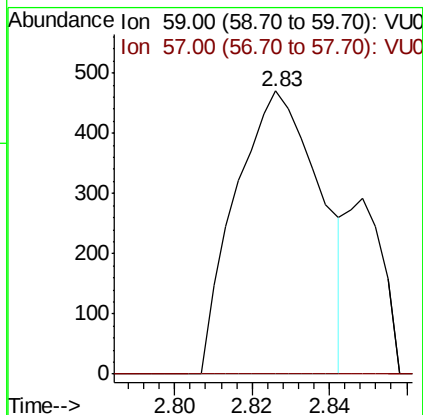
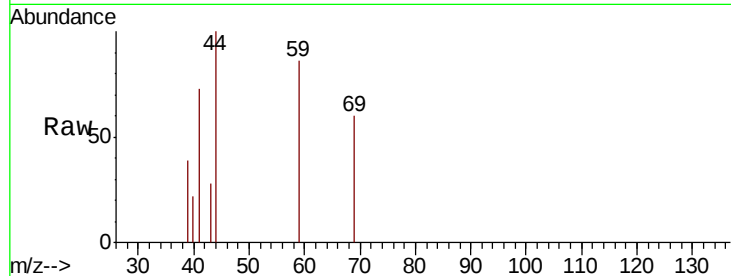


#11

Tert butyl alcohol
Concen: 0.957 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

Instrument :
MSVOA_U
ClientSampled :
MW-1

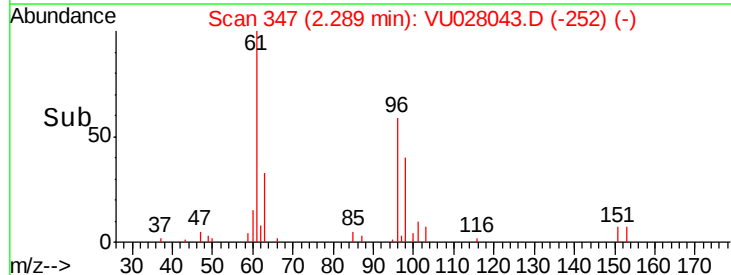
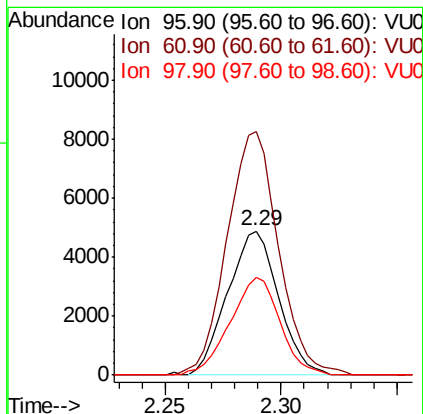
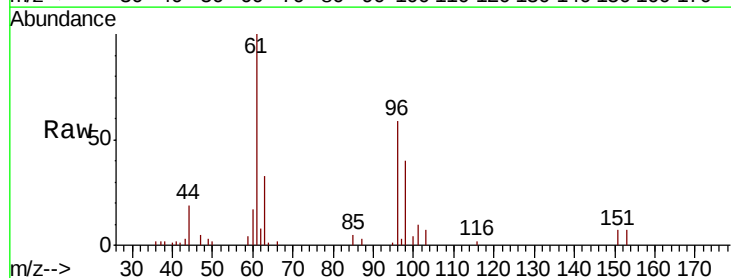
Tot Ion: 59 Resp: 714
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

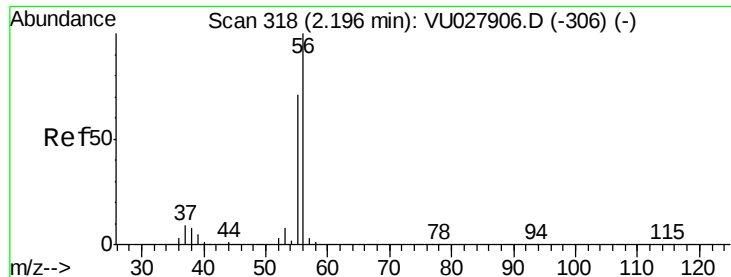


#12

1,1-Dichloroethene
Concen: 3.753 ug/l
RT: 2.29 min Scan# 347
Delta R.T. 0.01 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

Tgt Ion: 96 Resp: 7455
Ion Ratio Lower Upper
96 100
61 164.4 149.3 223.9
98 68.0 50.6 75.8





#13

Acrolein

Concen: Below Cal

RT: 2.20 min Scan# 320

Delta R.T. 0.01 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

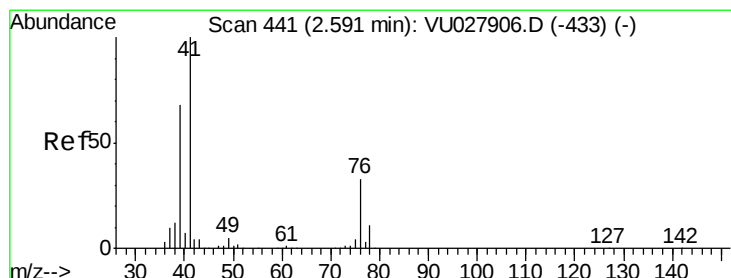
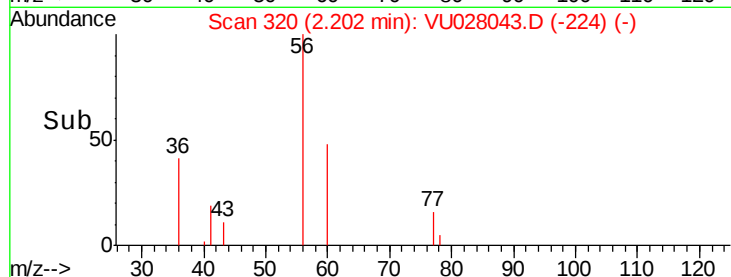
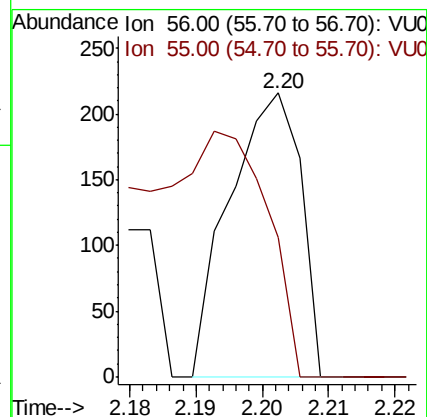
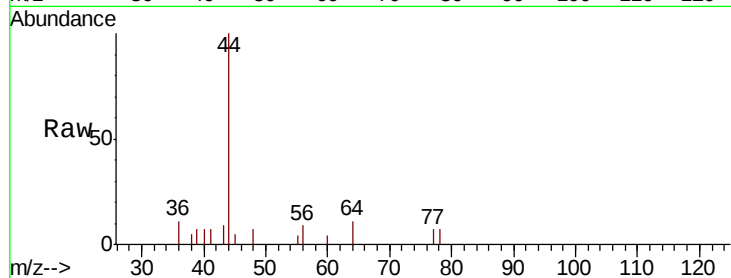
MW-1

Tot Ion: 56 Resp: 161

Ion Ratio Lower Upper

56 100

55 93.8 56.2 84.4#



#14

Allyl chloride

Concen: 1.245 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

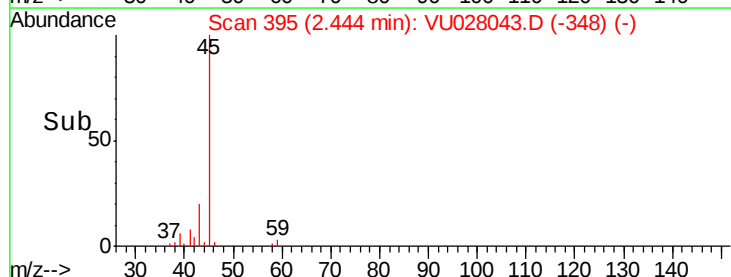
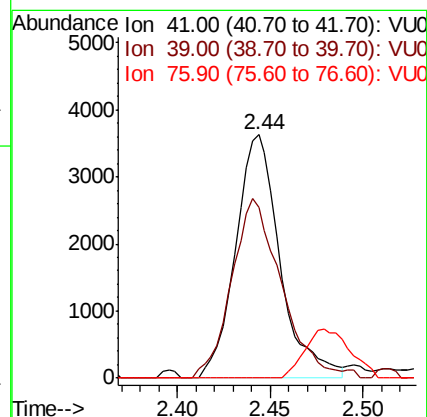
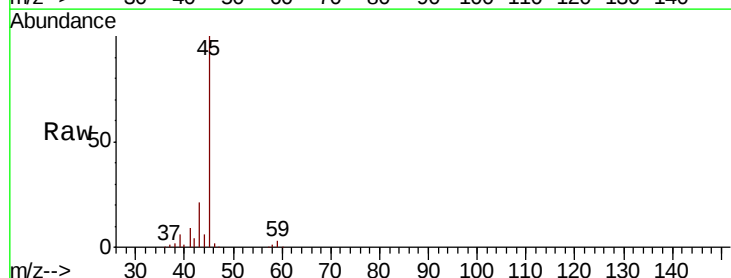
Tgt Ion: 41 Resp: 6046

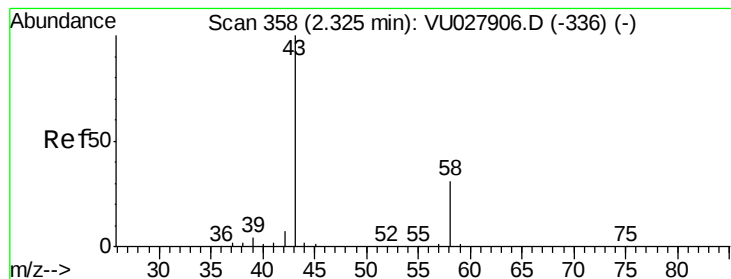
Ion Ratio Lower Upper

41 100

39 82.8 51.9 77.9#

76 0.0 23.8 35.6#





#16

Acetone

Concen: 7.030 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

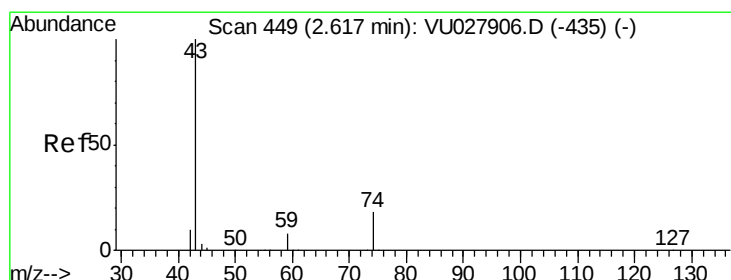
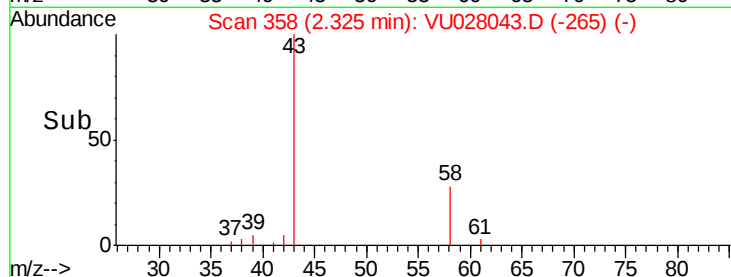
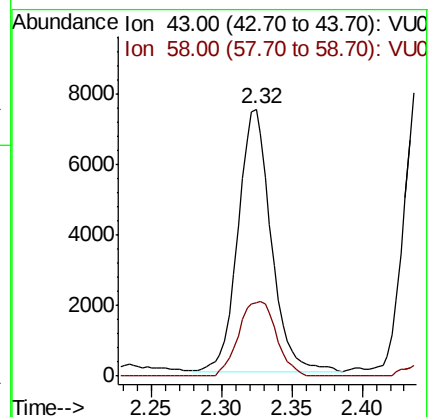
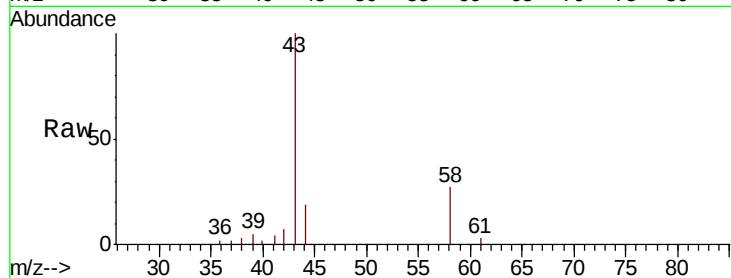
MW-1

Tot Ion: 43 Resp: 12290

Ion Ratio Lower Upper

43 100

58 27.8 24.6 37.0



#18

Methyl Acetate

Concen: 0.216 ug/l

RT: 2.63 min Scan# 454

Delta R.T. 0.02 min

Lab File: VU028043.D

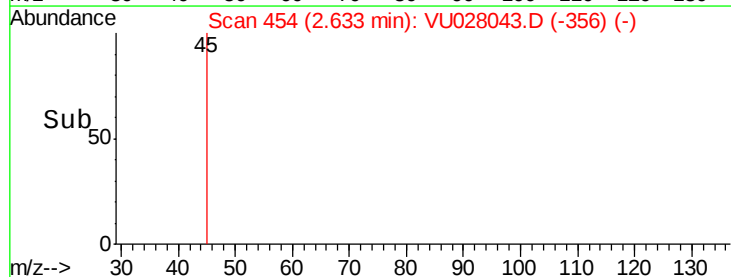
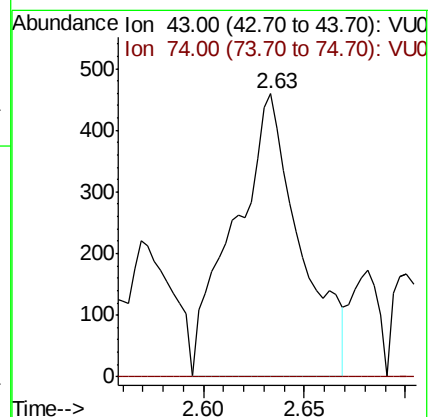
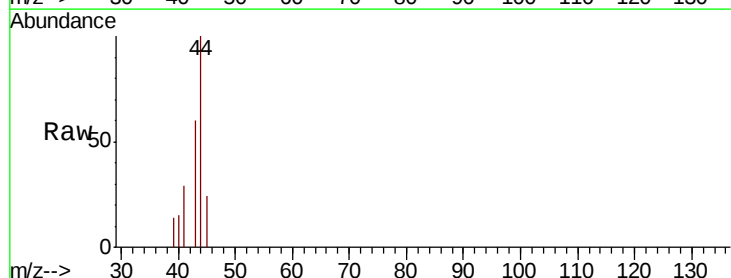
Acq: 09 Nov 2018 14:37

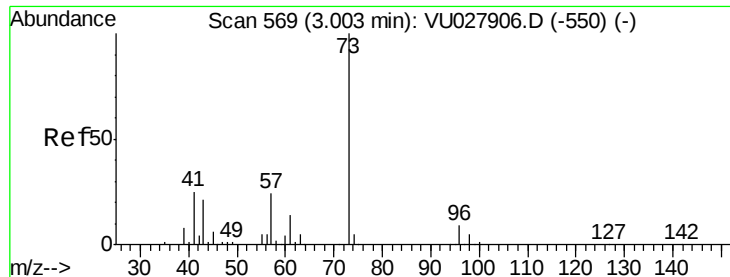
Tgt Ion: 43 Resp: 1041

Ion Ratio Lower Upper

43 100

74 0.0 14.9 22.3#



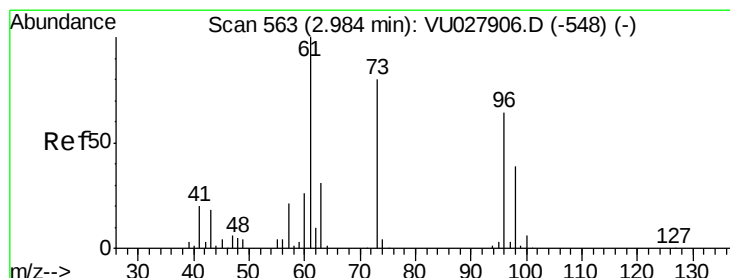
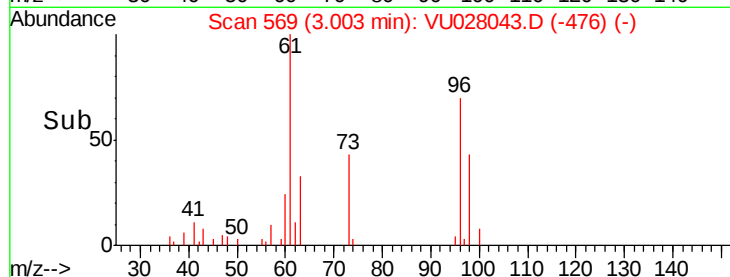
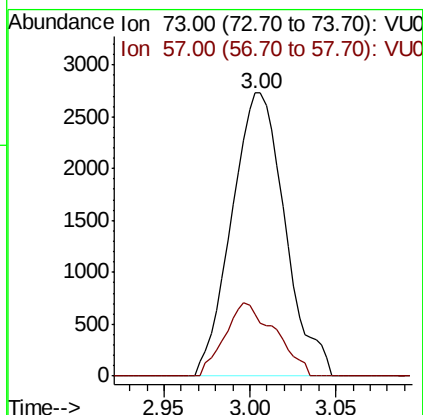
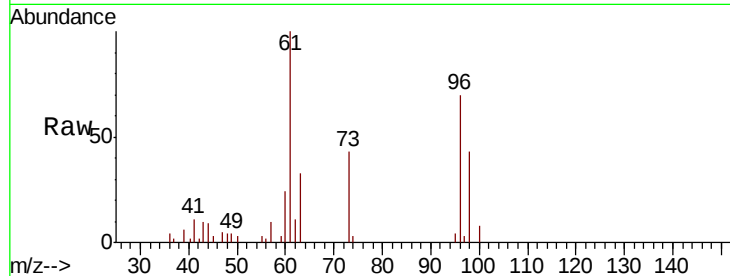


