

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121818\
 Data File : VW007604.D
 Acq On : 16 Dec 2018 02:31
 Operator : SY/AP
 Sample : J6378-10
 Misc : 2.99G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 17 00:13:59 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	40088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	63332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	26878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	6616	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	33574	75.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.98%	
35) Dibromofluoromethane	7.88	113	26032	67.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.80%	
50) Toluene-d8	10.32	98	61696	42.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.84%	
62) 4-Bromofluorobenzene	12.62	95	9631	18.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.44%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.15	59	49	1.604	ug/l #	74
13) Acrolein	4.12	56	55	2.721	ug/l #	14
15) Acrylonitrile	5.43	53	28733	351.808	ug/l #	39
16) Acetone	4.12	43	21445	276.056	ug/l	92
17) Carbon Disulfide	4.37	76	1967	1.650	ug/l #	75
20) Methylene Chloride	4.90	84	1006	Below Cal	#	1
24) 1,1-Dichloroethane	5.94	63	4041	5.366	ug/l #	82
25) 2-Butanone	7.17	43	11582	114.203	ug/l #	89
31) Cyclohexane	7.95	56	200286	289.890	ug/l	96
36) 1,1-Dichloropropene	7.95	75	3402	5.889	ug/l #	30
37) Ethyl Acetate	7.17	43	11582	53.900	ug/l #	71
38) Carbon Tetrachloride	7.95	117	4388	6.980	ug/l #	19
39) Methylcyclohexane	9.34	83	275099	393.236	ug/l	92
40) Benzene	8.32	78	254883	158.972	ug/l	99
42) 1,2-Dichloroethane	8.40	62	599	1.189	ug/l #	76
43) Isopropyl Acetate	8.42	43	10946	25.788	ug/l #	50
45) 1,2-Dichloropropane	9.34	63	3107	8.374	ug/l #	1
48) Methyl methacrylate	9.52	41	6547	30.033	ug/l #	51
51) 4-Methyl-2-Pentanone	10.32	43	4731	23.590	ug/l #	51
52) Toluene	10.39	92	9277	8.941	ug/l	97
55) 1,1,2-Trichloroethane	10.76	97	20521	71.561	ug/l #	24
56) Ethyl methacrylate	10.67	69	6811	19.760	ug/l #	1
59) 2-Hexanone	10.94	43	32196	240.754	ug/l #	30
65) Chlorobenzene	11.66	112	1390119	2481.367	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.85	131	219	1.110	ug/l #	1
67) Ethyl Benzene	11.84	91	21790221	22623.233	ug/l #	22
68) m/p-Xylenes	11.85	106	13532744	36141.093	ug/l #	71
70) Styrene	12.17	104	2430	4.302	ug/l #	1
71) Bromoform	12.61	173	443	4.387	ug/l #	1
73) Isopropylbenzene	12.47	105	134943	266.189	ug/l	98
74) N-amyl acetate	12.26	43	16439	178.428	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.65	83	281	3.742	ug/l #	1
76) 1,2,3-Trichloropropane	12.81	75	1385	25.389	ug/l #	1
78) n-propylbenzene	12.81	91	194219	340.426	ug/l	100

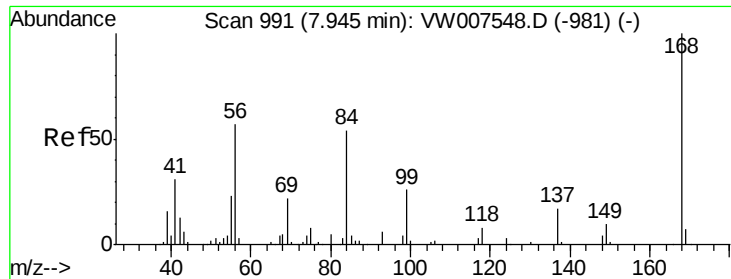
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121818\
 Data File : VW007604.D
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Quant Time: Dec 17 00:13:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.87	91	72855	211.047	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.94	105	299937	704.147	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.46	75	1758	71.189	ug/l #	66
82) 4-Chlorotoluene	12.94	91	34556	94.964	ug/l #	45
83) tert-Butylbenzene	13.26	119	119649	318.786	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.26	105	974087	2222.257	ug/l	98
85) sec-Butylbenzene	13.26	105	974087	1901.144	ug/l #	54
86) p-Isopropyltoluene	13.51	119	140851	306.000	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	111583	498.045	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	923130	4098.496	ug/l	97
89) n-Butylbenzene	13.83	91	23225	54.427	ug/l #	71
90) Hexachloroethane	14.10	117	12133	148.143	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.50	75	323	21.436	ug/l #	27
93) 1,2,4-Trichlorobenzene	15.13	180	644	4.663	ug/l #	1
94) Hexachlorobutadiene	15.51	225	256	3.494	ug/l #	1
95) Naphthalene	15.37	128	356570	1349.714	ug/l	97
96) 1,2,3-Trichlorobenzene	15.58	180	440	3.668	ug/l #	28

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

Instrument :

MSVOA_W

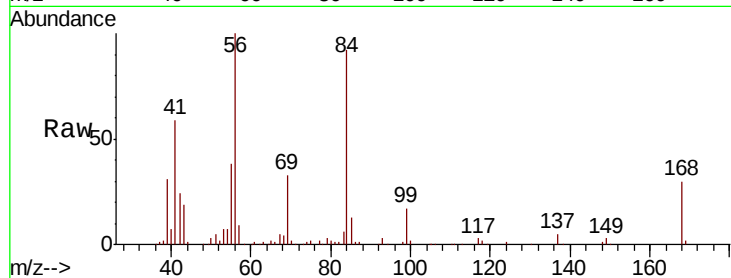
ClientSampled :

Tot Ion:168 Resp: 40088

Ion Ratio Lower Upper

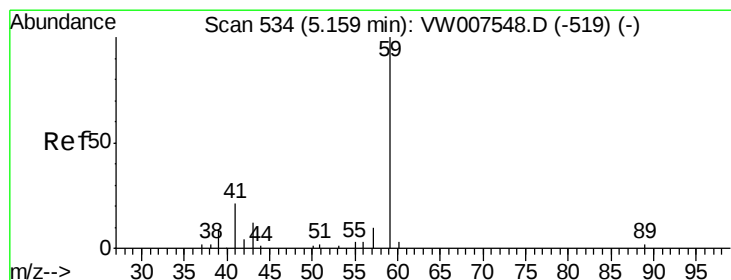
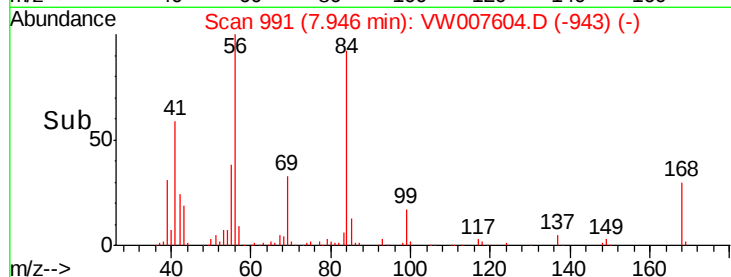
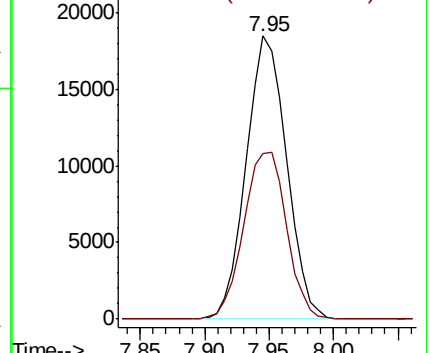
168 100

99 58.6 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.604 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW007604.D

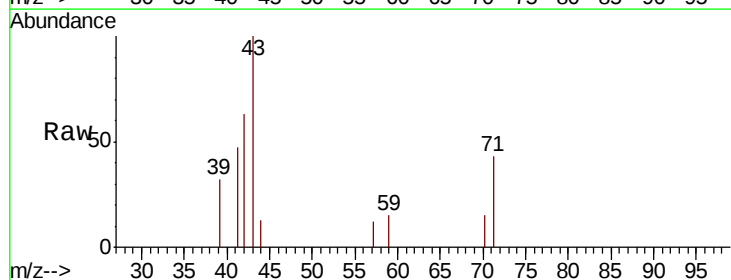
Acq: 16 Dec 2018 02:31

Tgt Ion: 59 Resp: 49

Ion Ratio Lower Upper

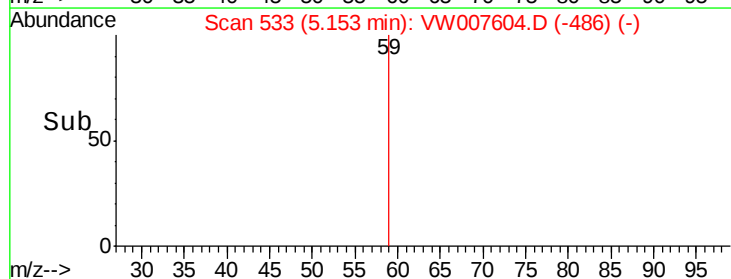
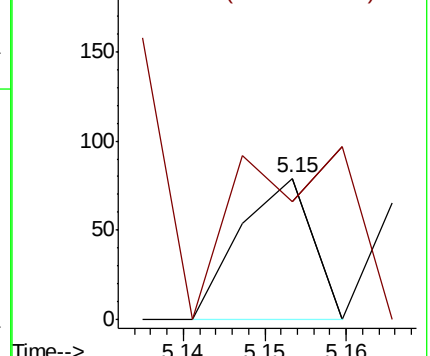
59 100

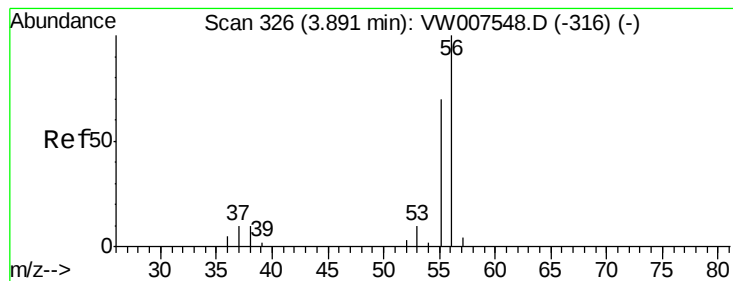
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.721 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.23 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

Instrument :

MSVOA_W

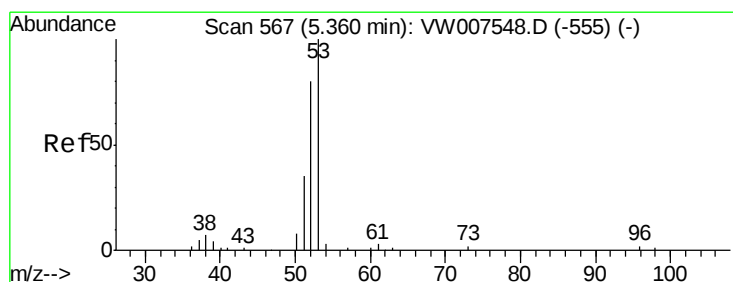
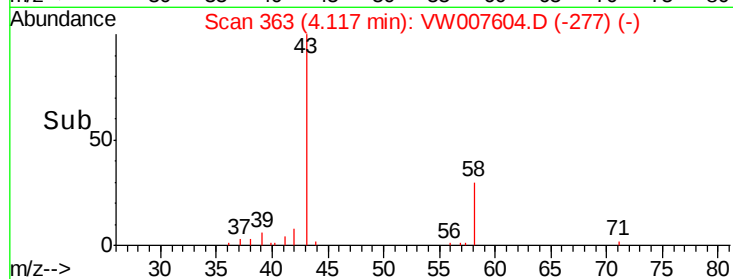
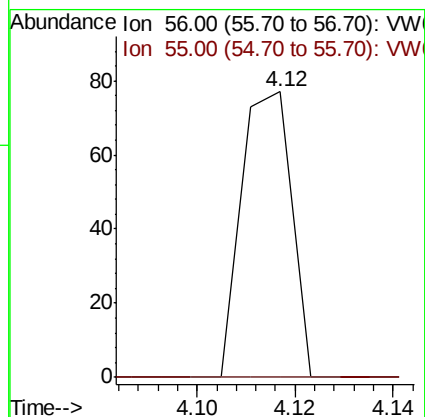
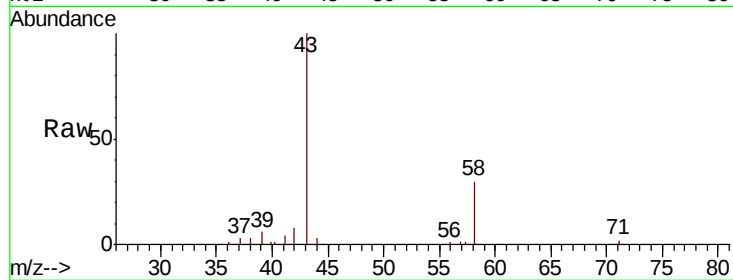
ClientSampleId :

Tot Ion: 56 Resp: 55

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.2#



#15

Acrylonitrile

Concen: 351.808 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.06 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

