

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121818\
 Data File : VW007605.D
 Acq On : 16 Dec 2018 02:57
 Operator : SY/AP
 Sample : J6378-11
 Misc : 3.36G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 17 00:14:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	42739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	74617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	32503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	8230	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	32556	68.66	ug/l	0.00
Spiked Amount			Recovery	=	137.32%	
35) Dibromofluoromethane	7.89	113	26583	58.85	ug/l	0.00
Spiked Amount			Recovery	=	117.70%	
50) Toluene-d8	10.35	98	64731	38.22	ug/l	0.02
Spiked Amount			Recovery	=	76.44%	
62) 4-Bromofluorobenzene	12.62	95	11126	17.87	ug/l	0.00
Spiked Amount			Recovery	=	35.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	3256	11.092	ug/l	98
11) Tert butyl alcohol	5.18	59	101	3.102	ug/l #	74
13) Acrolein	4.12	56	87	4.038	ug/l #	14
15) Acrylonitrile	5.43	53	40687	467.272	ug/l #	38
16) Acetone	4.12	43	12324	148.803	ug/l	96
20) Methylene Chloride	4.92	84	3168	3.339	ug/l #	1
25) 2-Butanone	7.18	43	8283	76.607	ug/l	97
26) 2,2-Dichloropropane	6.98	77	15875	29.878	ug/l #	52
27) cis-1,2-Dichloroethene	7.17	96	38353	74.684	ug/l	92
30) Chloroform	7.64	83	1020	1.167	ug/l #	18
31) Cyclohexane	7.96	56	296571	402.626	ug/l	95
36) 1,1-Dichloropropene	7.96	75	3705	5.443	ug/l #	6
37) Ethyl Acetate	7.18	43	8283	32.717	ug/l #	1
38) Carbon Tetrachloride	7.95	117	4741	6.401	ug/l #	16
39) Methylcyclohexane	9.34	83	353607	429.013	ug/l	92
40) Benzene	8.32	78	488581	258.643	ug/l	100
41) Methacrylonitrile	7.52	41	297	2.060	ug/l #	51
42) 1,2-Dichloroethane	8.41	62	1716	2.892	ug/l #	76
43) Isopropyl Acetate	8.43	43	14856	29.707	ug/l #	52
45) 1,2-Dichloropropane	9.34	63	3918	8.963	ug/l #	1
48) Methyl methacrylate	9.52	41	8901	34.656	ug/l #	58
51) 4-Methyl-2-Pentanone	10.10	43	97591	413.011	ug/l #	40
53) t-1,3-Dichloropropene	10.40	75	277260	438.594	ug/l #	1
55) 1,1,2-Trichloroethane	10.77	97	33113	98.007	ug/l #	25
56) Ethyl methacrylate	10.63	69	3157	7.774	ug/l #	25
58) 2-Chloroethyl Vinyl ether	9.96	63	520	2.777	ug/l #	43
59) 2-Hexanone	10.94	43	41263	261.889	ug/l #	30
65) Chlorobenzene	11.66	112	2269495	3349.977	ug/l #	85
67) Ethyl Benzene	11.74	91	15694274	13474.348	ug/l	92
68) m/p-Xylenes	11.86	106	20587118	45465.761	ug/l #	1
69) o-Xylene	12.18	106	7176969	16971.251	ug/l	100
70) Styrene	12.18	104	398998	584.136	ug/l #	1
73) Isopropylbenzene	12.47	105	184254	292.181	ug/l	96
74) N-amyl acetate	12.26	43	18473	161.183	ug/l #	65

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

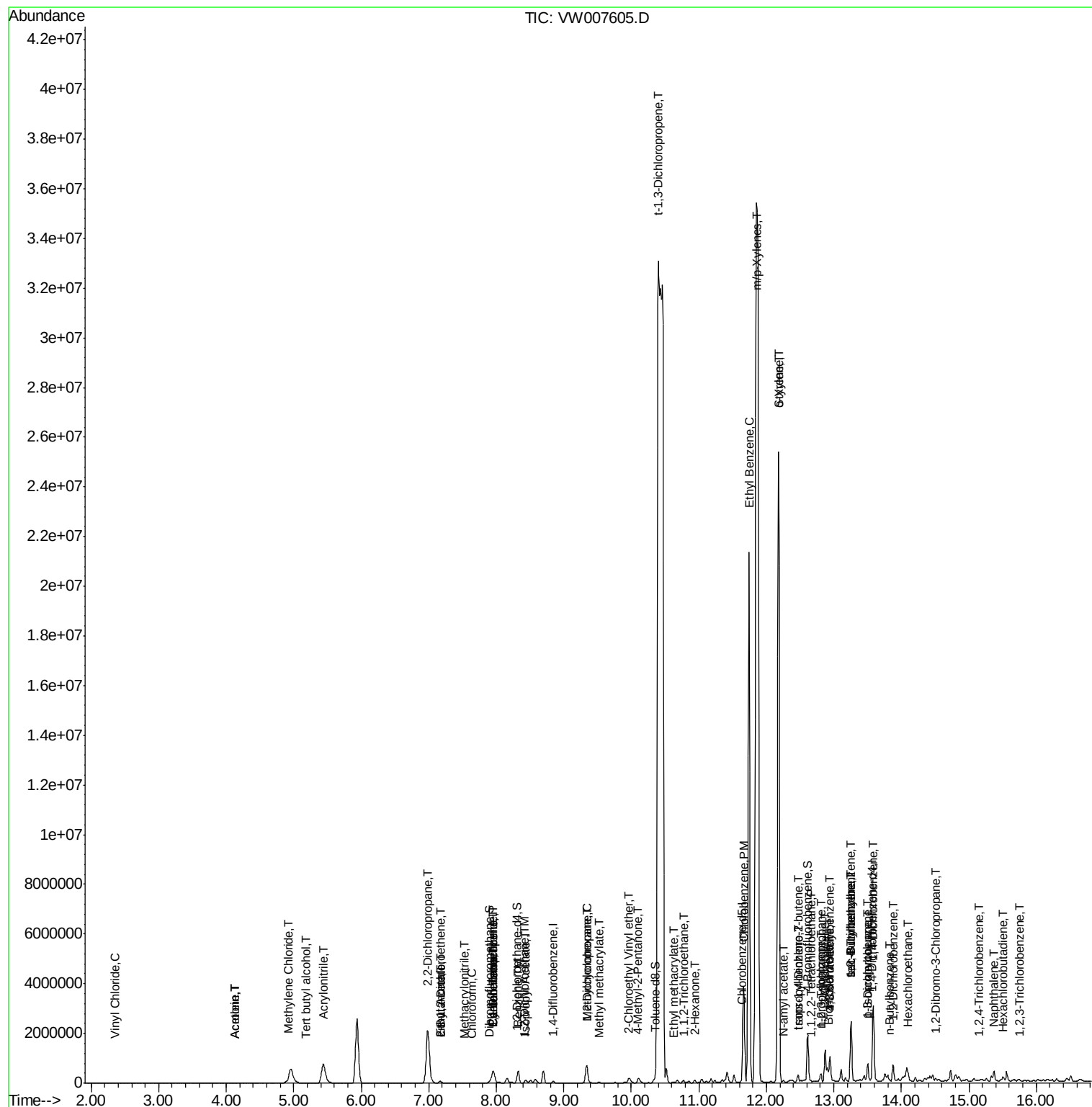
75) 1,1,2,2-Tetrachloroethane	12.68	83	2550	27.302	ug/l	93
76) 1,2,3-Trichloropropane	12.81	75	1843	27.159	ug/l #	1
77) Bromobenzene	12.92	156	14037	100.420	ug/l #	1
78) n-propylbenzene	12.81	91	264407	372.563	ug/l	93
79) 2-Chlorotoluene	12.87	91	104335	242.966	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.95	105	411296	776.218	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.47	75	2685	87.405	ug/l #	47
82) 4-Chlorotoluene	12.95	91	41548	91.787	ug/l #	44
83) tert-Butylbenzene	13.26	119	172707	369.909	ug/l #	62
84) 1,2,4-Trimethylbenzene	13.26	105	1375379	2522.404	ug/l	99
85) sec-Butylbenzene	13.26	105	1375379	2157.920	ug/l #	54
86) p-Isopropyltoluene	13.51	119	266538	465.497	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	87448	313.773	ug/l	95
88) 1,4-Dichlorobenzene	13.58	146	1006180	3591.145	ug/l	98
89) n-Butylbenzene	13.83	91	28837	54.326	ug/l #	71
90) Hexachloroethane	14.10	117	13942	136.846	ug/l #	14
91) 1,2-Dichlorobenzene	13.87	146	59469	238.239	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	371	19.793	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.15	180	972	5.658	ug/l #	1
94) Hexachlorobutadiene	15.51	225	283	3.105	ug/l #	1
95) Naphthalene	15.38	128	351439	1069.406	ug/l	98
96) 1,2,3-Trichlorobenzene	15.76	180	627	4.202	ug/l	59

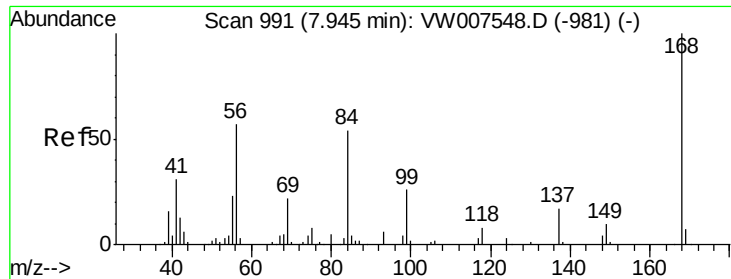
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007605.D

Acq: 16 Dec 2018 02:57

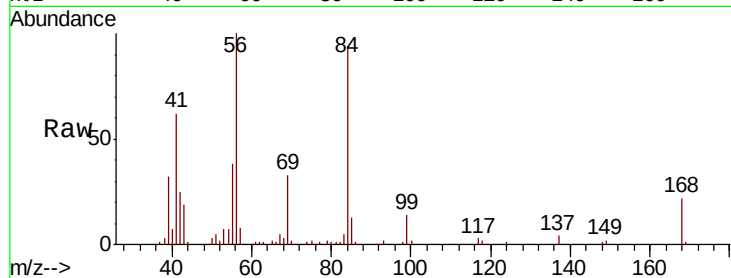
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 42739

Ion Ratio Lower Upper

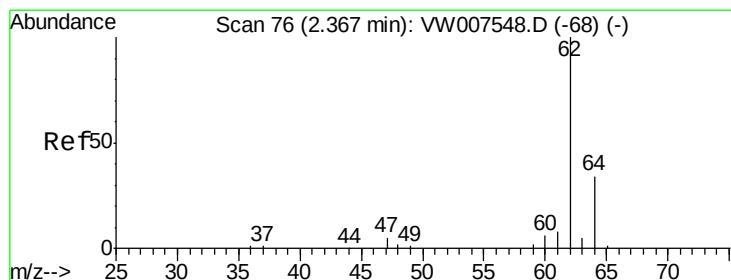
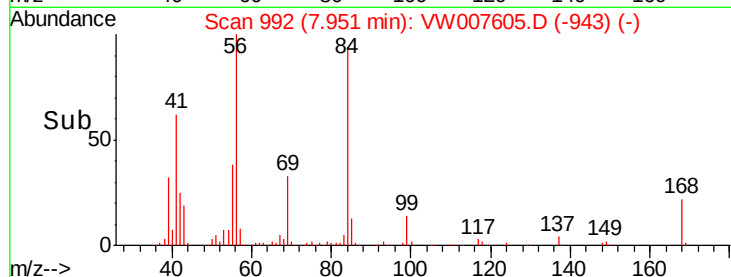
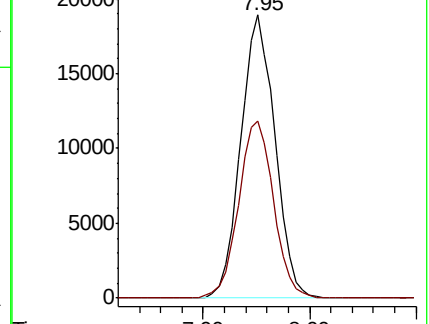
168 100

99 62.7 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 11.092 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007605.D

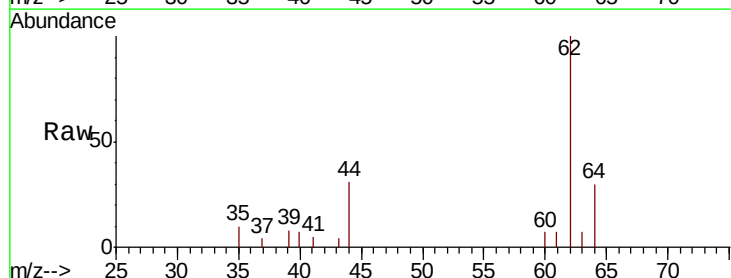
Acq: 16 Dec 2018 02:57

Tgt Ion: 62 Resp: 3256

Ion Ratio Lower Upper

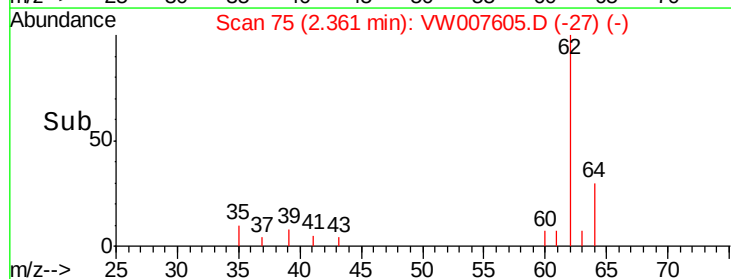
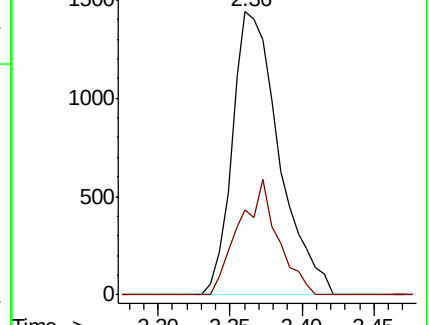
62 100

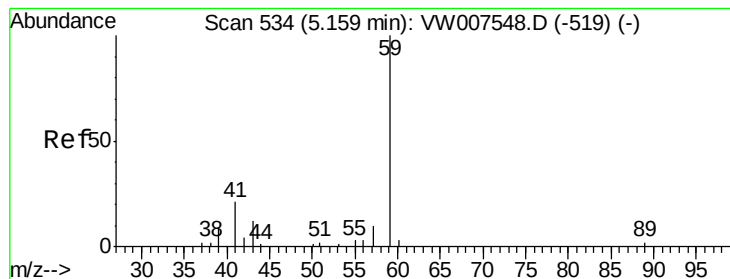
64 29.8 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW



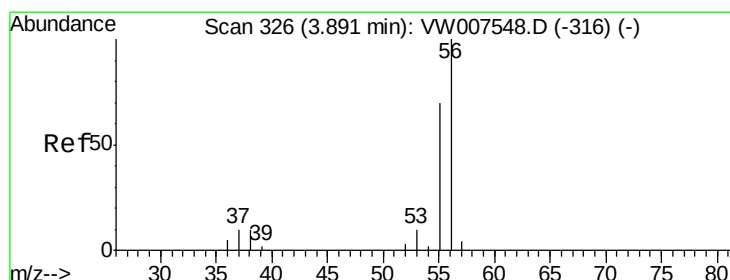
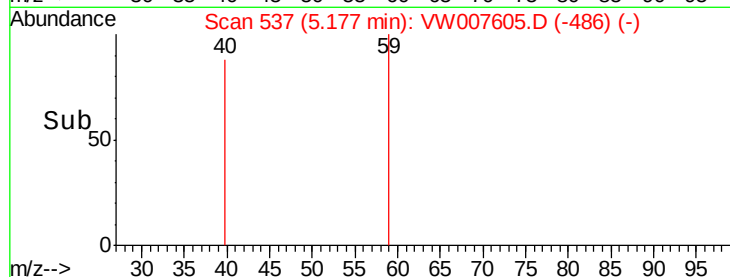
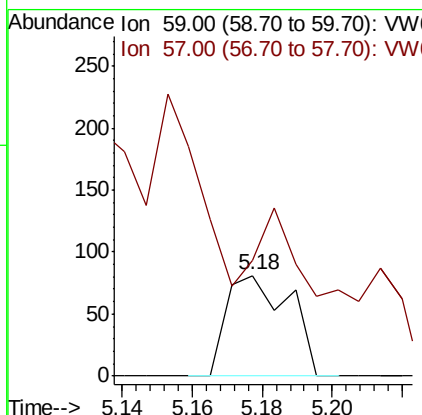
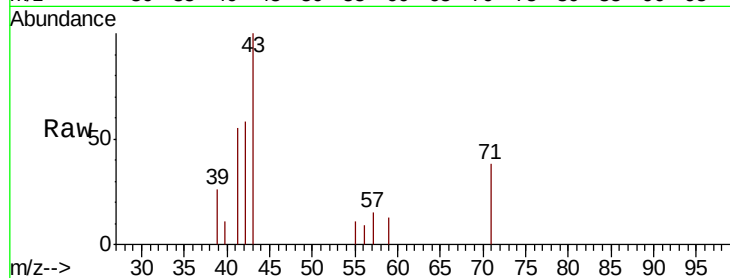


#11

Tert butyl alcohol
 Concen: 3.102 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

Instrument :
 MSVOA_W
 ClientSampleId :

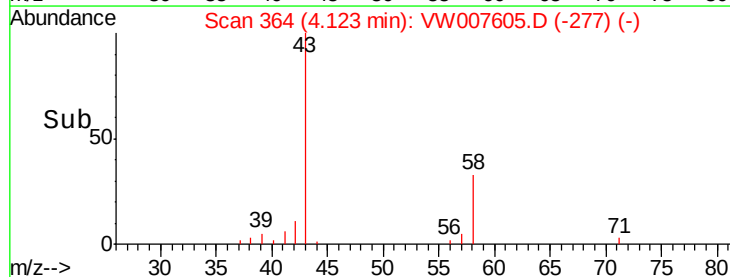
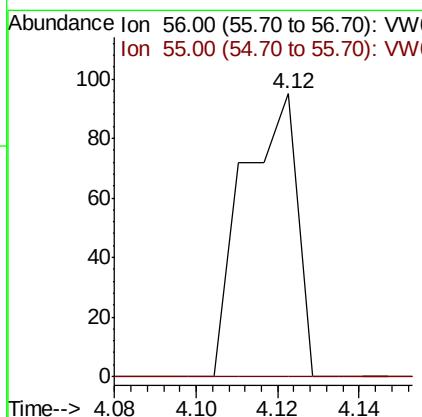
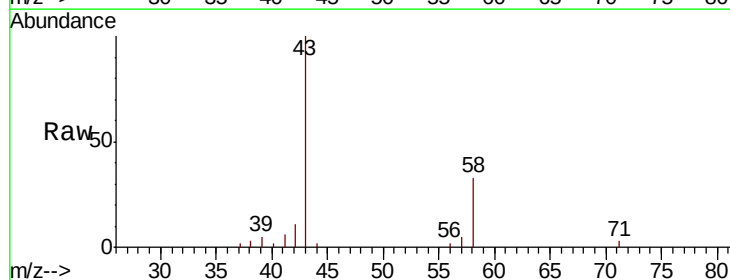
Tot Ion: 59 Resp: 101
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

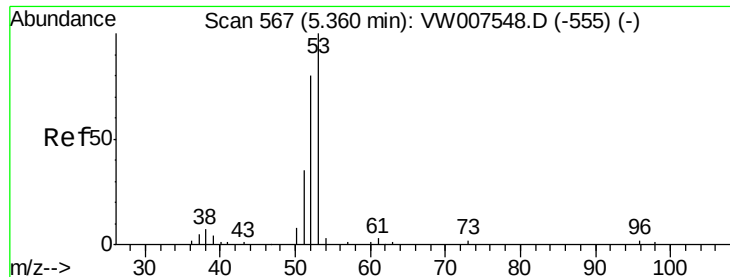


#13

Acrolein
 Concen: 4.038 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.23 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

Tgt Ion: 56 Resp: 87
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.4 86.2#





#15

Acrylonitrile

Concen: 467.272 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.07 min

Lab File: VW007605.D

Acq: 16 Dec 2018 02:57

Instrument :
MSVOA_W
ClientSampled :

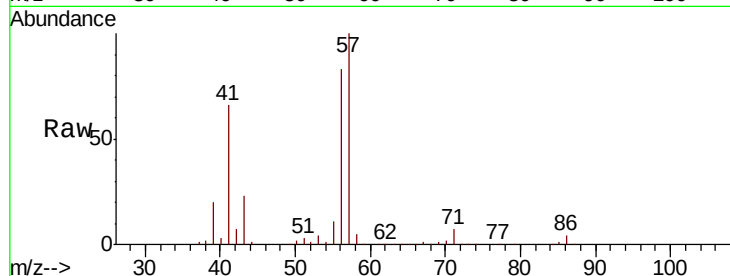
Tot Ion: 53 Resp: 40687

Ion Ratio Lower Upper

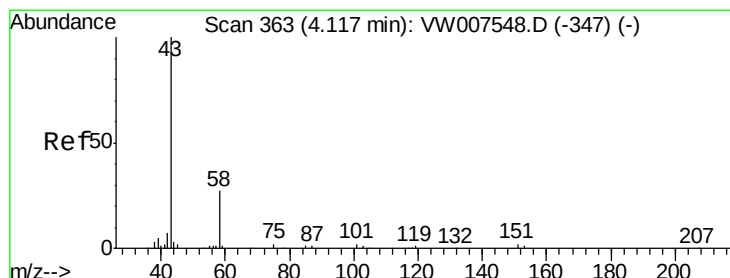
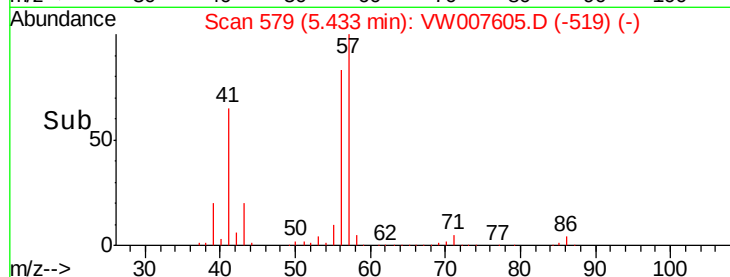
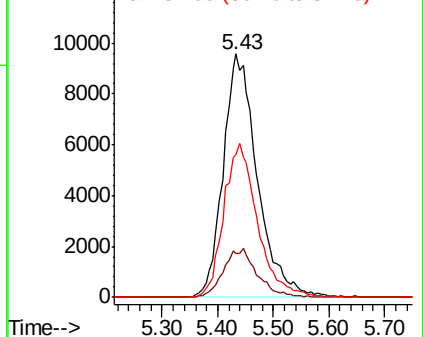
53 100