#19

Methyl tert-butyl Ether
 Concen: 0.735 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VU028043.D
 Acq: 09 Nov 2018 14:37

Instrument :
 MSVOA_U
 ClientSampled :
 MW-1

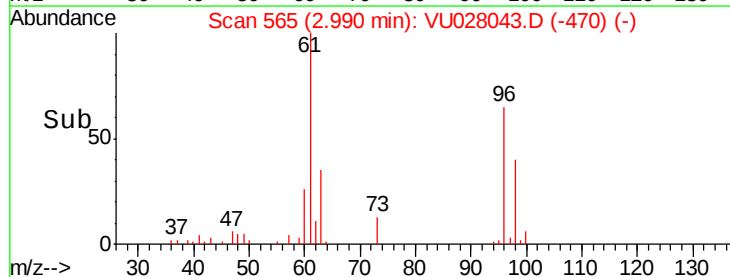
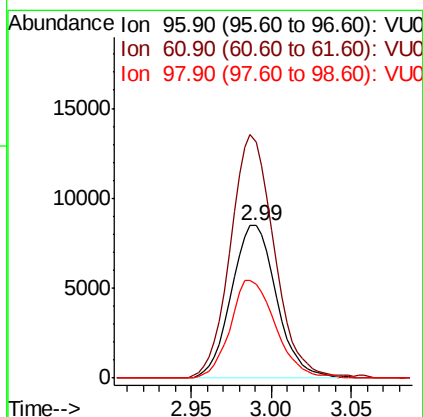
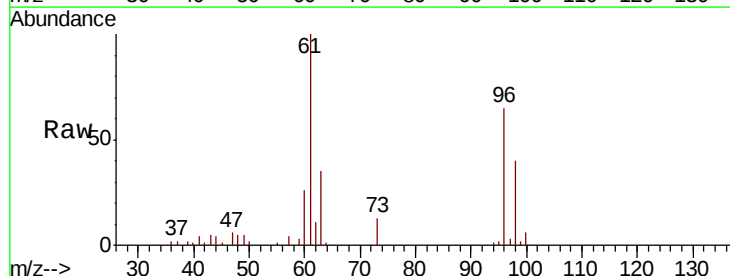
Tot Ion: 73 Resp: 5889
 Ion Ratio Lower Upper
 73 100
 57 22.0 19.3 28.9

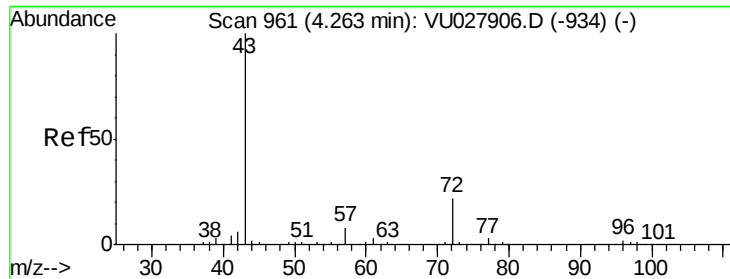


#21

trans-1,2-Dichloroethene
 Concen: 7.126 ug/l
 RT: 2.99 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VU028043.D
 Acq: 09 Nov 2018 14:37

Tgt Ion: 96 Resp: 16336
 Ion Ratio Lower Upper
 96 100
 61 154.7 125.0 187.6
 98 61.3 48.2 72.4

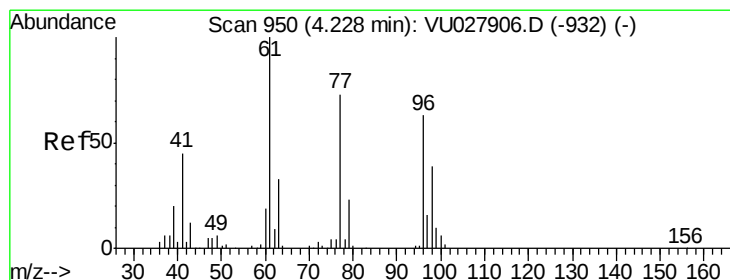
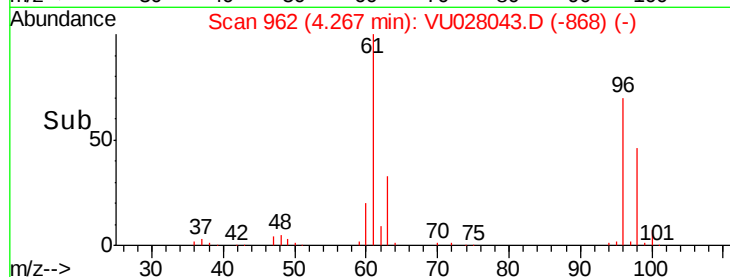
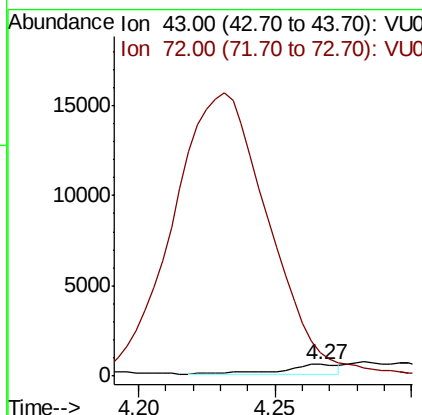
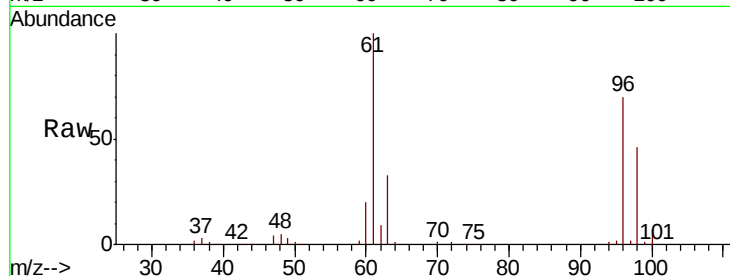




#25
2-Butanone
Concen: 0.252 ug/l
RT: 4.27 min Scan# 962
Delta R.T. 0.00 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

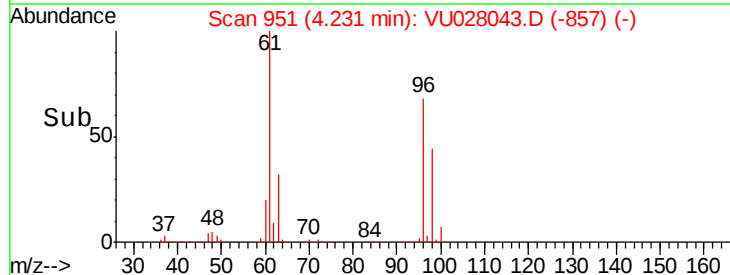
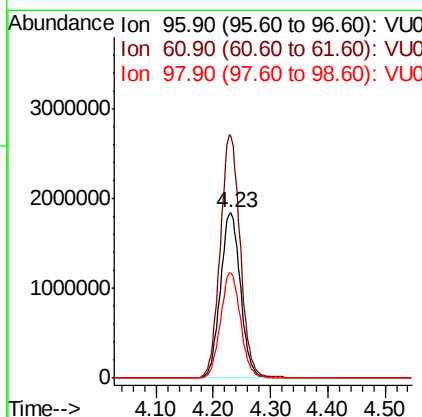
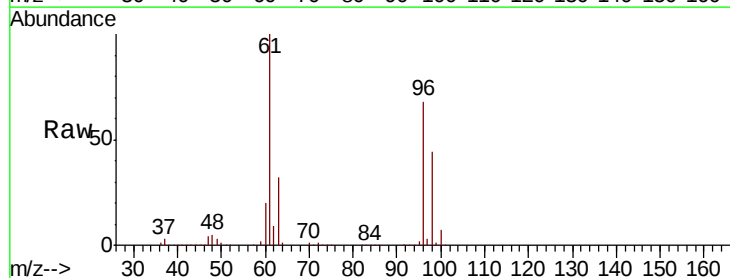
Instrument :
MSVOA_U
ClientSampled :
MW-1

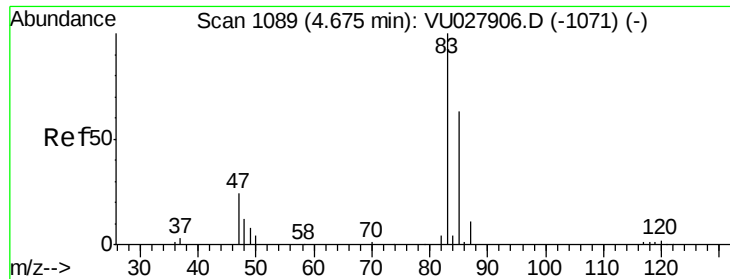
Tot Ion: 43 Resp: 701
Ion Ratio Lower Upper
43 100
72 108.3 17.7 26.5#



#27
cis-1,2-Dichloroethene
Concen: 1747.036 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

Tgt Ion: 96 Resp: 4490862
Ion Ratio Lower Upper
96 100
61 146.3 0.0 329.6
98 63.9 0.0 127.2

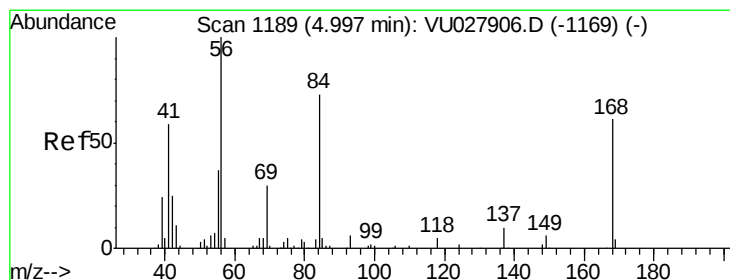
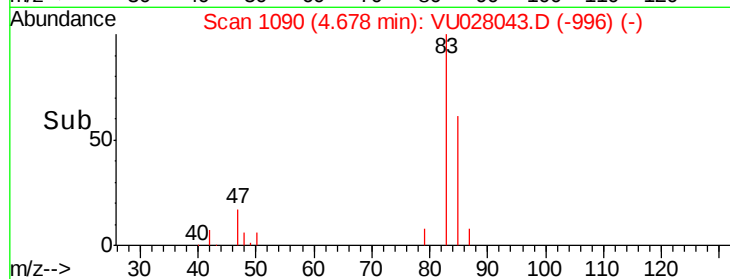
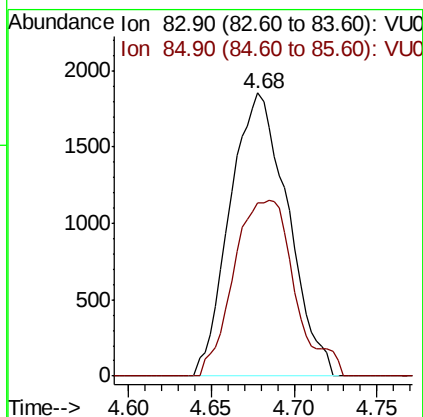
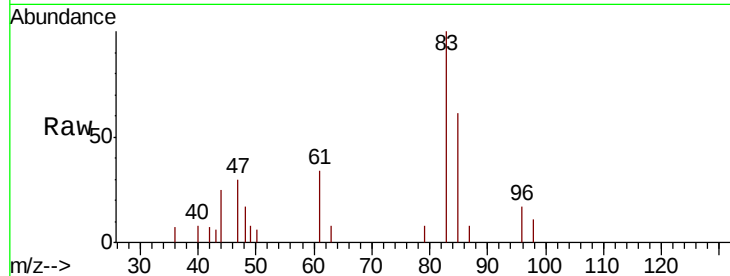




#30
Chloroform
Concen: 0.982 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

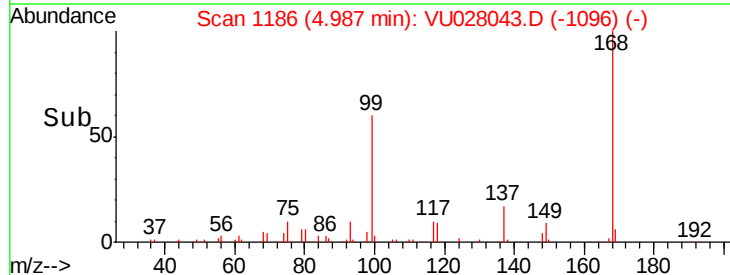
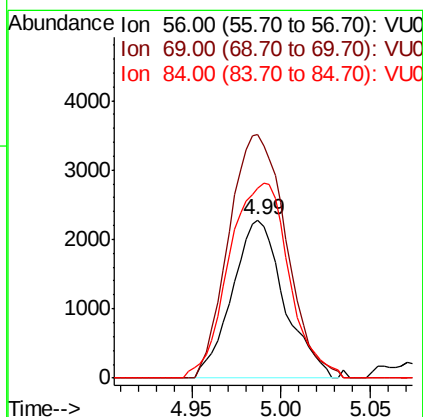
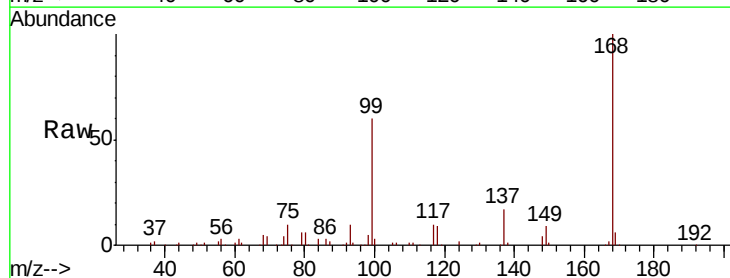
Instrument :
MSVOA_U
ClientSampled :
MW-1

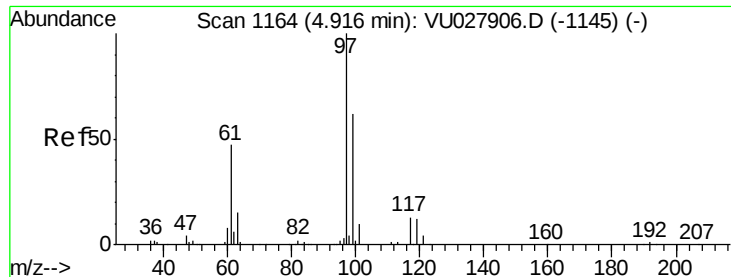
Tot Ion: 83 Resp: 4495
Ion Ratio Lower Upper
83 100
85 61.2 50.6 76.0



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

Tgt Ion: 56 Resp: 4636
Ion Ratio Lower Upper
56 100
69 153.7 23.7 35.5#
84 114.9 58.2 87.4#

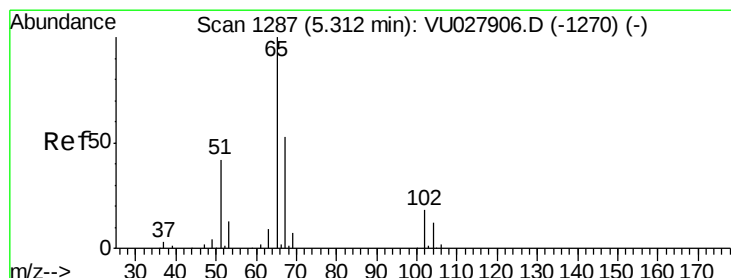
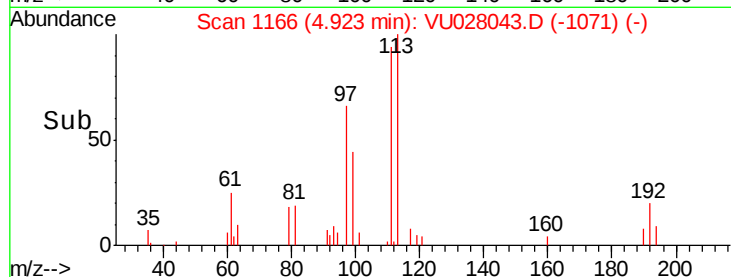
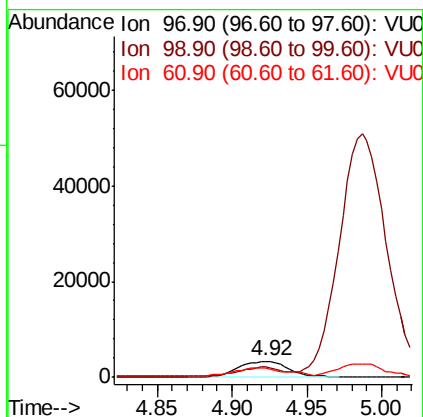
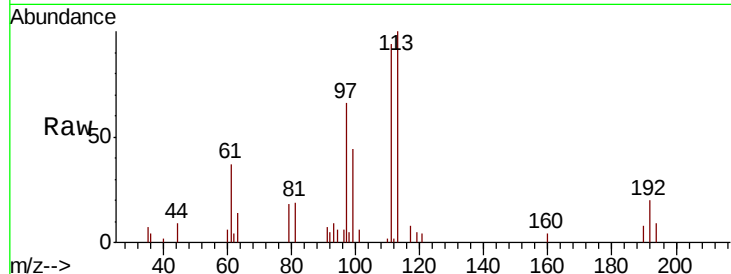