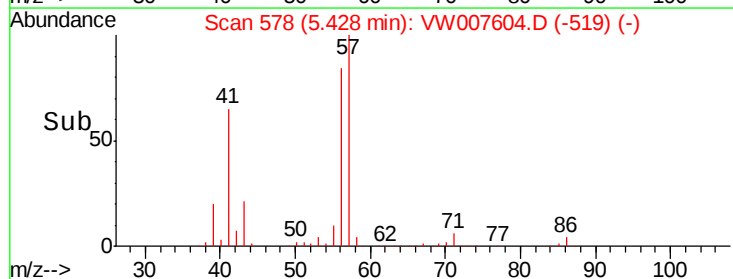
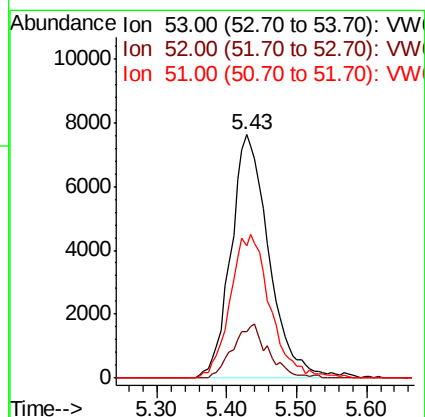
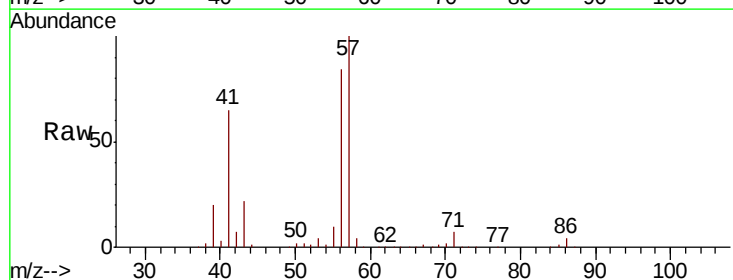
Tgt Ion: 53 Resp: 28733

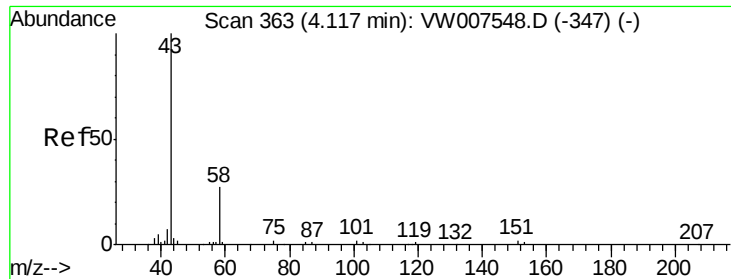
Ion Ratio Lower Upper

53 100

52 20.7 67.4 101.2#

51 62.3 30.2 45.2#





#16

Acetone

Concen: 276.056 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

Instrument :

MSVOA_W

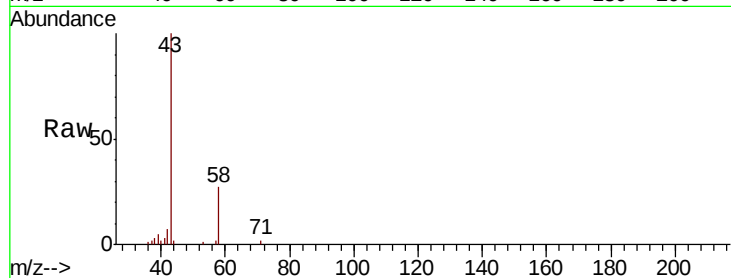
ClientSampleId :

Tot Ion: 43 Resp: 21445

Ion Ratio Lower Upper

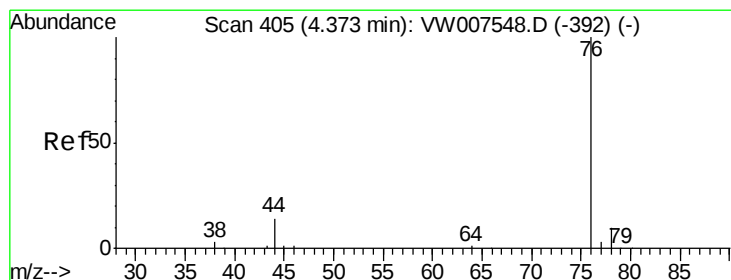
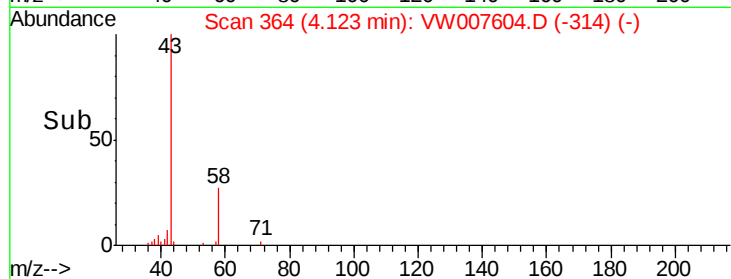
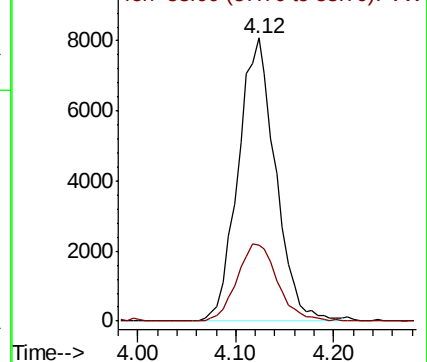
43 100

58 26.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.650 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW007604.D

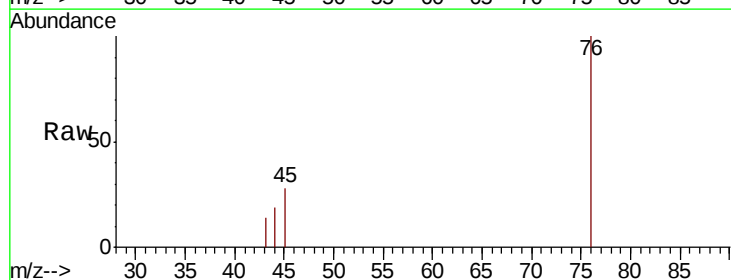
Acq: 16 Dec 2018 02:31

Tgt Ion: 76 Resp: 1967

Ion Ratio Lower Upper

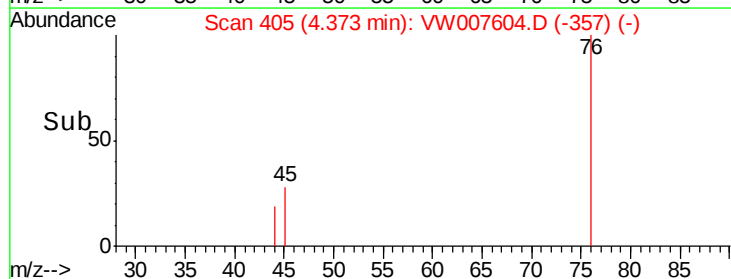
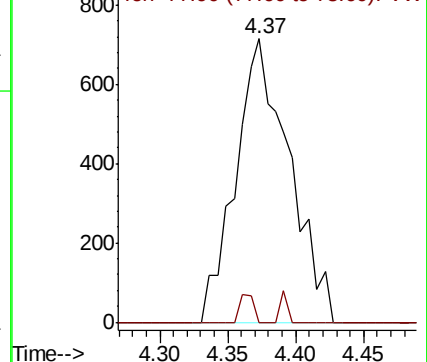
76 100

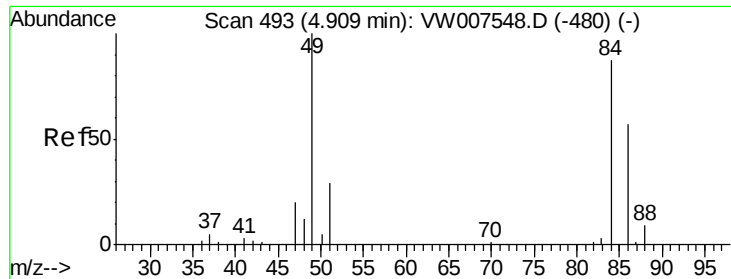
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. 0.00 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 1006

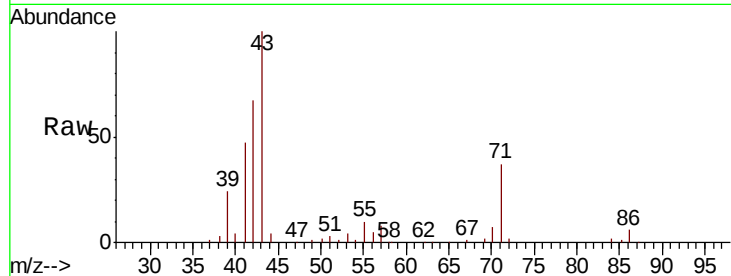
Ion Ratio Lower Upper

84 100

49 81.5 87.1 130.7#

51 144.5 28.2 42.2#

86 300.0 50.8 76.2#

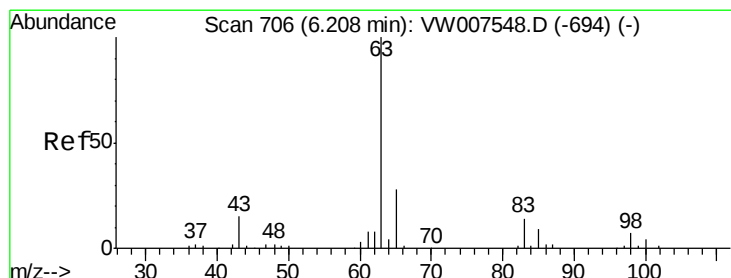
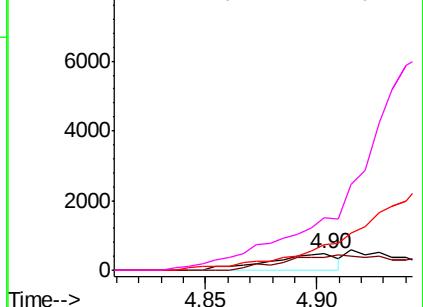
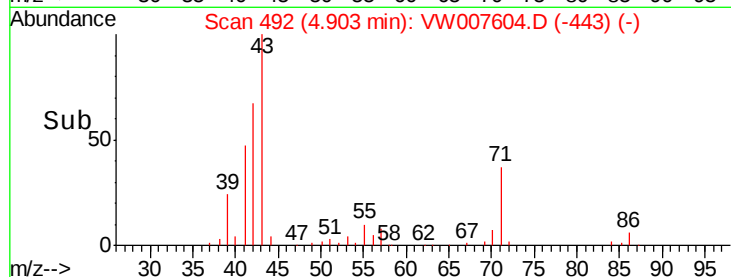


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#24

1,1-Dichloroethane

Concen: 5.366 ug/l

RT: 5.94 min Scan# 662

Delta R.T. -0.27 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

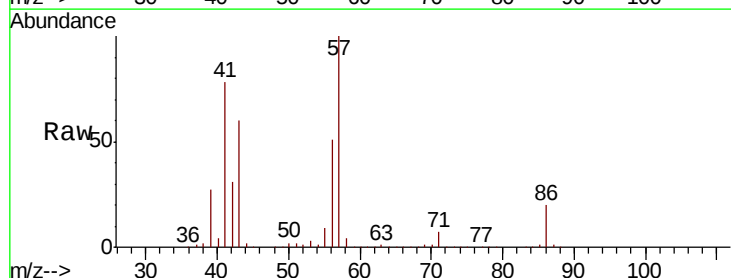
Tgt Ion: 63 Resp: 4041

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

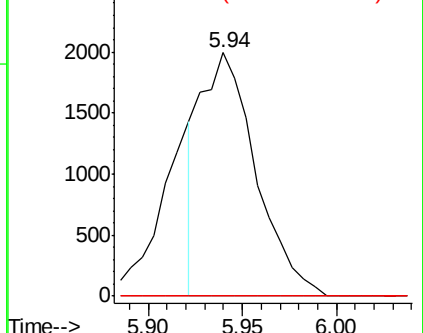
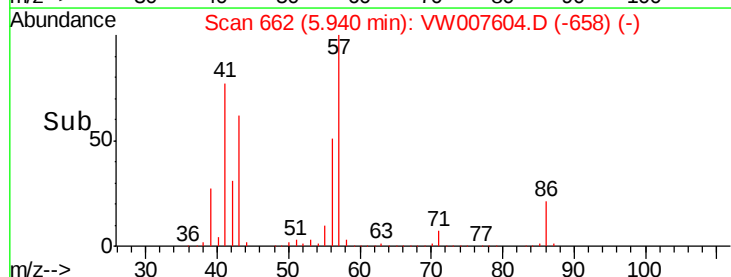
100 0.0 2.5 7.5#

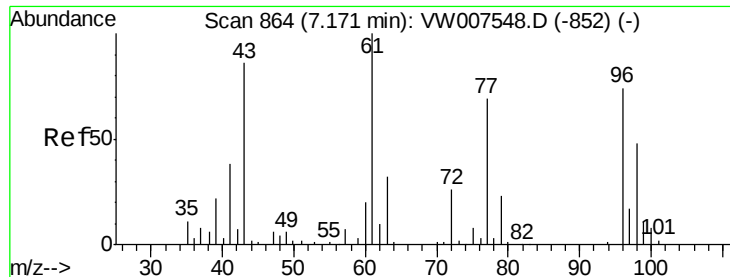


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 114.203 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