52 19.6 67.4 101.2#

51 62.2 30.2 45.2#



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



#16

Acetone

Concen: 148.803 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007605.D

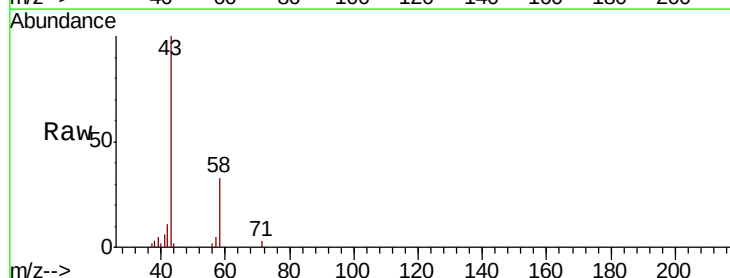
Acq: 16 Dec 2018 02:57

Tgt Ion: 43 Resp: 12324

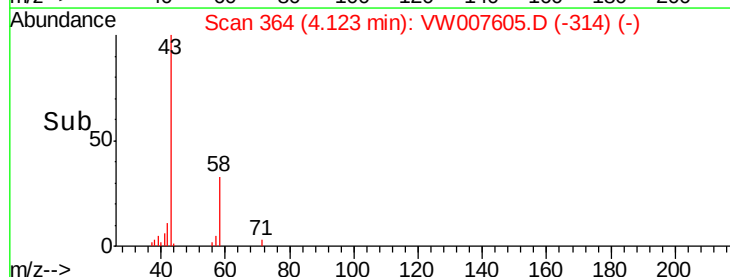
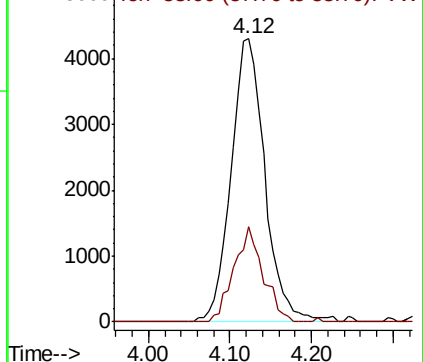
Ion Ratio Lower Upper

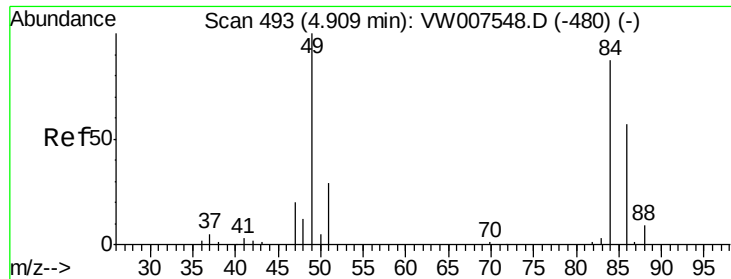
43 100

58 33.4 24.9 37.3



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

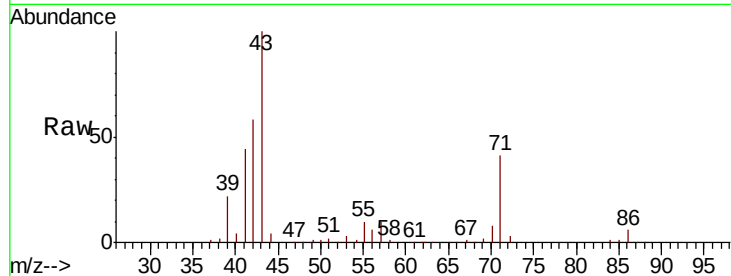




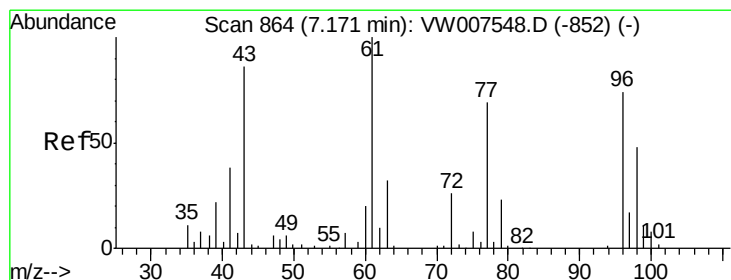
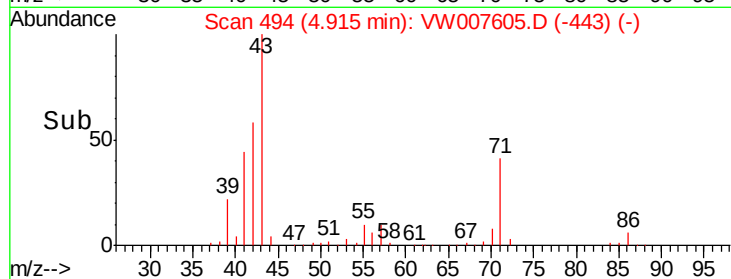
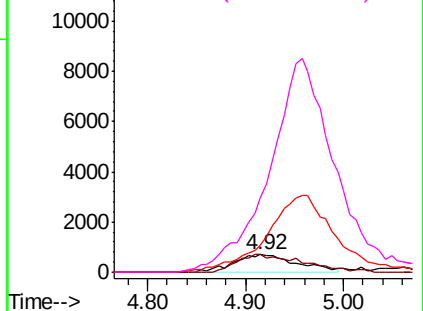
#20
Methylene Chloride
Concen: 3.339 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 3168
Ion Ratio Lower Upper
84 100
49 100.0 87.1 130.7
51 142.0 28.2 42.2#
86 403.9 50.8 76.2#

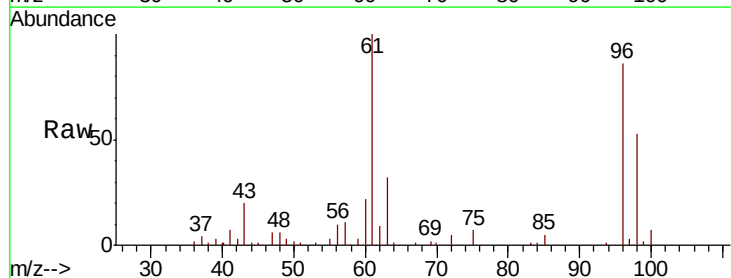


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

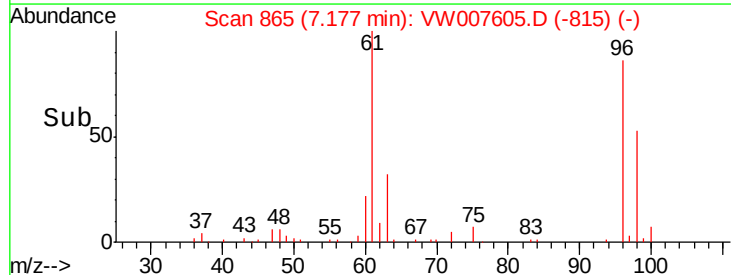
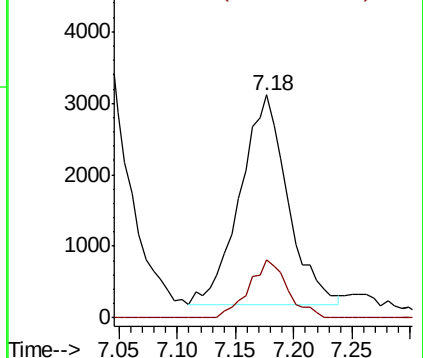


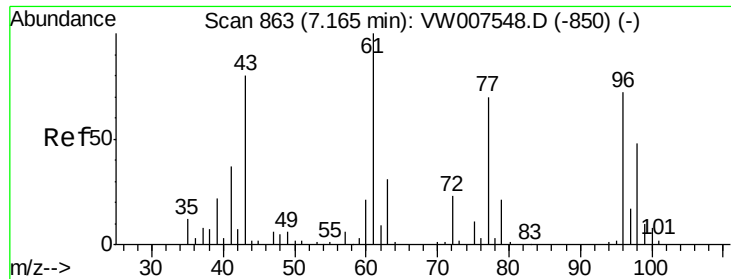
#25
2-Butanone
Concen: 76.607 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

Tgt Ion: 43 Resp: 8283
Ion Ratio Lower Upper
43 100
72 27.9 23.4 35.2



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

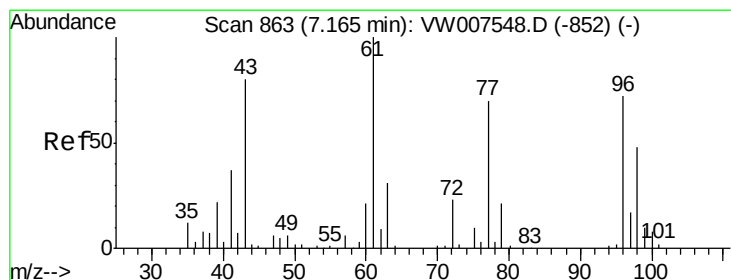
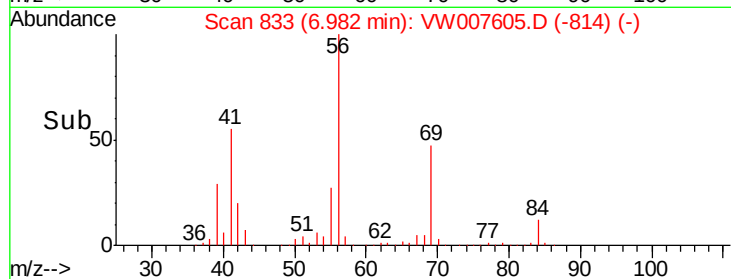
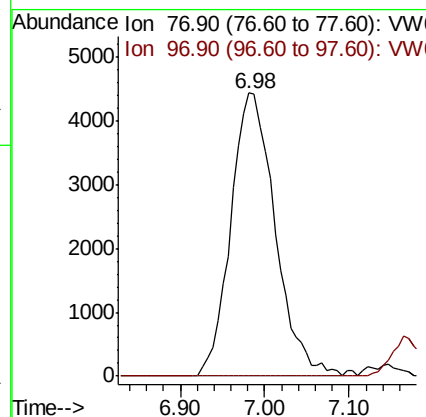
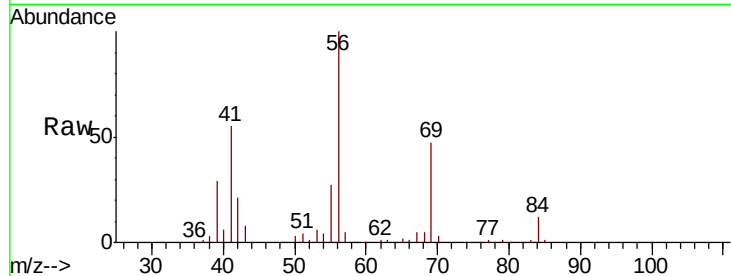




#26
 2,2-Dichloropropane
 Concen: 29.878 ug/l
 RT: 6.98 min Scan# 833
 Delta R.T. -0.18 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

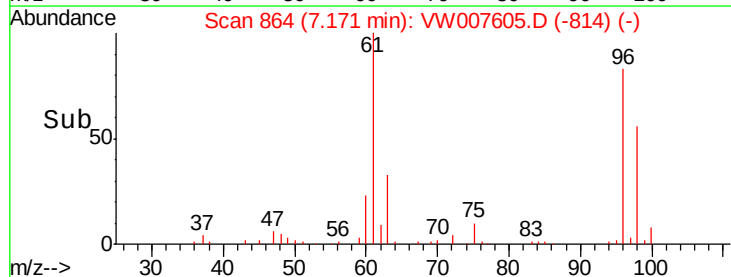
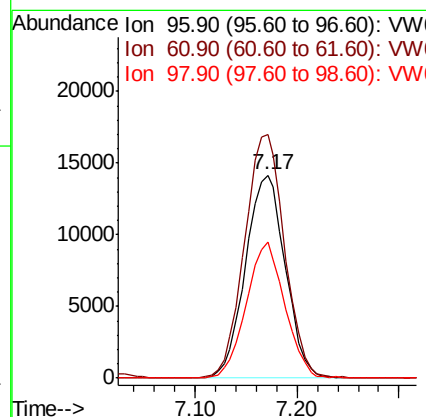
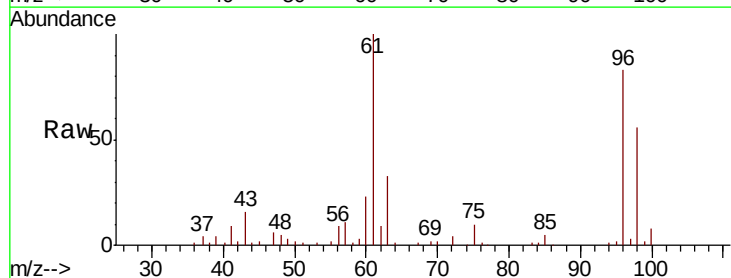
Instrument :
 MSVOA_W
 ClientSampled :

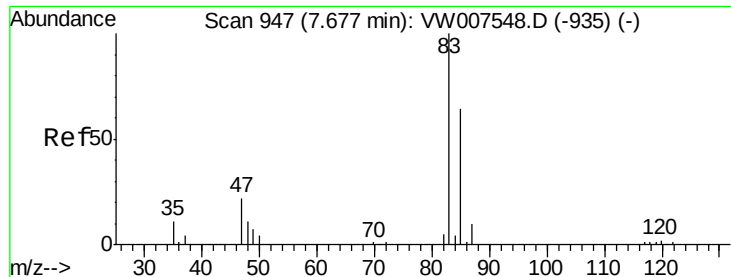
Tot Ion: 77 Resp: 15875
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.6 34.8#



#27
 cis-1,2-Dichloroethene
 Concen: 74.684 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

Tgt Ion: 96 Resp: 38353
 Ion Ratio Lower Upper
 96 100
 61 120.7 0.0 268.4
 98 65.0 0.0 127.8

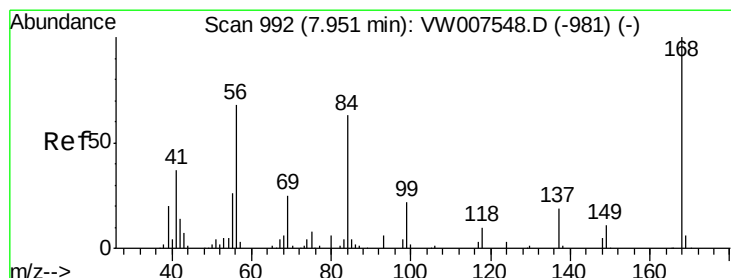
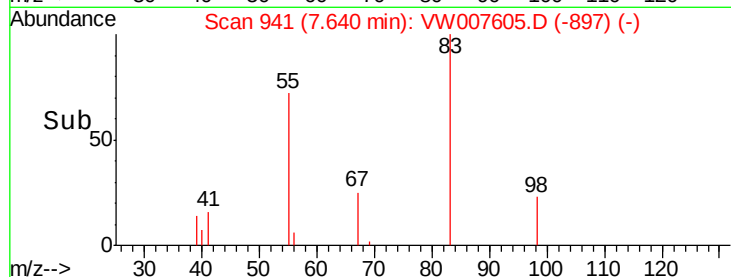
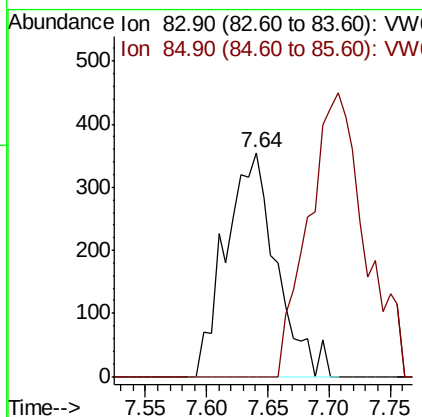
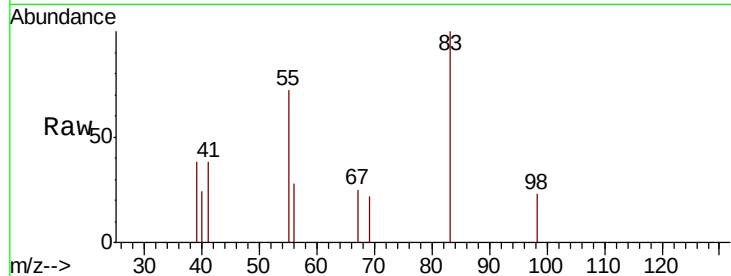




#30
Chloroform
Concen: 1.167 ug/l
RT: 7.64 min Scan# 941
Delta R.T. -0.03 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

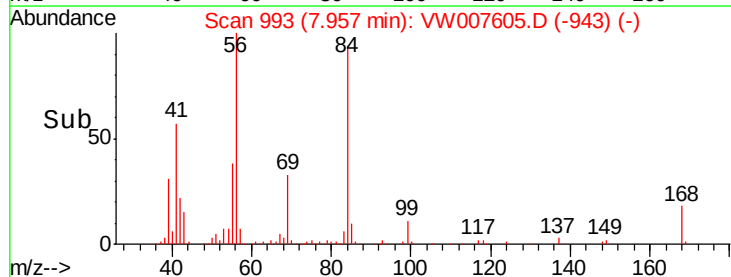
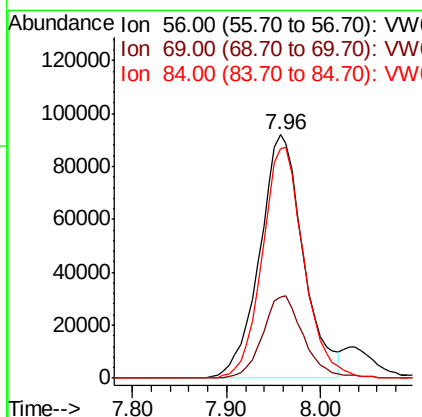
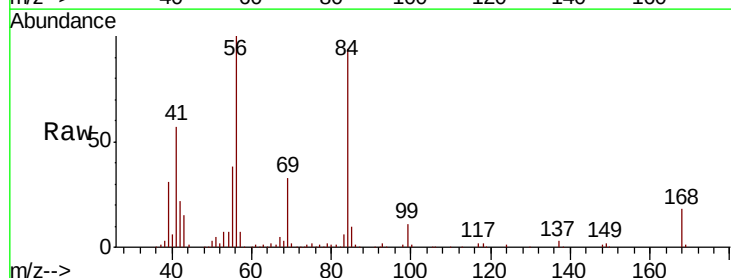
Instrument :
MSVOA_W
ClientSampled :

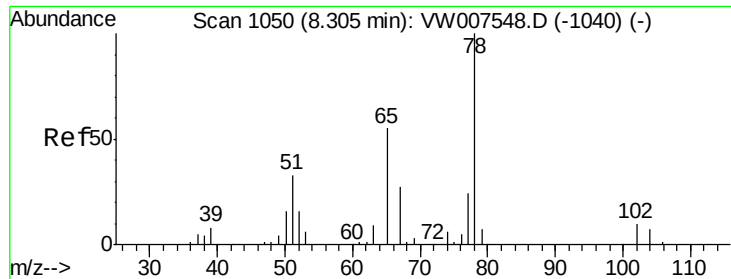
Tot Ion: 83 Resp: 1020
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.8#



#31
Cyclohexane
Concen: 402.626 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

Tgt Ion: 56 Resp: 296571
Ion Ratio Lower Upper
56 100
69 33.0 28.9 43.3
84 94.4 71.8 107.6

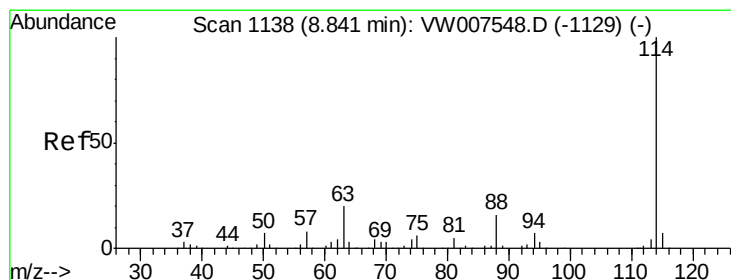
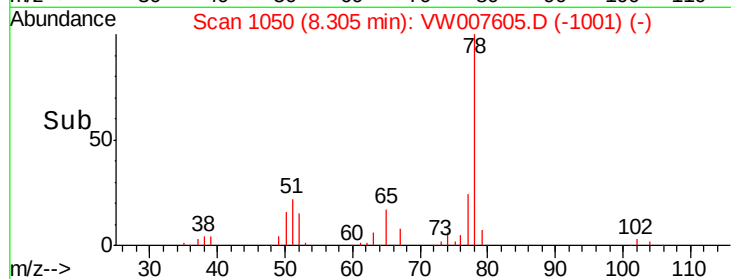
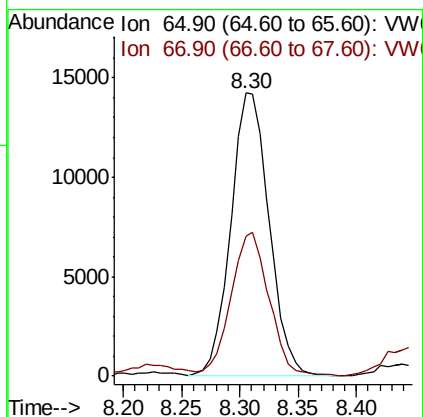
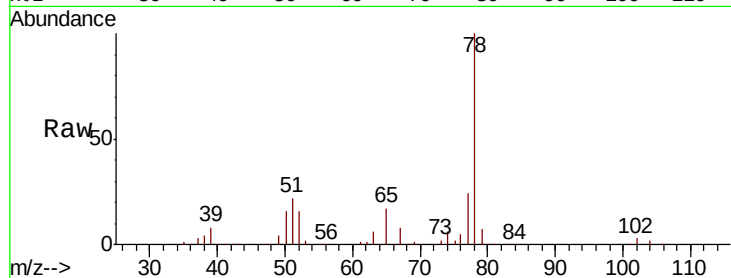




#33
 1,2-Dichloroethane-d4
 Concen: 68.661 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

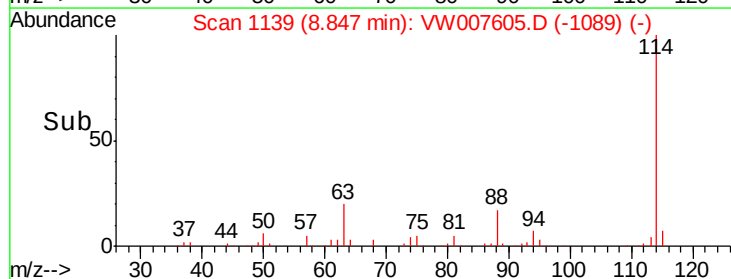
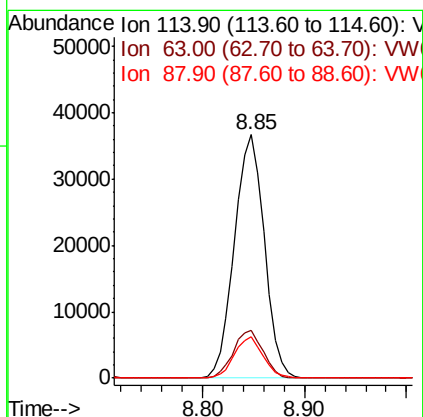
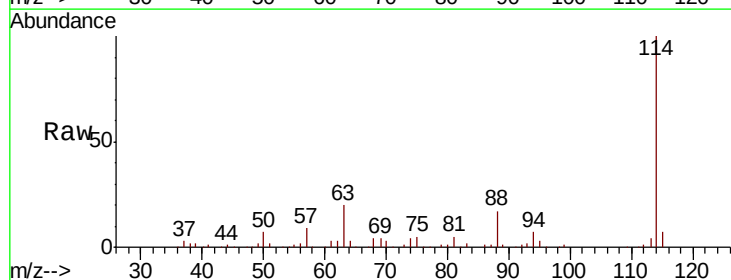
Instrument :
 MSVOA_W
 ClientSampleId :