#32
 1,1,1-Trichloroethane
 Concen: 2.219 ug/l
 RT: 4.92 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VU028043.D
 Acq: 09 Nov 2018 14:37

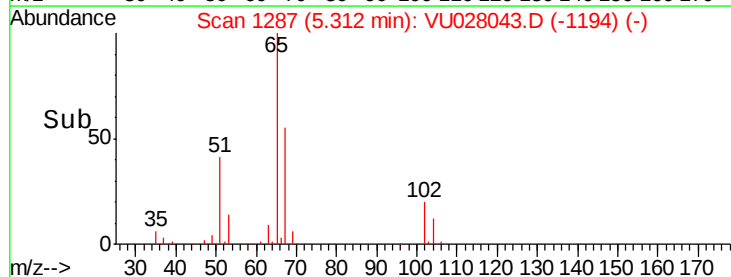
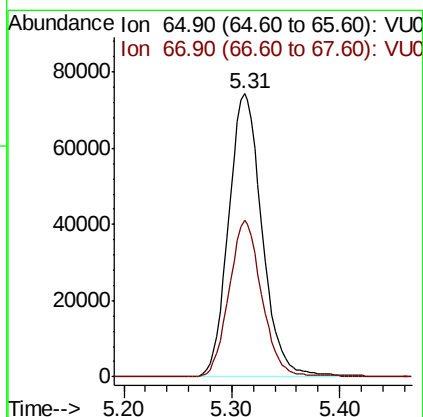
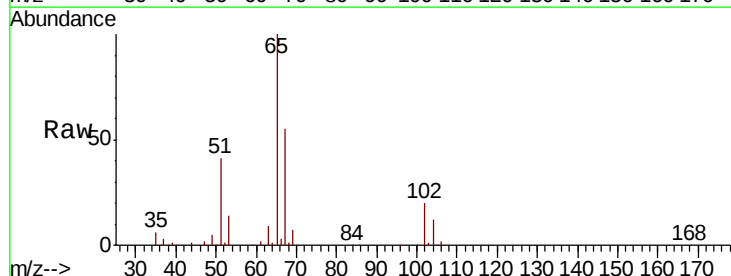
Instrument :
 MSVOA_U
 ClientSampled :
 MW-1

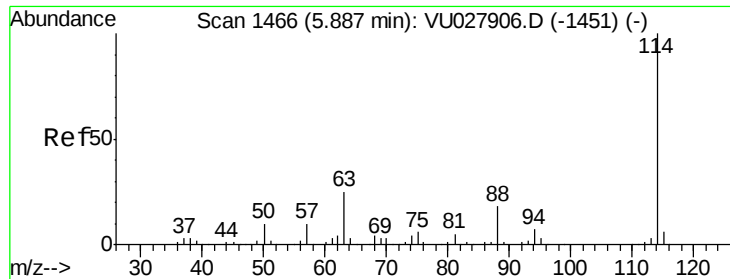
Tot Ion	97	Resp	8086
Ion Ratio	Lower	Upper	
97	100		
99	58.3	50.5	75.7
61	54.4	38.3	57.5



#33
 1,2-Dichloroethane-d4
 Concen: 57.166 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028043.D
 Acq: 09 Nov 2018 14:37

Tgt Ion	65	Resp	161081
Ion Ratio	Lower	Upper	
65	100		
67	54.0	0.0	109.0

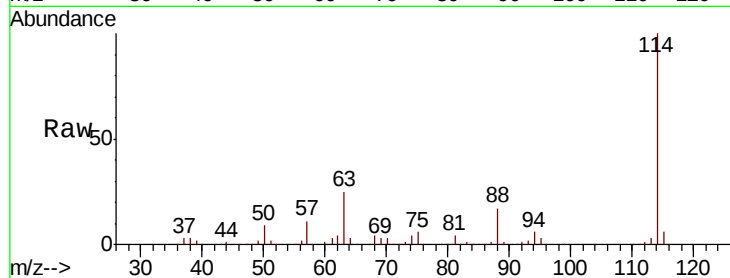




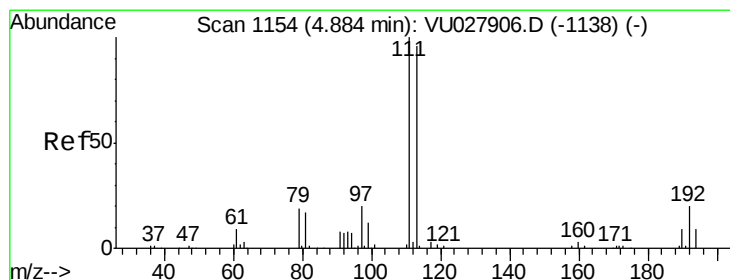
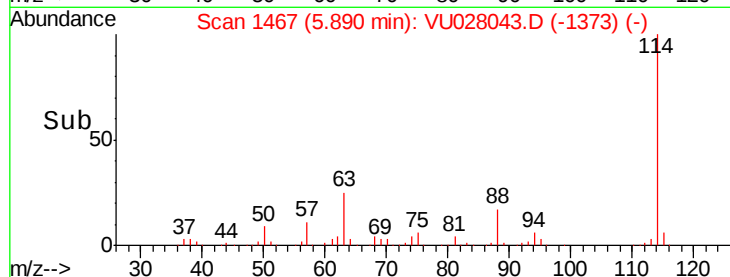
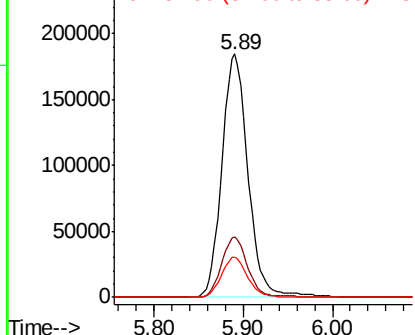
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU028043.D
 Acq: 09 Nov 2018 14:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

Tot Ion:114 Resp: 374578
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 50.8
 88 16.7 0.0 35.8

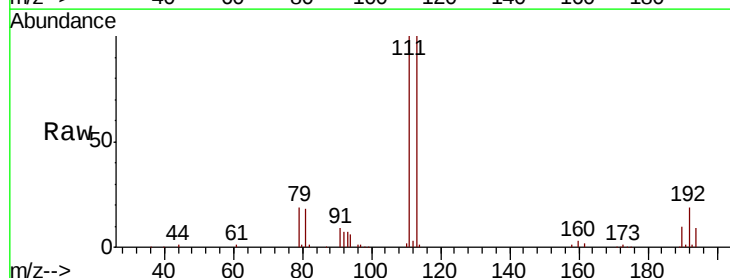


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

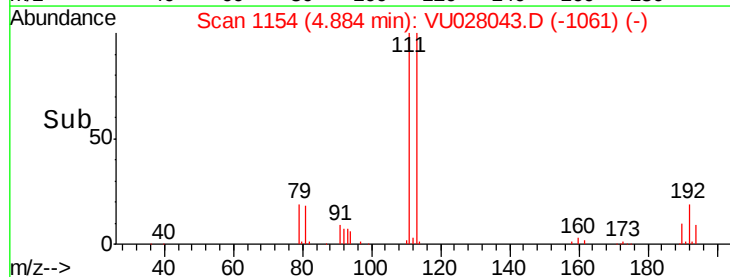
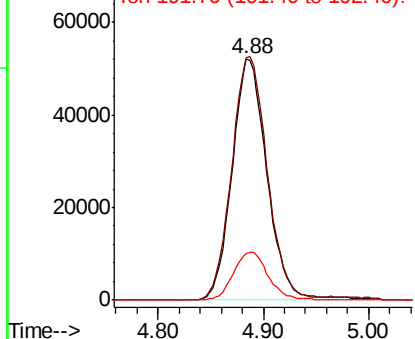


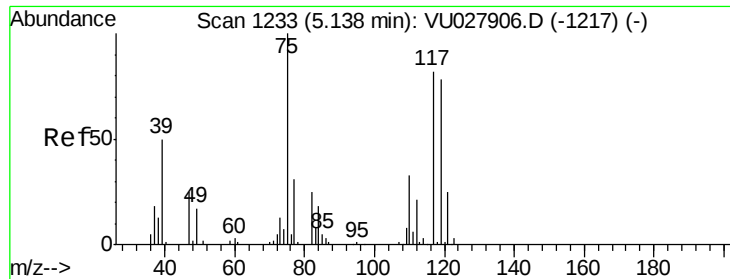
#35
 Dibromofluoromethane
 Concen: 50.374 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028043.D
 Acq: 09 Nov 2018 14:37

Tgt Ion:113 Resp: 118973
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.0 124.6
 192 19.9 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

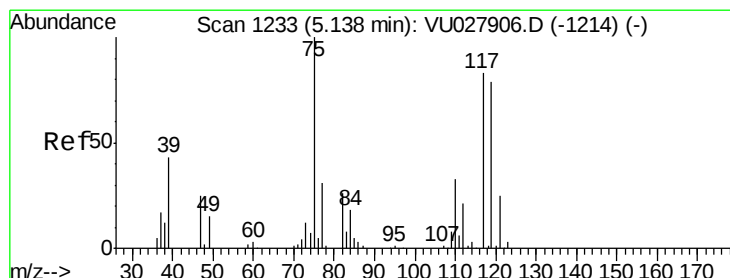
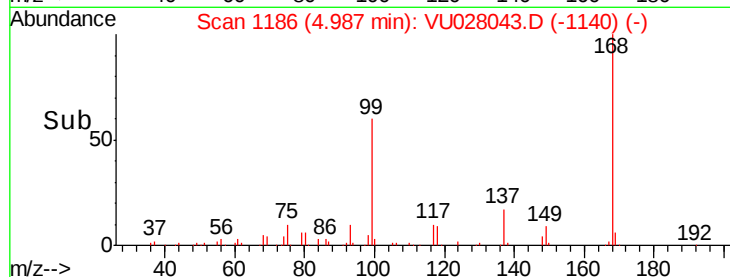
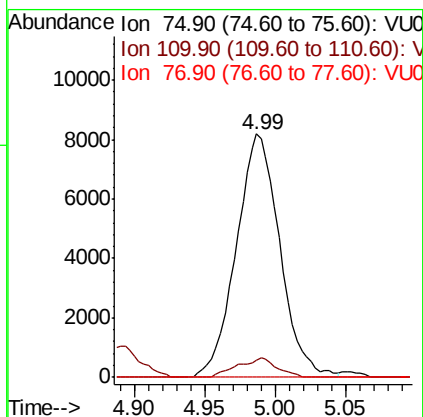
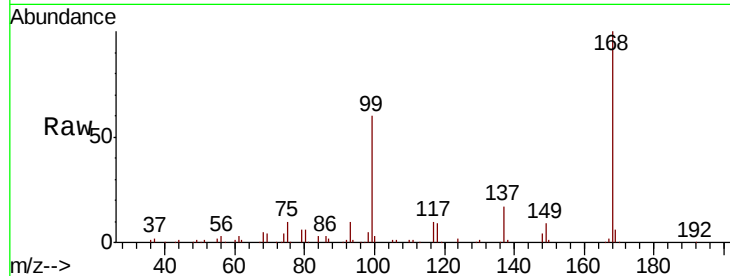




#36
 1,1-Dichloropropene
 Concen: 4.510 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU028043.D
 Acq: 09 Nov 2018 14:37

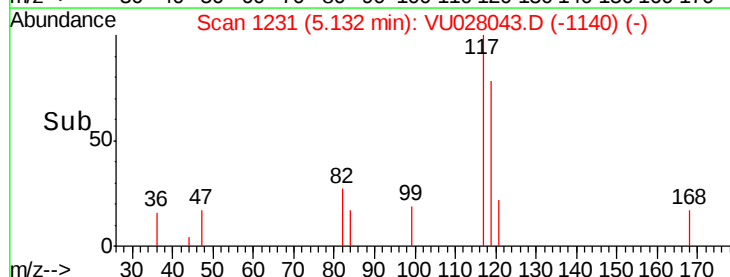
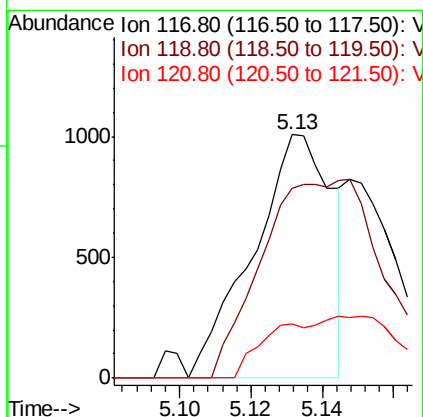
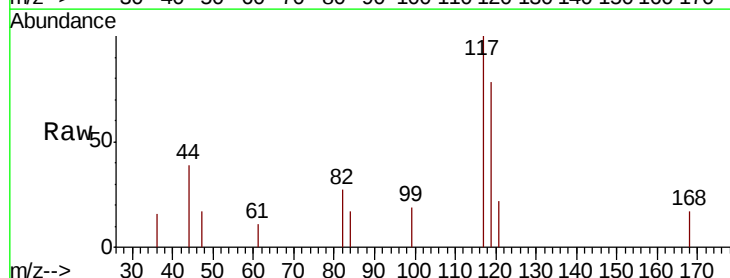
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

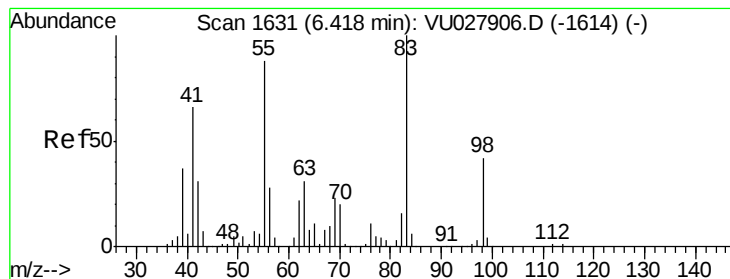
Tot Ion: 75 Resp: 17693
 Ion Ratio Lower Upper
 75 100
 110 7.2 16.5 49.5#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 0.443 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VU028043.D
 Acq: 09 Nov 2018 14:37

Tgt Ion: 117 Resp: 1541
 Ion Ratio Lower Upper
 117 100
 119 78.1 76.0 114.0
 121 22.3 24.5 36.7#





#39

Methylcyclohexane

Concen: 5.845 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. -0.23 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

MW-1

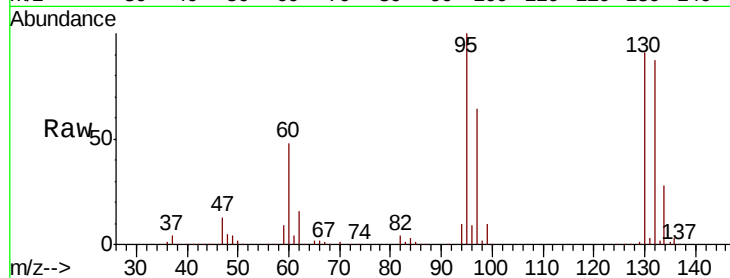
Tot Ion: 83 Resp: 27657

Ion Ratio Lower Upper

83 100

55 0.0 70.3 105.5#

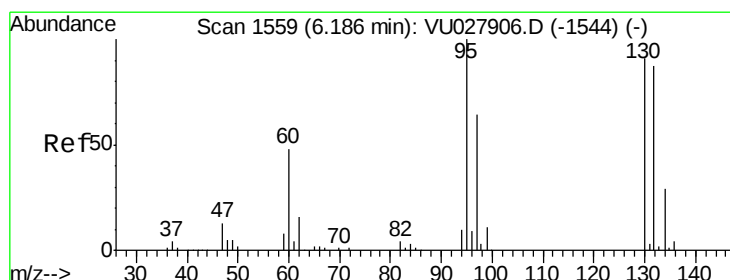
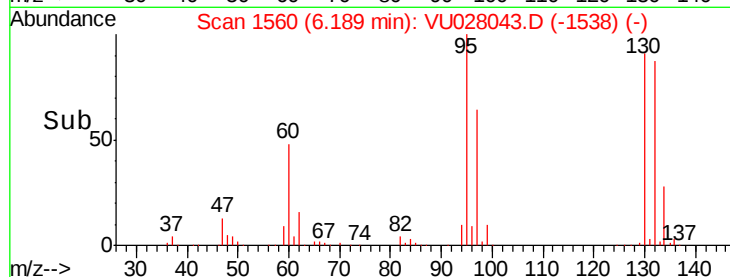
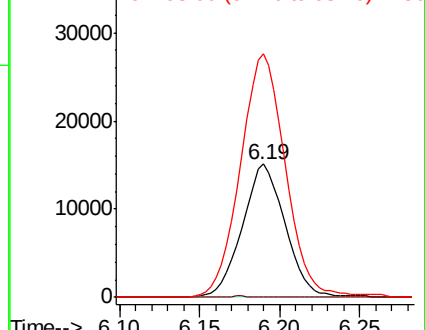
98 183.1 34.0 51.0#