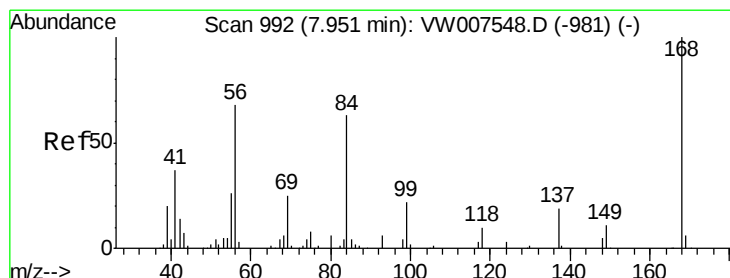
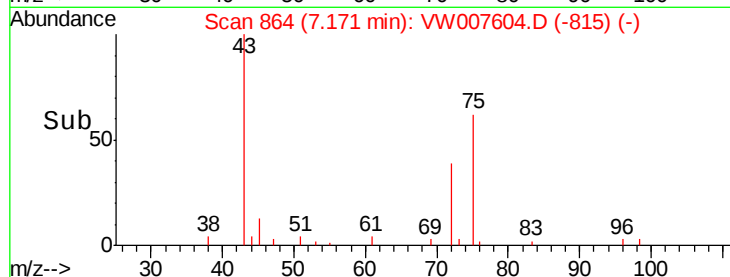
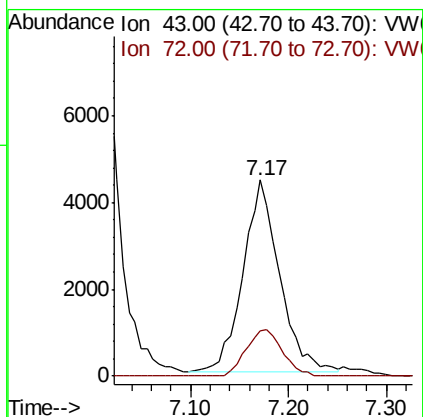
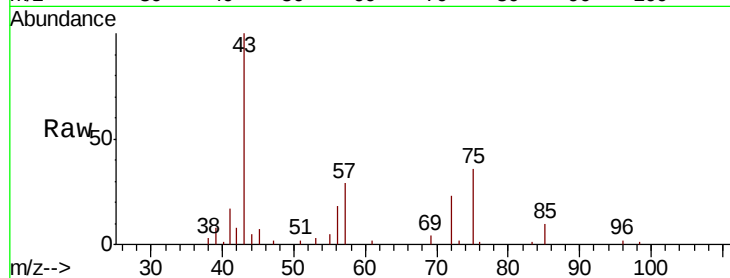
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 11582

Ion Ratio Lower Upper

43 100

72 23.3 23.4 35.2#



#31

Cyclohexane

Concen: 289.890 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

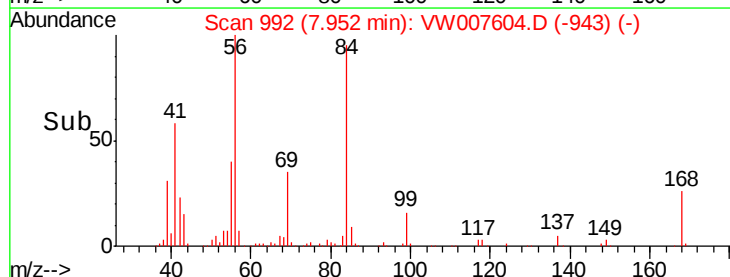
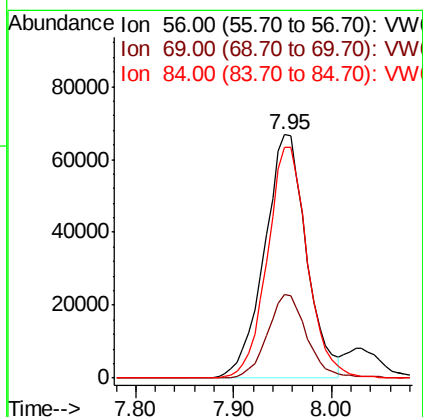
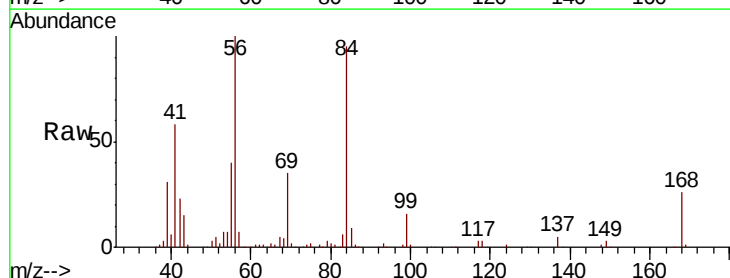
Tgt Ion: 56 Resp: 200286

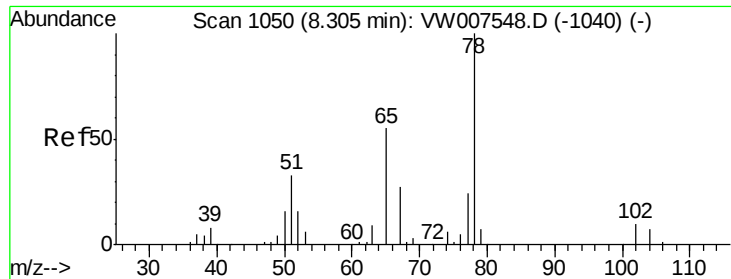
Ion Ratio Lower Upper

56 100

69 34.5 28.9 43.3

84 94.6 71.8 107.6

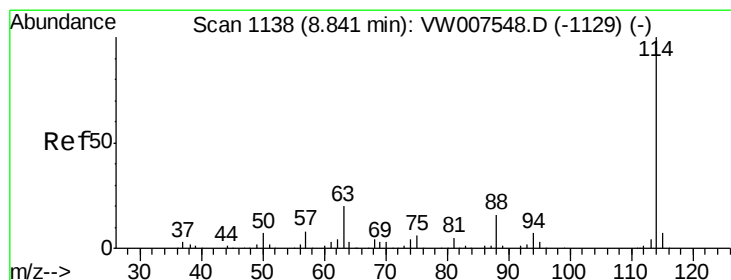
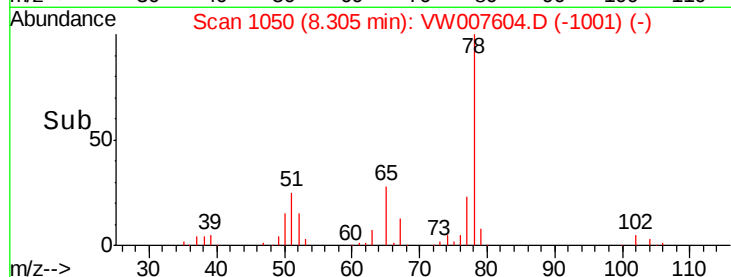
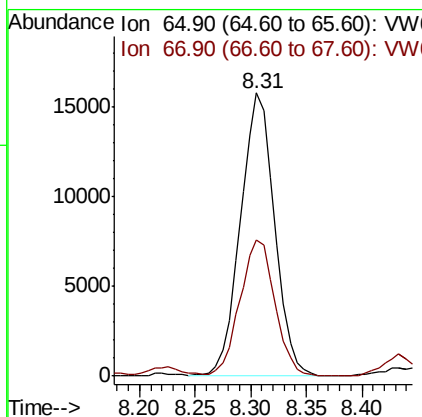
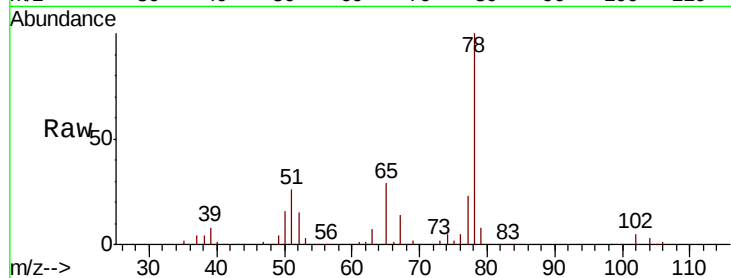




#33
 1,2-Dichloroethane-d4
 Concen: 75.491 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007604.D
 Acq: 16 Dec 2018 02:31

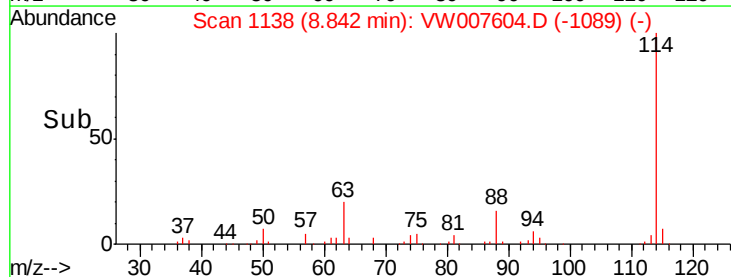
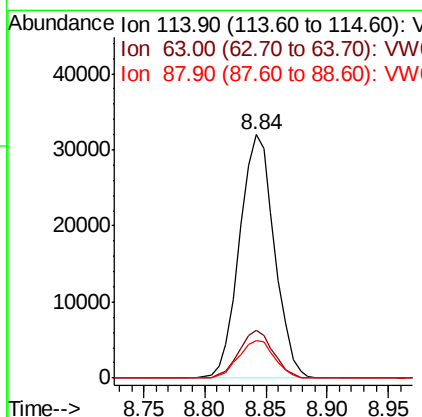
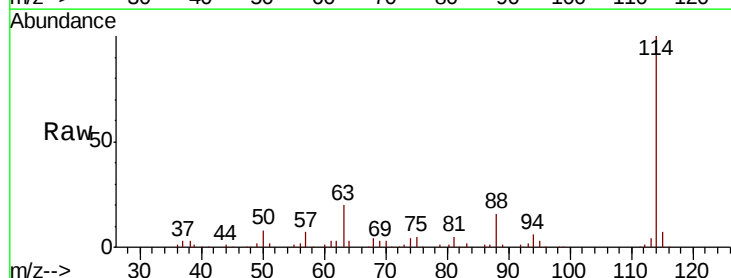
Instrument :
 MSVOA_W
 ClientSampleId :

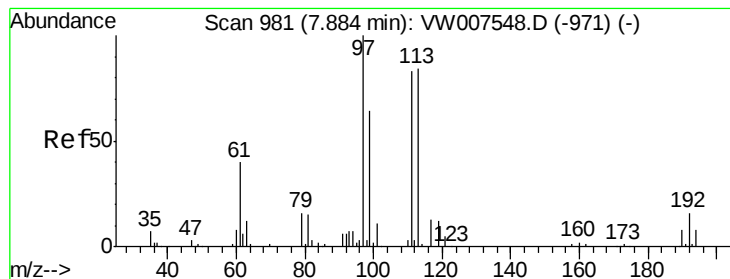
Tot Ion: 65 Resp: 33574
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007604.D
 Acq: 16 Dec 2018 02:31

Tgt Ion: 114 Resp: 63332
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.6
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 67.902 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

Instrument :

MSVOA_W

ClientSampled :

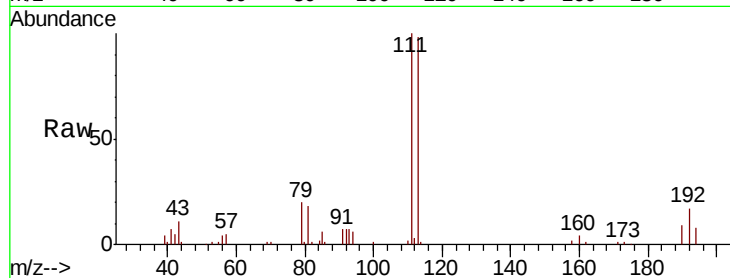
Tot Ion:113 Resp: 26032

Ion Ratio Lower Upper

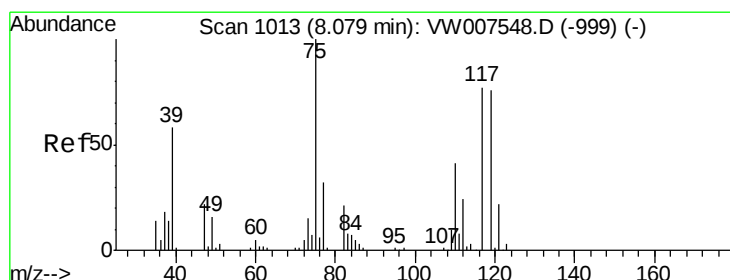
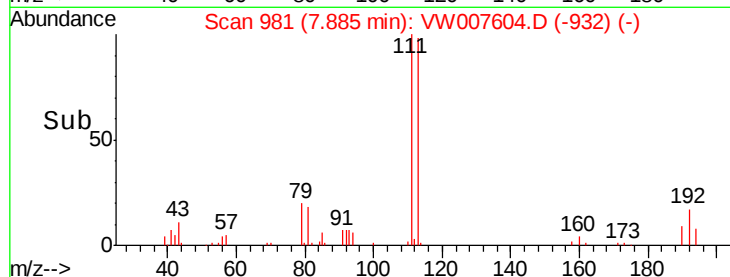
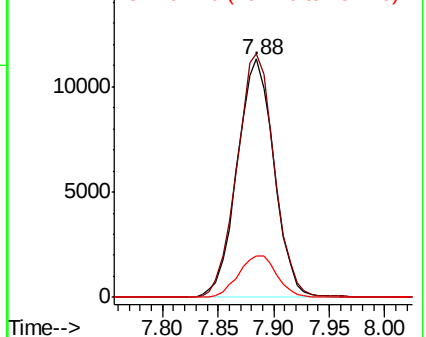
113 100

111 103.3 81.1 121.7

192 18.0 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: 5.889 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