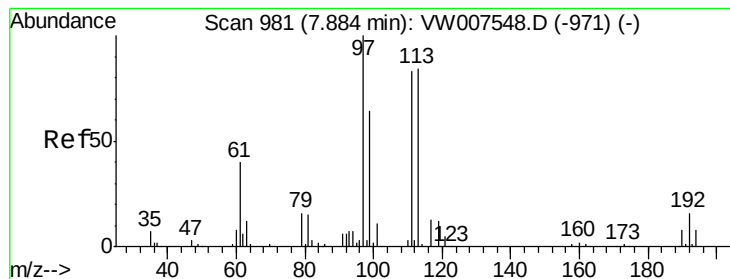
Tot Ion: 65 Resp: 32556
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

Tgt Ion:114 Resp: 74617
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 16.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 58.853 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW007605.D

Acq: 16 Dec 2018 02:57

Instrument :
MSVOA_W
ClientSampled :

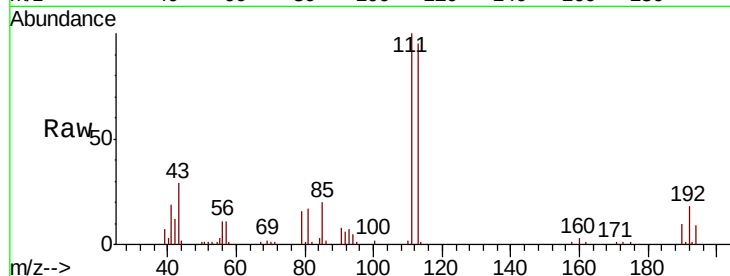
Tot Ion:113 Resp: 26583

Ion Ratio Lower Upper

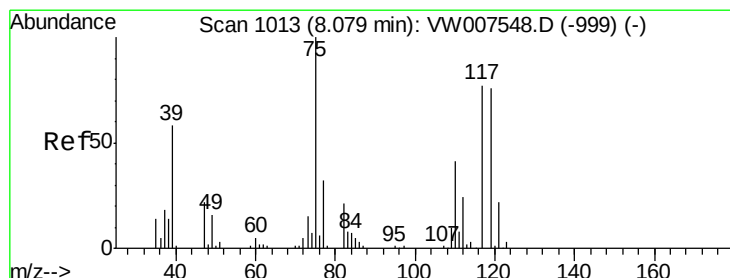
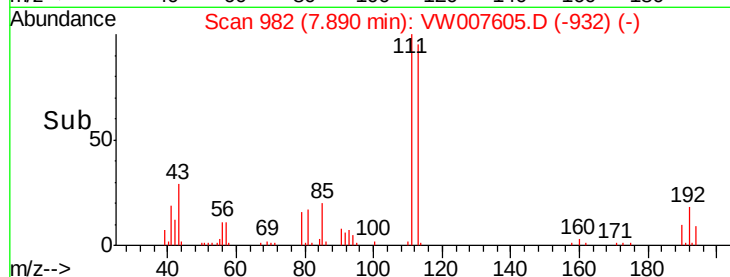
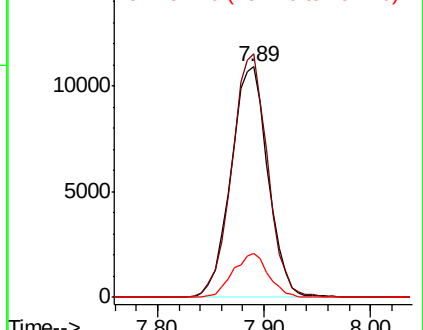
113 100

111 102.0 81.1 121.7

192 18.2 14.6 21.8



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: 5.443 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW007605.D

Acq: 16 Dec 2018 02:57

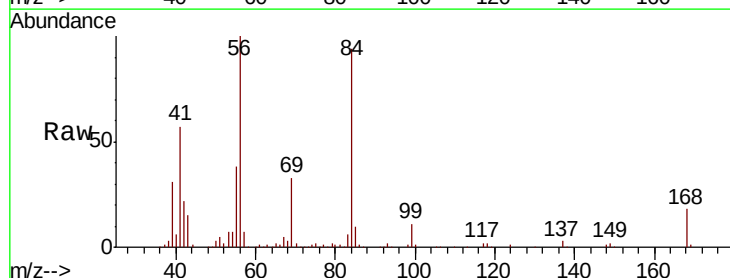
Tgt Ion: 75 Resp: 3705

Ion Ratio Lower Upper

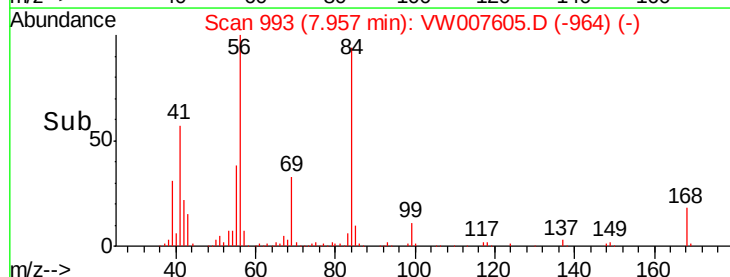
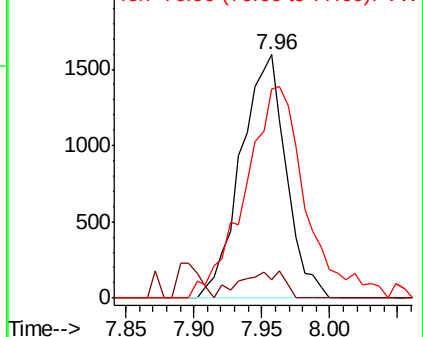
75 100

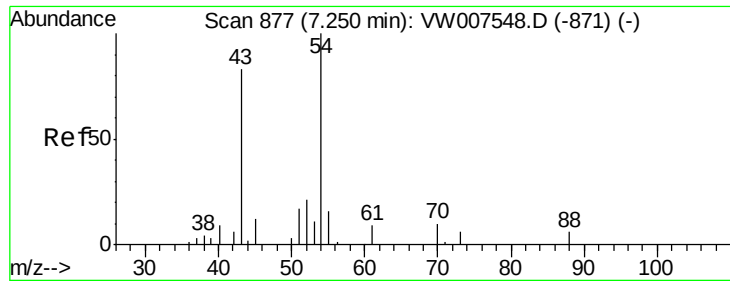
110 10.4 18.5 55.5#

77 116.0 25.6 38.4#



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





#37

Ethyl Acetate

Concen: 32.717 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW007605.D

Acq: 16 Dec 2018 02:57

Instrument :

MSVOA_W

ClientSampled :

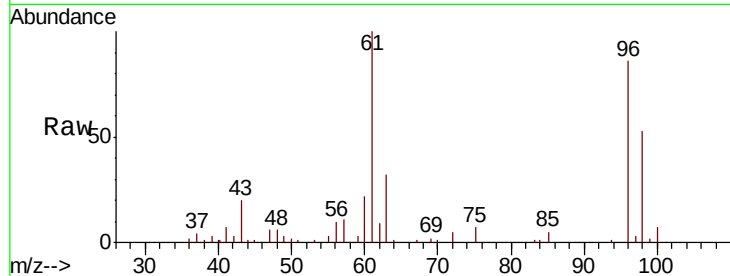
Tot Ion: 43 Resp: 8283

Ion Ratio Lower Upper

43 100

61 559.0 12.1 18.1#

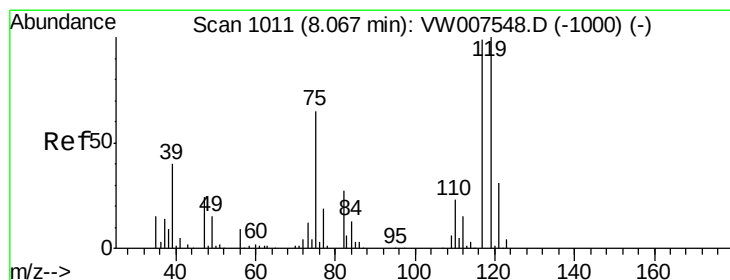
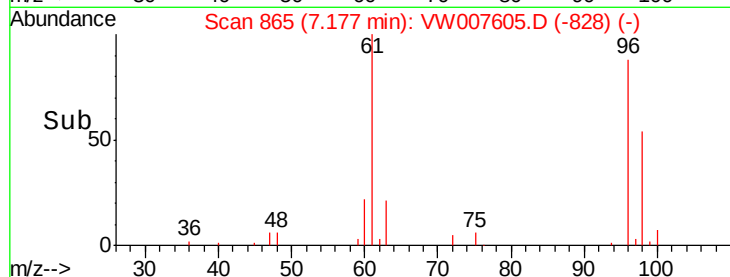
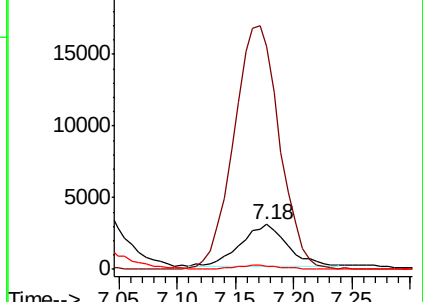
70 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.401 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007605.D

Acq: 16 Dec 2018 02:57

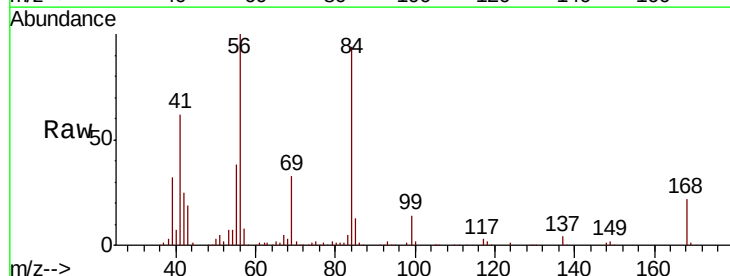
Tgt Ion: 117 Resp: 4741

Ion Ratio Lower Upper

117 100

119 3.3 74.3 111.5#

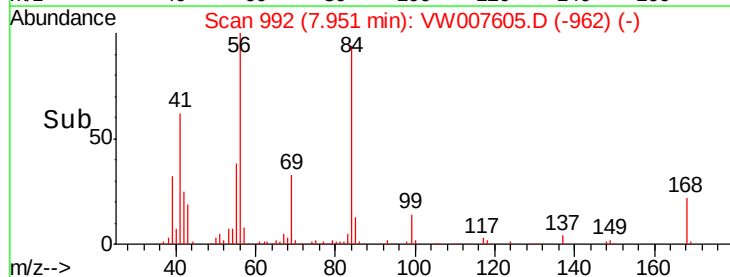
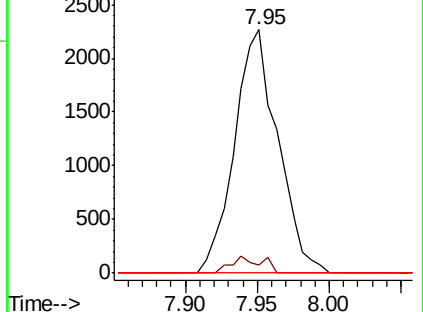
121 0.0 24.3 36.5#

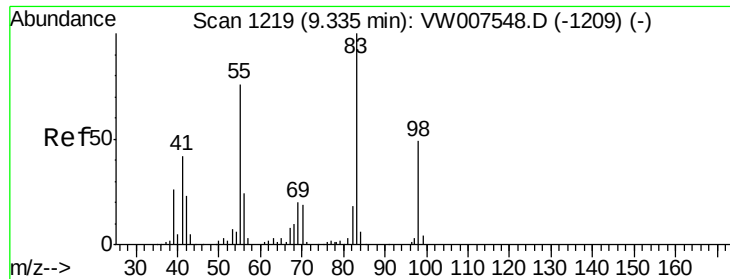


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

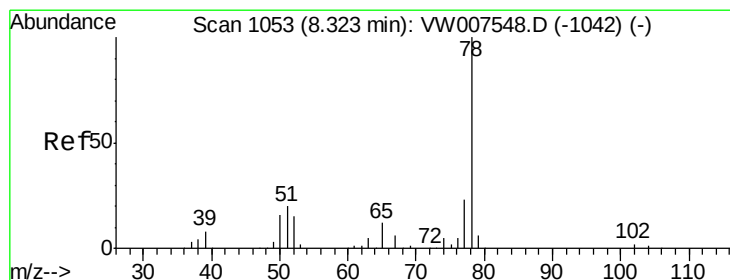
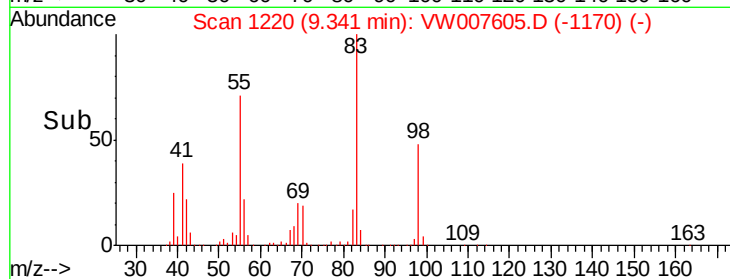
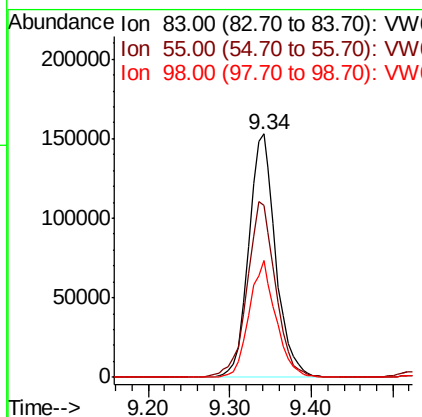
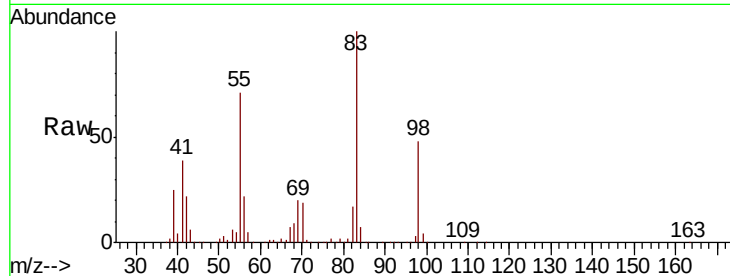




#39
Methylvlcyclohexane
Concen: 429.013 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

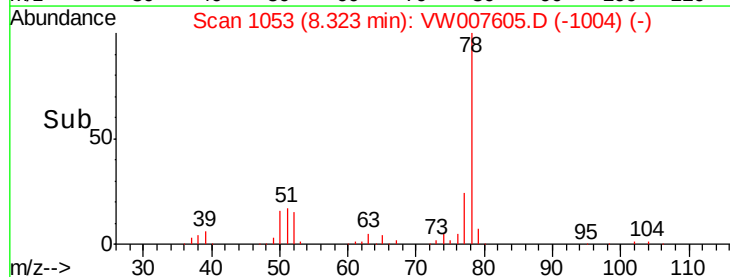
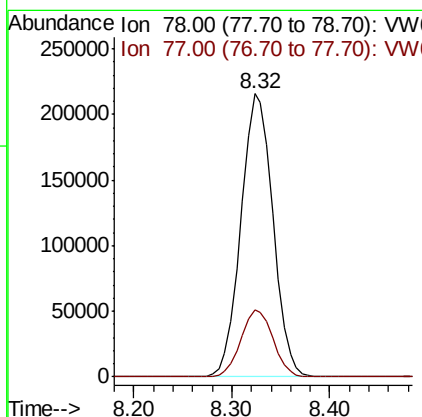
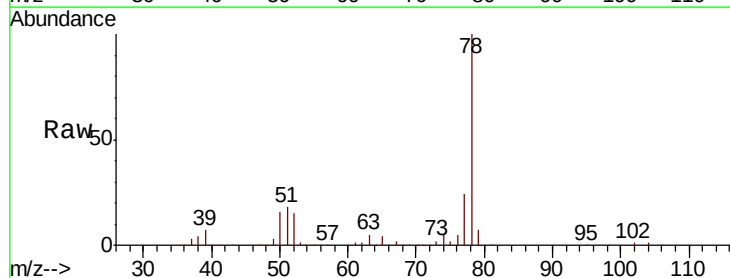
Instrument :
MSVOA_W
ClientSampled :

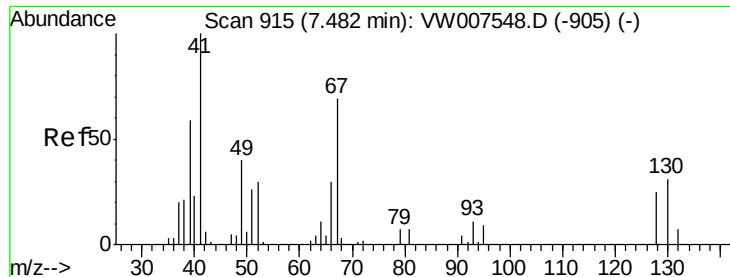
Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	62.8	94.2
98	47.9	42.2	63.2



#40
Benzene
Concen: 258.643 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

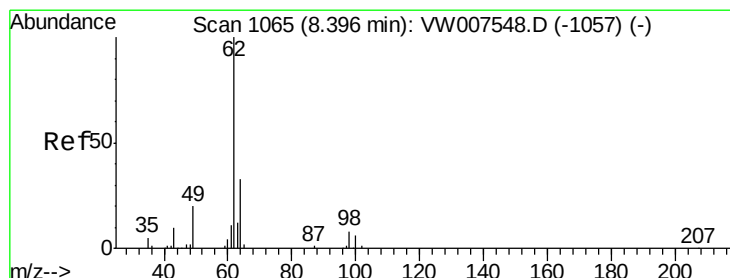
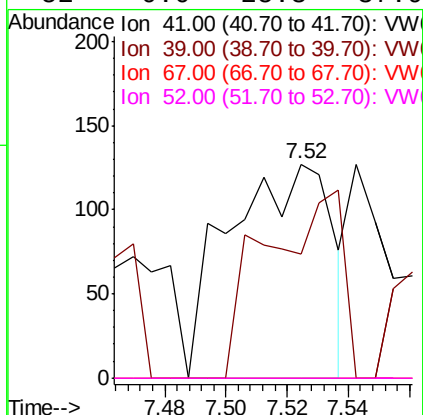
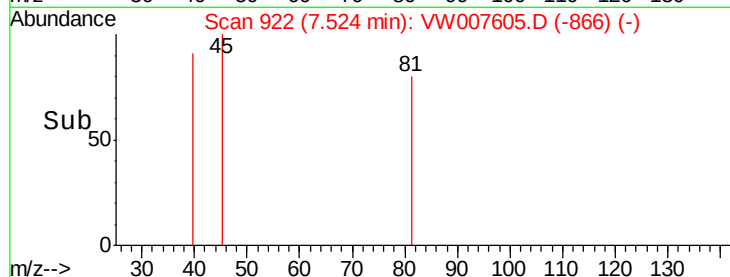
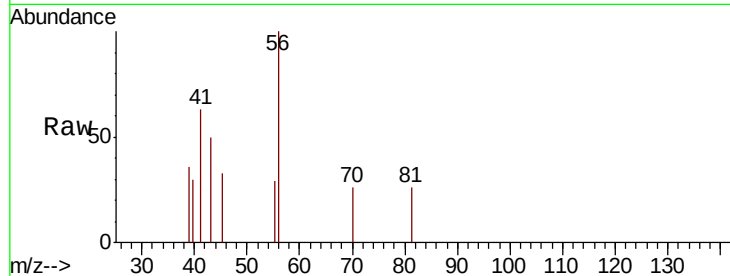




#41
Methacrylonitrile
Concen: 2.060 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

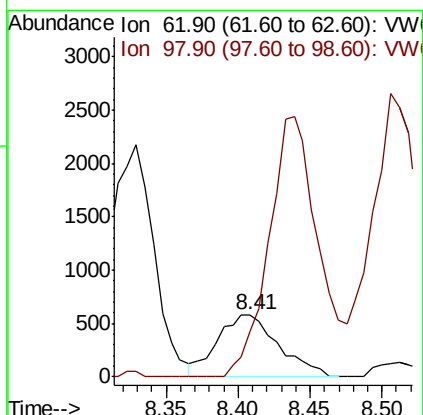
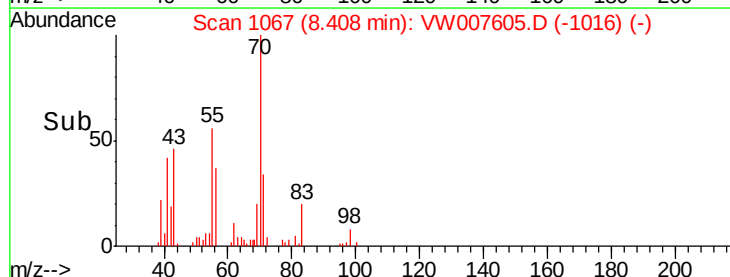
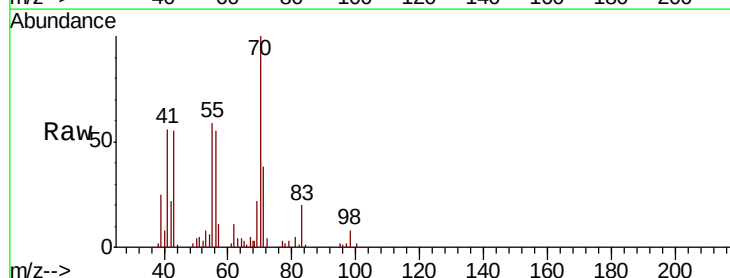
Instrument :
MSVOA_W
ClientSampled :

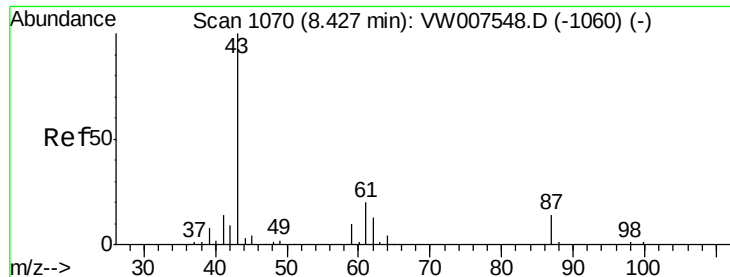
Tot Ion: 41 Resp: 297
Ion Ratio Lower Upper
41 100
39 65.3 52.2 78.2
67 0.0 60.5 90.7#
52 0.0 25.3 37.9#