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



#44

Trichloroethene

Concen: 782.419 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028043.D

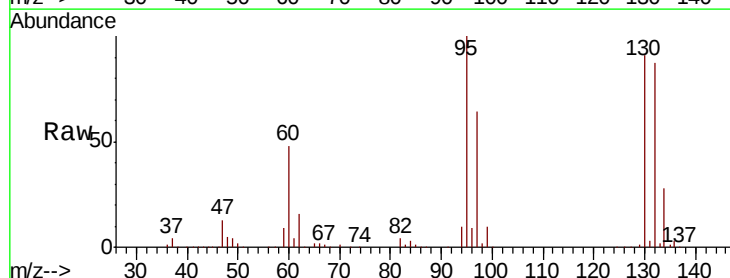
Acq: 09 Nov 2018 14:37

Tgt Ion:130 Resp: 2017258

Ion Ratio Lower Upper

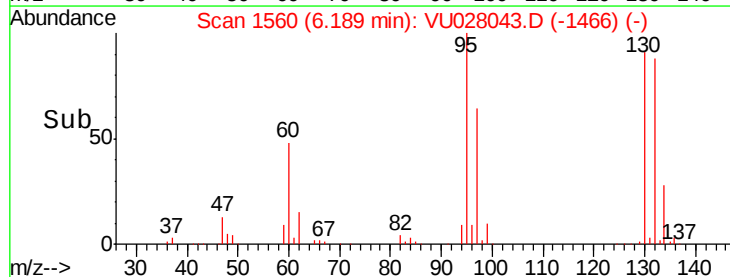
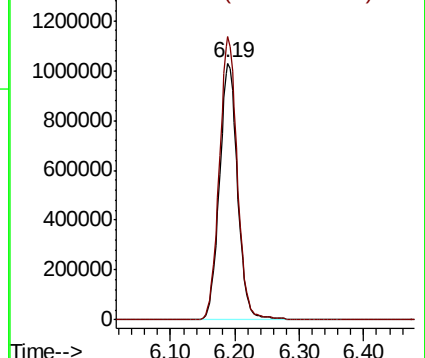
130 100

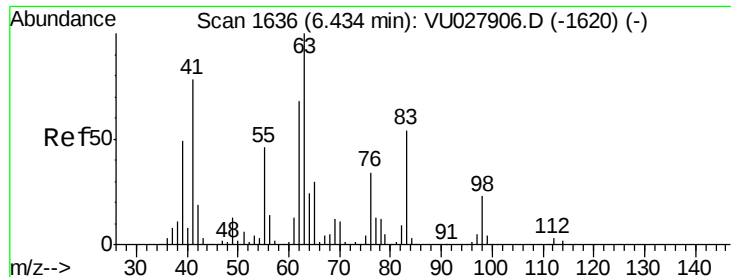
95 110.1 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 2.143 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.25 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampled :

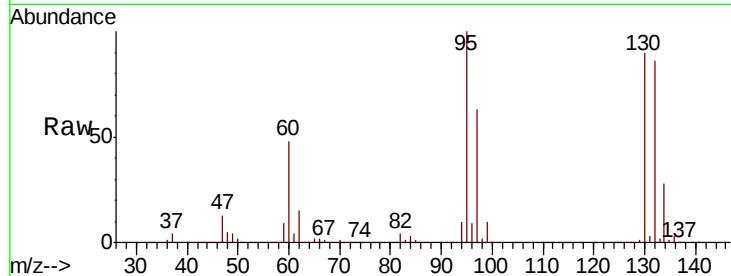
MW-1

Tot Ion: 63 Resp: 7412

Ion Ratio Lower Upper

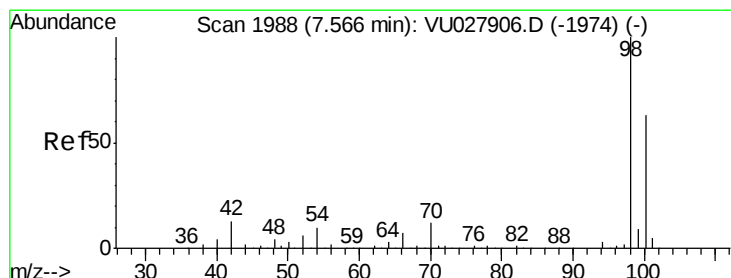
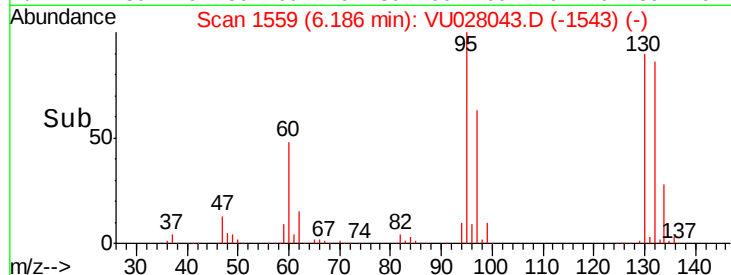
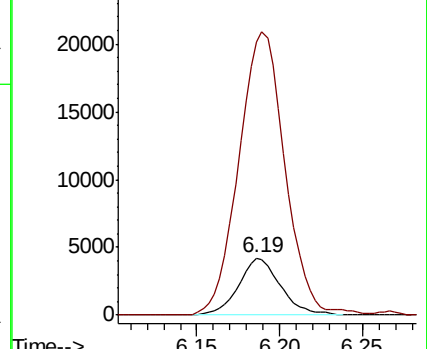
63 100

65 480.6 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#50

Toluene-d8

Concen: 55.719 ug/l

RT: 7.58 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VU028043.D

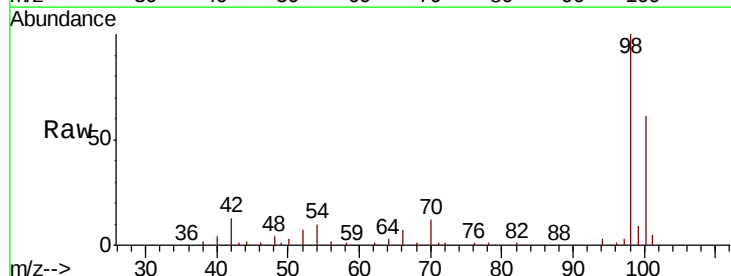
Acq: 09 Nov 2018 14:37

Tgt Ion: 98 Resp: 508339

Ion Ratio Lower Upper

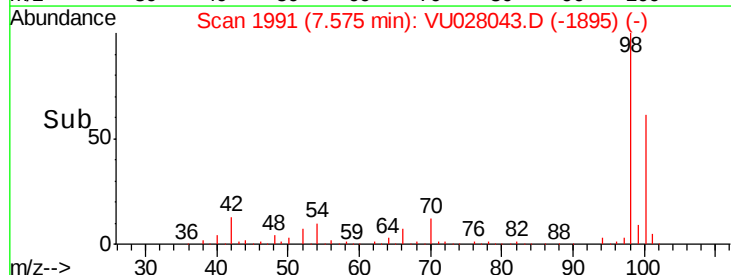
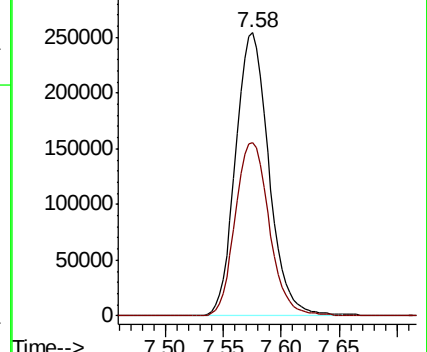
98 100

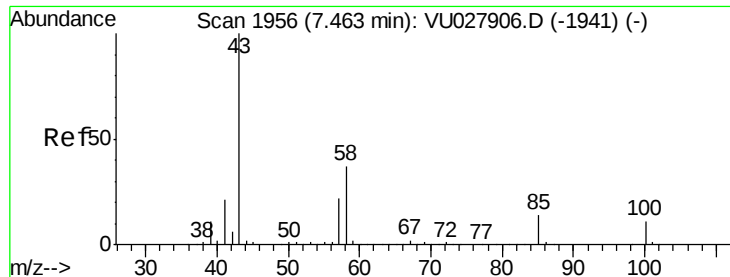
100 62.9 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 0.332 ug/l

RT: 7.48 min Scan# 1960

Delta R.T. 0.01 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

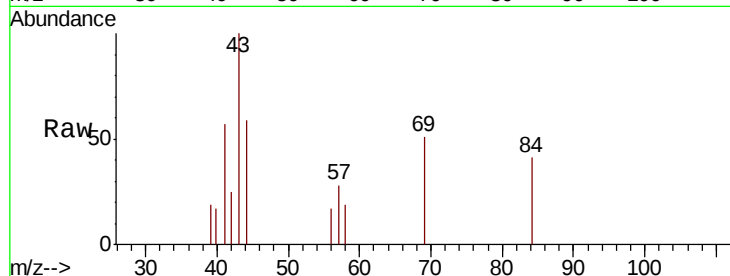
MW-1

Tot Ion: 43 Resp: 1997

Ion Ratio Lower Upper

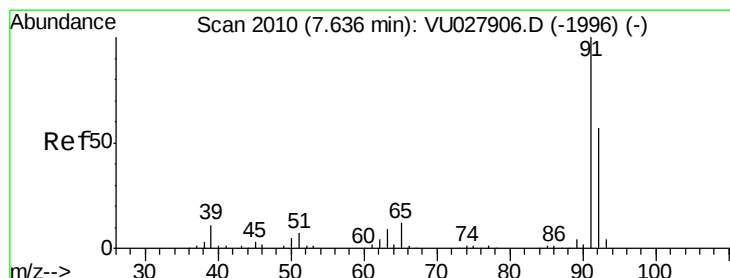
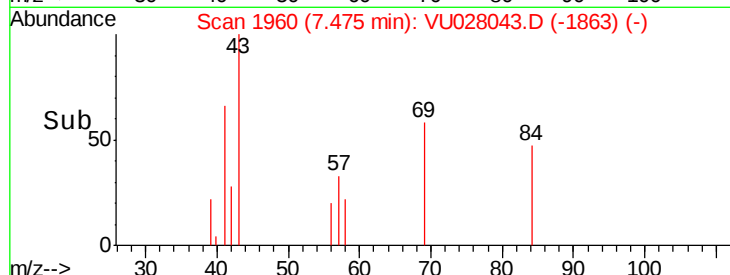
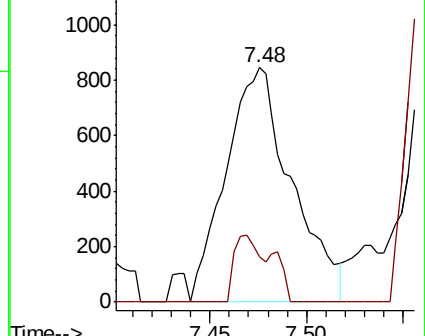
43 100

58 11.4 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: 6.626 ug/l

RT: 7.65 min Scan# 2013

Delta R.T. 0.01 min

Lab File: VU028043.D

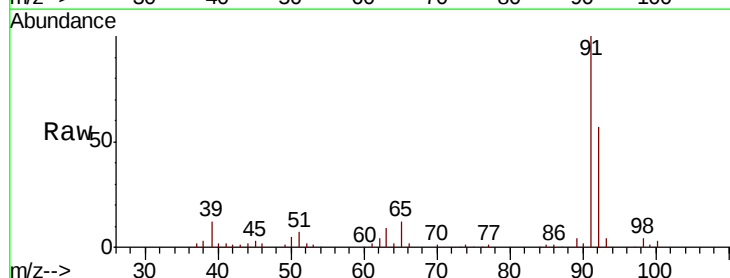
Acq: 09 Nov 2018 14:37

Tgt Ion: 92 Resp: 46722

Ion Ratio Lower Upper

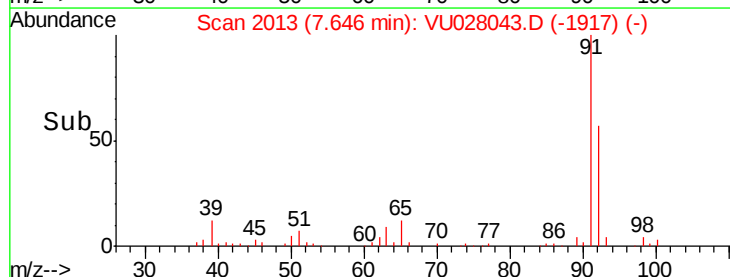
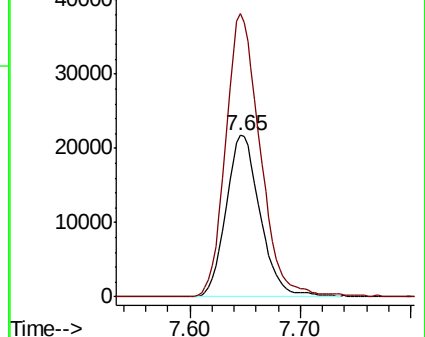
92 100

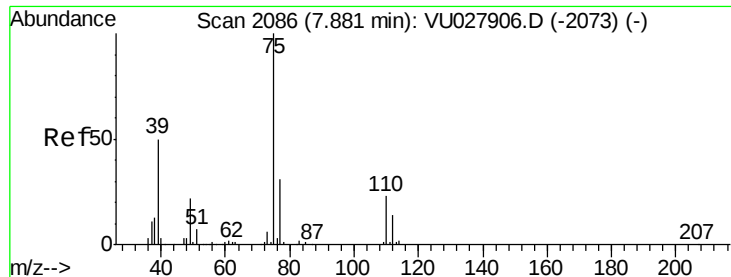
91 176.6 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

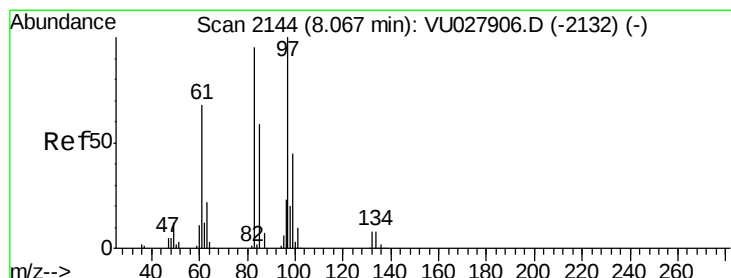
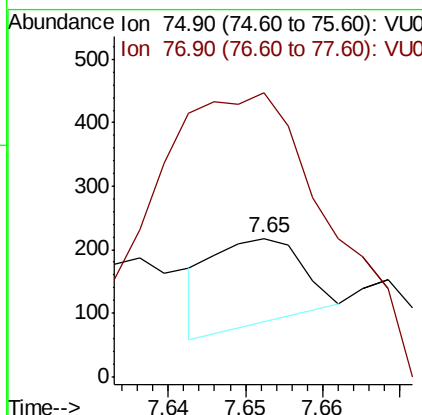
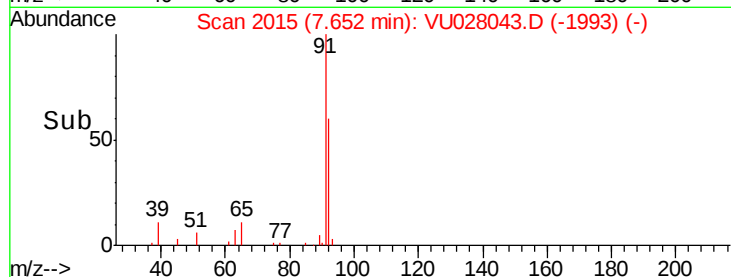
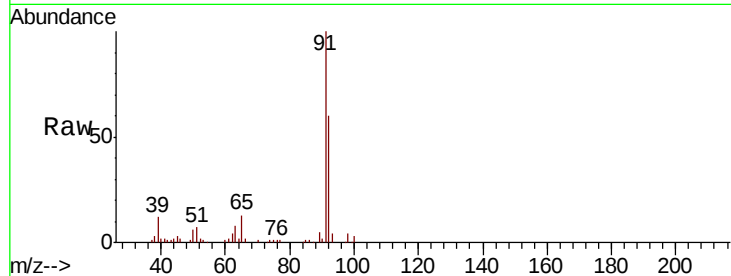




#53
t-1,3-Dichloropropene
Concen: 1.141 ug/l
RT: 7.65 min Scan# 2015
Delta R.T. -0.23 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

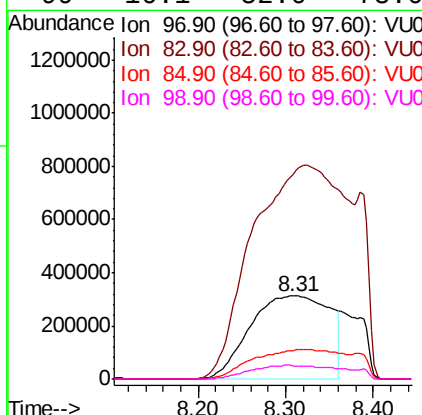
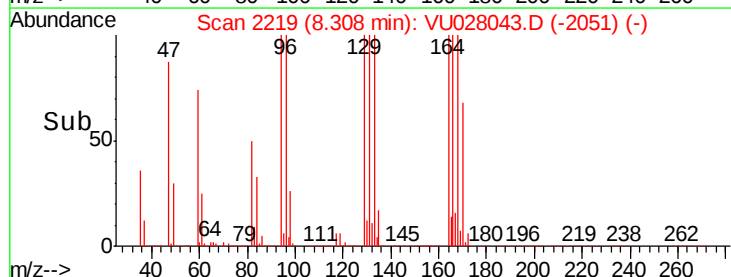
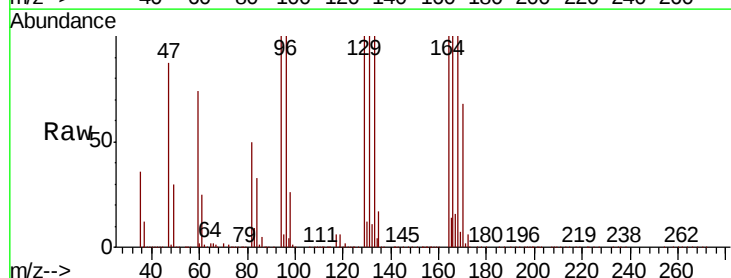
Instrument :
MSVOA_U
ClientSampled :
MW-1