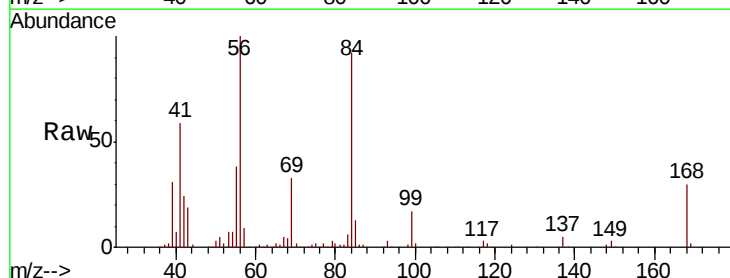
Tgt Ion: 75 Resp: 3402

Ion Ratio Lower Upper

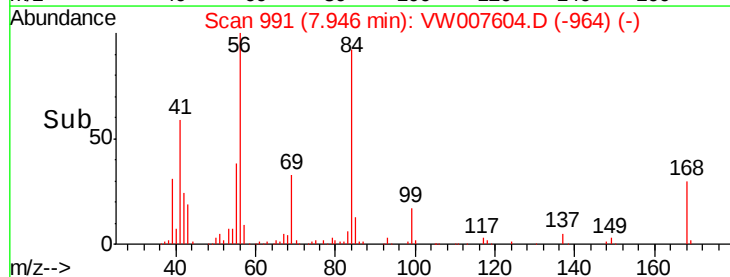
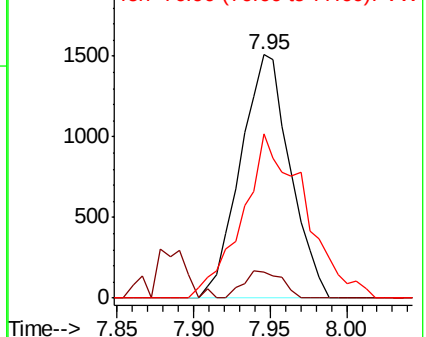
75 100

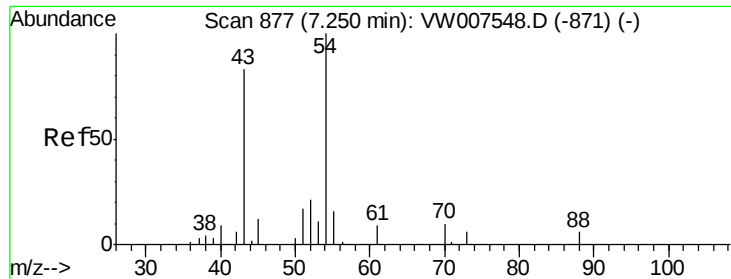
110 8.7 18.5 55.5#

77 85.0 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

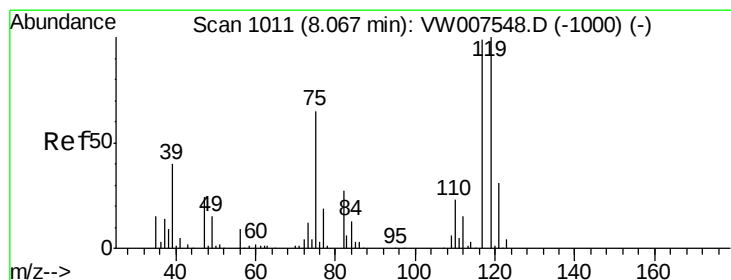
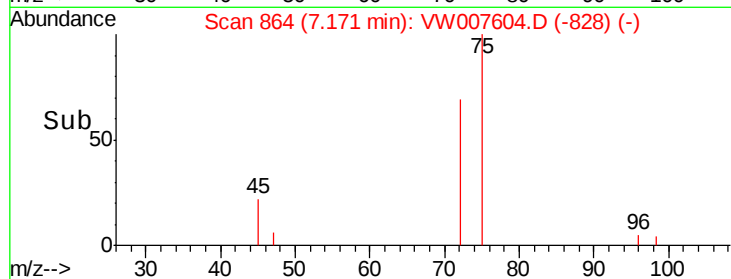
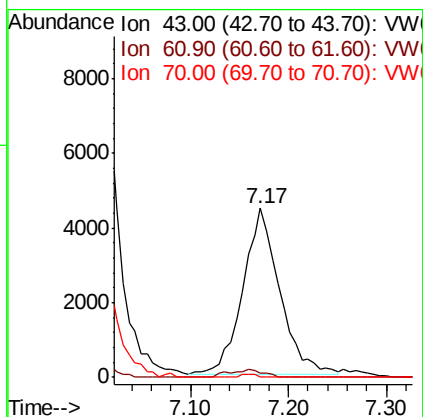
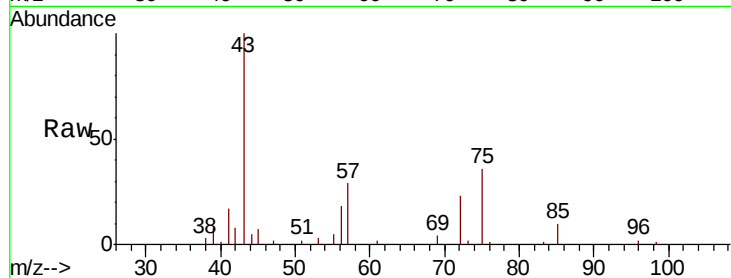




#37
Ethyl Acetate
Concen: 53.900 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

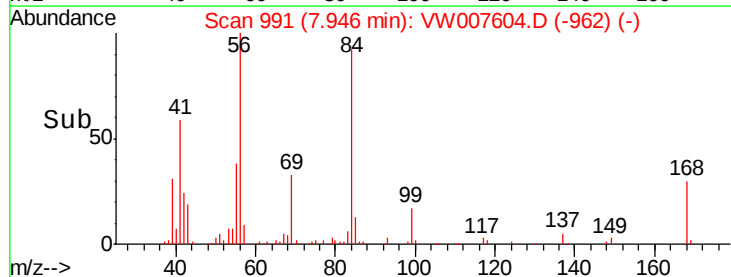
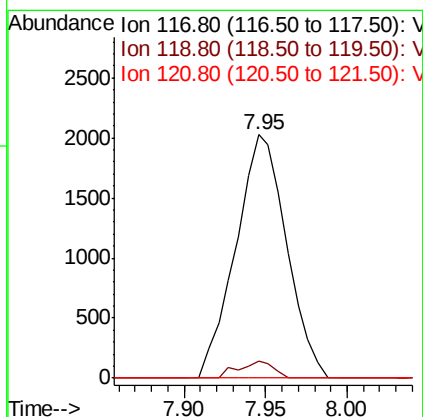
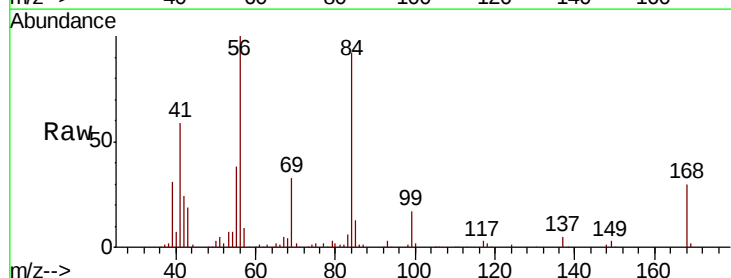
Instrument :
MSVOA_W
ClientSampled :

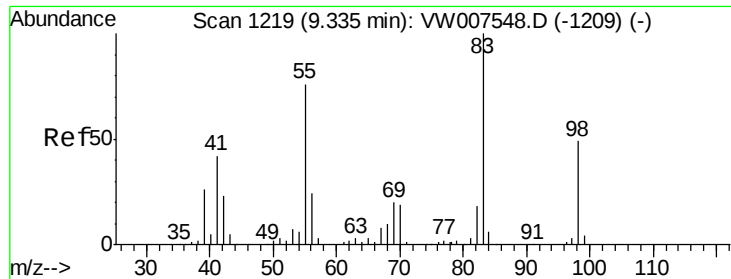
Tot Ion: 43 Resp: 11582
Ion Ratio Lower Upper
43 100
61 4.2 12.1 18.1#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 6.980 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

Tgt Ion: 117 Resp: 4388
Ion Ratio Lower Upper
117 100
119 7.0 74.3 111.5#
121 0.0 24.3 36.5#

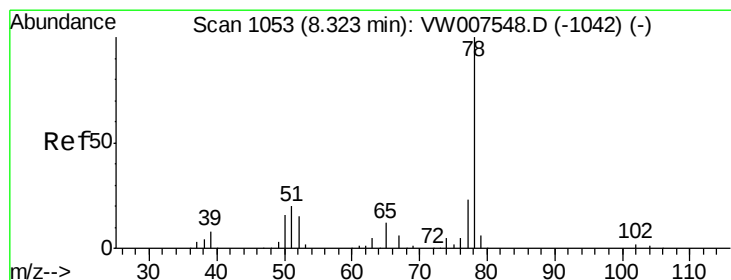
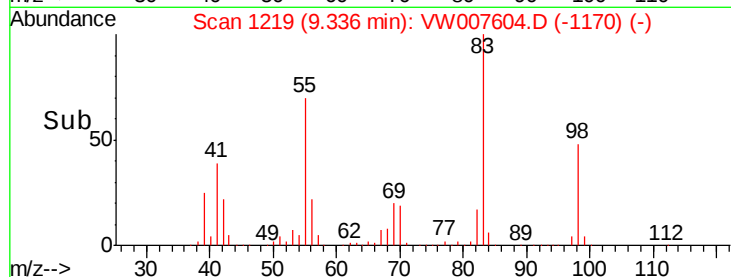
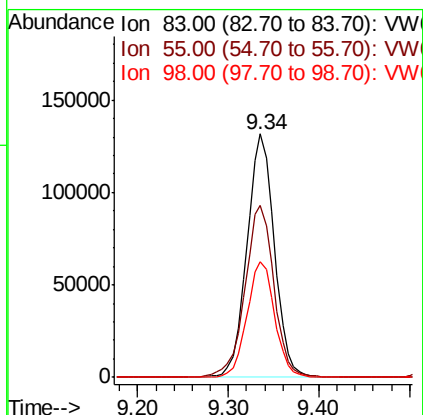
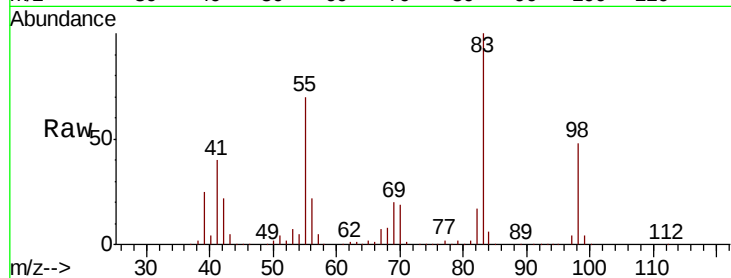




#39
Methvlcvclohexane
Concen: 393.236 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

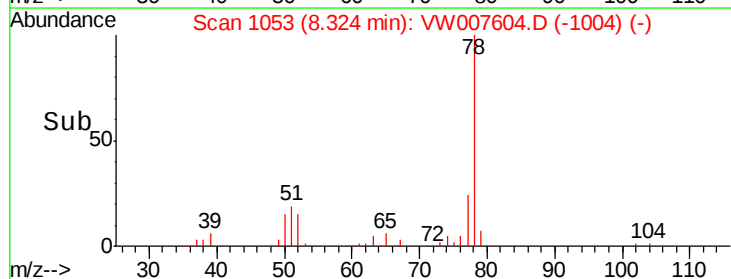
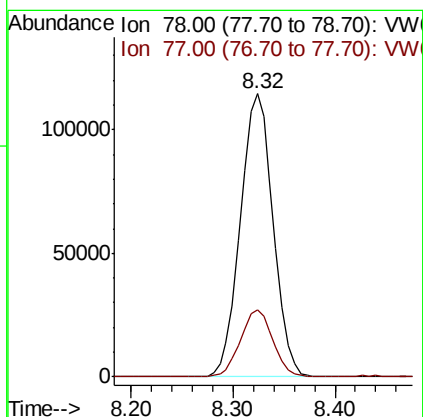
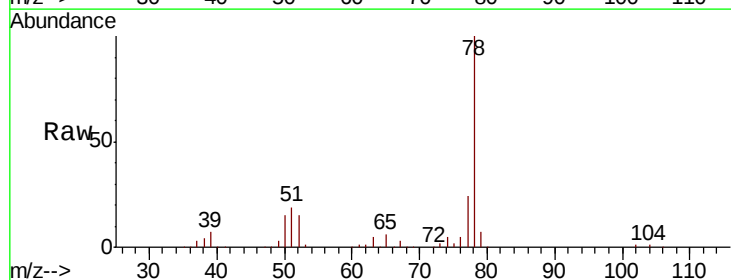
Instrument :
MSVOA_W
ClientSampleId :

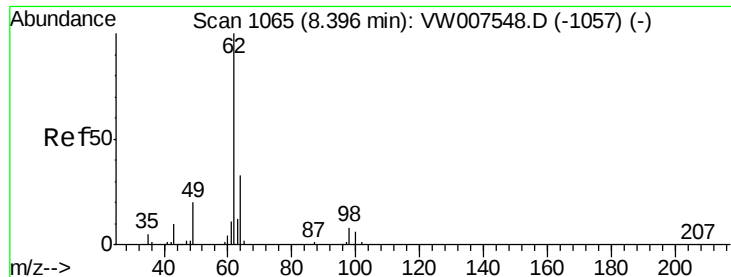
Tot Ion: 83 Resp: 275099
Ion Ratio Lower Upper
83 100
55 70.3 62.8 94.2
98 47.7 42.2 63.2



#40
Benzene
Concen: 158.972 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

Tgt Ion: 78 Resp: 254883
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2





#42

1,2-Dichloroethane

Concen: 1.189 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

Instrument :