#42
1,2-Dichloroethane
Concen: 2.892 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

Tgt Ion: 62 Resp: 1716
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.6





#43

Isopropyl Acetate

Concen: 29.707 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007605.D

Acq: 16 Dec 2018 02:57

Instrument :

MSVOA_W

ClientSampled :

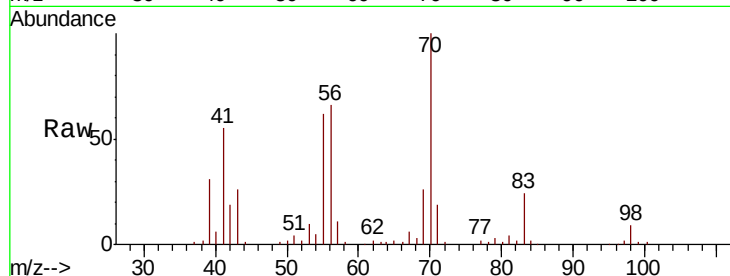
Tot Ion: 43 Resp: 14856

Ion Ratio Lower Upper

43 100

61 1.5 25.3 37.9#

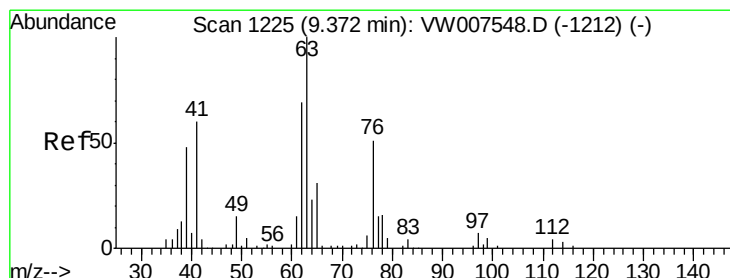
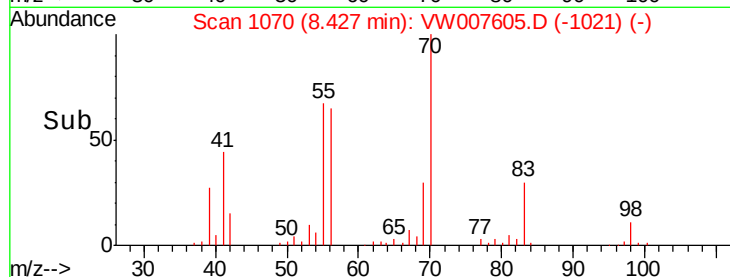
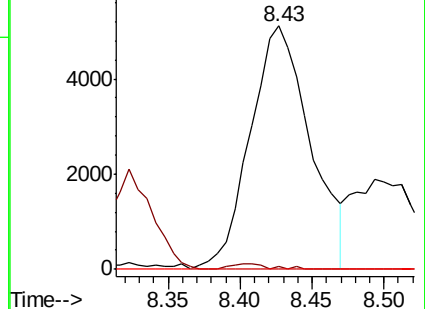
87 0.0 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#45

1,2-Dichloropropane

Concen: 8.963 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.03 min

Lab File: VW007605.D

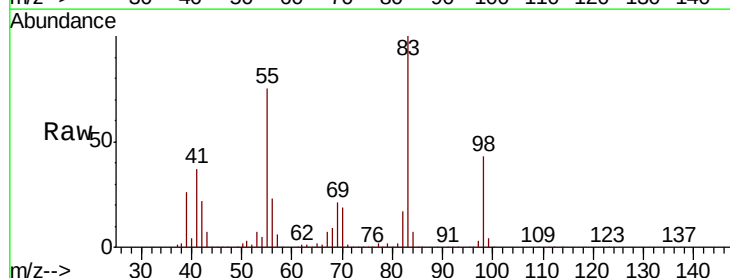
Acq: 16 Dec 2018 02:57

Tgt Ion: 63 Resp: 3918

Ion Ratio Lower Upper

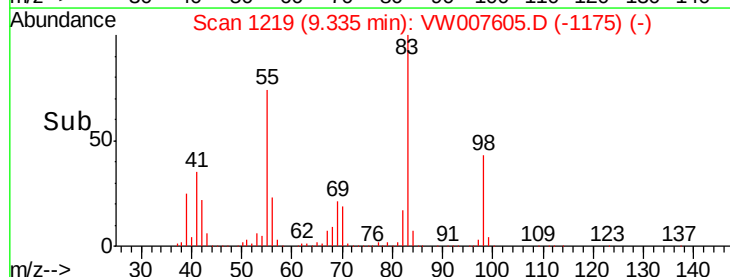
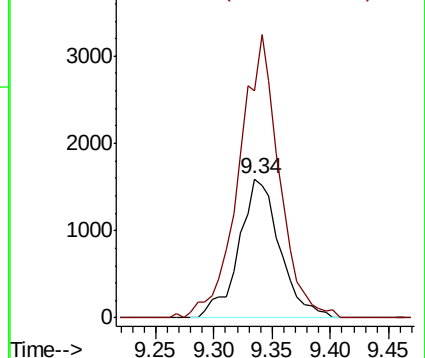
63 100

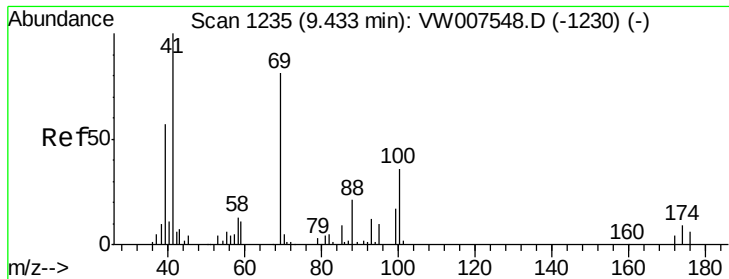
65 163.4 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

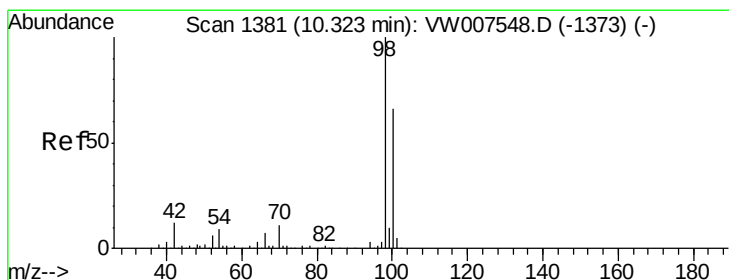
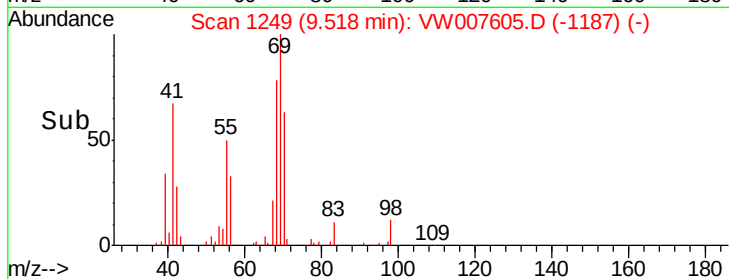
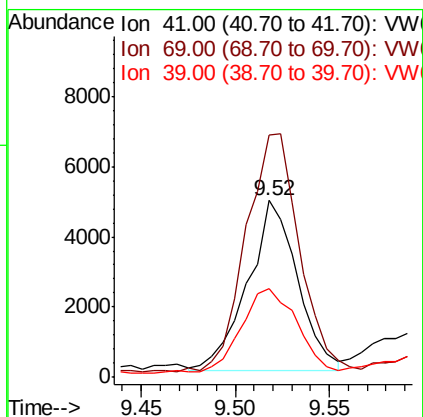
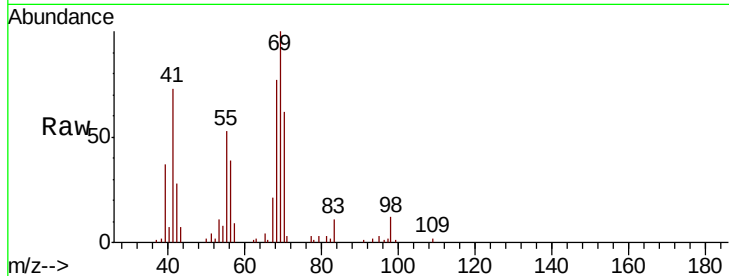




#48
Methvl methacrylate
Concen: 34.656 ug/l
RT: 9.52 min Scan# 1249
Delta R.T. 0.08 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

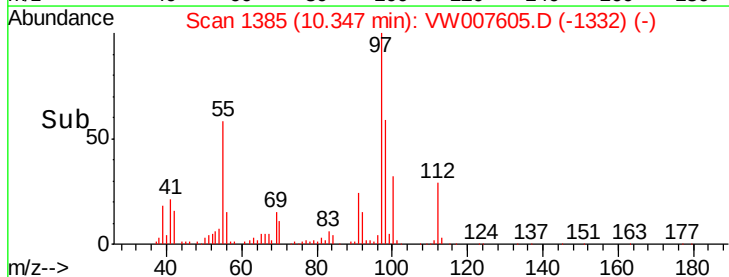
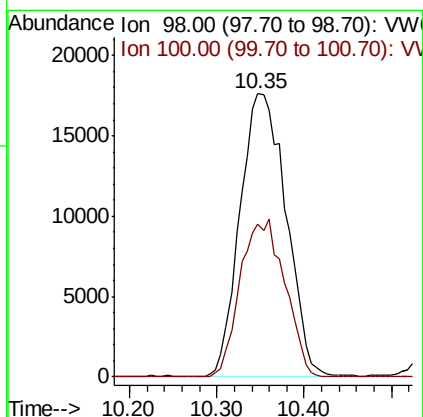
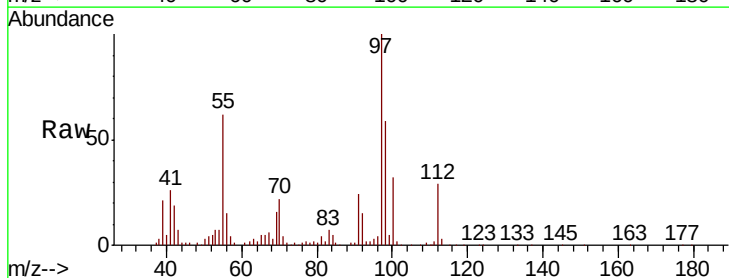
Instrument :
MSVOA_W
ClientSampleId :

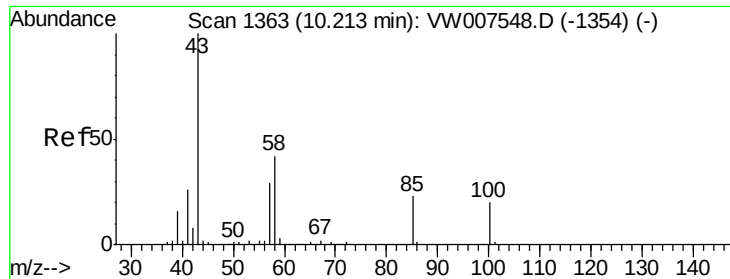
Tot Ion: 41 Resp: 8901
Ion Ratio Lower Upper
41 100
69 150.7 69.8 104.8#
39 59.5 50.9 76.3



#50
Toluene-d8
Concen: 38.222 ug/l
RT: 10.35 min Scan# 1385
Delta R.T. 0.02 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

Tgt Ion: 98 Resp: 64731
Ion Ratio Lower Upper
98 100
100 53.7 51.8 77.8

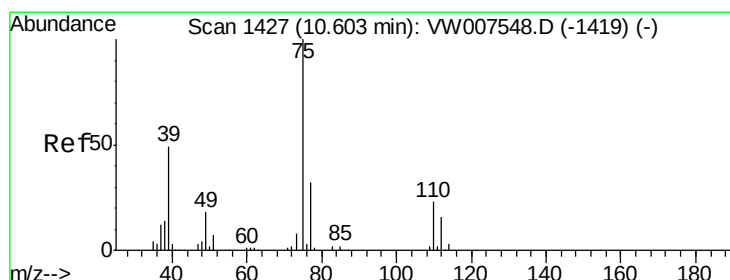
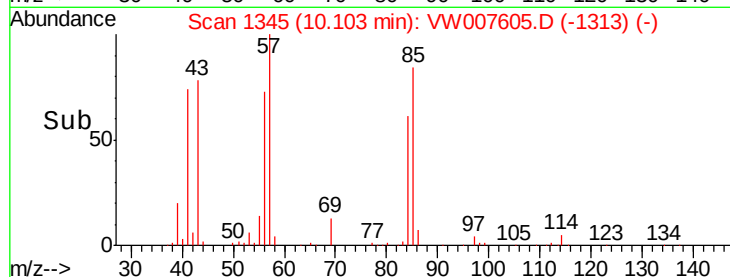
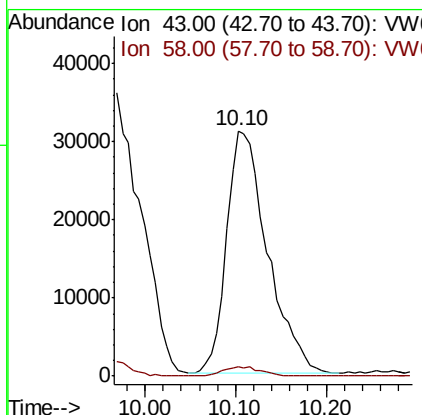
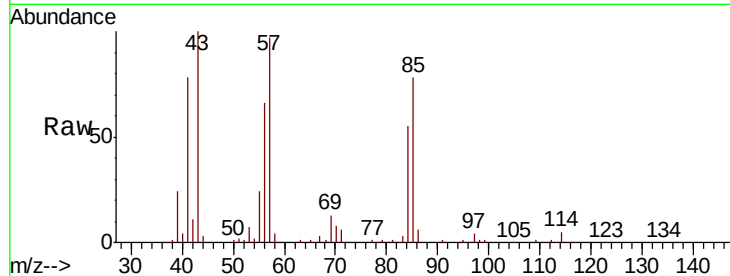




#51
4-Methyl-2-Pentanone
Concen: 413.011 ug/l
RT: 10.10 min Scan# 1345
Delta R.T. -0.10 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

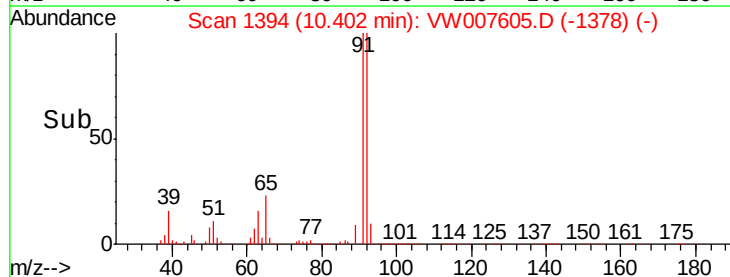
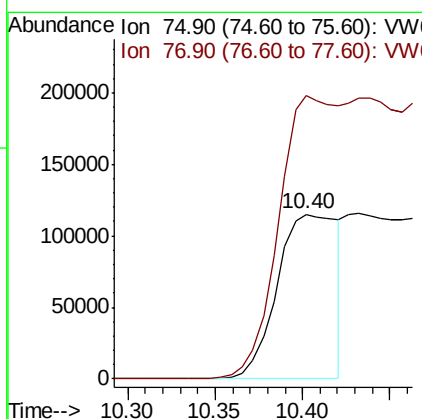
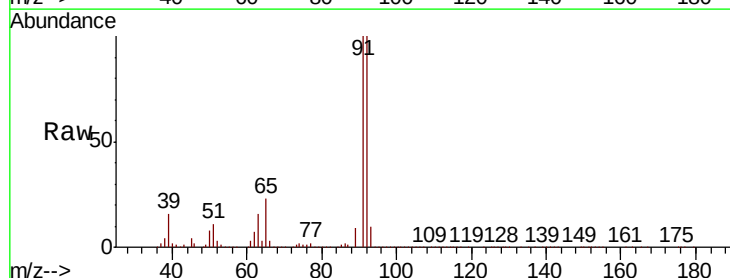
Instrument :
MSVOA_W
ClientSampled :

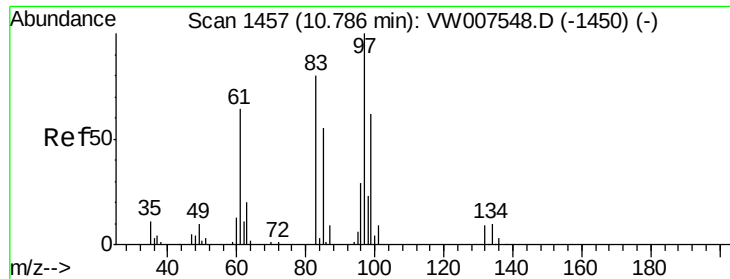
Tot Ion: 43 Resp: 97591
Ion Ratio Lower Upper
43 100
58 3.7 33.1 49.7#



#53
t-1,3-Dichloropropene
Concen: 438.594 ug/l
RT: 10.40 min Scan# 1394
Delta R.T. -0.20 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

Tgt Ion: 75 Resp: 277260
Ion Ratio Lower Upper
75 100
77 171.4 26.2 39.4#

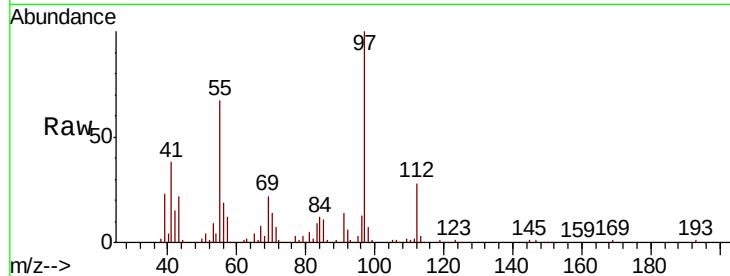




#55
 1,1,2-Trichloroethane
 Concen: 98.007 ug/l
 RT: 10.77 min Scan# 1455
 Delta R.T. -0.02 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	8.0	62.1	93.1#
85	10.3	44.2	66.4#
99	0.8	50.2	75.4#



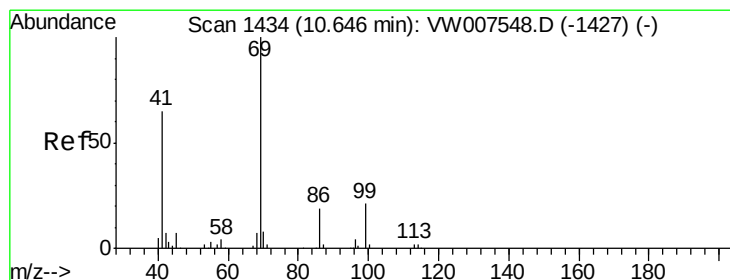
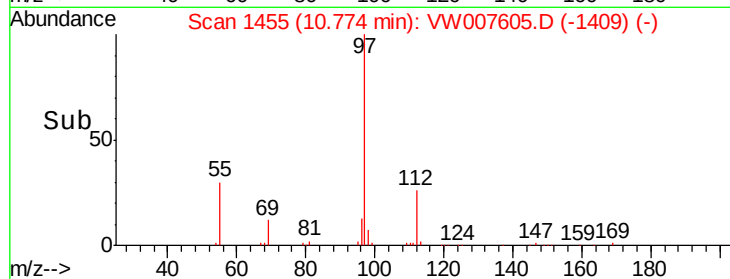
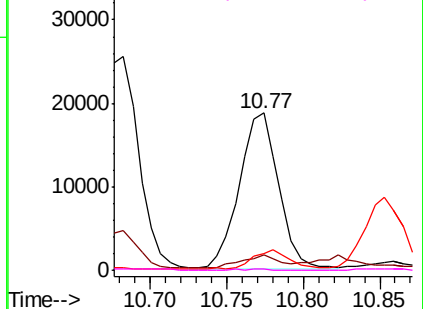
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

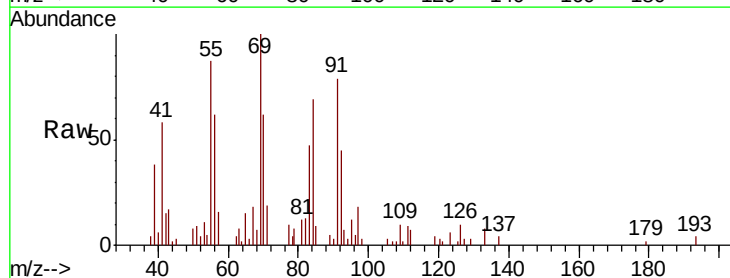
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 7.774 ug/l
 RT: 10.63 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

Tgt Ion	Ratio	Lower	Upper
69	100		
41	0.0	51.0	76.6#
39	0.0	30.8	46.2#

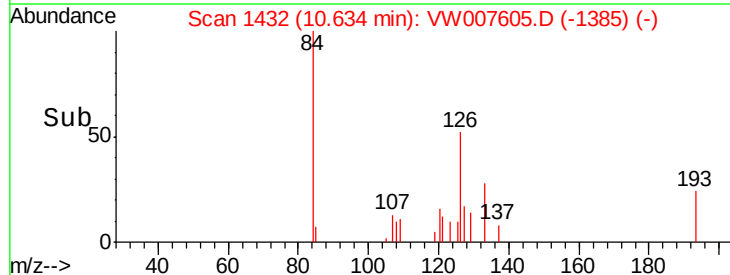
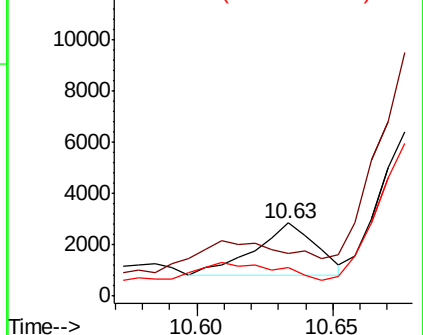


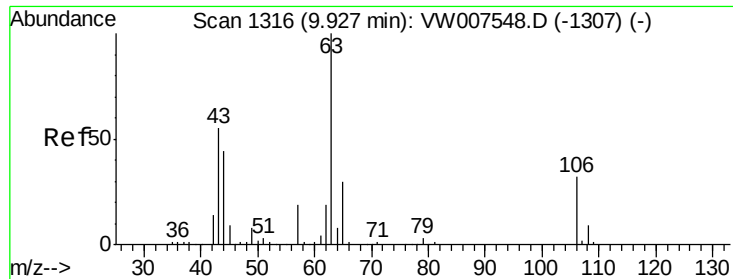
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