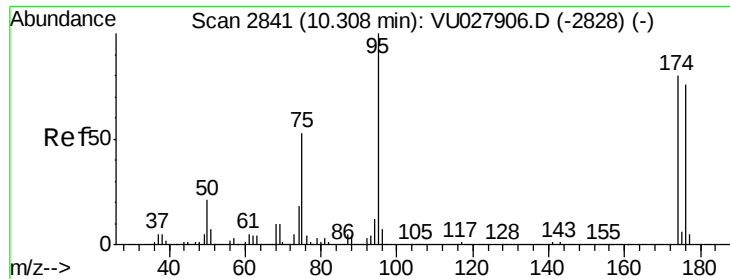
Tot Ion: 75 Resp: 111
Ion Ratio Lower Upper
75 100
77 221.2 25.1 37.7#



#55
1,1,2-Trichloroethane
Concen: 685.432 ug/l
RT: 8.31 min Scan# 2219
Delta R.T. 0.24 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

Tgt Ion: 97 Resp: 1966384
Ion Ratio Lower Upper
97 100
83 247.3 76.1 114.1#
85 34.7 48.9 73.3#
99 16.1 52.0 78.0#





#62

4-Bromofluorobenzene

Concen: 60.125 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

MW-1

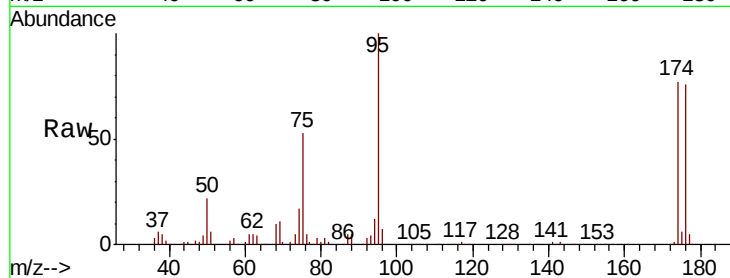
Tot Ion: 95 Resp: 202326

Ion Ratio Lower Upper

95 100

174 77.3 0.0 156.4

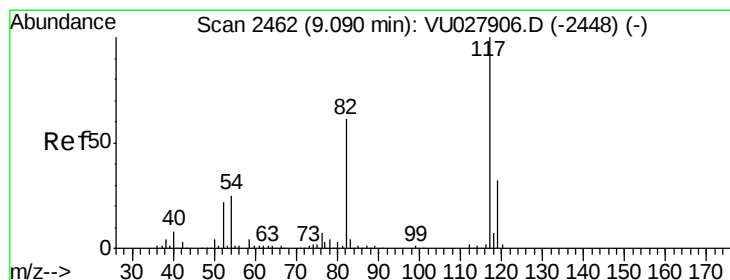
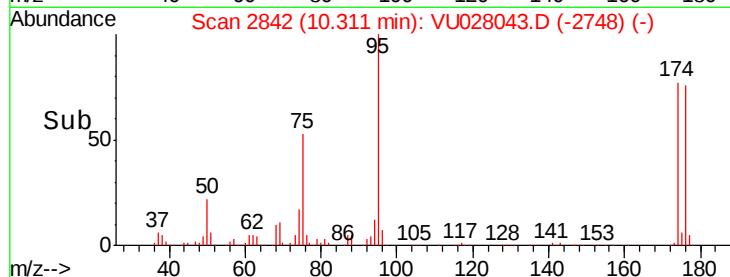
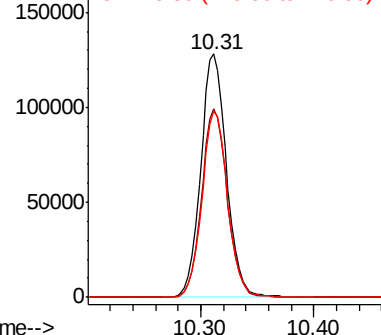
176 75.8 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.10 min Scan# 2465

Delta R.T. 0.01 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

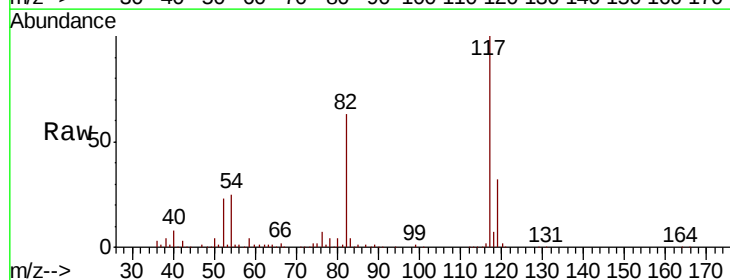
Tgt Ion: 117 Resp: 394426

Ion Ratio Lower Upper

117 100

82 62.9 48.6 73.0

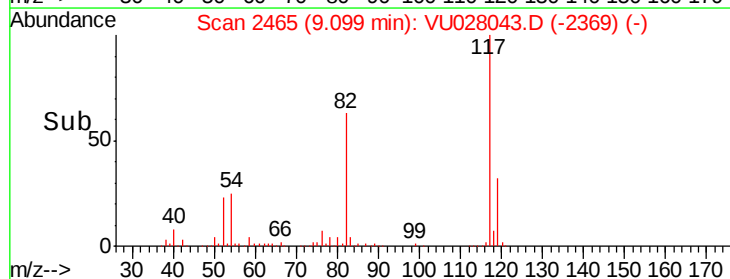
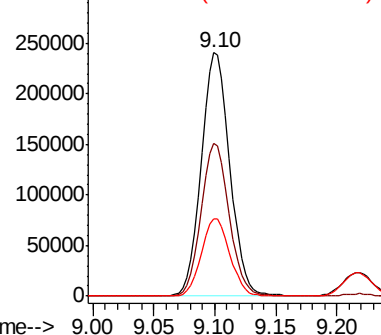
119 31.9 25.8 38.8

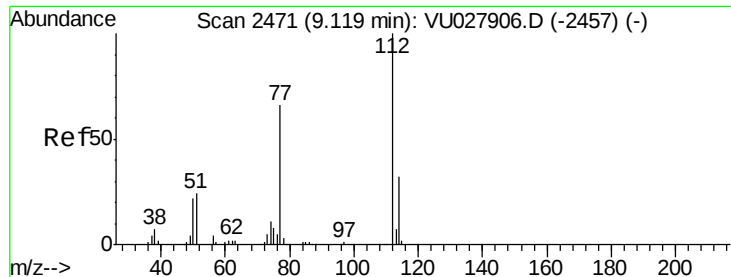


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

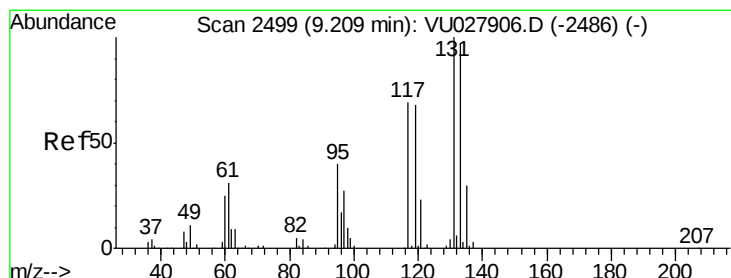
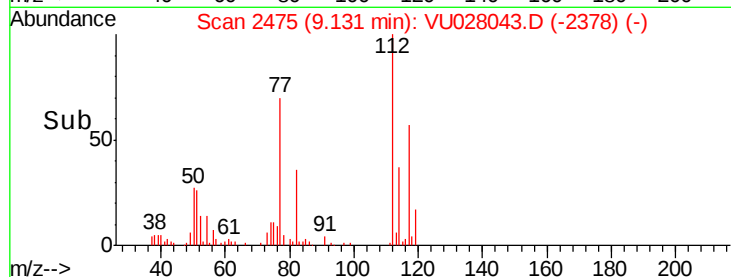
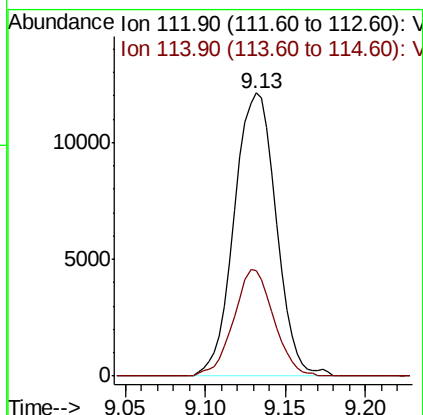
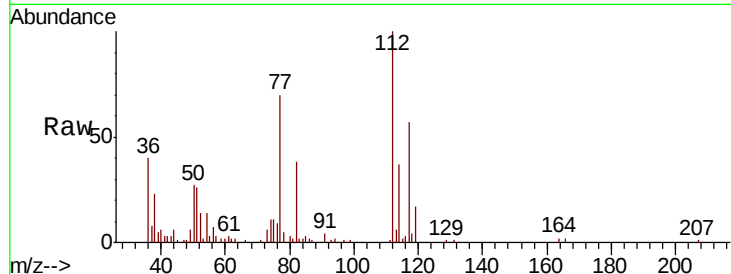




#65
Chlorobenzene
Concen: 2.603 ug/l
RT: 9.13 min Scan# 2475
Delta R.T. 0.01 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

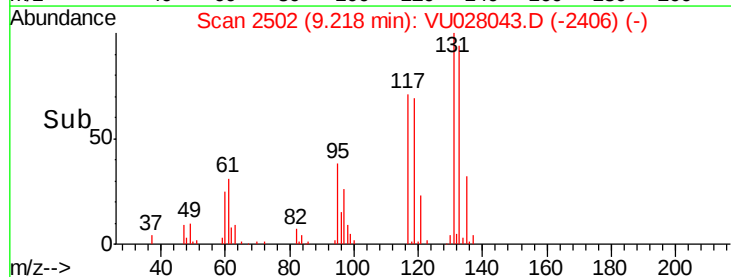
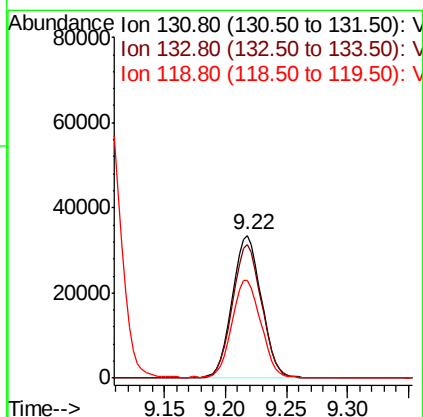
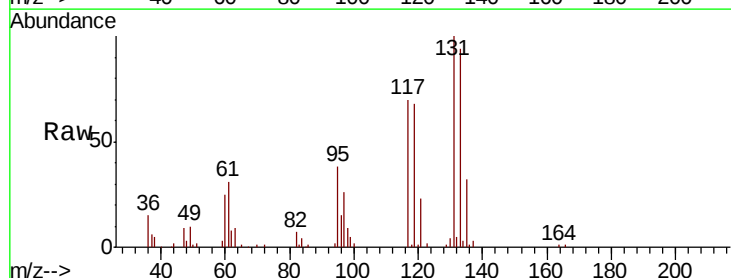
Instrument :
MSVOA_U
ClientSampled :
MW-1

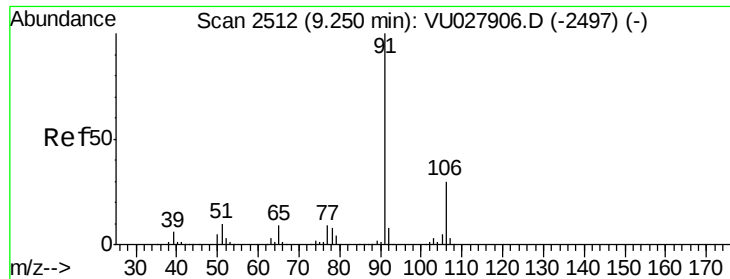
Tot Ion:112 Resp: 21691
Ion Ratio Lower Upper
112 100
114 37.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.388 ug/l
RT: 9.22 min Scan# 2502
Delta R.T. 0.01 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

Tgt Ion:131 Resp: 55185
Ion Ratio Lower Upper
131 100
133 94.9 48.1 144.4
119 69.2 34.0 101.8

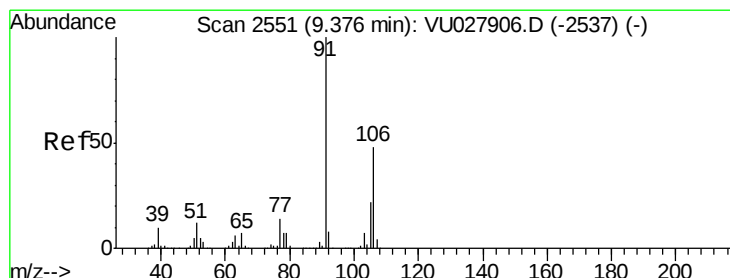
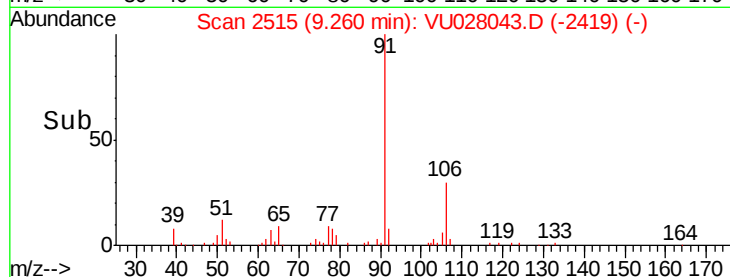
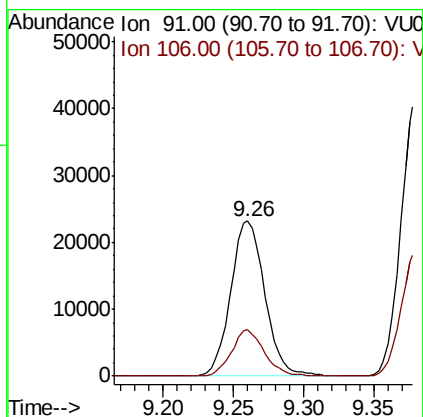
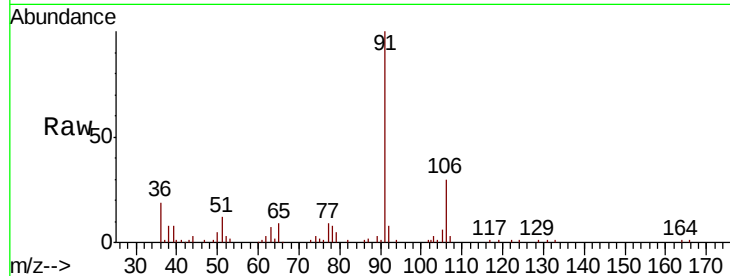




#67
Ethyl Benzene
Concen: 2.570 ug/l
RT: 9.26 min Scan# 2515
Delta R.T. 0.01 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

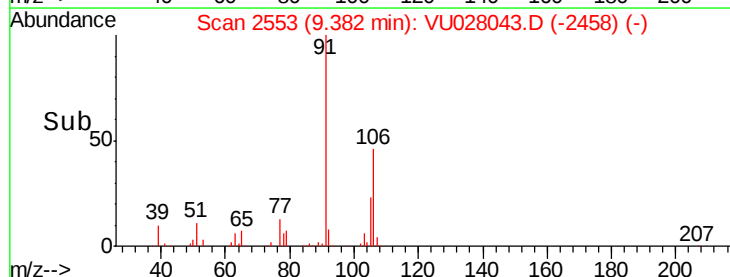
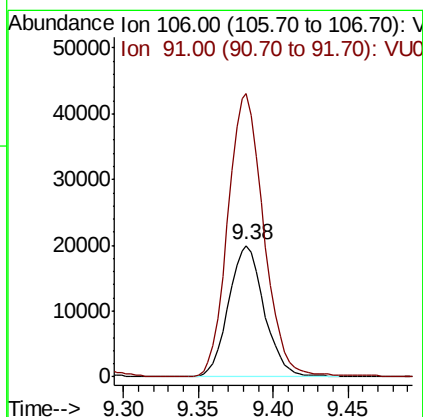
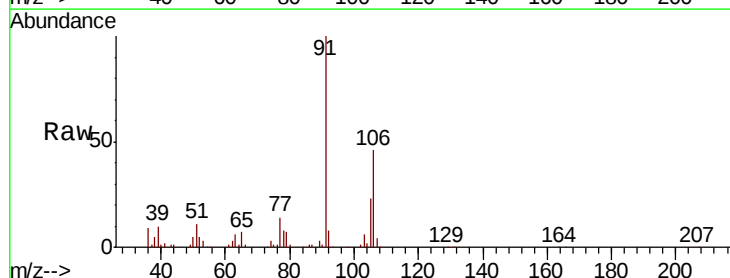
Instrument :
MSVOA_U
ClientSampleId :
MW-1

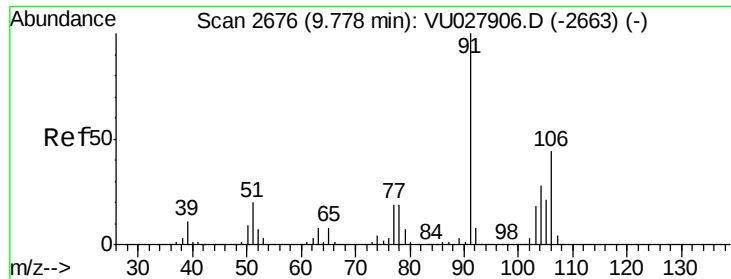
Tot Ion: 91 Resp: 39416
Ion Ratio Lower Upper
91 100
106 29.7 23.6 35.4