MSVOA_W

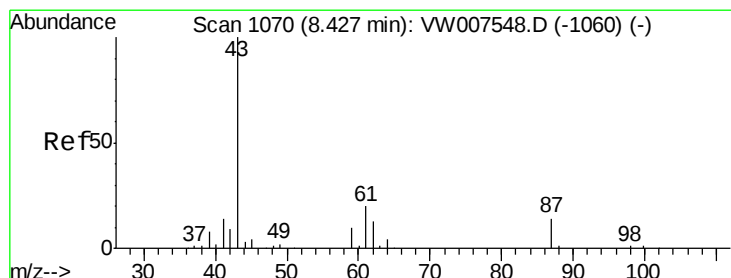
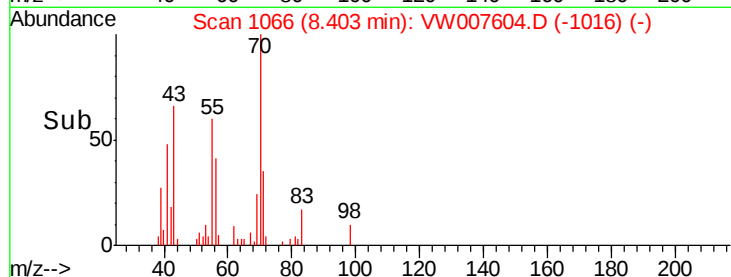
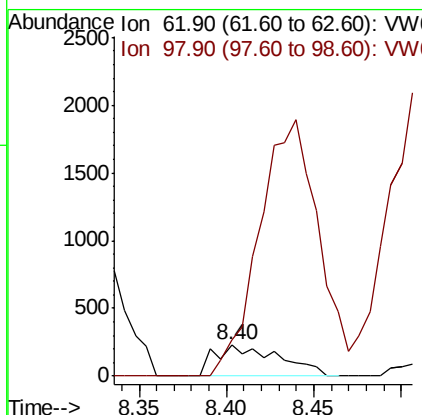
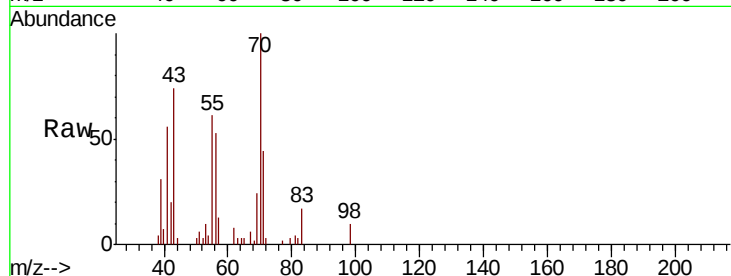
ClientSampleId :

Tot Ion: 62 Resp: 599

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.6



#43

Isopropyl Acetate

Concen: 25.788 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

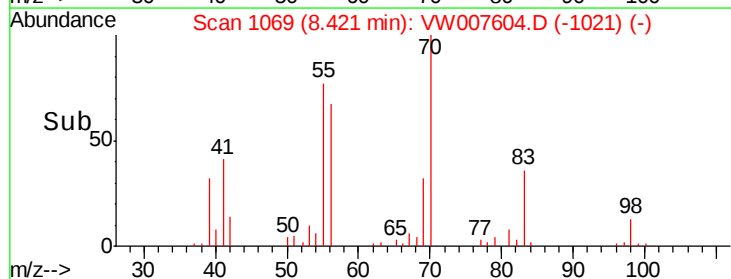
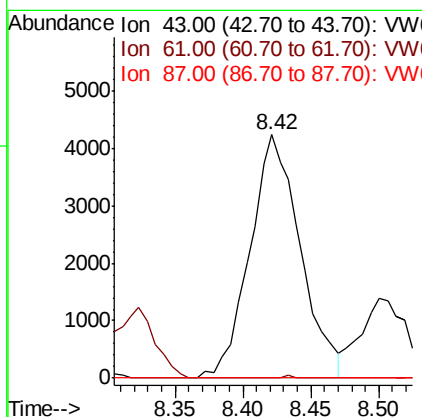
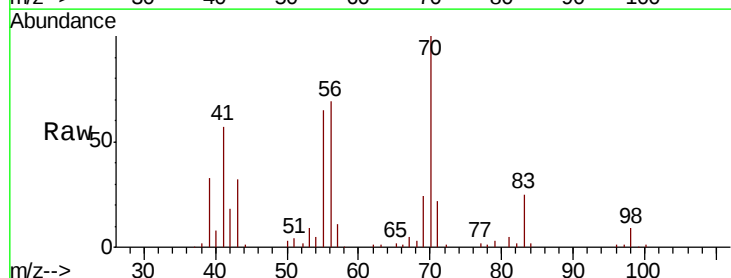
Tgt Ion: 43 Resp: 10946

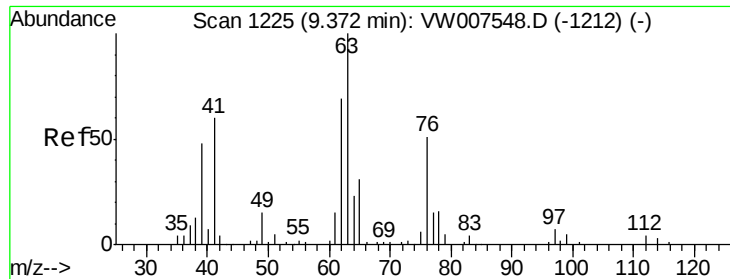
Ion Ratio Lower Upper

43 100

61 0.0 25.3 37.9#

87 0.0 11.8 17.8#

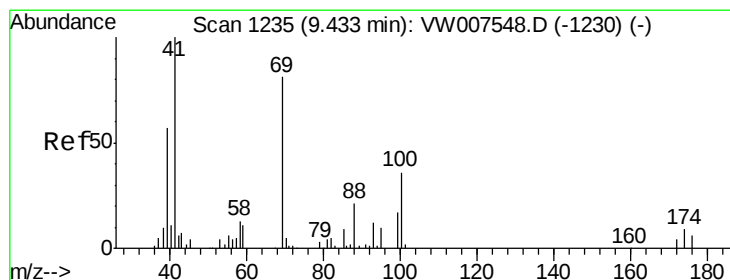
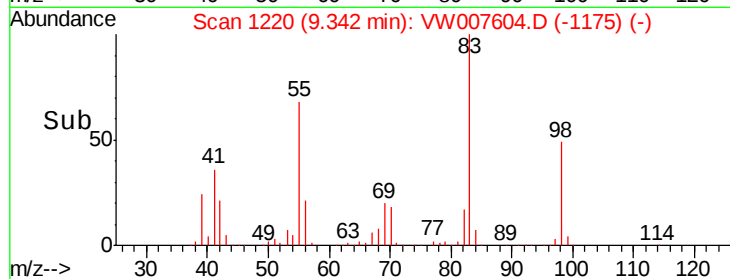
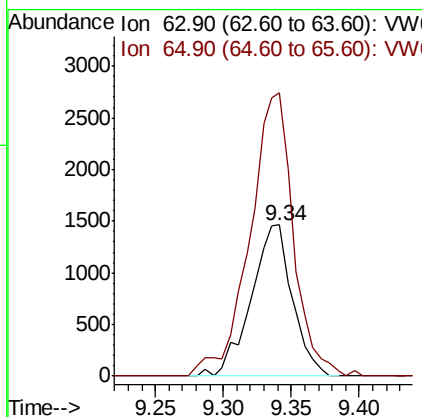
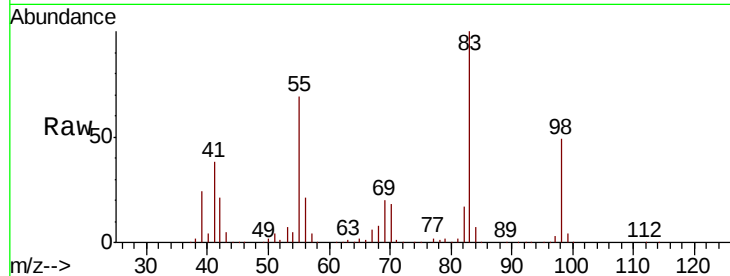




#45
 1,2-Dichloropropane
 Concen: 8.374 ug/l
 RT: 9.34 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: VW007604.D
 Acq: 16 Dec 2018 02:31

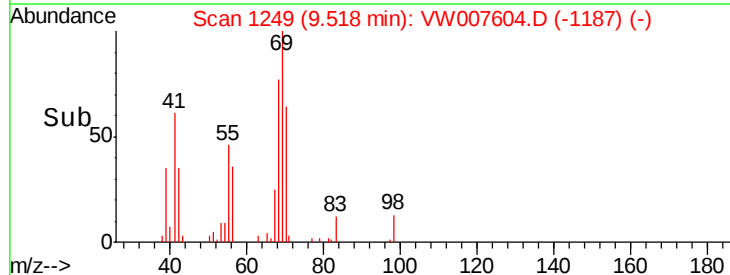
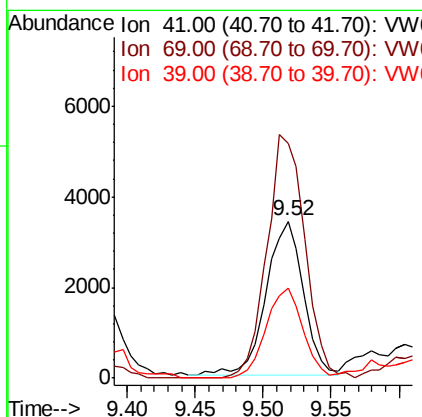
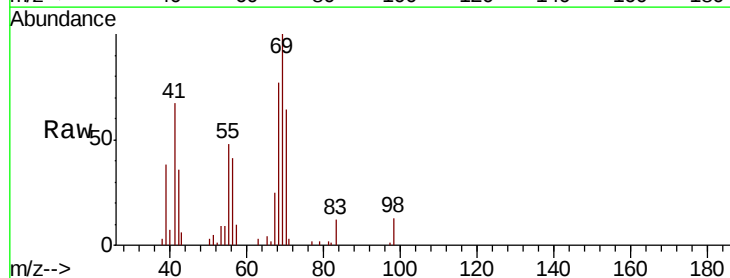
Instrument :
 MSVOA_W
 ClientSampled :

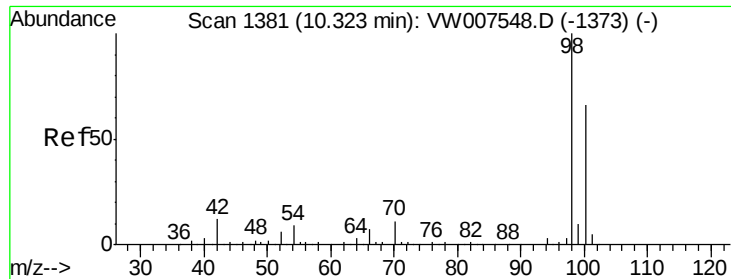
Tot Ion: 63 Resp: 3107
 Ion Ratio Lower Upper
 63 100
 65 187.4 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 30.033 ug/l
 RT: 9.52 min Scan# 1249
 Delta R.T. 0.08 min
 Lab File: VW007604.D
 Acq: 16 Dec 2018 02:31

Tgt Ion: 41 Resp: 6547
 Ion Ratio Lower Upper
 41 100
 69 160.1 69.8 104.8#
 39 58.0 50.9 76.3

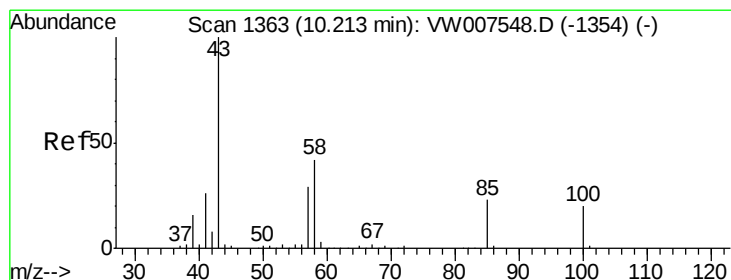
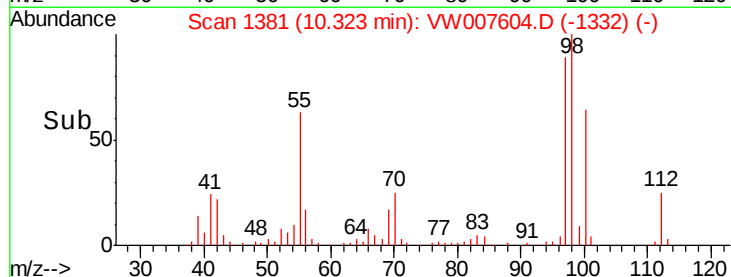
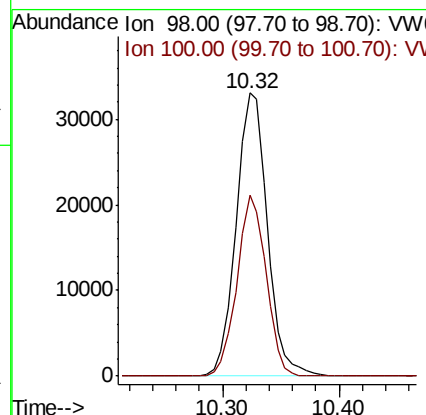
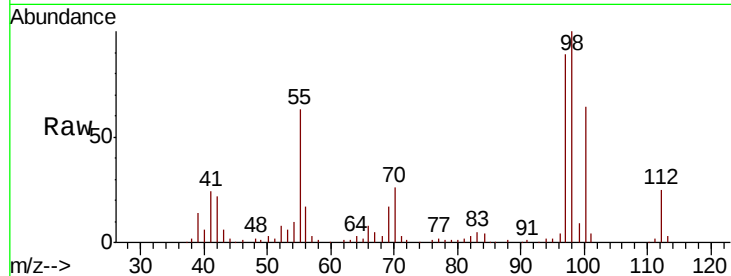




#50
Toluene-d8
Concen: 42.921 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