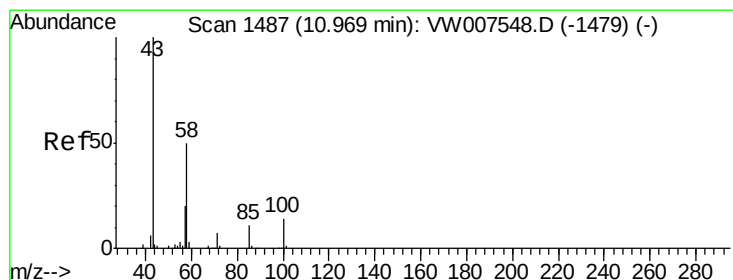
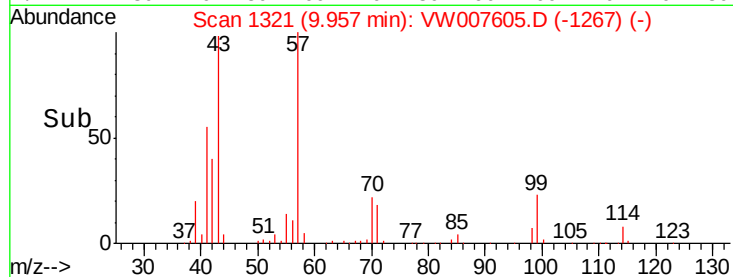
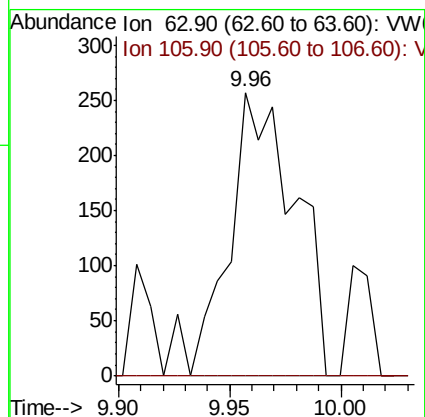
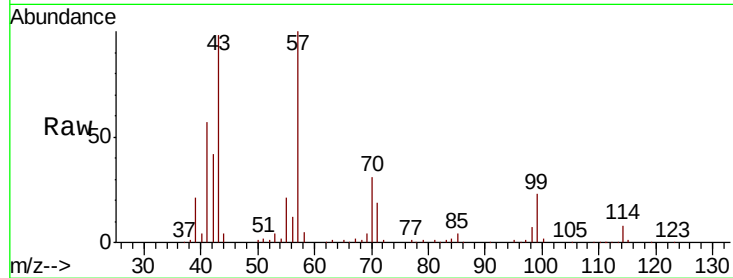




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.777 ug/l
 RT: 9.96 min Scan# 1321
 Delta R.T. 0.03 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

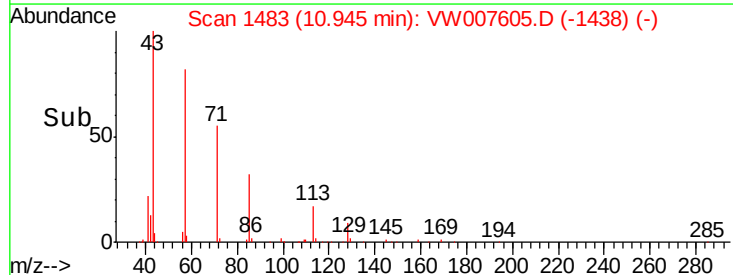
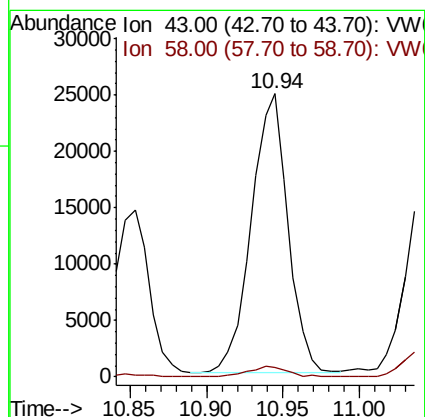
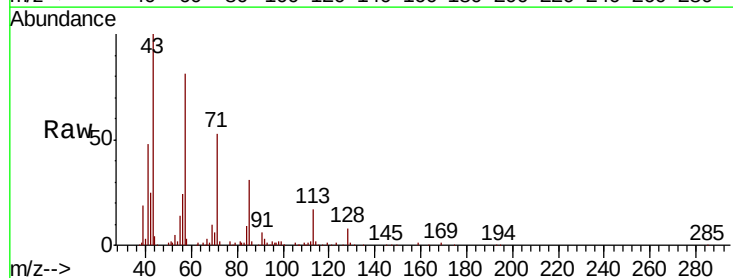
Instrument :
 MSVOA_W
 ClientSampled :

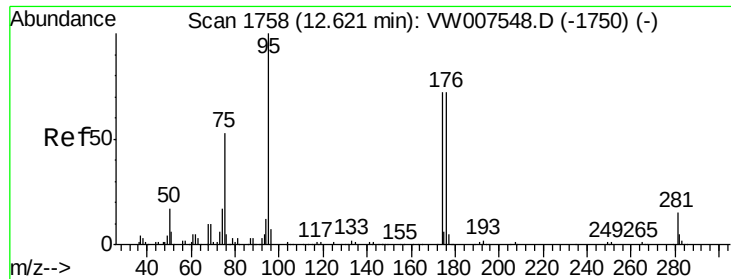
Tot Ion: 63 Resp: 520
 Ion Ratio Lower Upper
 63 100
 106 0.0 25.0 37.6#



#59
 2-Hexanone
 Concen: 261.889 ug/l
 RT: 10.94 min Scan# 1483
 Delta R.T. -0.02 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

Tgt Ion: 43 Resp: 41263
 Ion Ratio Lower Upper
 43 100
 58 4.0 27.1 81.3#





#62

4-Bromofluorobenzene

Concen: 17.868 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007605.D

Acq: 16 Dec 2018 02:57

Instrument :

MSVOA_W

ClientSampled :

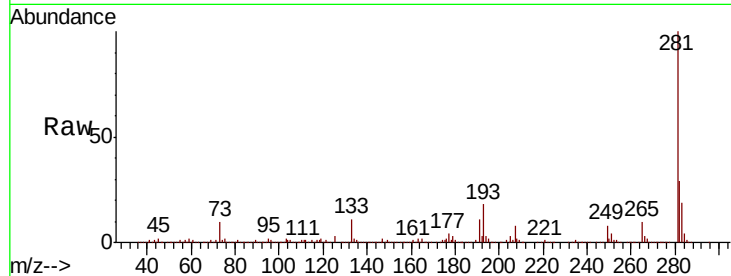
Tot Ion: 95 Resp: 11126

Ion Ratio Lower Upper

95 100

174 71.4 0.0 147.2

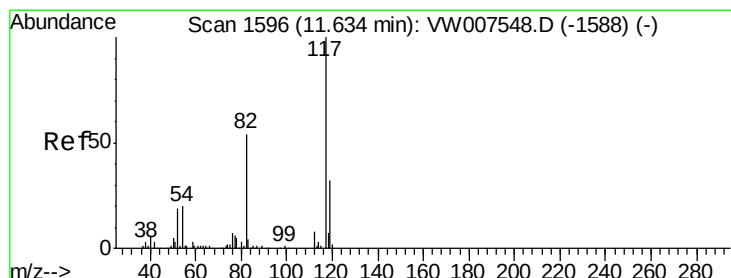
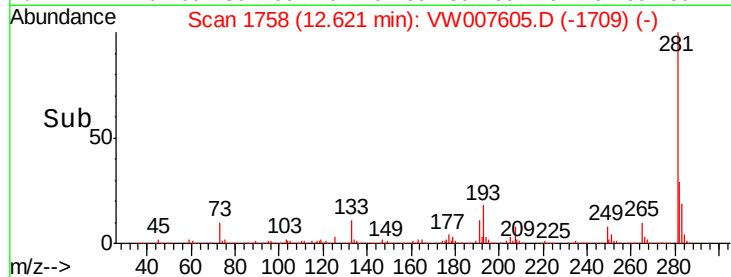
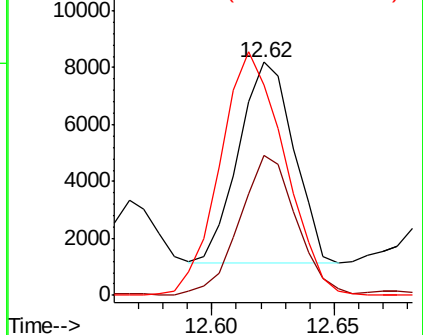
176 141.0 0.0 138.8#



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VW007605.D

Acq: 16 Dec 2018 02:57

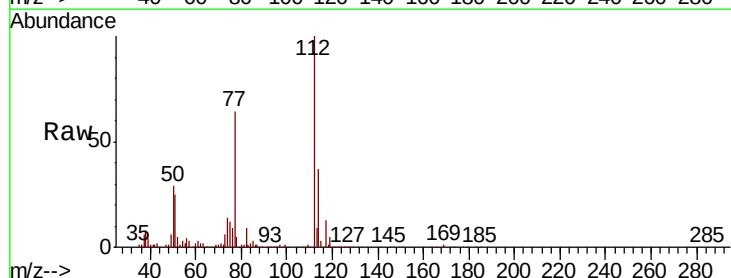
Tgt Ion: 117 Resp: 32503

Ion Ratio Lower Upper

117 100

82 62.3 42.3 63.5

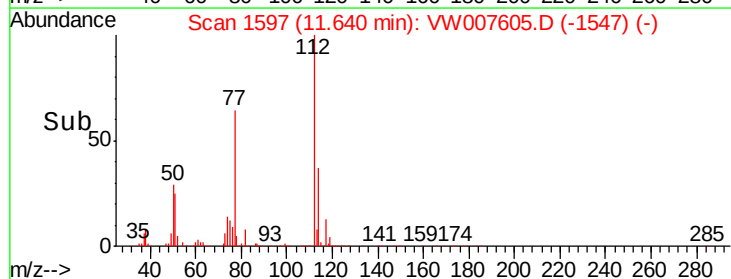
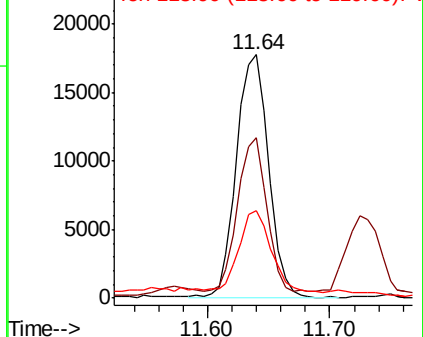
119 32.8 23.0 34.6

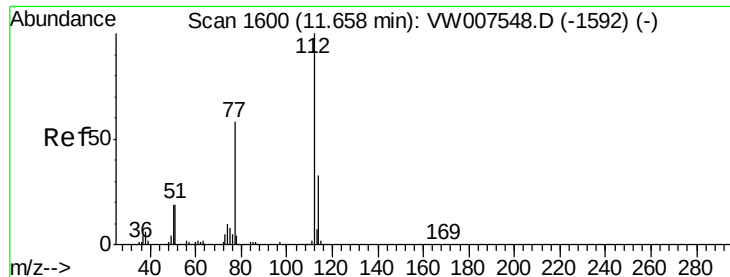


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

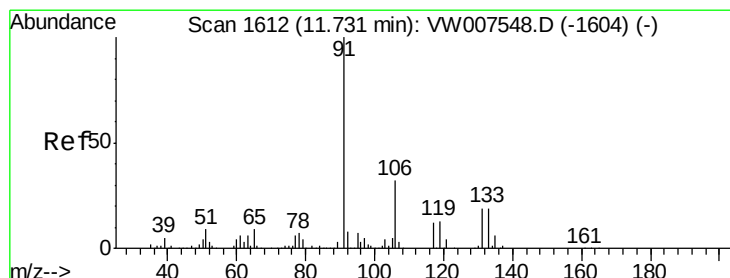
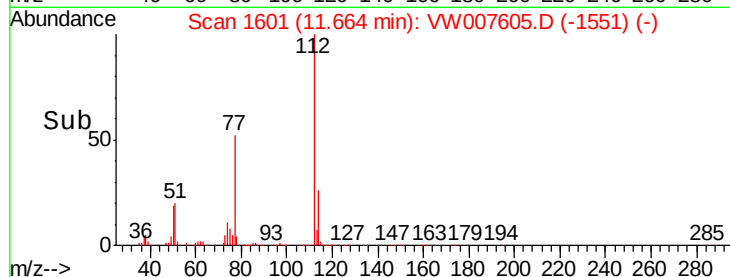
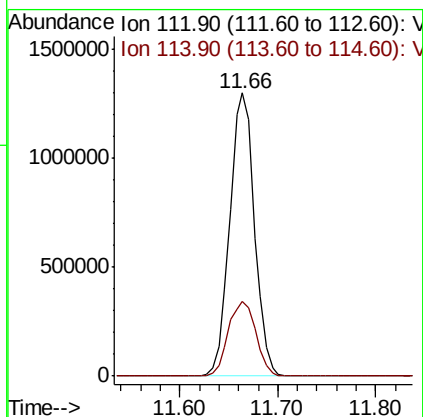
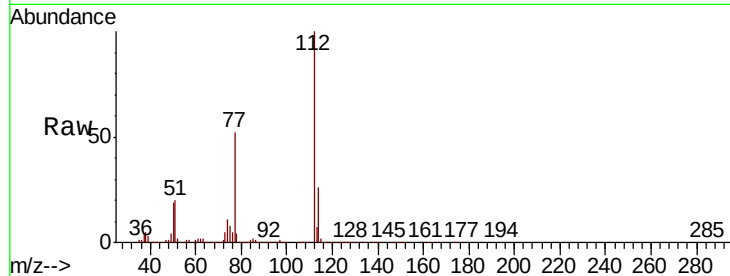




#65
Chlorobenzene
Concen: 3349.977 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

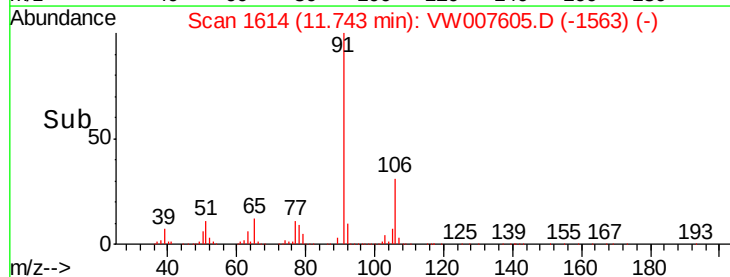
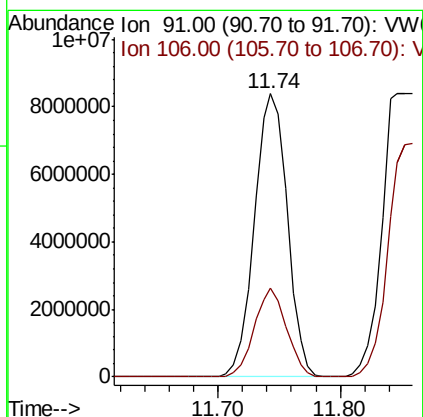
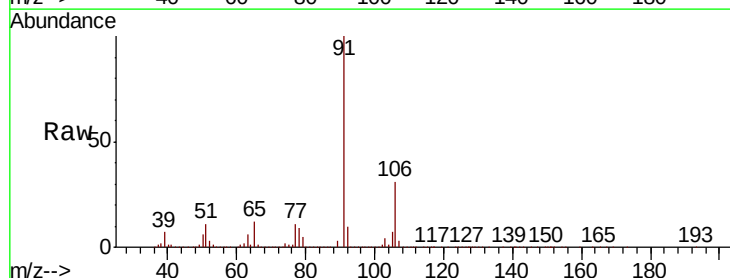
Instrument :
MSVOA_W
ClientSampleId :

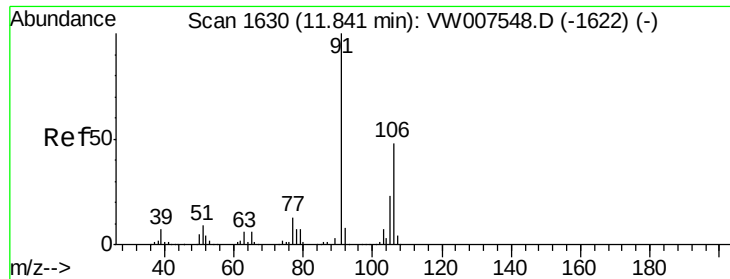
Tot Ion:112 Resp: 2269495
Ion Ratio Lower Upper
112 100
114 26.4 27.8 41.8#



#67
Ethyl Benzene
Concen: 13474.348 ug/l
RT: 11.74 min Scan# 1614
Delta R.T. 0.01 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

Tgt Ion: 91 Resp:15694274
Ion Ratio Lower Upper
91 100
106 31.4 21.8 32.8

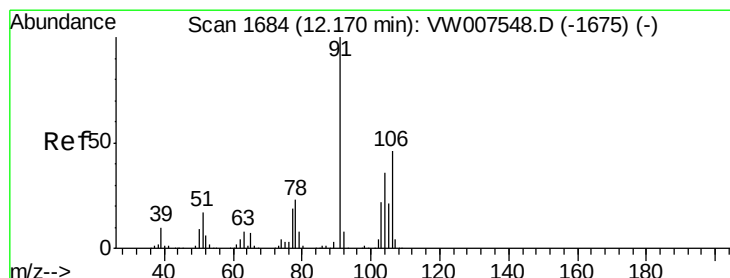
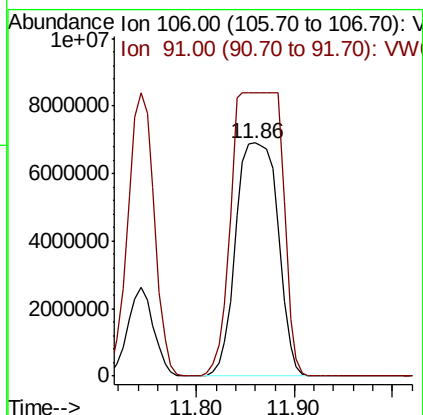
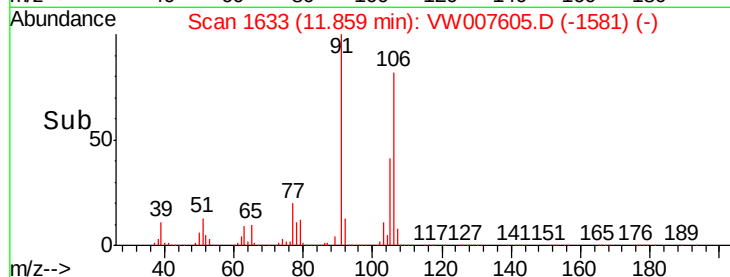
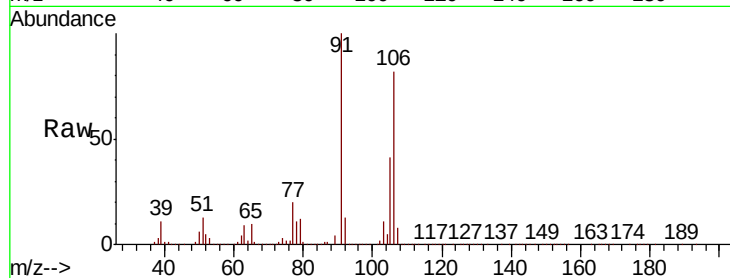




#68
m/p-Xylenes
Concen: 45465.761 ug/l
RT: 11.86 min Scan# 1633
Delta R.T. 0.02 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

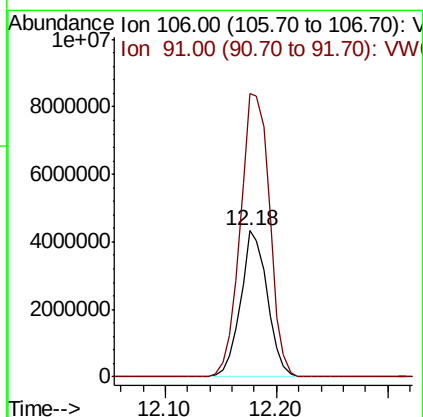
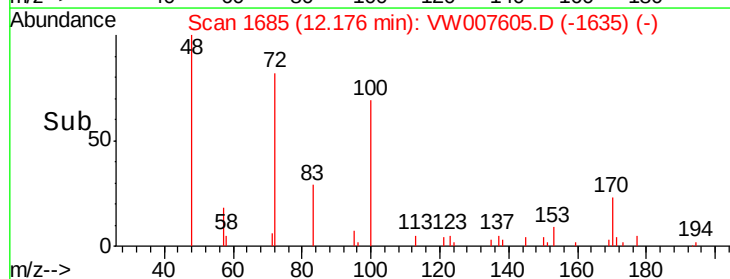
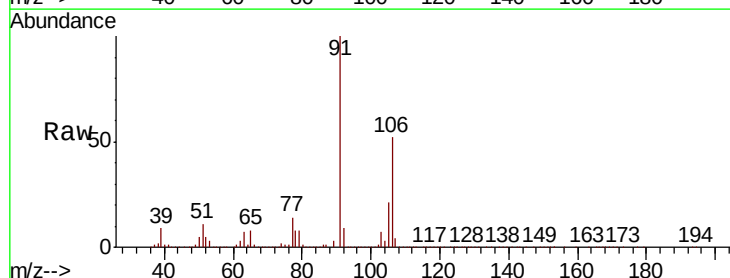
Instrument :
MSVOA_W
ClientSampleId :

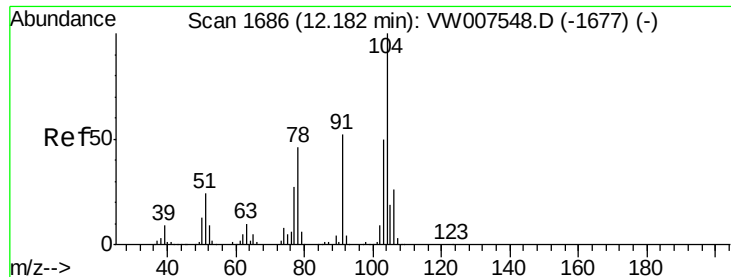
Tot Ion:106 Resp:20587118
Ion Ratio Lower Upper
106 100
91 0.0 165.3 247.9#



#69
o-Xylene
Concen: 16971.251 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