#68
m/p-Xylenes
Concen: 5.944 ug/l
RT: 9.38 min Scan# 2553
Delta R.T. 0.01 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

Tgt Ion: 106 Resp: 33084
Ion Ratio Lower Upper
106 100
91 217.5 168.2 252.4

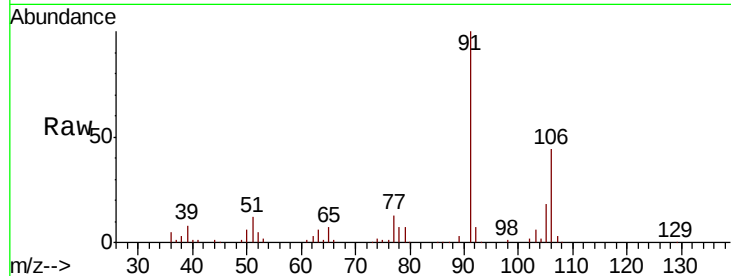




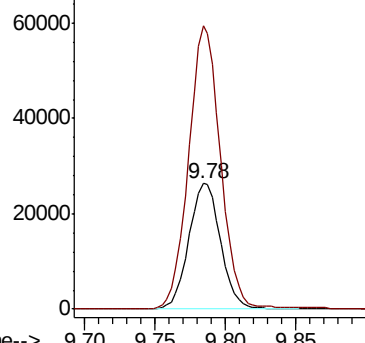
#69
o-Xylene
Concen: 7.411 ug/l
RT: 9.78 min Scan# 2678
Delta R.T. 0.01 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

Instrument :
MSVOA_U
ClientSampleId :
MW-1

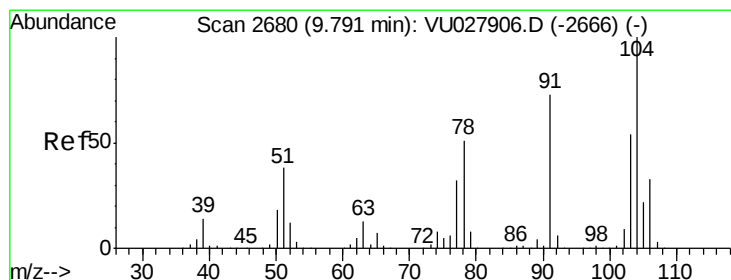
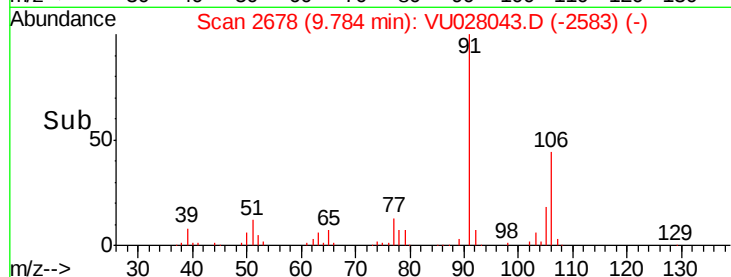
Tot Ion:106 Resp: 41649
Ion Ratio Lower Upper
106 100
91 224.8 111.1 333.4



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

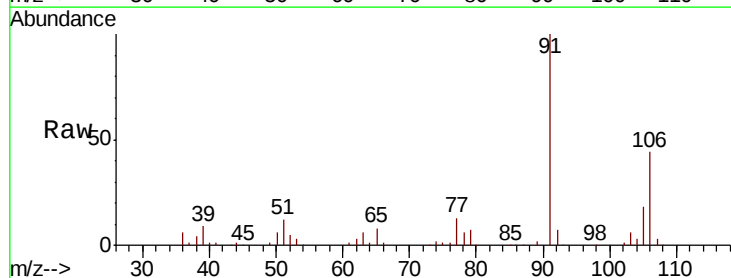


Time-->

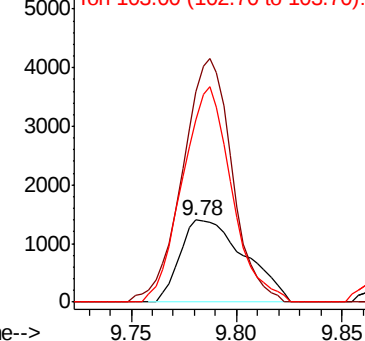


#70
Styrene
Concen: 0.331 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.01 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

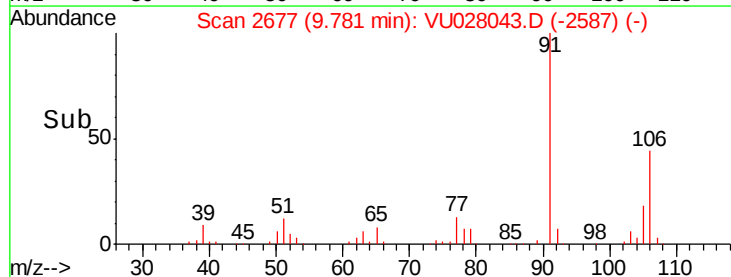
Tgt Ion:104 Resp: 2969
Ion Ratio Lower Upper
104 100
78 227.3 43.0 64.4#
103 200.6 45.1 67.7#

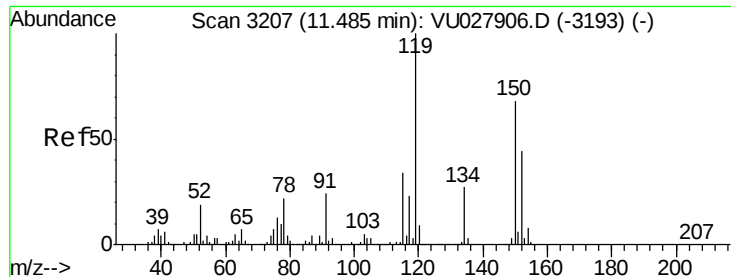


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

MW-1

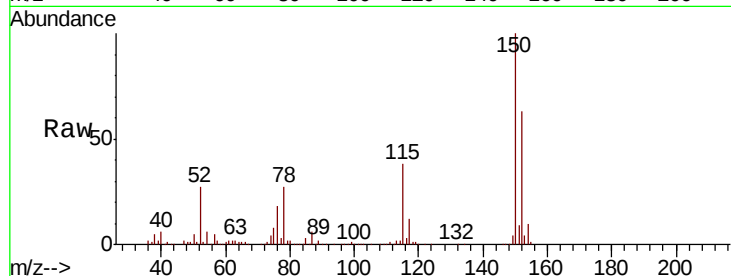
Tot Ion:152 Resp: 195193

Ion Ratio Lower Upper

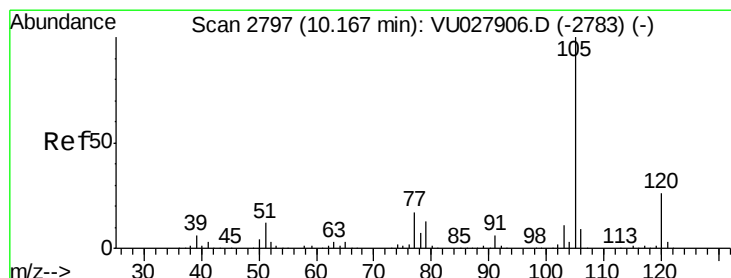
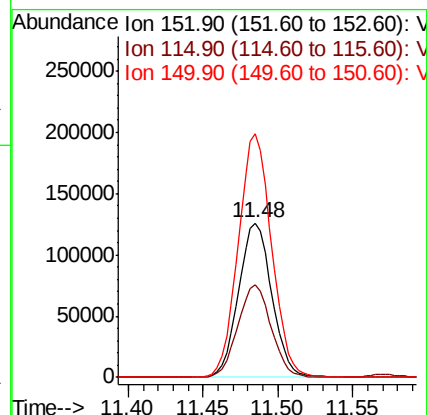
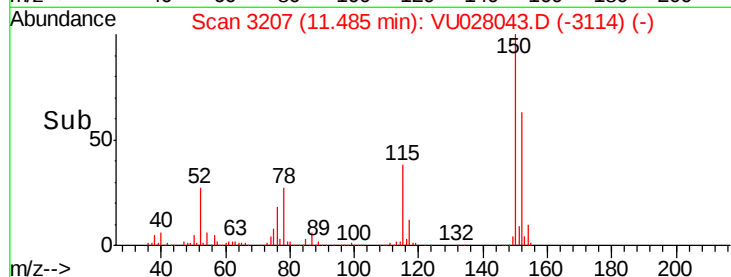
152 100

115 59.9 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: 4.037 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU028043.D

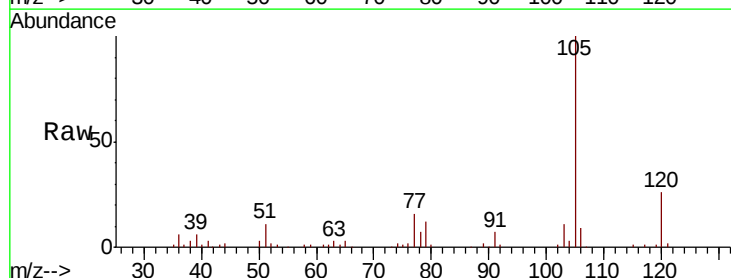
Acq: 09 Nov 2018 14:37

Tgt Ion:105 Resp: 61042

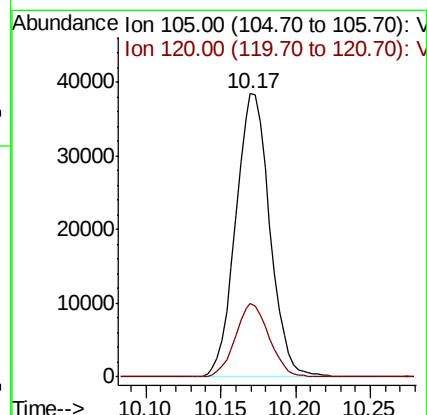
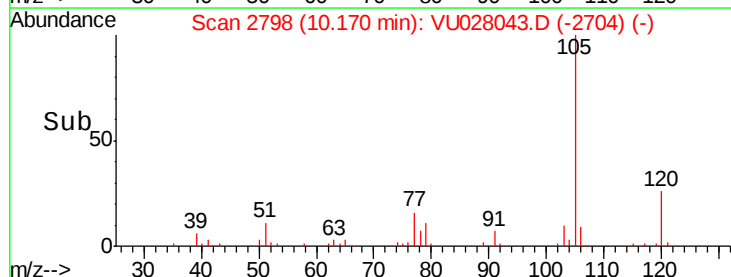
Ion Ratio Lower Upper

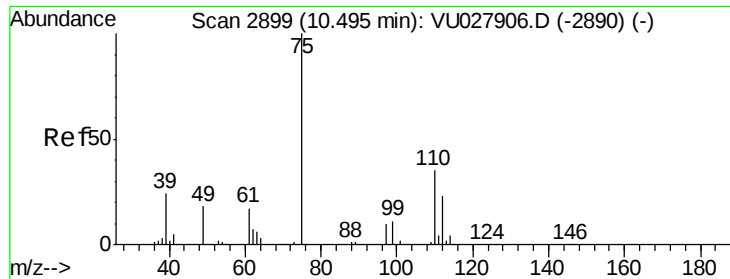
105 100

120 25.4 12.7 38.0



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

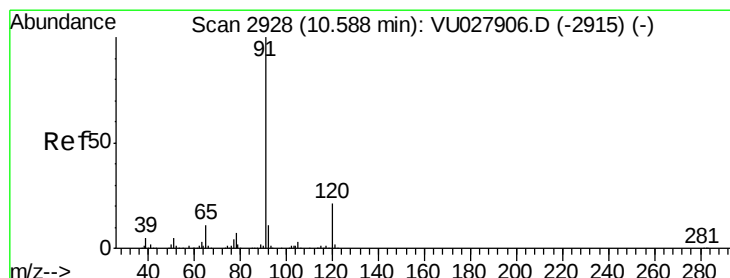
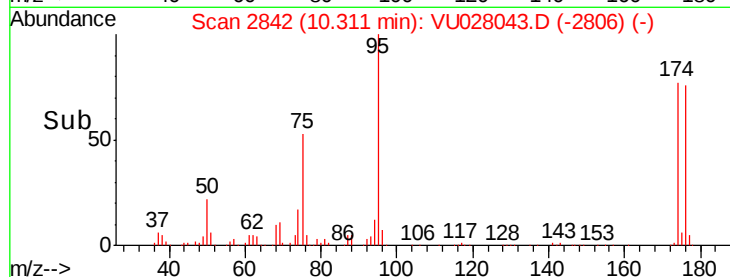
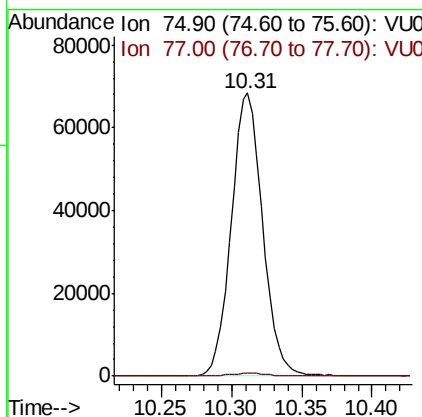
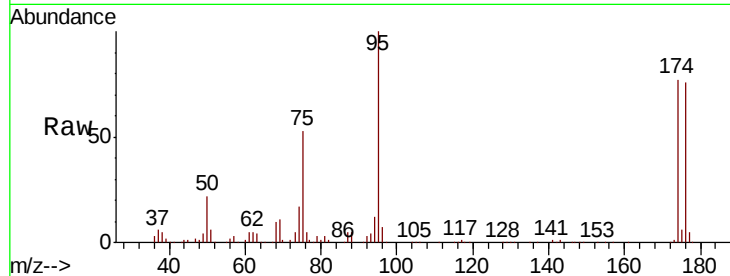




#76
 1,2,3-Trichloropropane
 Concen: 19.943 ug/l
 RT: 10.31 min Scan# 2842
 Delta R.T. -0.18 min
 Lab File: VU028043.D
 Acq: 09 Nov 2018 14:37

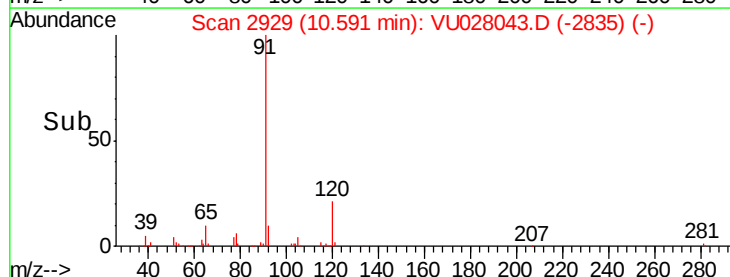
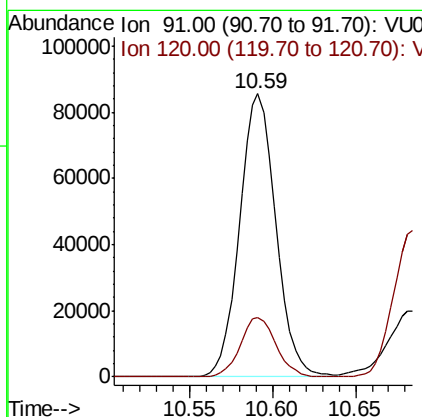
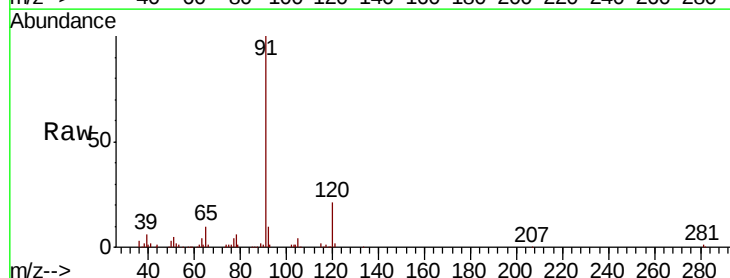
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

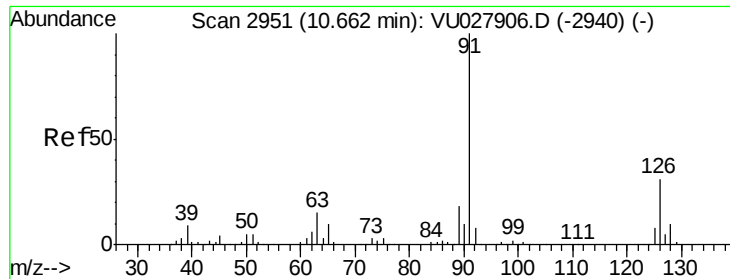
Tot Ion: 75 Resp: 106480
 Ion Ratio Lower Upper
 75 100
 77 0.0 21.6 64.6#



#78
 n-propylbenzene
 Concen: 7.189 ug/l
 RT: 10.59 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VU028043.D
 Acq: 09 Nov 2018 14:37