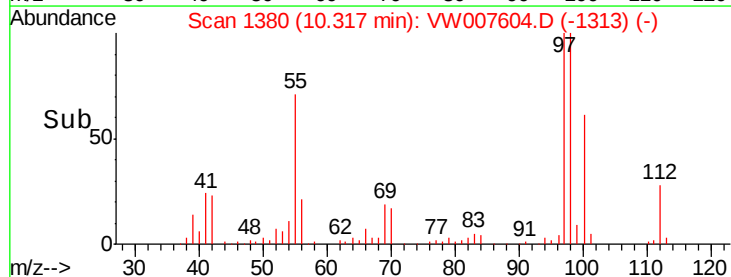
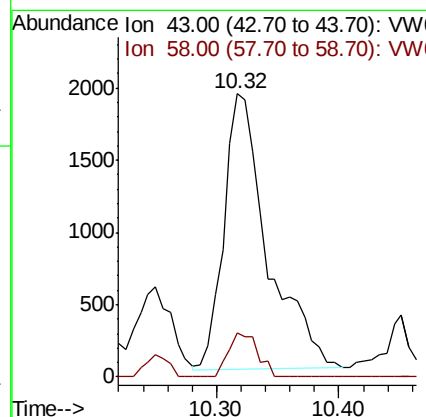
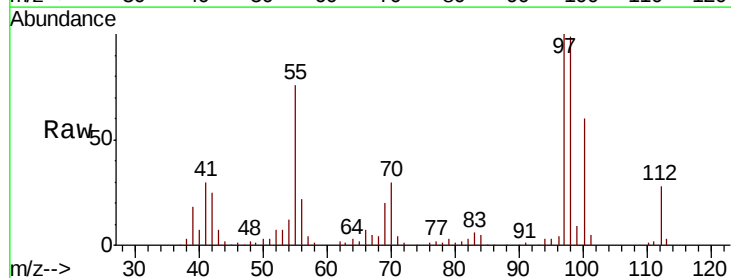
Instrument :
MSVOA_W
ClientSampleId :

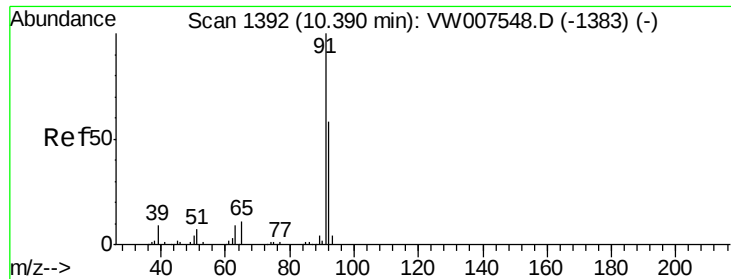
Tot Ion: 98 Resp: 61696
Ion Ratio Lower Upper
98 100
100 59.5 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 23.590 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. 0.11 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

Tgt Ion: 43 Resp: 4731
Ion Ratio Lower Upper
43 100
58 10.6 33.1 49.7#





#52

Toluene

Concen: 8.941 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

Instrument :

MSVOA_W

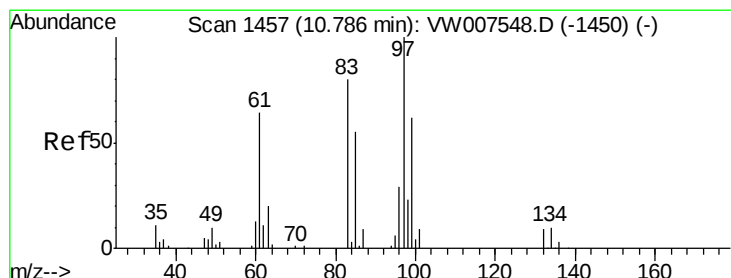
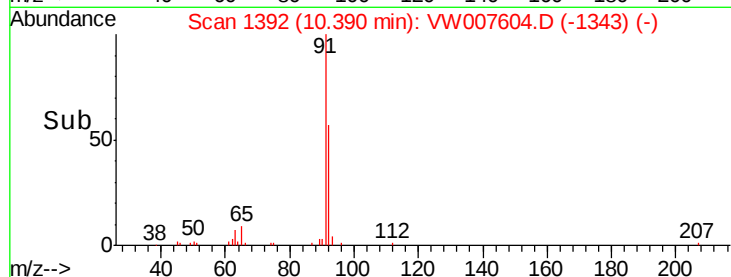
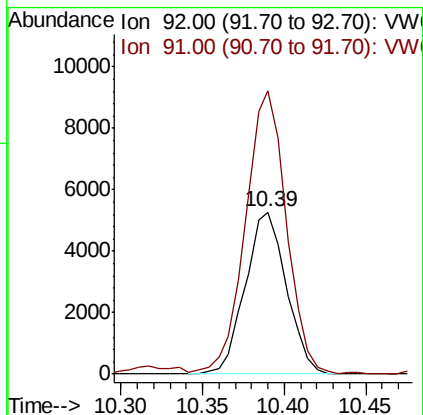
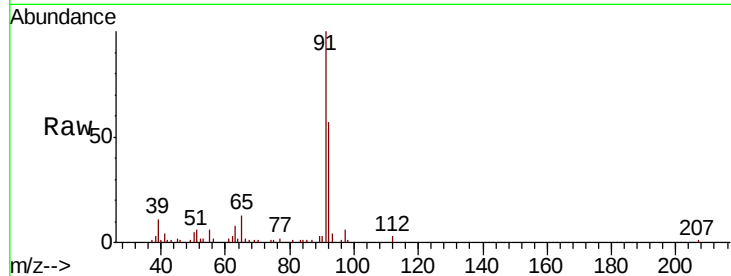
ClientSampleId :

Tot Ion: 92 Resp: 9277

Ion Ratio Lower Upper

92 100

91 173.6 136.2 204.2



#55

1,1,2-Trichloroethane

Concen: 71.561 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.03 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

Tgt Ion: 97 Resp: 20521

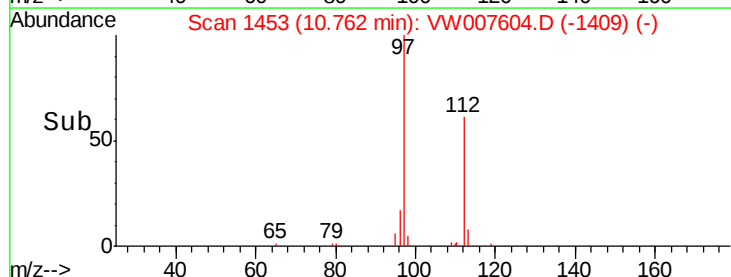
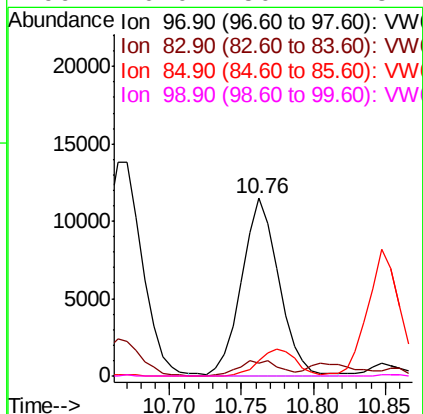
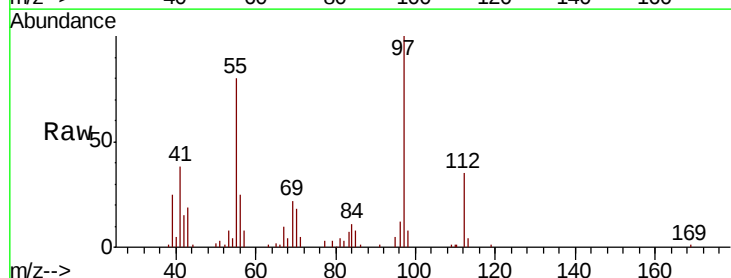
Ion Ratio Lower Upper

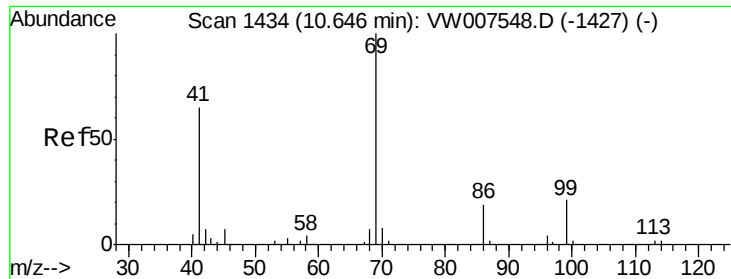
97 100

83 7.5 62.1 93.1#

85 8.5 44.2 66.4#

99 0.0 50.2 75.4#

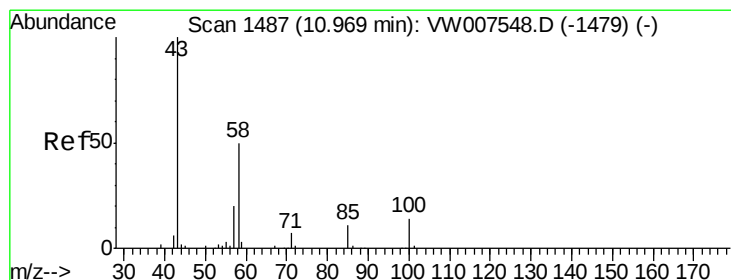
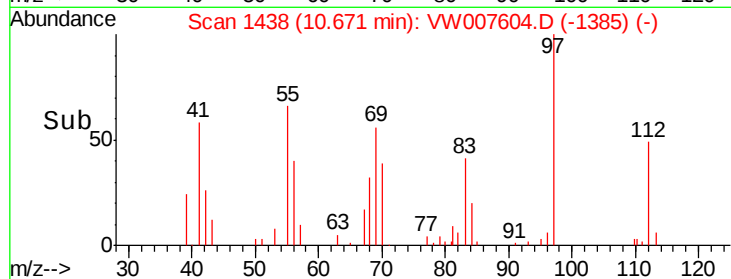
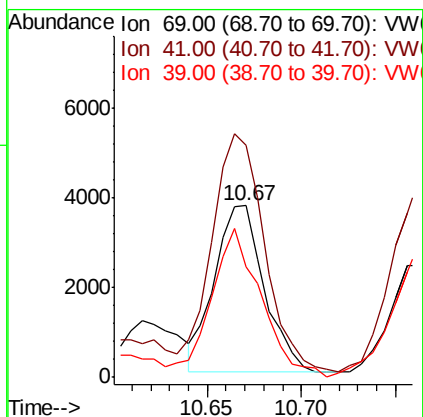
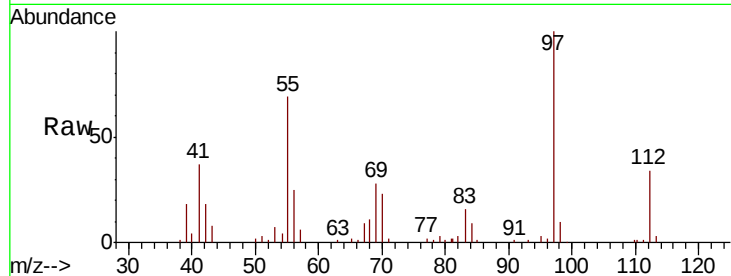




#56
Ethyl methacrylate
Concen: 19.760 ug/l
RT: 10.67 min Scan# 1438
Delta R.T. 0.02 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

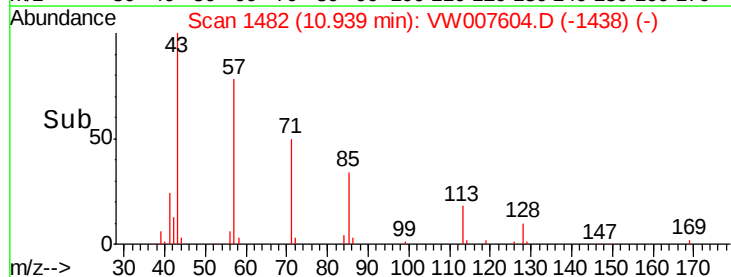
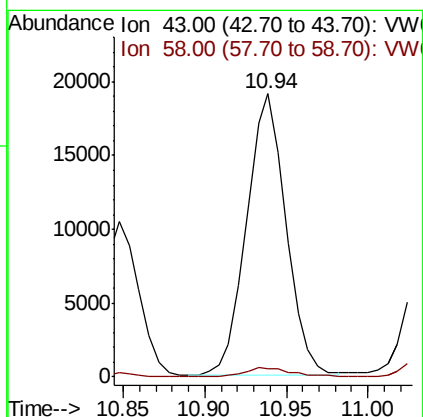
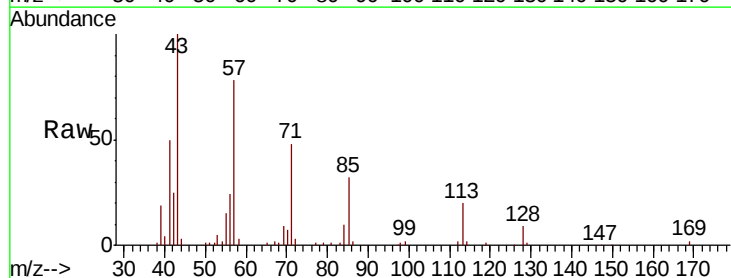
Instrument :
MSVOA_W
ClientSampled :

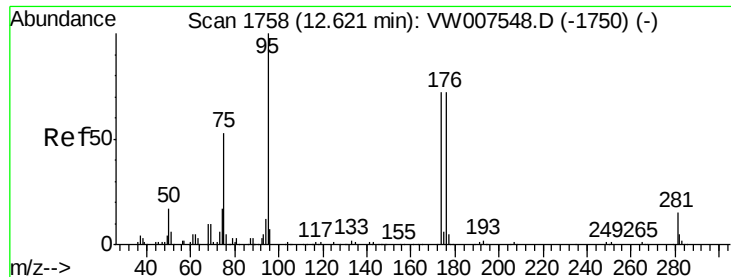
Tot Ion: 69 Resp: 6811
Ion Ratio Lower Upper
69 100
41 151.4 51.0 76.6#
39 90.0 30.8 46.2#