Tgt Ion:106 Resp: 7176969
Ion Ratio Lower Upper
106 100
91 213.4 106.6 319.8

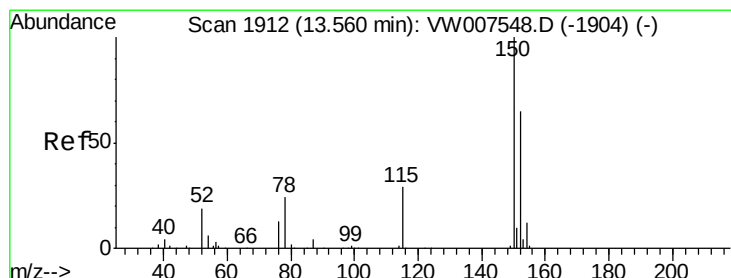
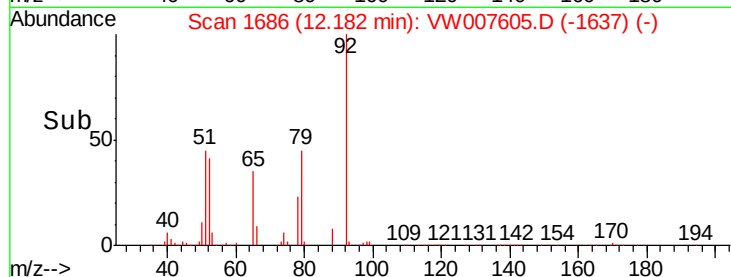
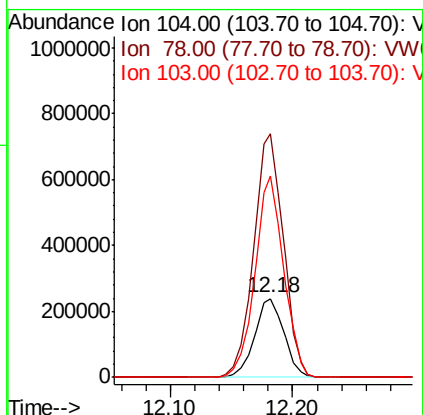
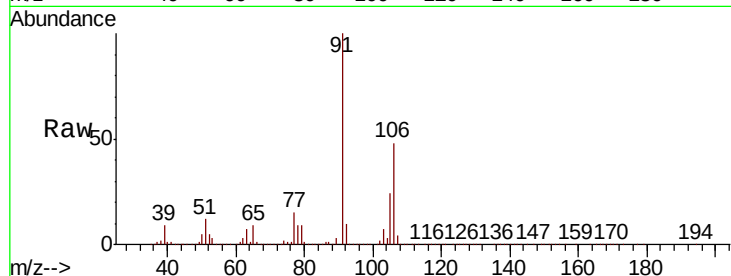




#70
Stvrene
Concen: 584.136 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

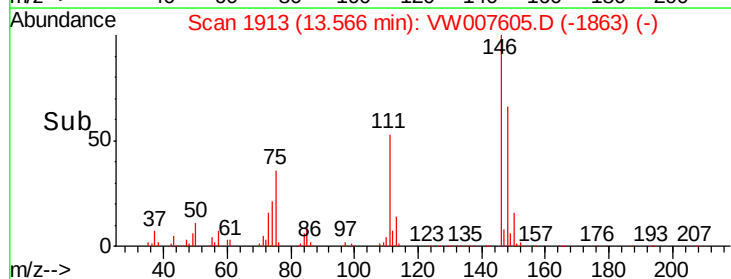
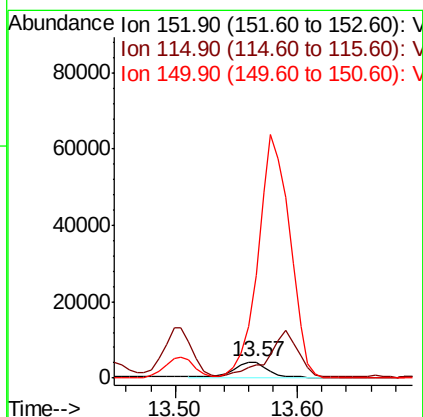
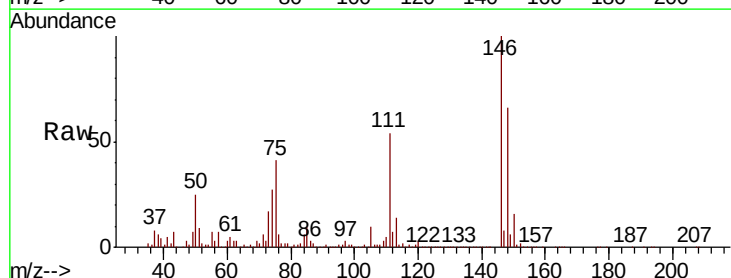
Instrument :
MSVOA_W
ClientSampled :

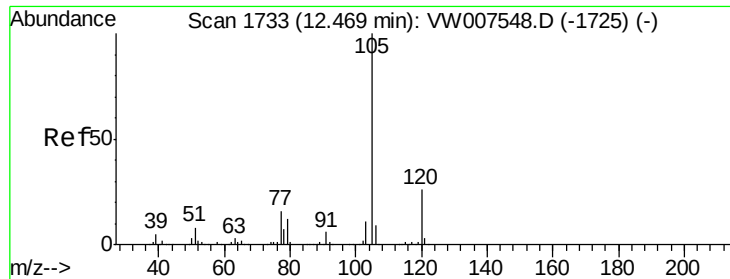
Tot Ion	Ratio	Lower	Upper
104	100		
78	313.5	41.8	62.8#
103	251.1	46.6	69.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	0.0	31.4	94.2#
150	1408.0	0.0	358.4#





#73

Isopropylbenzene

Concen: 292.181 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007605.D

Acq: 16 Dec 2018 02:57

Instrument :

MSVOA_W

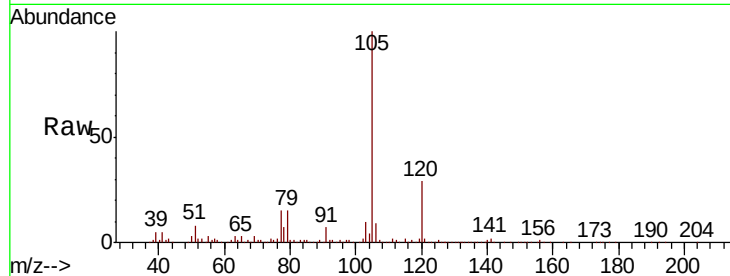
ClientSampleId :

Tot Ion:105 Resp: 184254

Ion Ratio Lower Upper

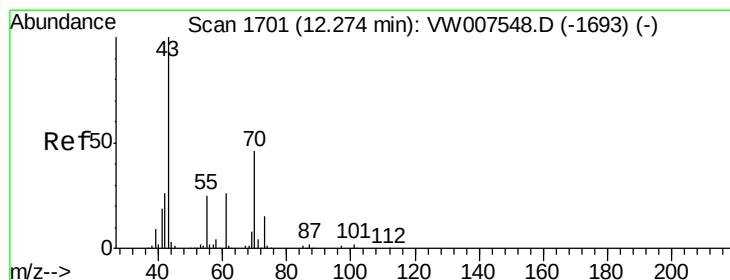
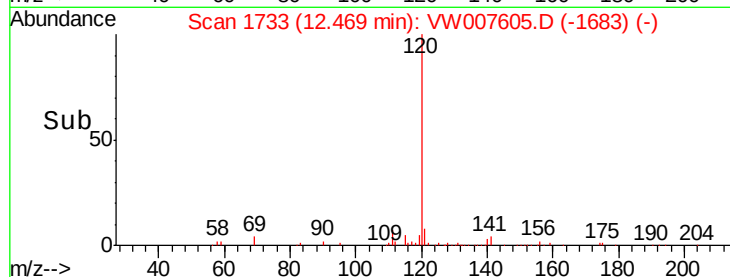
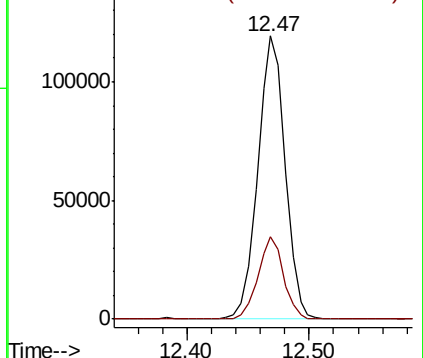
105 100

120 27.5 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 161.183 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007605.D

Acq: 16 Dec 2018 02:57

Tgt Ion: 43 Resp: 18473

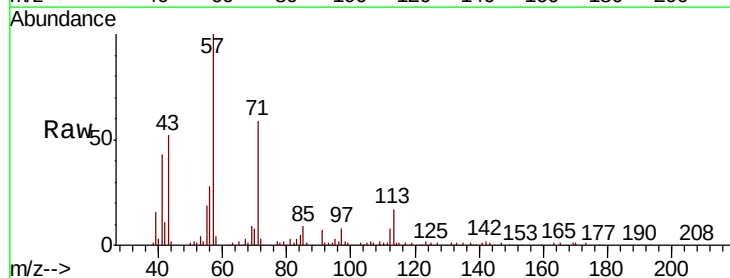
Ion Ratio Lower Upper

43 100

70 21.4 36.5 54.7#

55 35.3 20.1 30.1#

61 0.0 19.3 28.9#

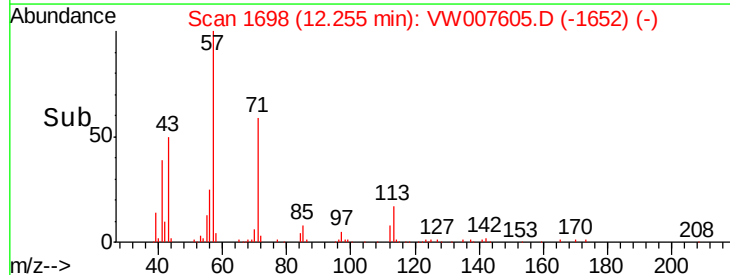
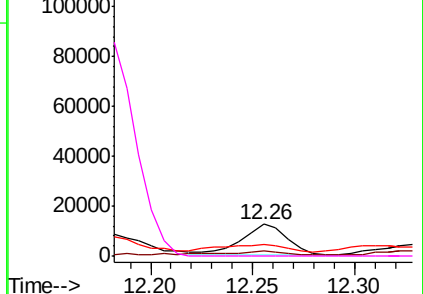


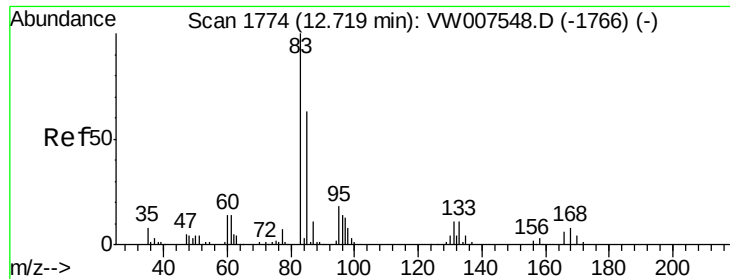
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 27.302 ug/l

RT: 12.68 min Scan# 1767

Delta R.T. -0.04 min

Lab File: VW007605.D

Acq: 16 Dec 2018 02:57

Instrument :

MSVOA_W

ClientSampleId :

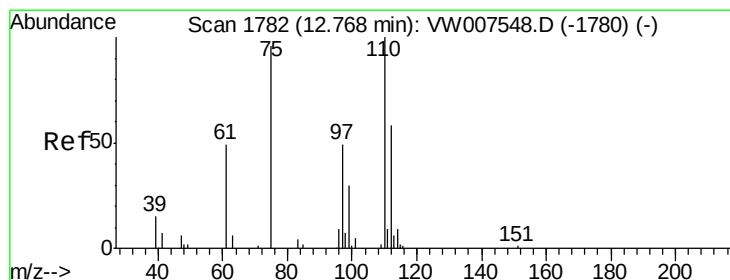
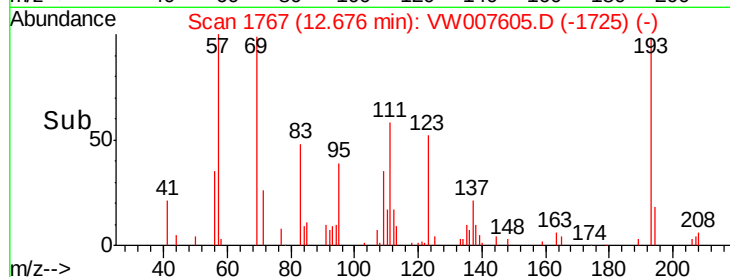
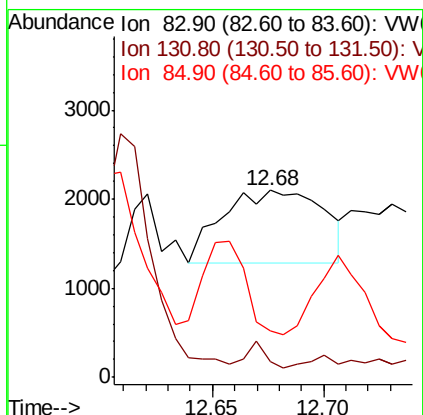
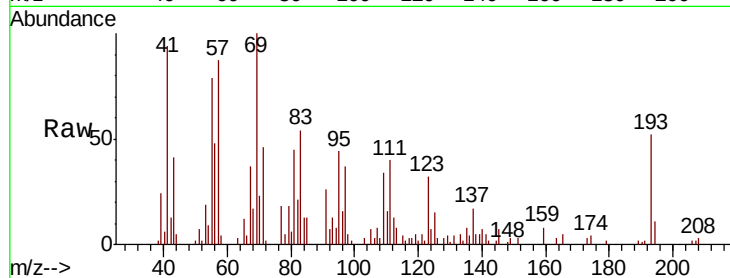
Tot Ion: 83 Resp: 2550

Ion Ratio Lower Upper

83 100

131 6.9 5.9 17.8

85 55.6 30.0 90.0



#76

1,2,3-Trichloropropane

Concen: 27.159 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW007605.D

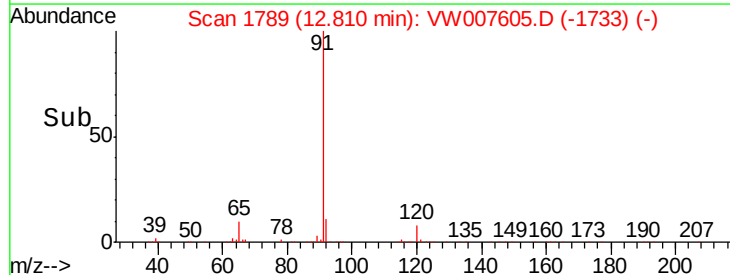
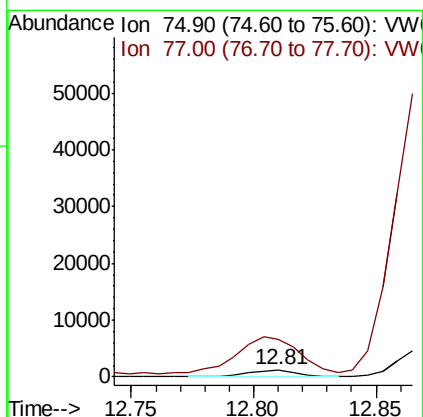
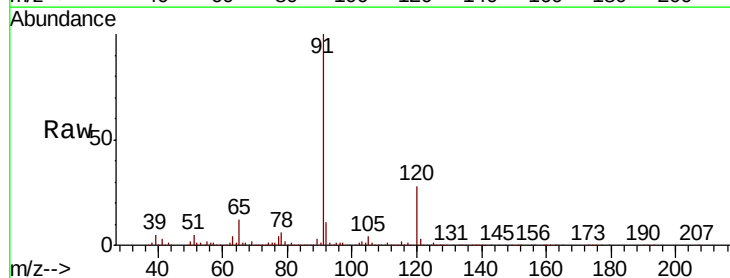
Acq: 16 Dec 2018 02:57

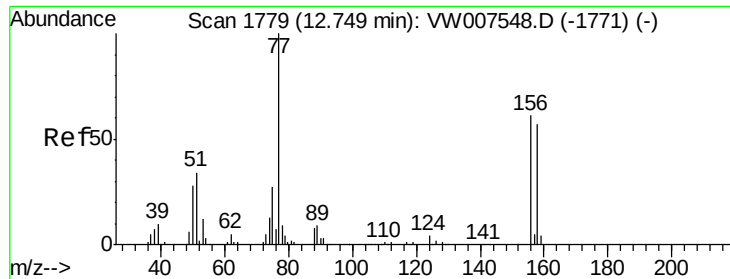
Tgt Ion: 75 Resp: 1843

Ion Ratio Lower Upper

75 100

77 626.0 166.9 500.8#





#77

Bromobenzene

Concen: 100.420 ug/l

RT: 12.92 min Scan# 1807

Delta R.T. 0.17 min

Lab File: VW007605.D

Acq: 16 Dec 2018 02:57

Instrument :

MSVOA_W

ClientSampled :

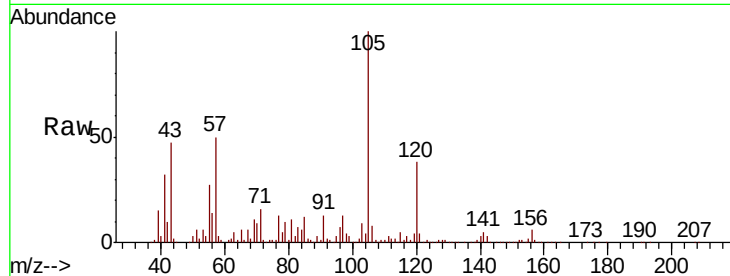
Tot Ion:156 Resp: 14037

Ion Ratio Lower Upper

156 100

77 0.0 88.1 264.4#

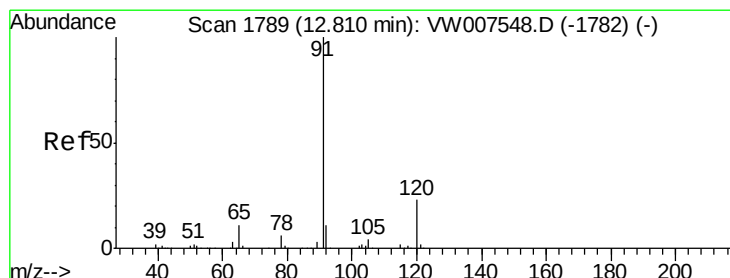
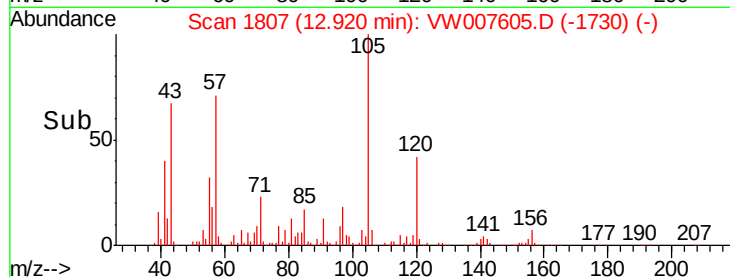
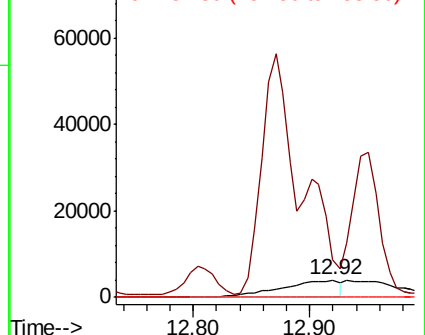
158 0.0 45.6 136.7#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 372.563 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007605.D

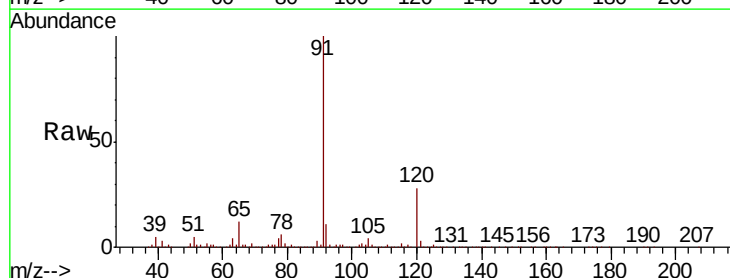
Acq: 16 Dec 2018 02:57

Tgt Ion: 91 Resp: 264407

Ion Ratio Lower Upper

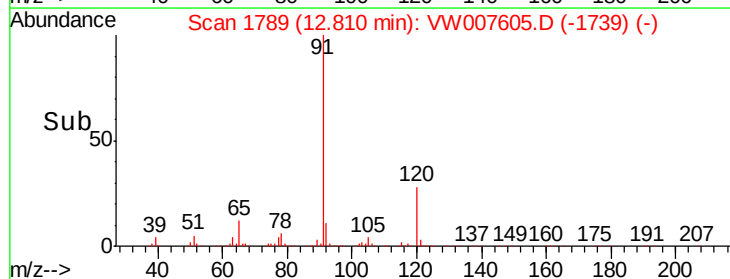
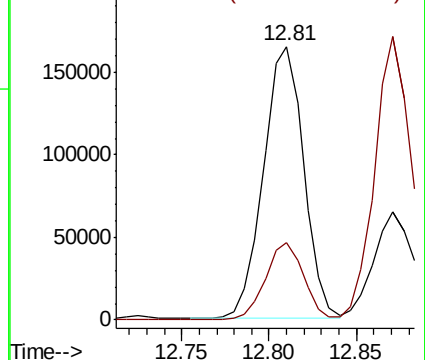
91 100

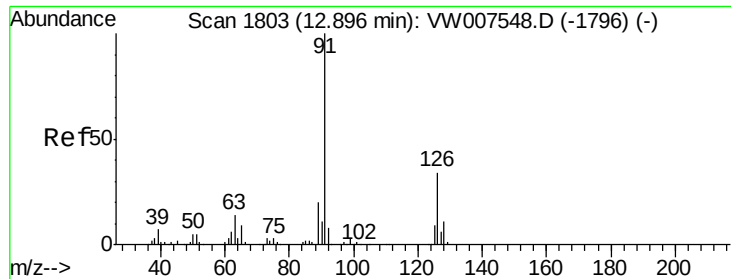
120 27.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

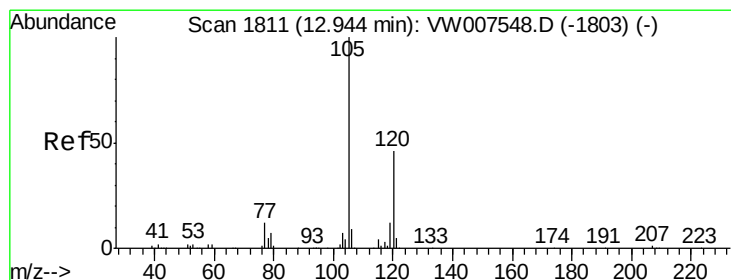
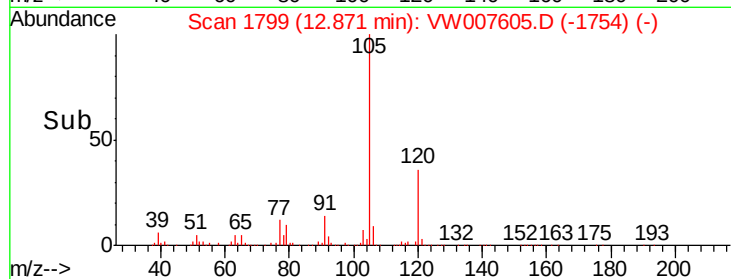
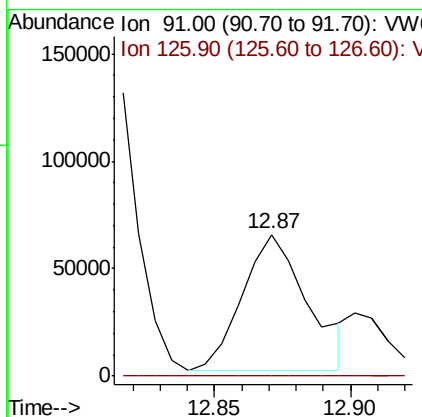
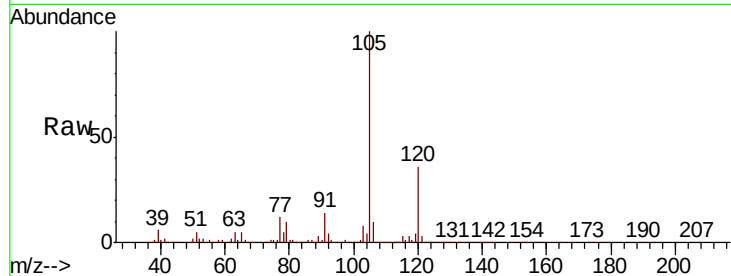