Tgt Ion: 91 Resp: 130126
 Ion Ratio Lower Upper
 91 100
 120 20.8 10.6 31.8

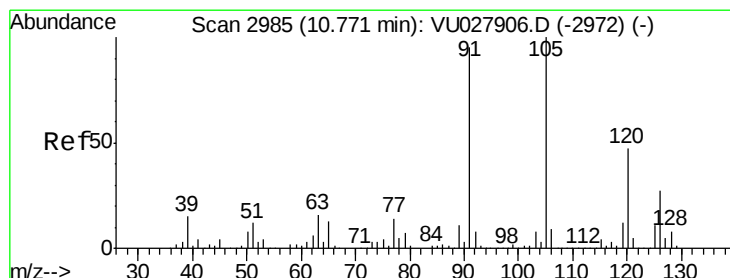
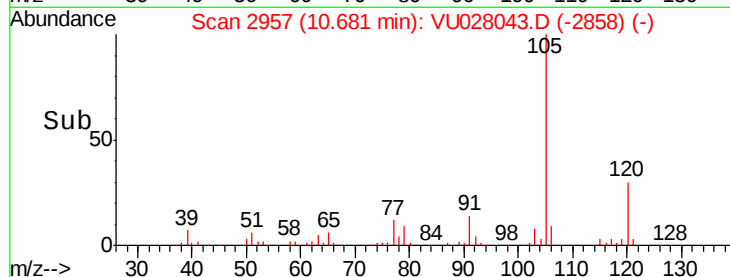
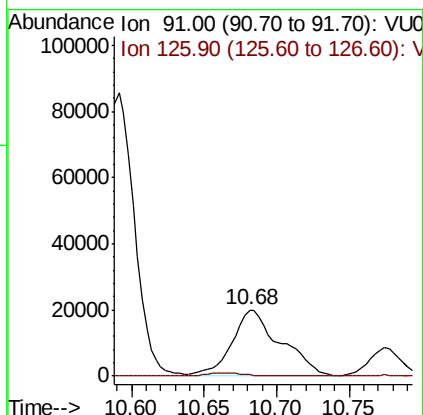
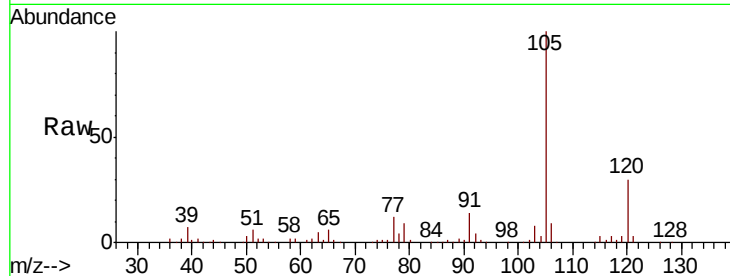




#79
 2-Chlorotoluene
 Concen: 4.312 ug/l
 RT: 10.68 min Scan# 2957
 Delta R.T. 0.02 min
 Lab File: VU028043.D
 Acq: 09 Nov 2018 14:37

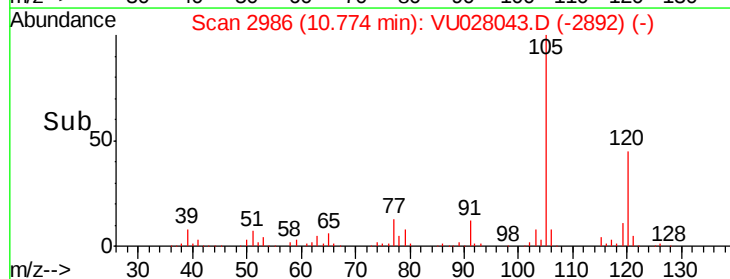
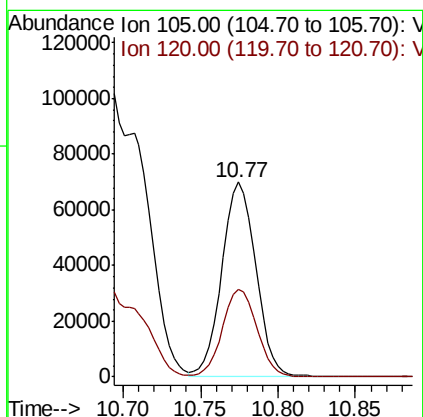
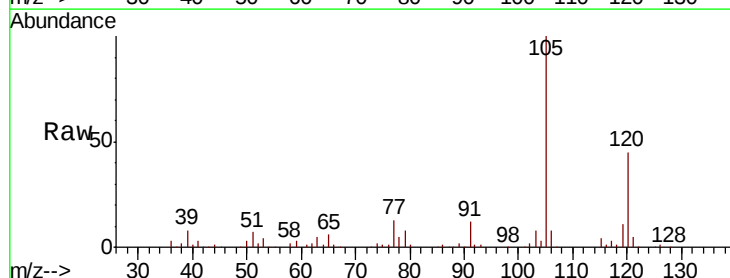
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

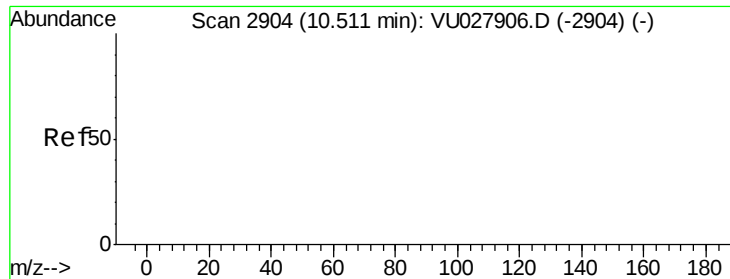
Tot Ion: 91 Resp: 46785
 Ion Ratio Lower Upper
 91 100
 126 3.7 16.0 47.9#



#80
 1,3,5-Trimethylbenzene
 Concen: 8.590 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU028043.D
 Acq: 09 Nov 2018 14:37

Tgt Ion: 105 Resp: 107608
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 49.796 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.20 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

MW-1

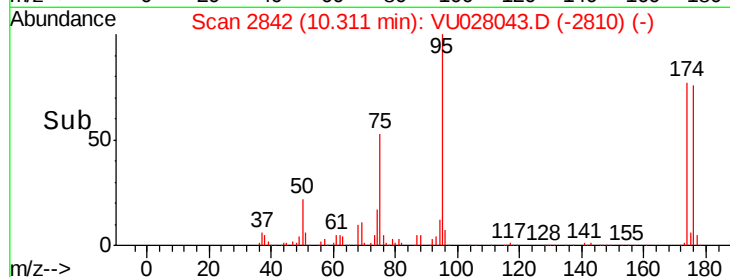
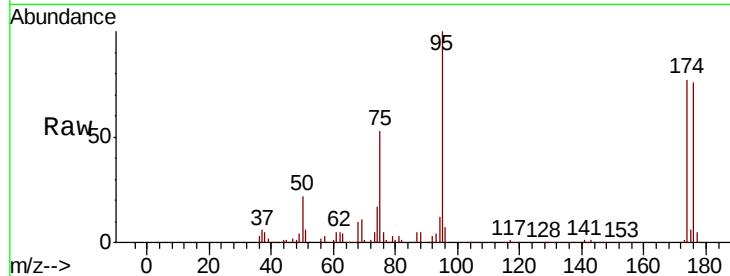
Tot Ion: 75 Resp: 106480

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

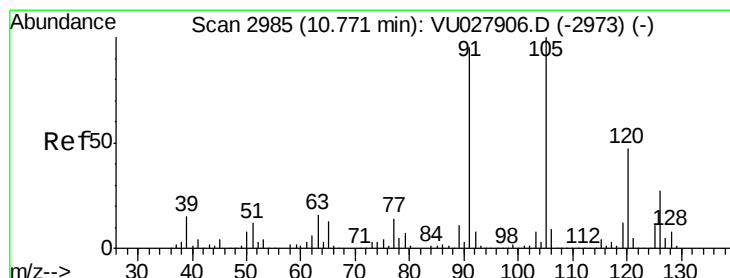
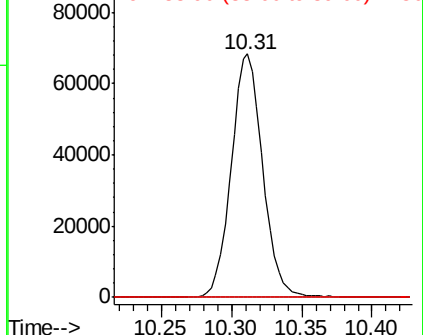
89 0.0 0.0 0.0



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: 1.085 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028043.D

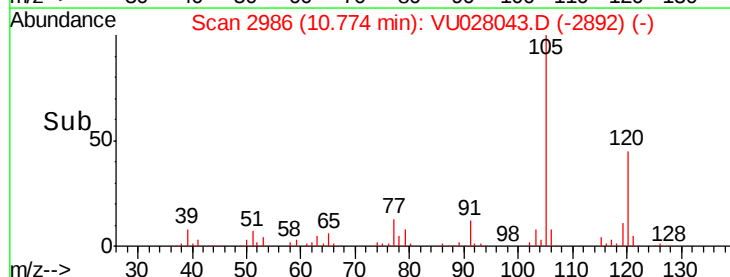
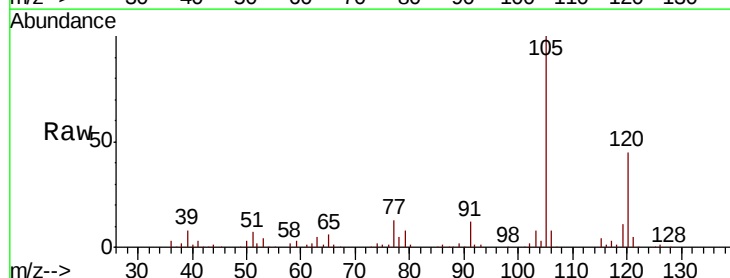
Acq: 09 Nov 2018 14:37

Tgt Ion: 91 Resp: 13360

Ion Ratio Lower Upper

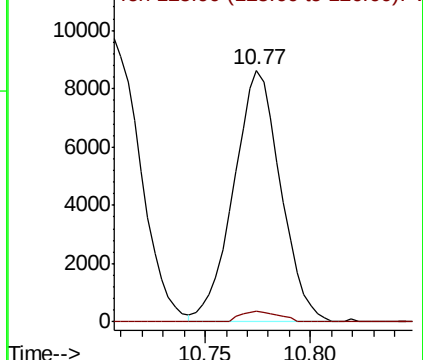
91 100

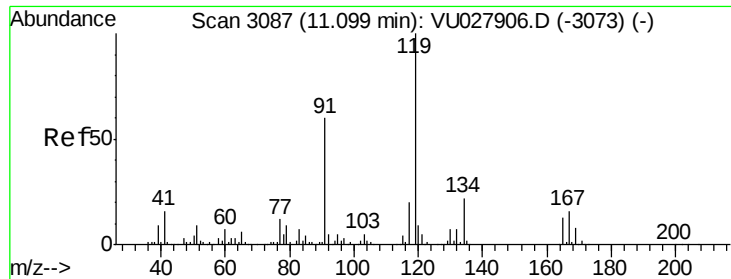
126 3.4 14.2 42.6#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

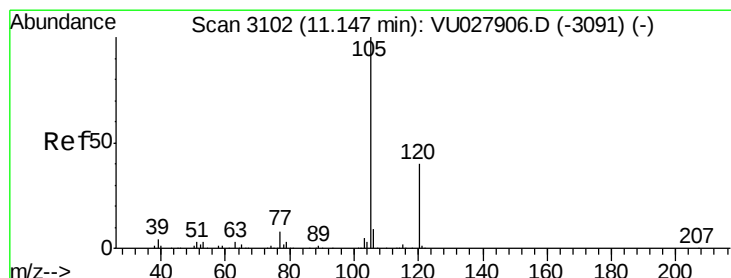
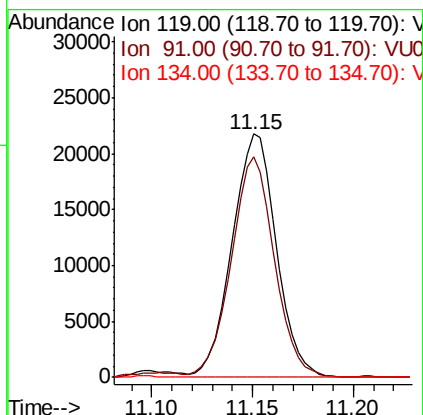
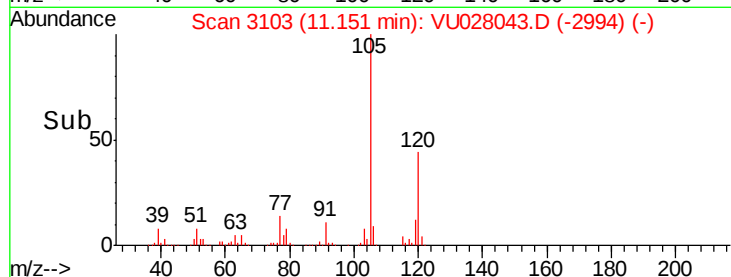
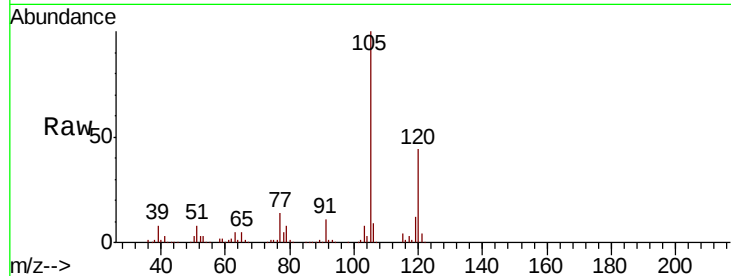




#83
tert-Butylbenzene
Concen: 2.671 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.05 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

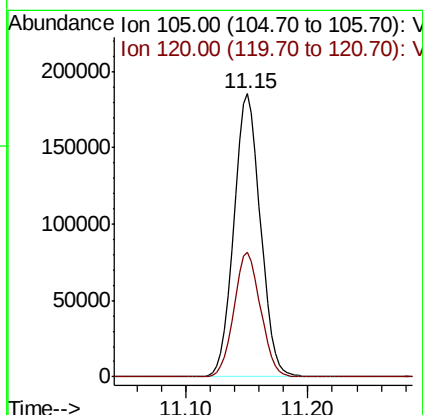
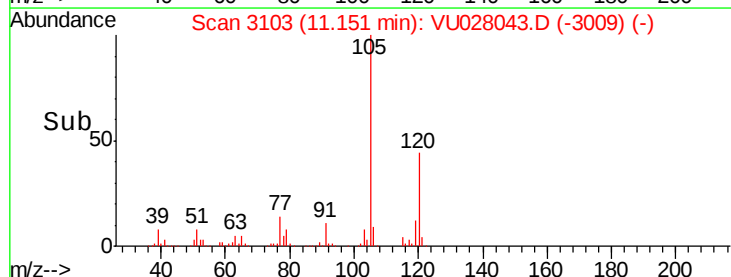
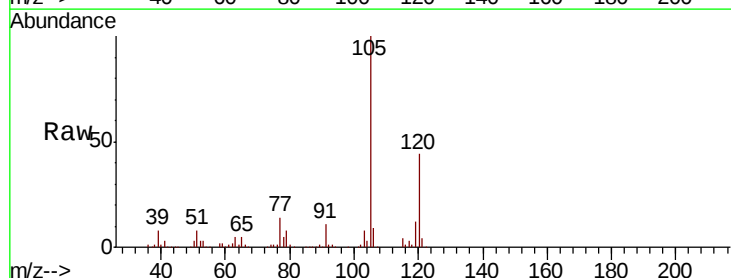
Instrument :
MSVOA_U
ClientSampleId :
MW-1

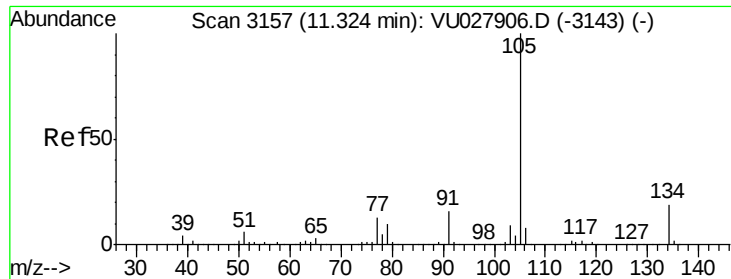
Tot Ion:119 Resp: 33450
Ion Ratio Lower Upper
119 100
91 88.3 29.8 89.3
134 0.0 11.1 33.1#



#84
1,2,4-Trimethylbenzene
Concen: 22.216 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU028043.D
Acq: 09 Nov 2018 14:37

Tgt Ion:105 Resp: 280230
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.1





#85

sec-Butylbenzene

Concen: 18.400 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. -0.17 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampled :

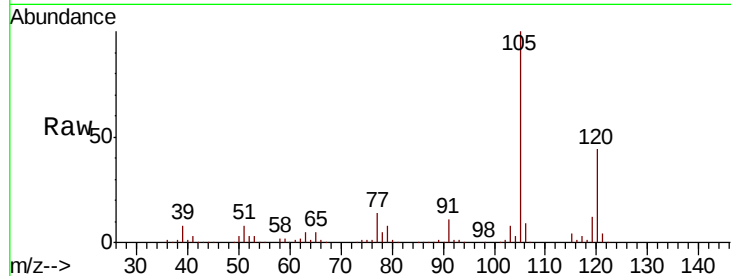
MW-1

Tot Ion:105 Resp: 280230

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

11.15

200000

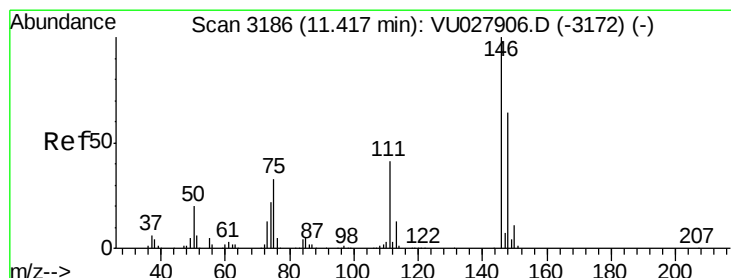
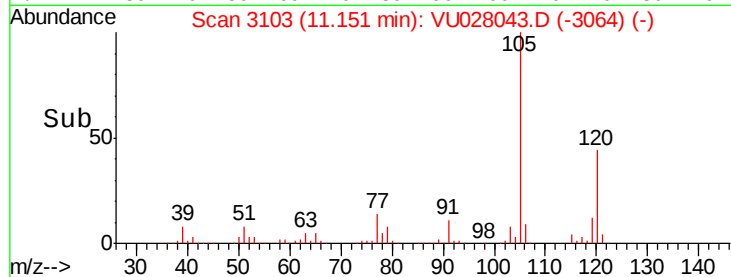
150000