#59
2-Hexanone
Concen: 240.754 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

Tgt Ion: 43 Resp: 32196
Ion Ratio Lower Upper
43 100
58 3.8 27.1 81.3#

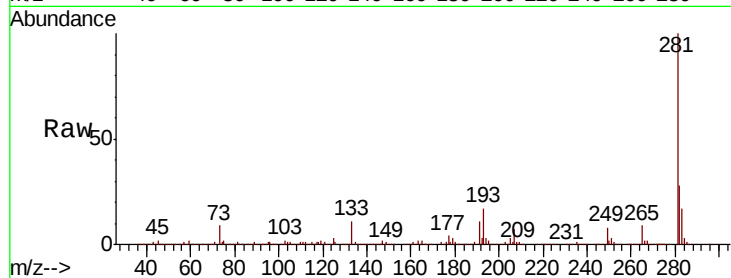




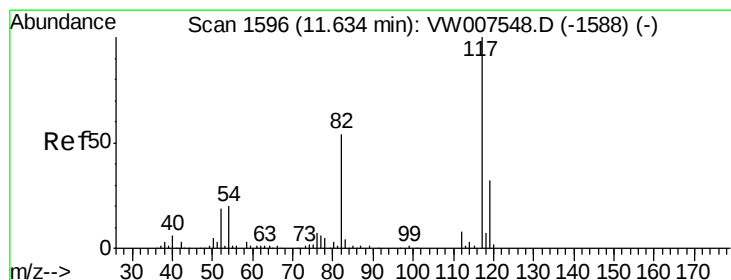
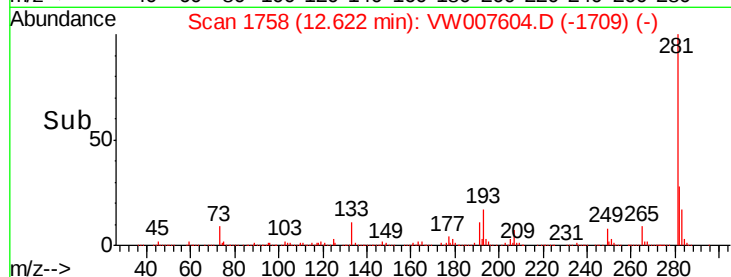
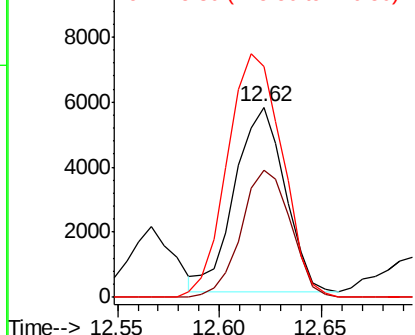
#62
4-Bromofluorobenzene
Concen: 18.223 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 95 Resp: 9631
Ion Ratio Lower Upper
95 100
174 68.4 0.0 147.2
176 145.6 0.0 138.8#

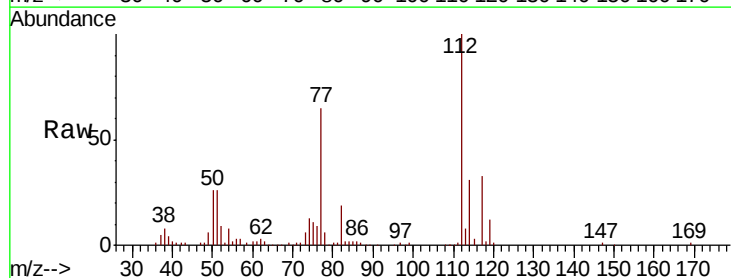


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

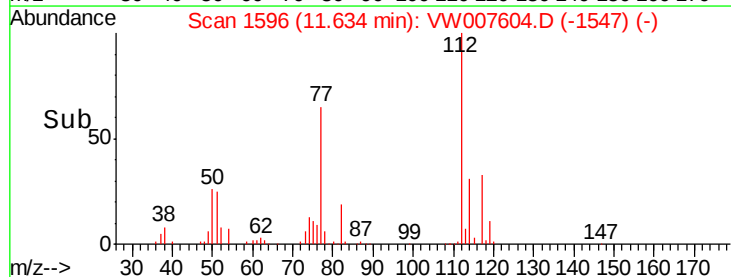
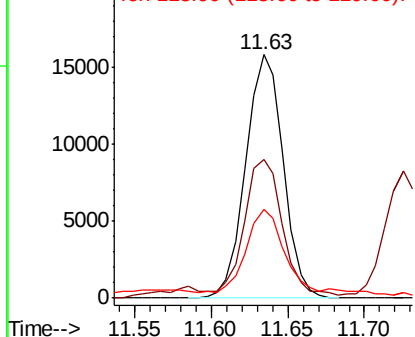


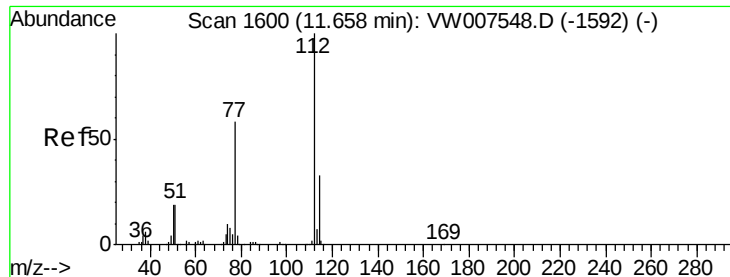
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

Tgt Ion: 117 Resp: 26878
Ion Ratio Lower Upper
117 100
82 55.2 42.3 63.5
119 33.8 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

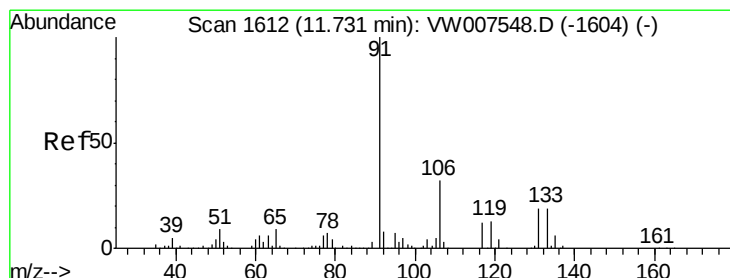
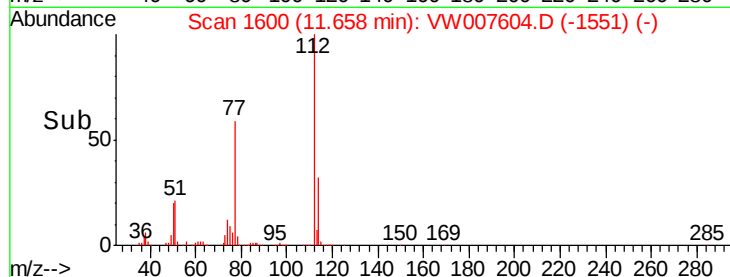
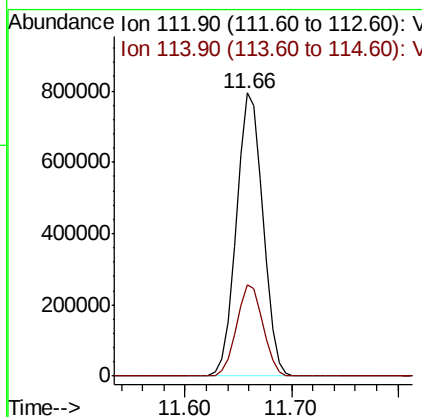
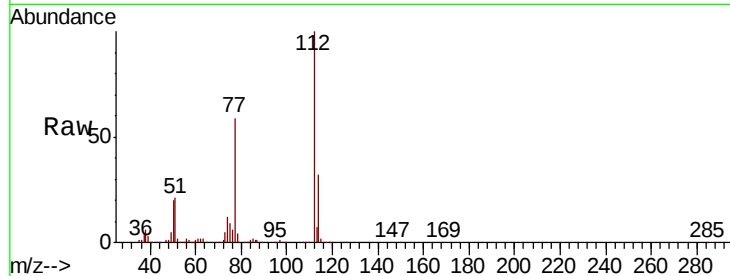




#65
Chlorobenzene
Concen: 2481.367 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

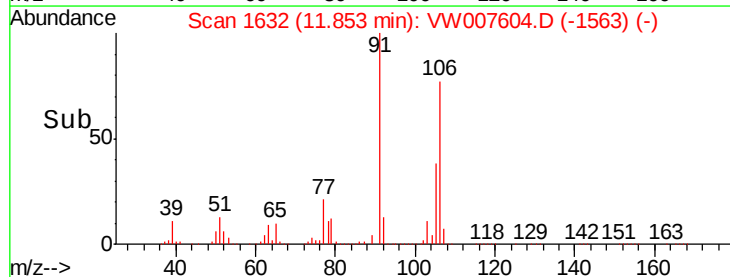
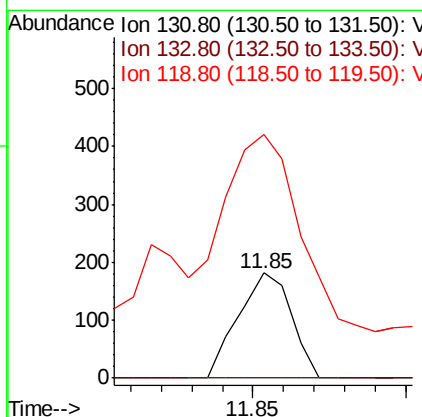
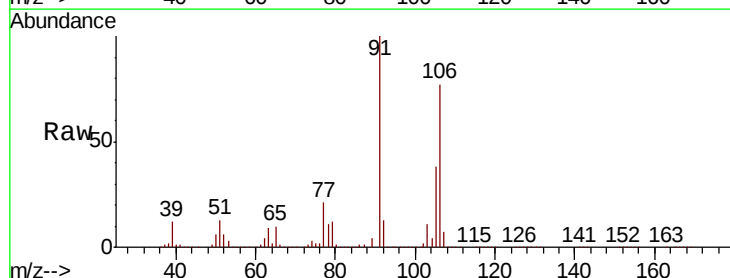
Instrument :
MSVOA_W
ClientSampleId :

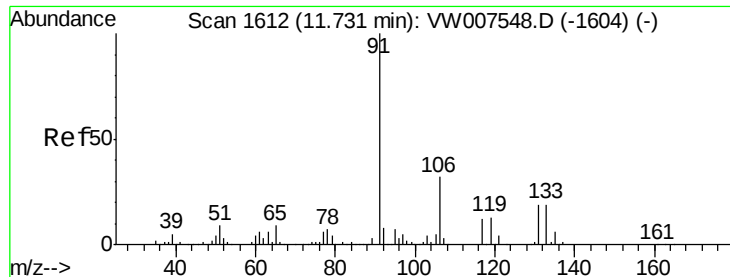
Tot Ion:112 Resp: 1390119
Ion Ratio Lower Upper
112 100
114 32.2 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 1.110 ug/l
RT: 11.85 min Scan# 1632
Delta R.T. 0.12 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

Tgt Ion:131 Resp: 219
Ion Ratio Lower Upper
131 100
133 0.0 47.1 141.4#
119 266.2 31.3 93.9#

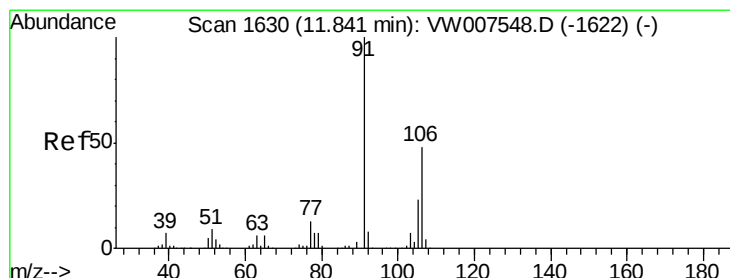
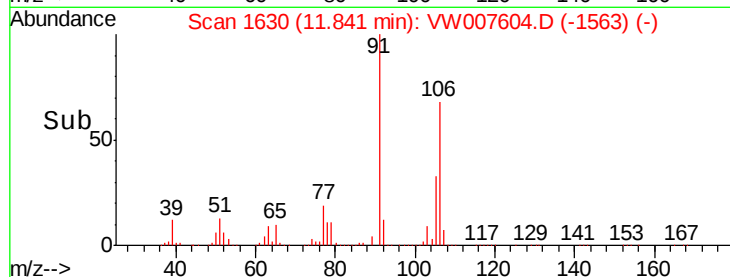
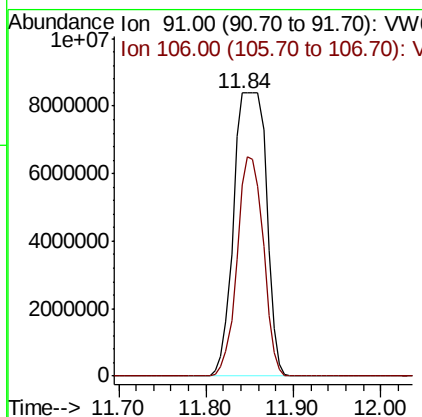
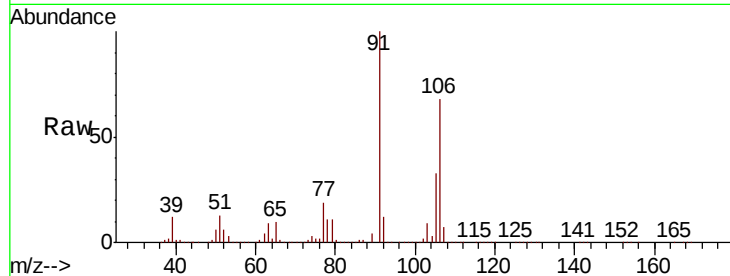