#79
 2-Chlorotoluene
 Concen: 242.966 ug/l
 RT: 12.87 min Scan# 1799
 Delta R.T. -0.02 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

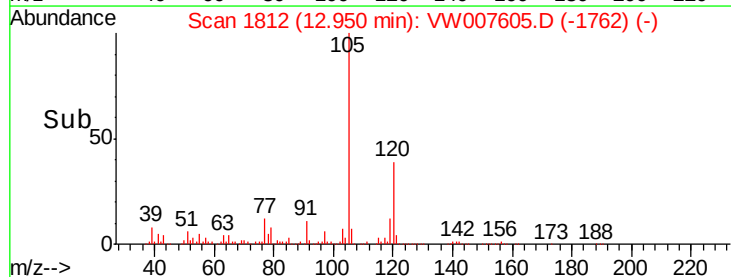
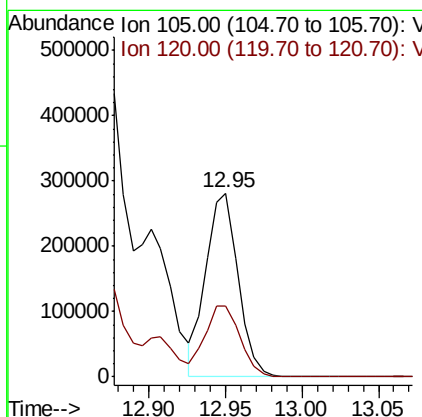
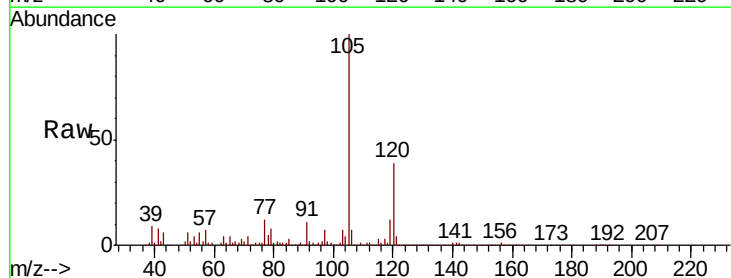
Instrument :
 MSVOA_W
 ClientSampleId :

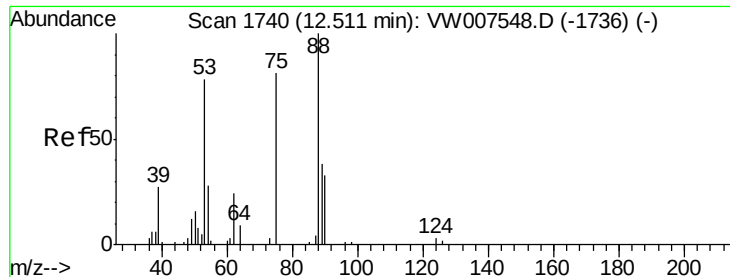
Tot Ion: 91 Resp: 104335
 Ion Ratio Lower Upper
 91 100
 126 1.1 15.9 47.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 776.218 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

Tgt Ion:105 Resp: 411296
 Ion Ratio Lower Upper
 105 100
 120 42.2 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 87.405 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.05 min

Lab File: VW007605.D

Acq: 16 Dec 2018 02:57

Instrument :

MSVOA_W

ClientSampleId :

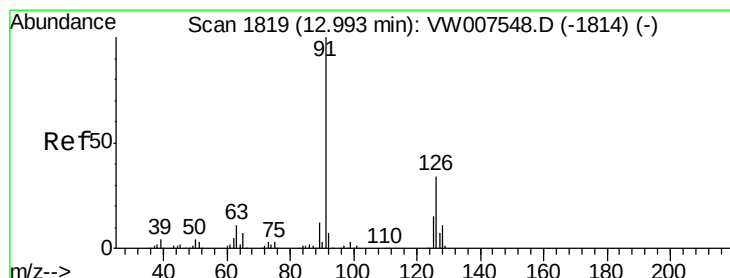
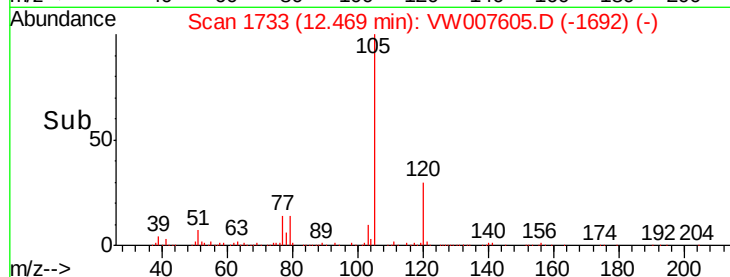
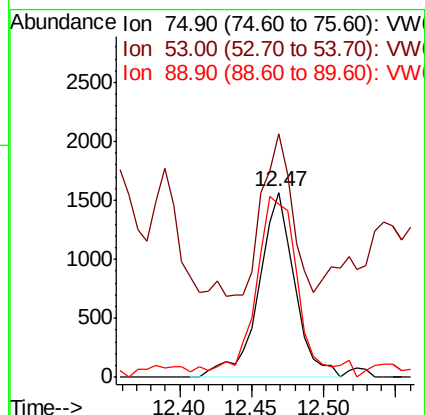
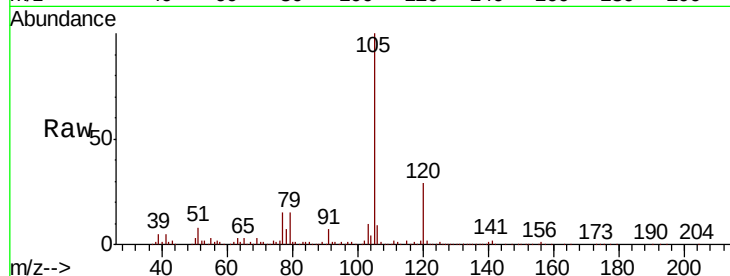
Tot Ion: 75 Resp: 2685

Ion Ratio Lower Upper

75 100

53 70.8 84.9 127.3#

89 115.6 40.3 60.5#



#82

4-Chlorotoluene

Concen: 91.787 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.04 min

Lab File: VW007605.D

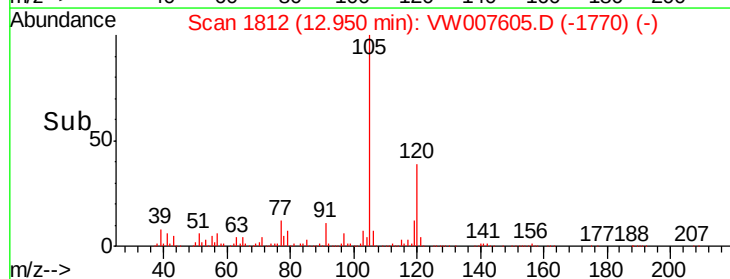
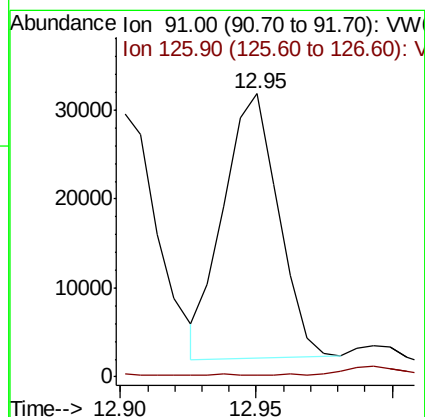
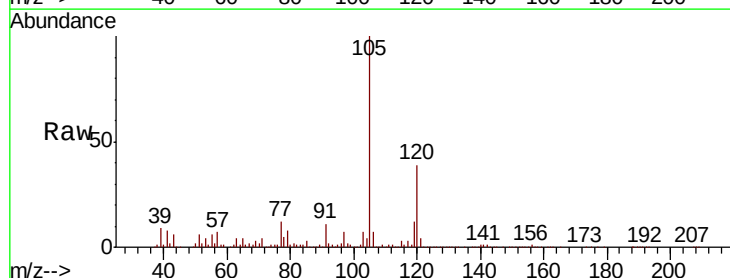
Acq: 16 Dec 2018 02:57

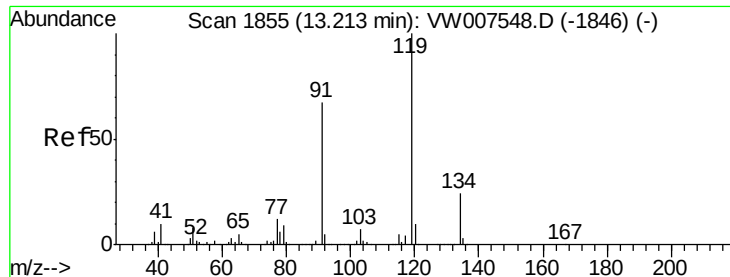
Tgt Ion: 91 Resp: 41548

Ion Ratio Lower Upper

91 100

126 0.7 16.0 48.0#

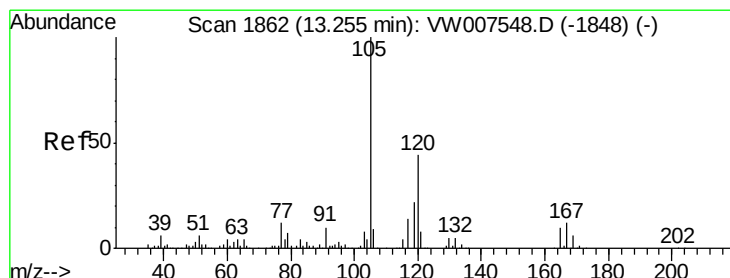
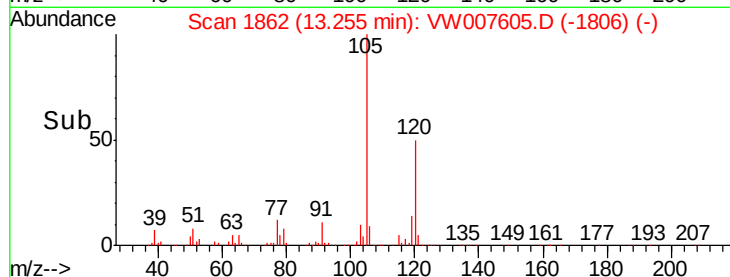
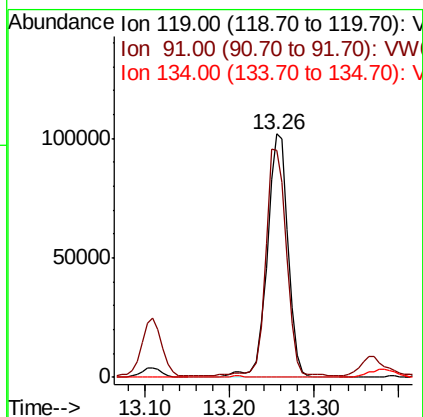
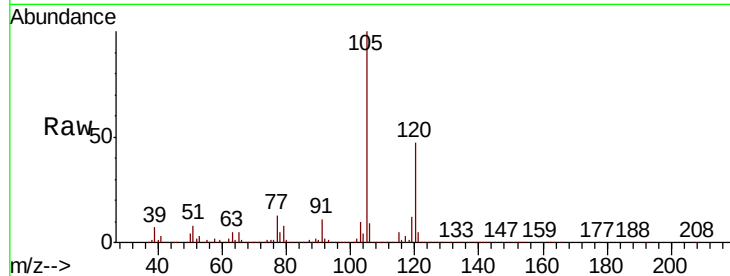




#83
 tert-Butylbenzene
 Concen: 369.909 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.04 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

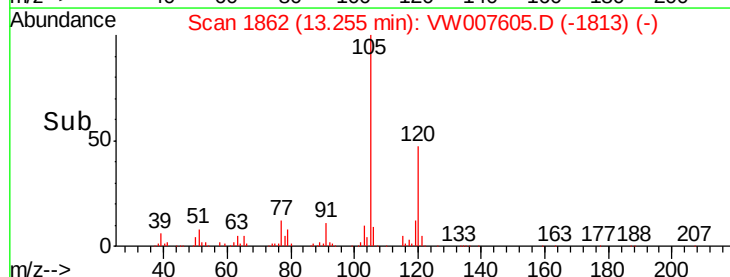
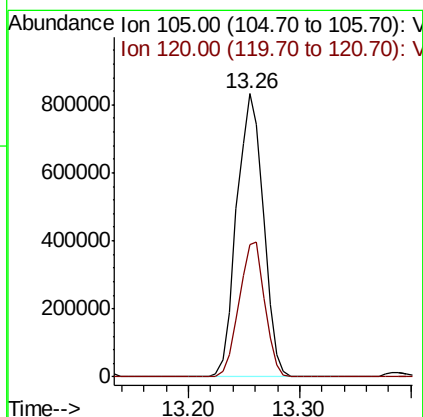
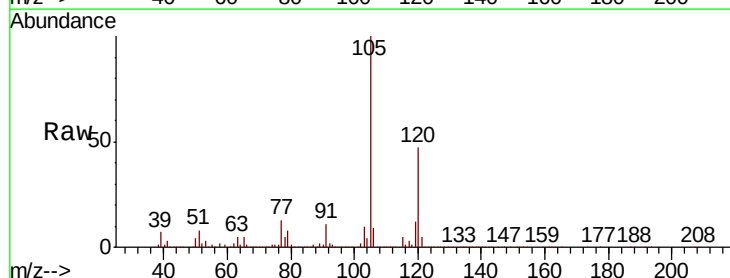
Instrument :
 MSVOA_W
 ClientSampleId :

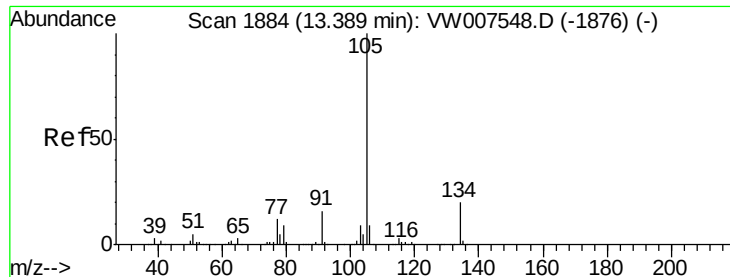
Tot Ion:119 Resp: 172707
 Ion Ratio Lower Upper
 119 100
 91 92.9 33.1 99.2
 134 0.0 12.5 37.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 2522.404 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

Tgt Ion:105 Resp: 1375379
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.6 67.7

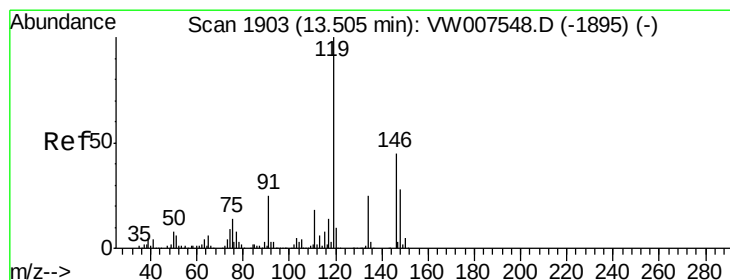
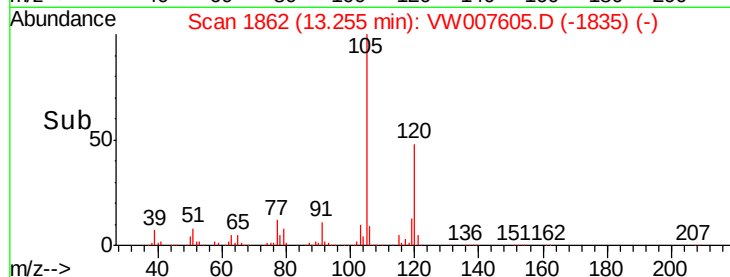
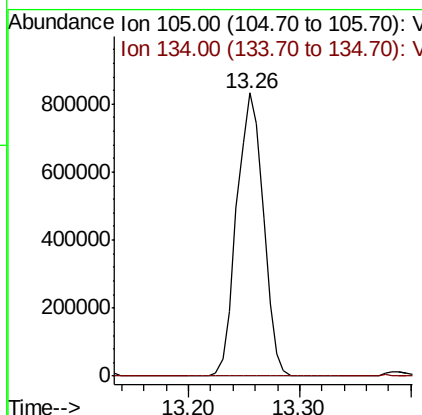
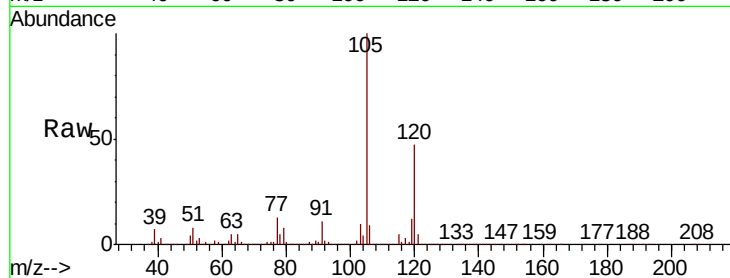




#85
 sec-Butylbenzene
 Concen: 2157.920 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

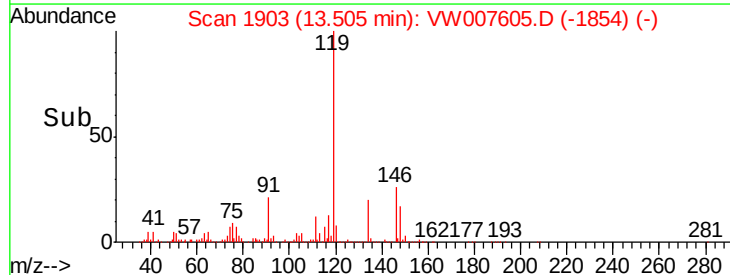
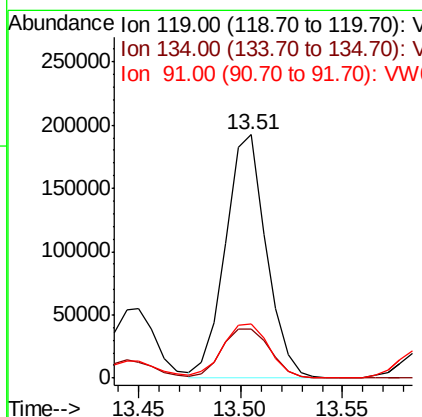
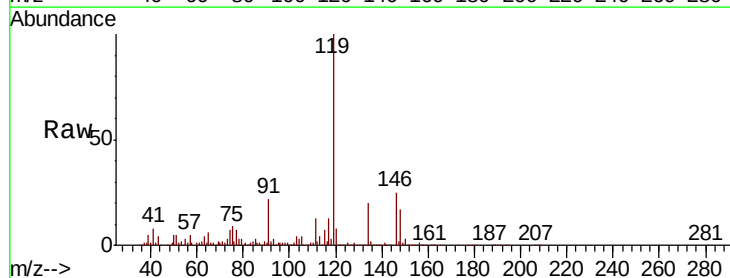
Instrument :
 MSVOA_W
 ClientSampled :

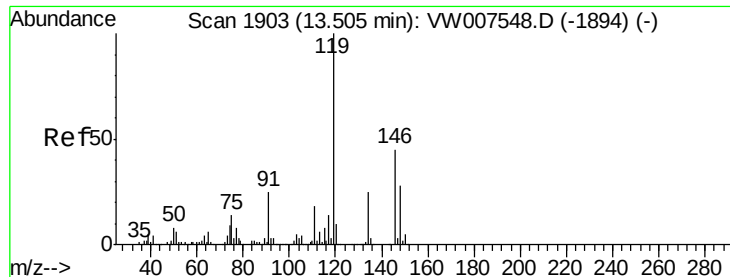
Tot Ion:105 Resp: 1375379
 Ion Ratio Lower Upper
 105 100
 134 0.0 11.1 33.3#



#86
 p-Isopropyltoluene
 Concen: 465.497 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

Tgt Ion:119 Resp: 266538
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.9 38.7
 91 24.6 11.9 35.9

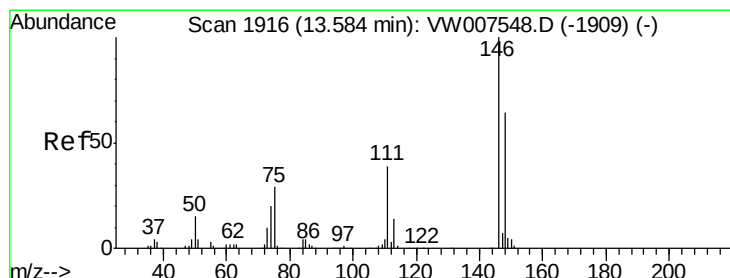
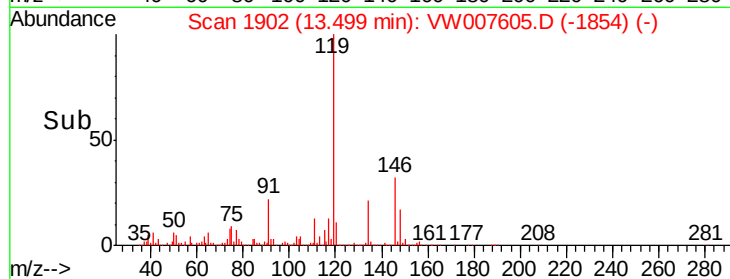
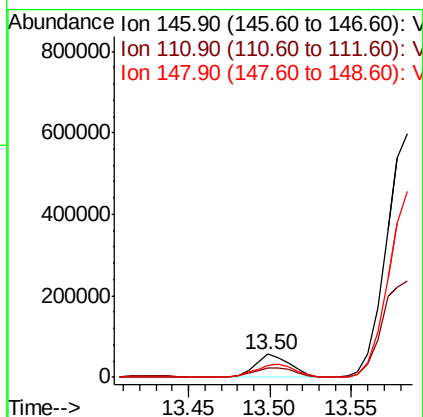
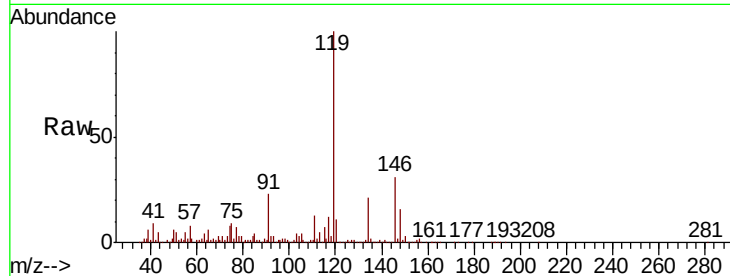