100000

50000

0

Time-->



#87

1,3-Dichlorobenzene

Concen: 0.366 ug/l

RT: 11.42 min Scan# 3188

Delta R.T. 0.01 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

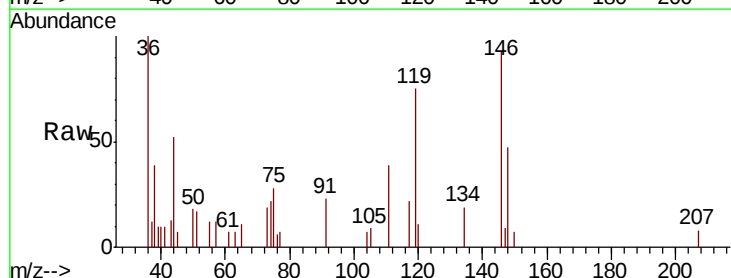
Tgt Ion:146 Resp: 2342

Ion Ratio Lower Upper

146 100

111 37.3 20.3 61.0

148 58.0 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

2500

2000

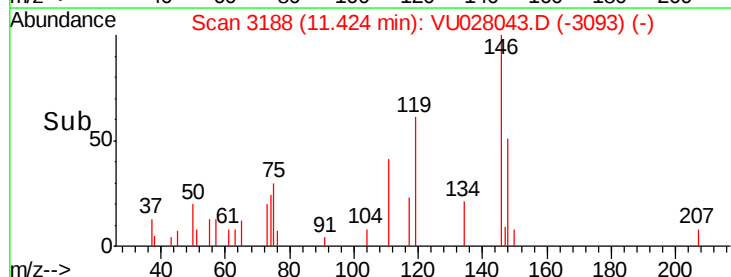
1500

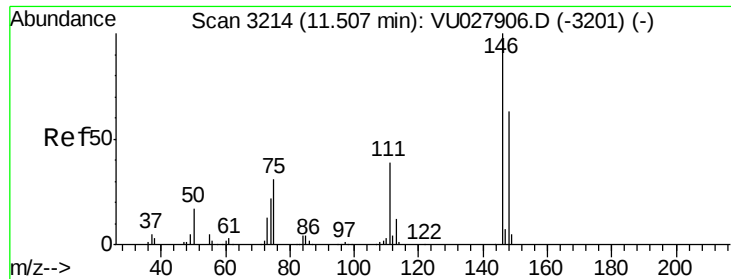
1000

500

0

Time-->





#88

1,4-Dichlorobenzene

Concen: 1.268 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

MW-1

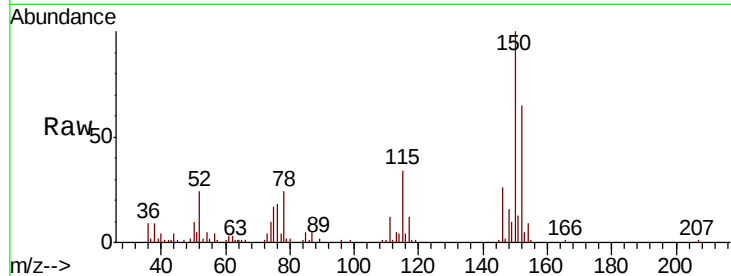
Tot Ion:146 Resp: 8326

Ion Ratio Lower Upper

146 100

111 37.5 20.3 60.9

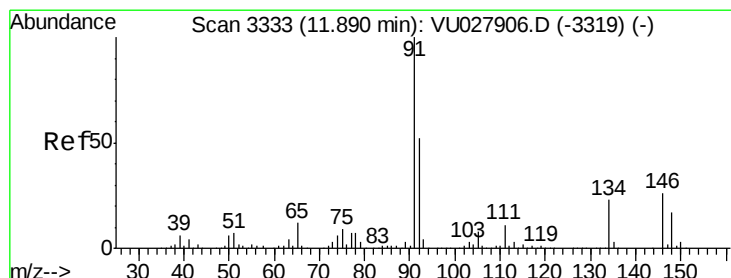
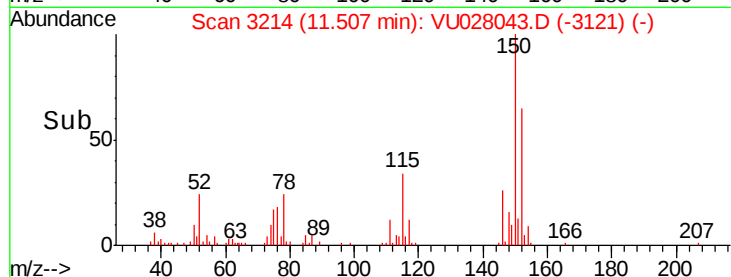
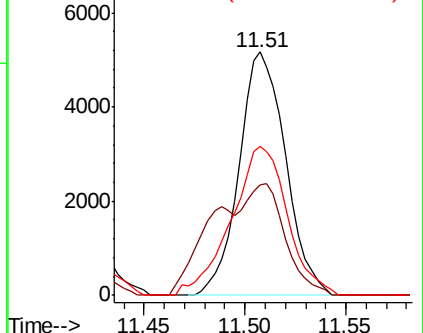
148 73.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.762 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

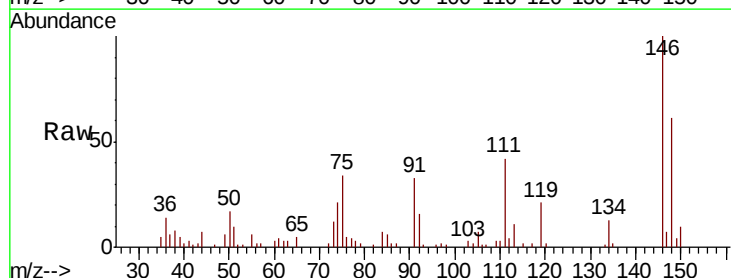
Tgt Ion: 91 Resp: 9226

Ion Ratio Lower Upper

91 100

92 38.7 26.2 78.5

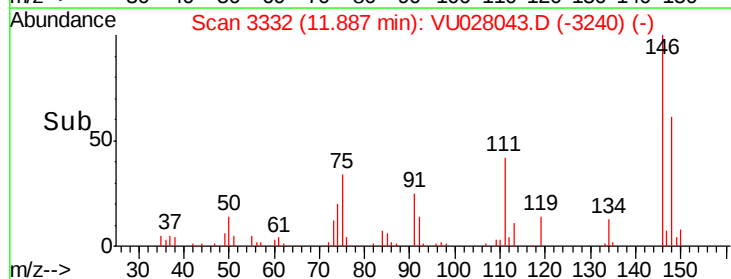
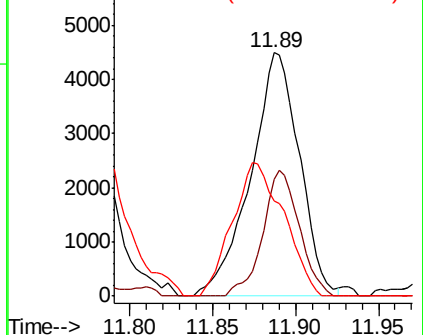
134 57.5 11.5 34.5#

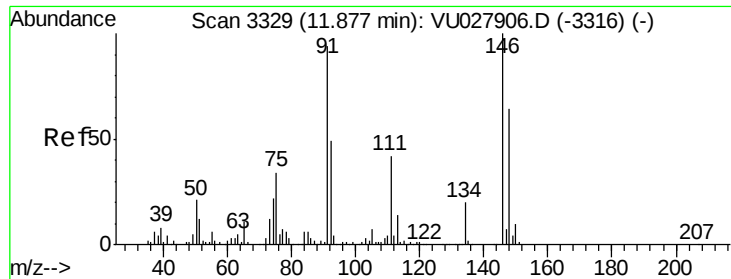


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

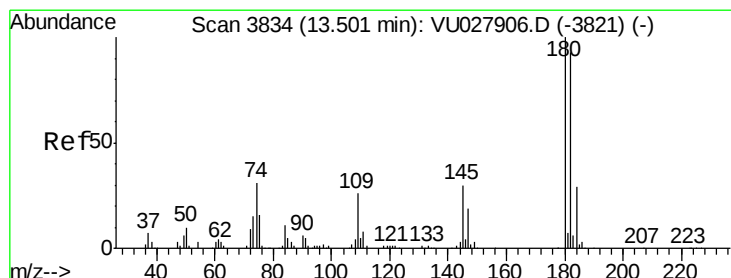
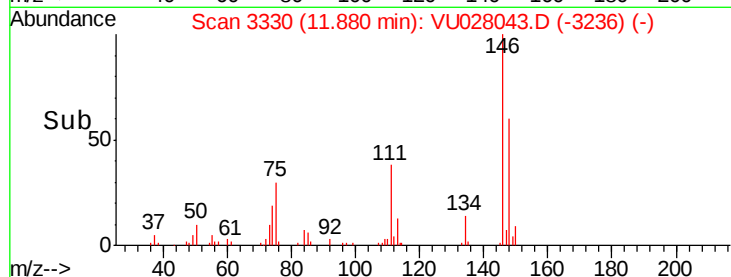
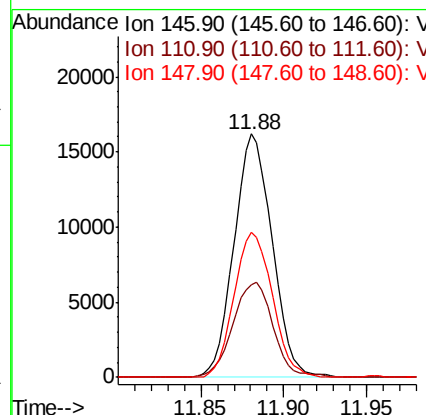
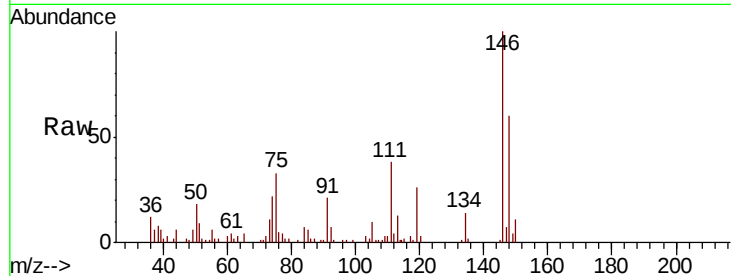




#91
 1,2-Dichlorobenzene
 Concen: 4.016 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028043.D
 Acq: 09 Nov 2018 14:37

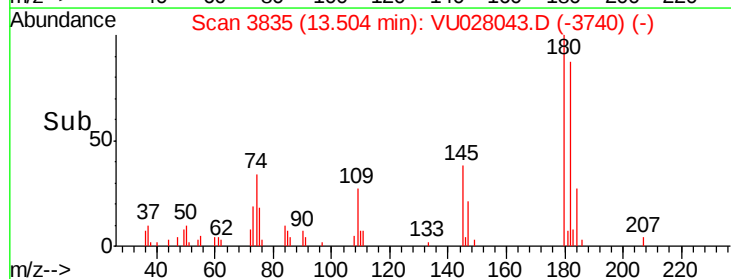
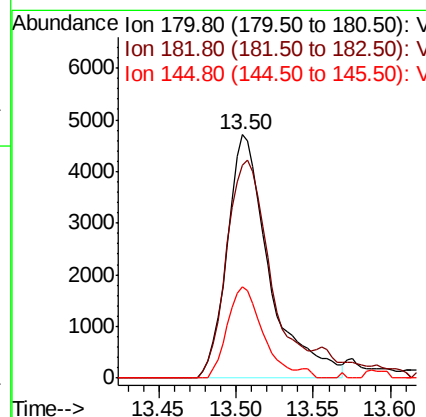
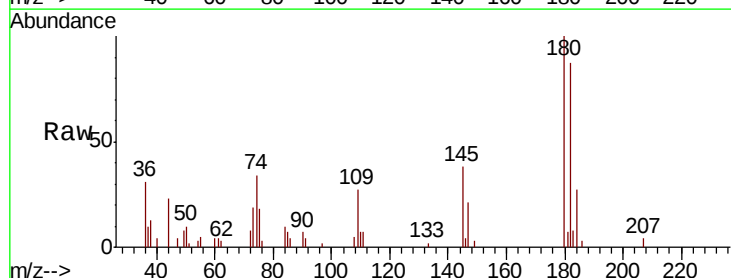
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1

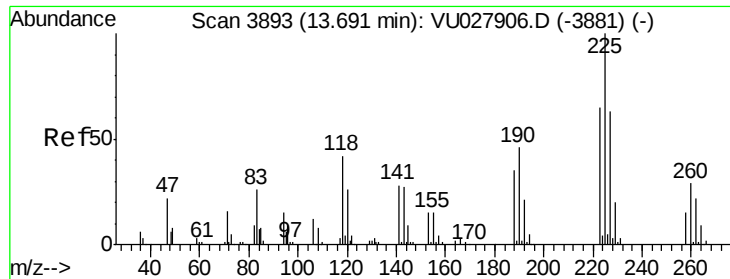
Tot Ion:146 Resp: 25869
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.3 64.0
 148 59.7 31.8 95.3



#93
 1,2,4-Trichlorobenzene
 Concen: 2.630 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028043.D
 Acq: 09 Nov 2018 14:37

Tgt Ion:180 Resp: 8910
 Ion Ratio Lower Upper
 180 100
 182 92.6 48.4 145.2
 145 32.4 14.9 44.5





#94

Hexachlorobutadiene

Concen: 0.289 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

MW-1

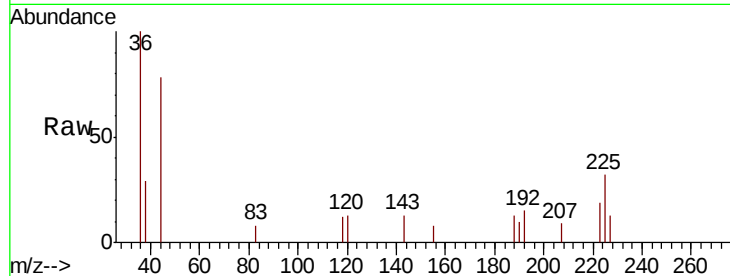
Tot Ion:225 Resp: 591

Ion Ratio Lower Upper

225 100

223 38.7 32.2 96.6

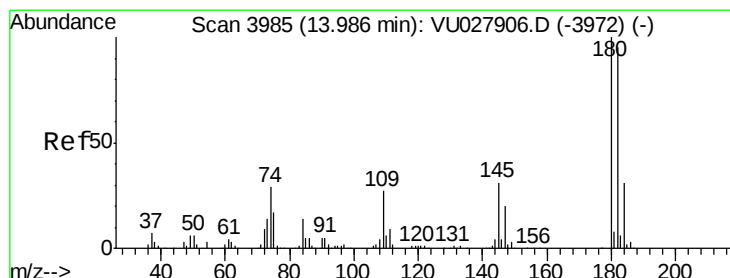
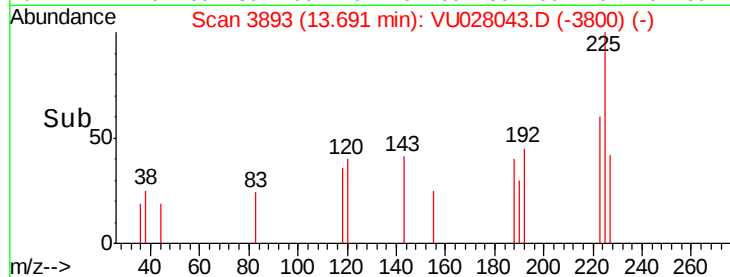
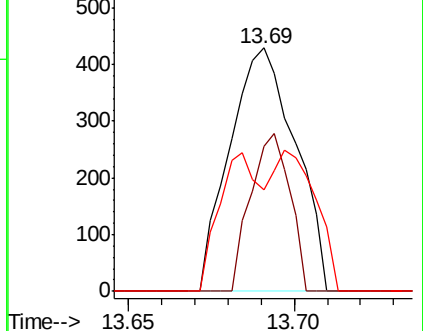
227 38.4 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#96

1,2,3-Trichlorobenzene

Concen: 0.477 ug/l

RT: 13.99 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VU028043.D

Acq: 09 Nov 2018 14:37

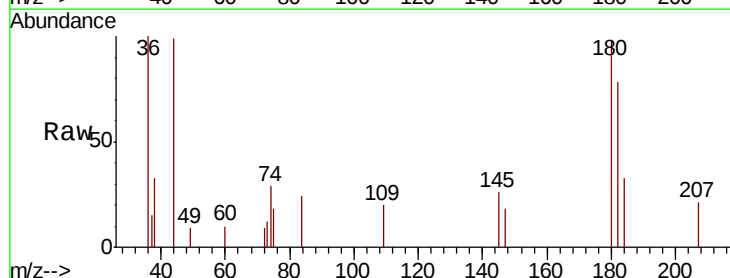
Tgt Ion:180 Resp: 2063

Ion Ratio Lower Upper

180 100

182 101.7 47.4 142.3

145 33.3 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