#87
 1,3-Dichlorobenzene
 Concen: 313.773 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

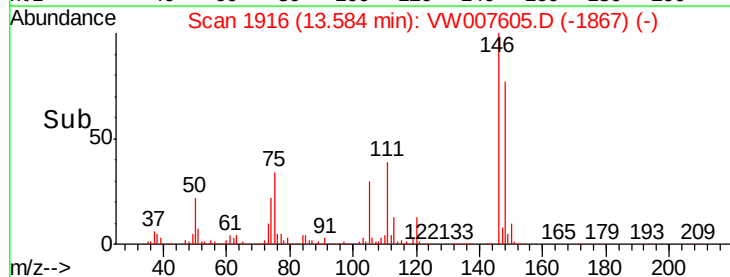
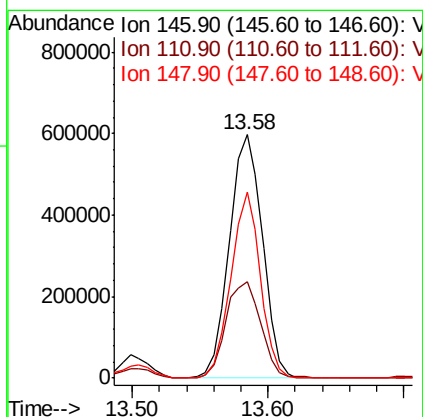
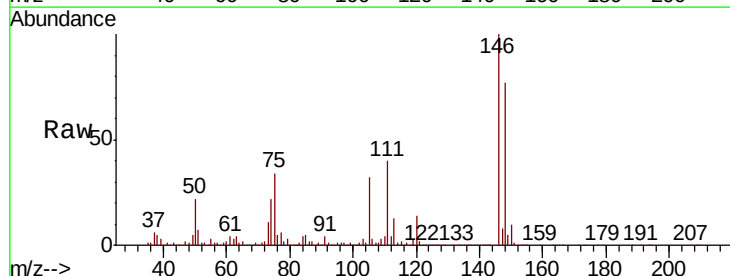
Instrument :
 MSVOA_W
 ClientSampleId :

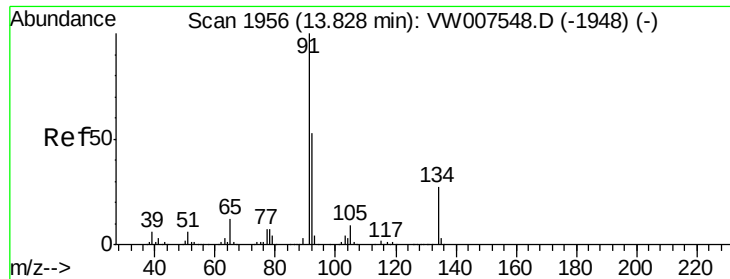
Tot Ion:146 Resp: 87448
 Ion Ratio Lower Upper
 146 100
 111 46.1 20.1 60.3
 148 61.5 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 3591.145 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

Tgt Ion:146 Resp: 1006180
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.3 61.0
 148 68.2 33.5 100.5

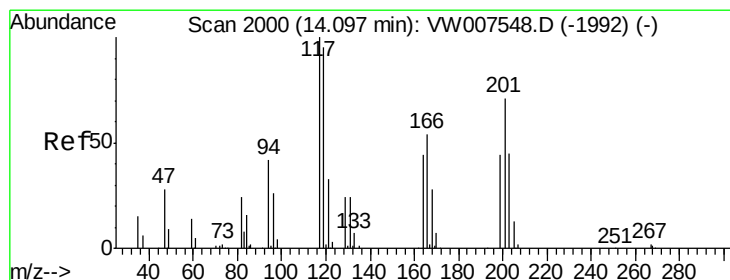
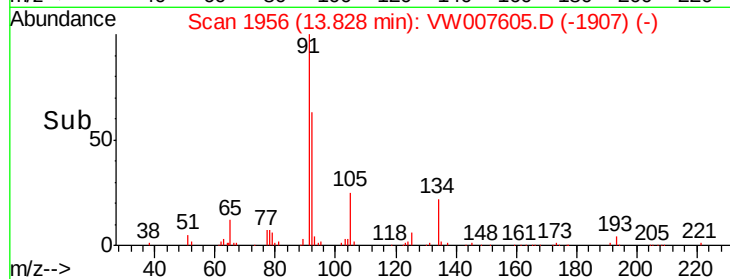
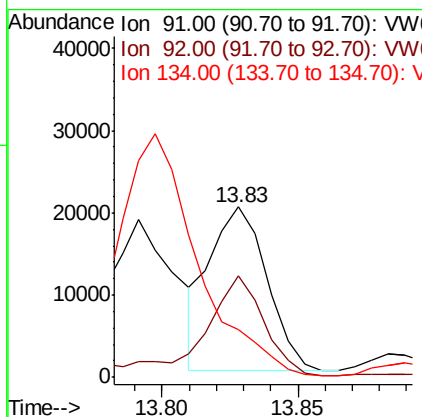
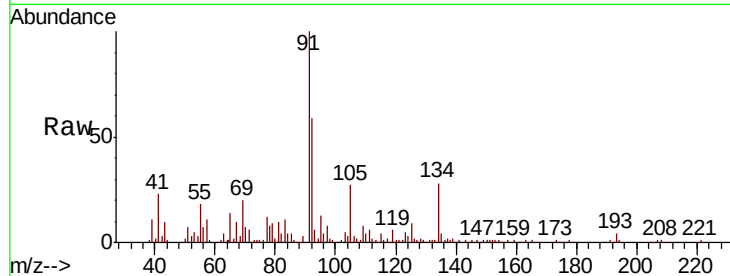




#89
n-Butylbenzene
Concen: 54.326 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

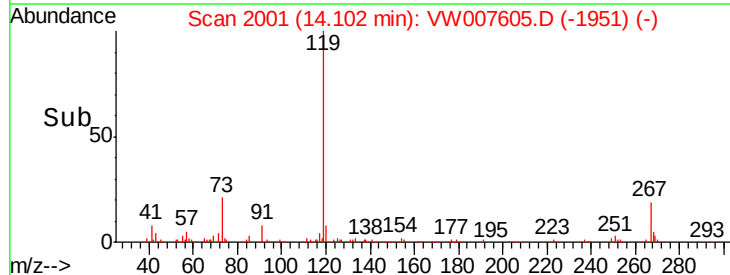
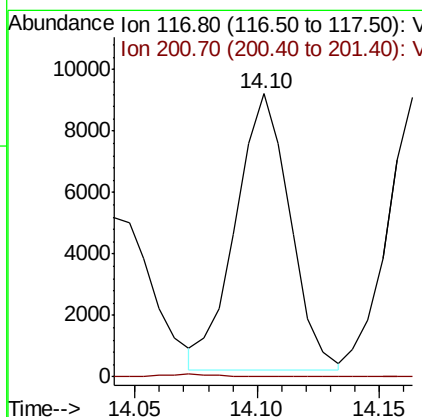
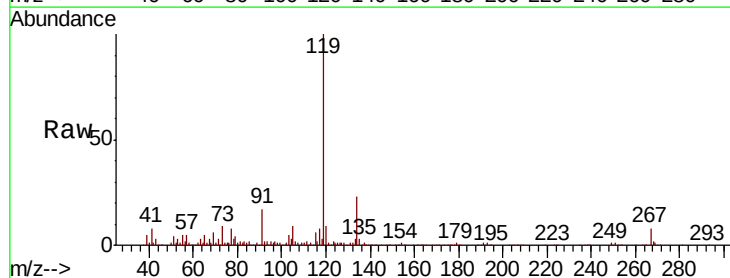
Instrument :
MSVOA_W
ClientSampleId :

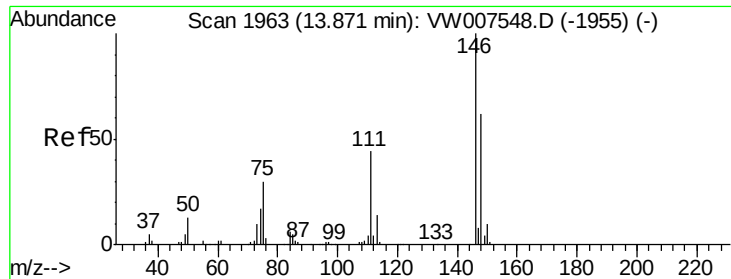
Tot Ion: 91 Resp: 28837
Ion Ratio Lower Upper
91 100
92 63.1 25.7 77.1
134 0.0 13.4 40.2#



#90
Hexachloroethane
Concen: 136.846 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

Tgt Ion: 117 Resp: 13942
Ion Ratio Lower Upper
117 100
201 0.0 35.3 105.9#

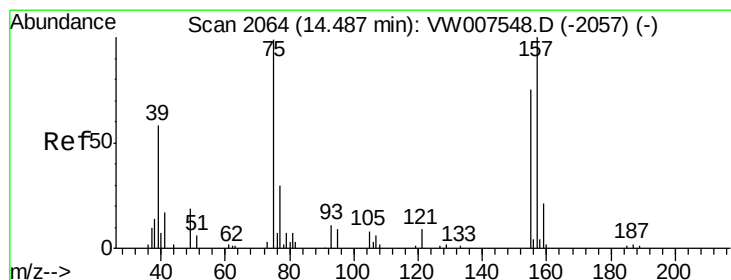
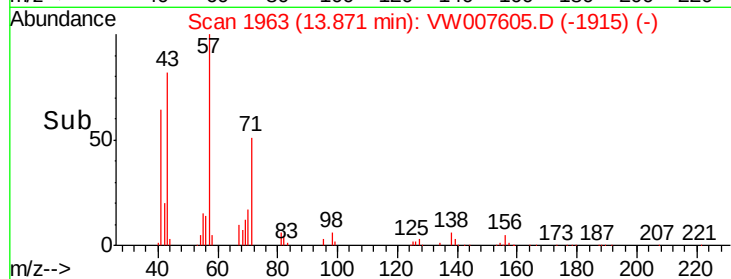
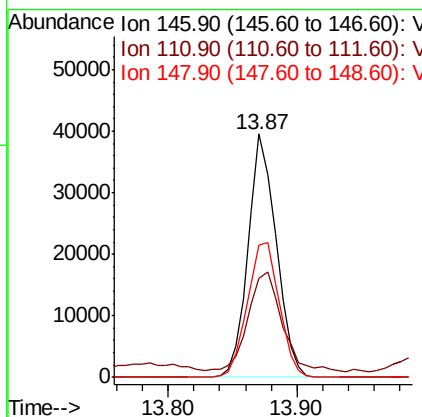
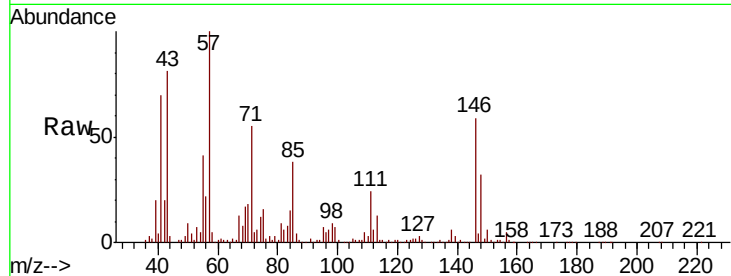




#91
 1,2-Dichlorobenzene
 Concen: 238.239 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

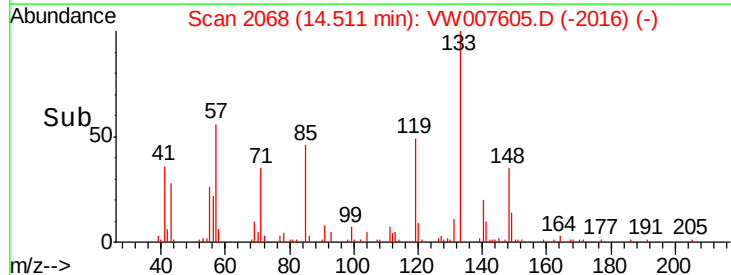
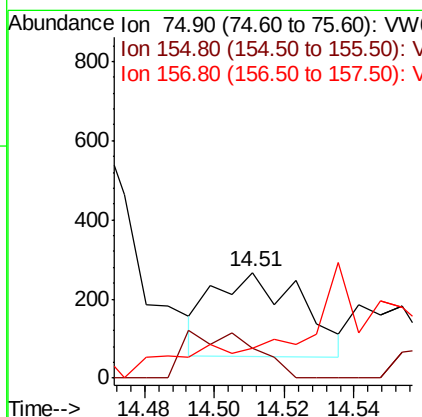
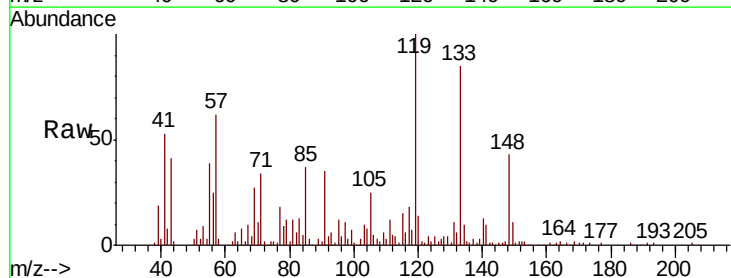
Instrument :
 MSVOA_W
 ClientSampleId :

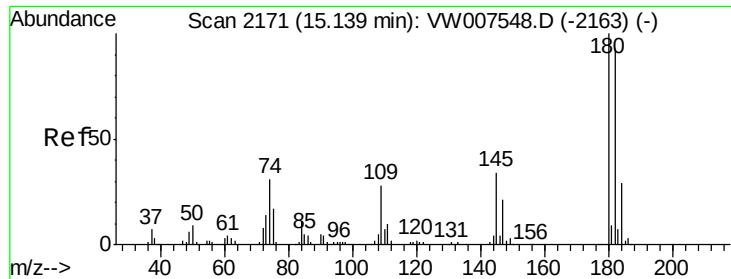
Tot Ion	Ratio	Lower	Upper
146	100		
111	49.5	22.4	67.2
148	62.9	32.4	97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.793 ug/l
 RT: 14.51 min Scan# 2068
 Delta R.T. 0.02 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	44.5	40.8	122.2
157	0.0	51.1	153.4#

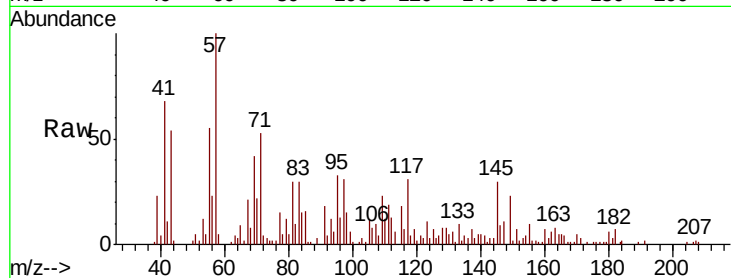




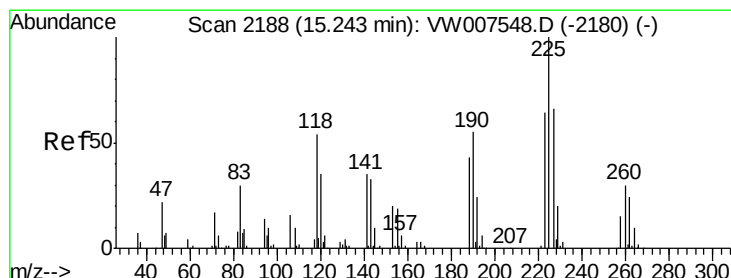
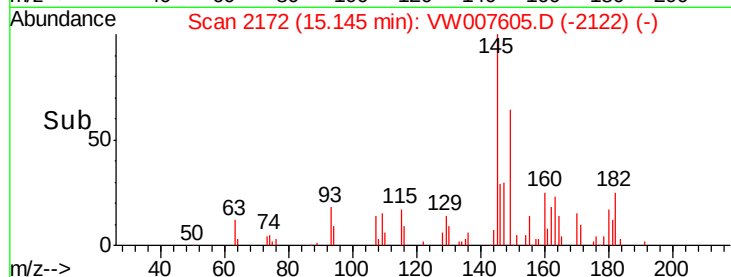
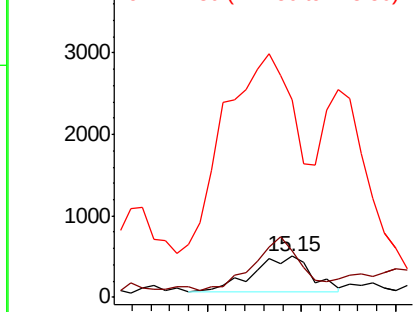
#93
 1,2,4-Trichlorobenzene
 Concen: 5.658 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 972
 Ion Ratio Lower Upper
 180 100
 182 118.1 49.9 149.6
 145 877.5 17.8 53.4#

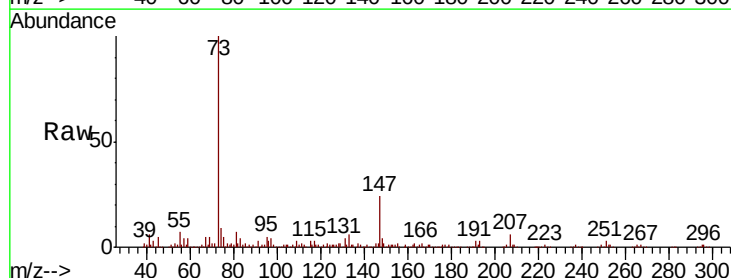


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

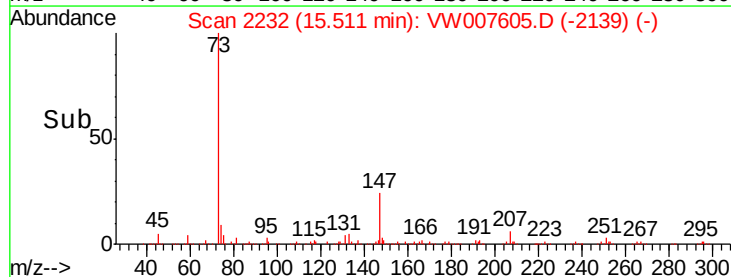
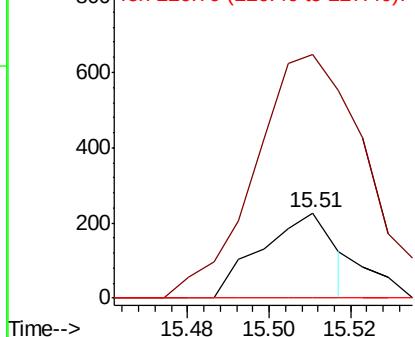


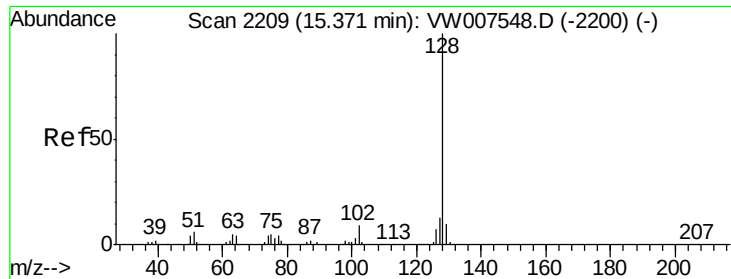
#94
 Hexachlorobutadiene
 Concen: 3.105 ug/l
 RT: 15.51 min Scan# 2232
 Delta R.T. 0.27 min
 Lab File: VW007605.D
 Acq: 16 Dec 2018 02:57

Tgt Ion:225 Resp: 283
 Ion Ratio Lower Upper
 225 100
 223 337.1 32.1 96.3#
 227 0.0 31.9 95.9#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

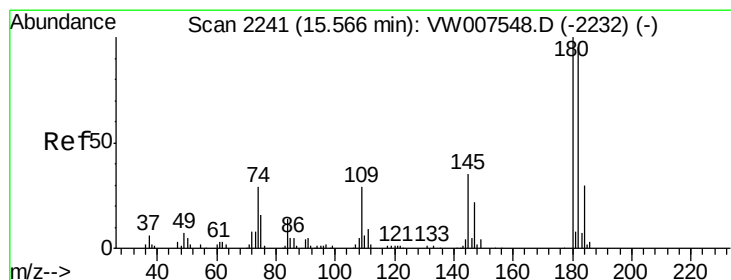
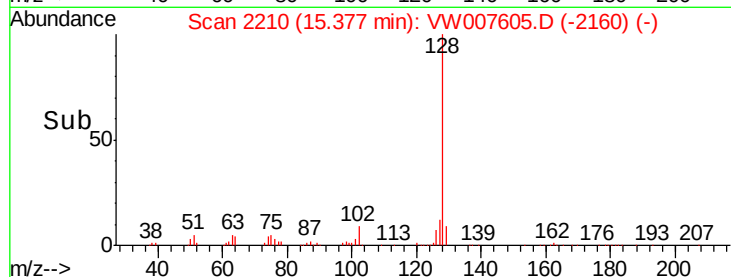
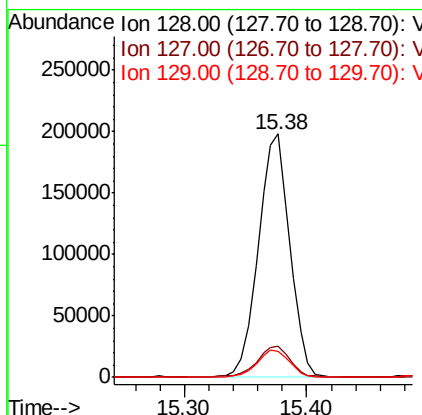
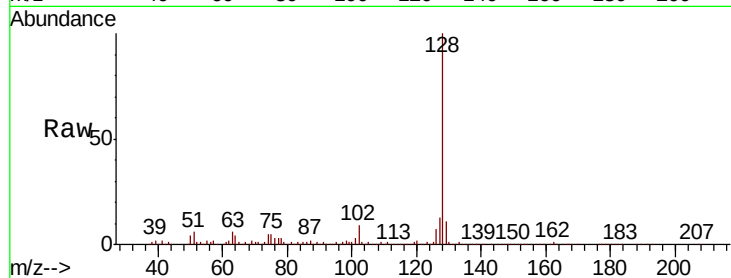




#95
Naphthalene
Concen: 1069.406 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	11.3	8.3	12.5



#96
1,2,3-Trichlorobenzene
Concen: 4.202 ug/l
RT: 15.76 min Scan# 2273
Delta R.T. 0.20 min
Lab File: VW007605.D
Acq: 16 Dec 2018 02:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	47.0	45.6	136.7
145	50.4	17.5	52.5