#67
Ethyl Benzene
Concen: 22623.233 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.11 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

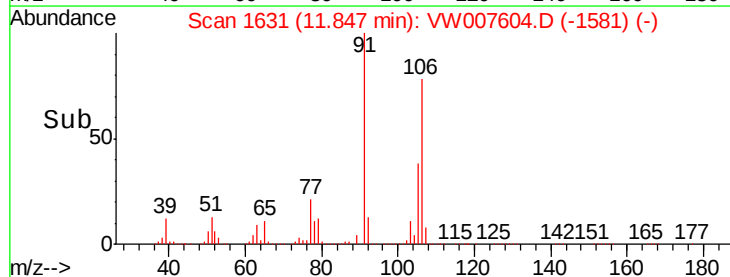
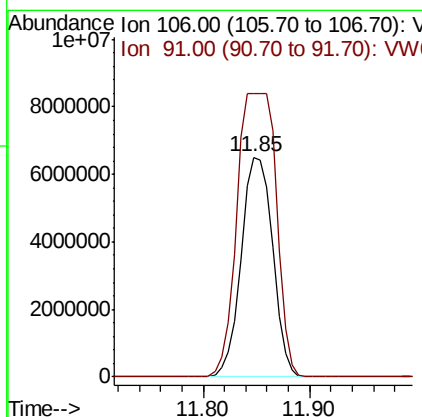
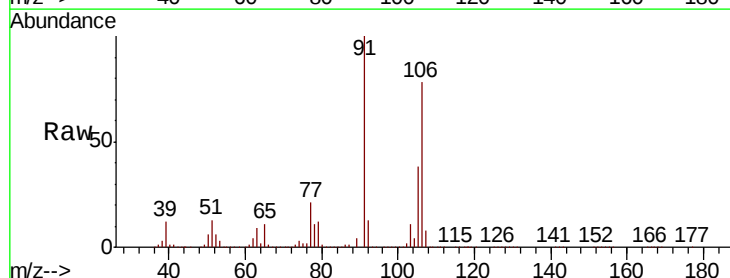
Instrument :
MSVOA_W
ClientSampled :

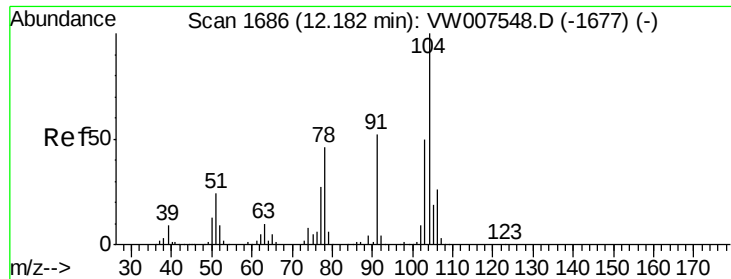
Tot Ion: 91 Resp:21790221
Ion Ratio Lower Upper
91 100
106 67.7 21.8 32.8#



#68
m/p-Xylenes
Concen: 36141.093 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

Tgt Ion:106 Resp:13532744
Ion Ratio Lower Upper
106 100
91 161.0 165.3 247.9#

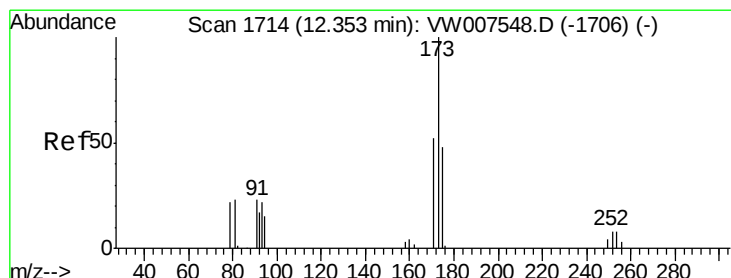
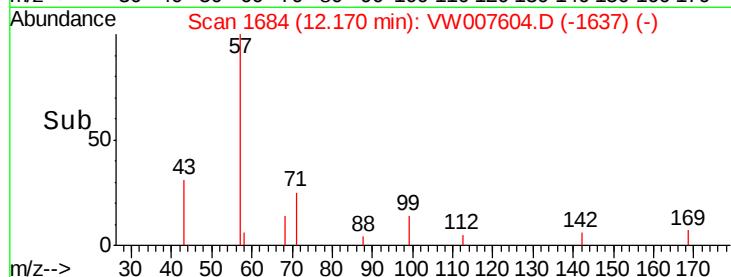
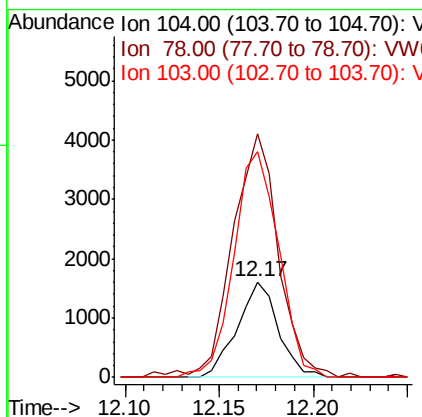
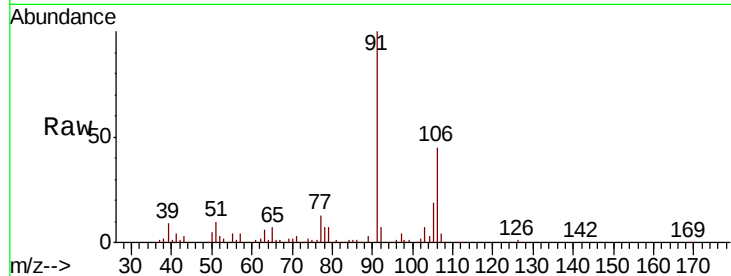




#70
Stvrene
Concen: 4.302 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

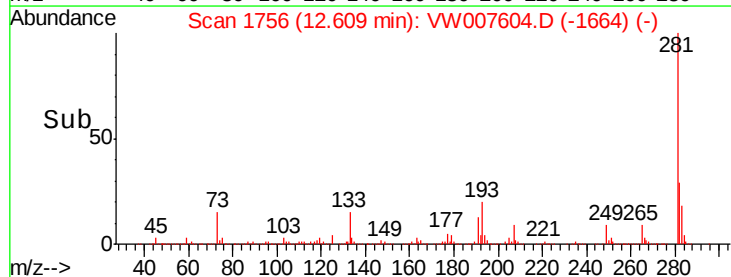
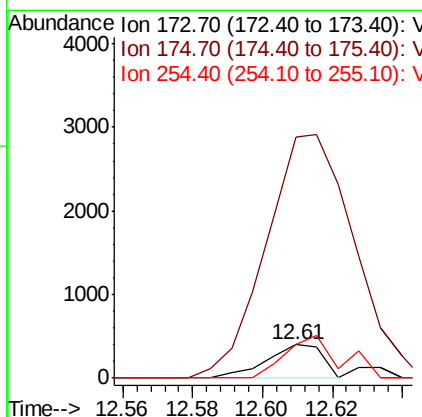
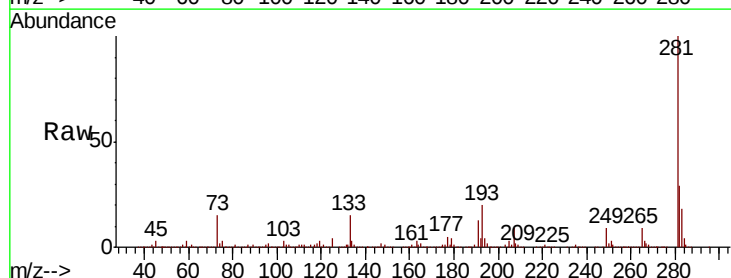
Instrument :
MSVOA_W
ClientSampled :

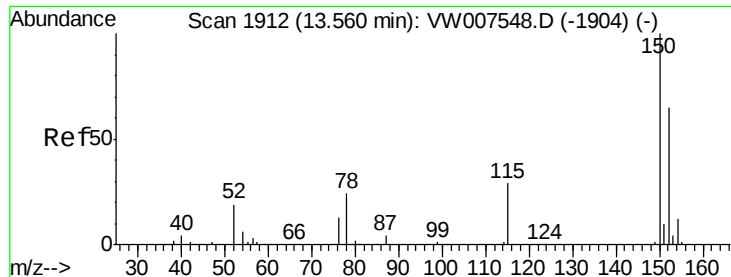
Tot Ion:104 Resp: 2430
Ion Ratio Lower Upper
104 100
78 286.3 41.8 62.8#
103 258.8 46.6 69.8#



#71
Bromoform
Concen: 4.387 ug/l
RT: 12.61 min Scan# 1756
Delta R.T. 0.26 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

Tgt Ion:173 Resp: 443
Ion Ratio Lower Upper
173 100
175 957.8 23.6 70.8#
254 99.3 0.0 0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

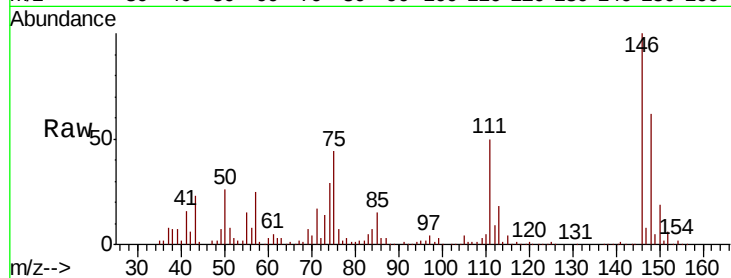
Tot Ion:152 Resp: 6616

Ion Ratio Lower Upper

152 100

115 0.0 31.4 94.2#

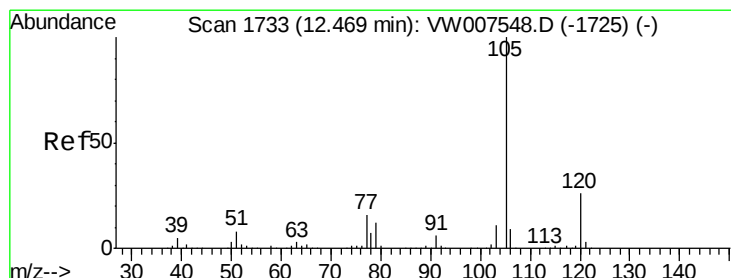
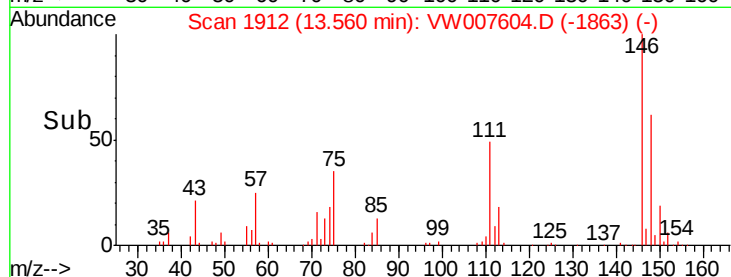
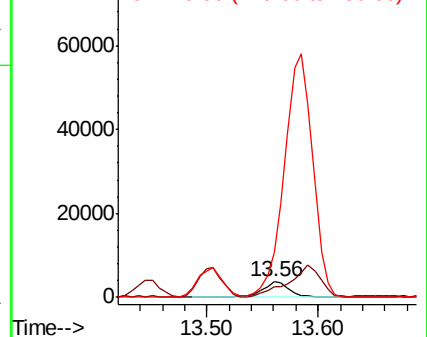
150 0.0 0.0 358.4



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: 266.189 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007604.D

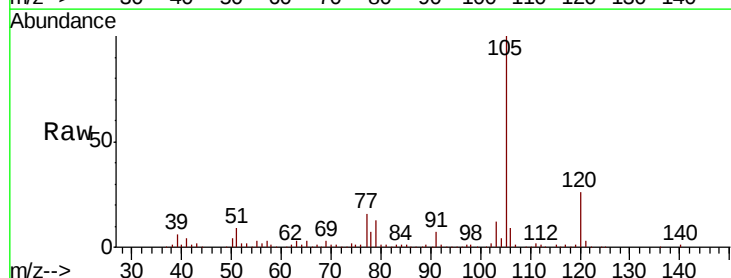
Acq: 16 Dec 2018 02:31

Tgt Ion:105 Resp: 134943

Ion Ratio Lower Upper

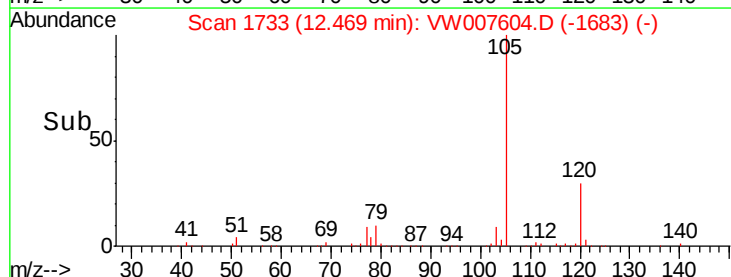
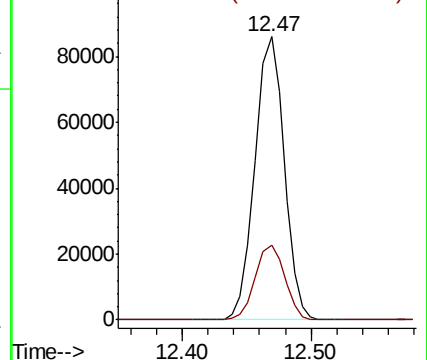
105 100

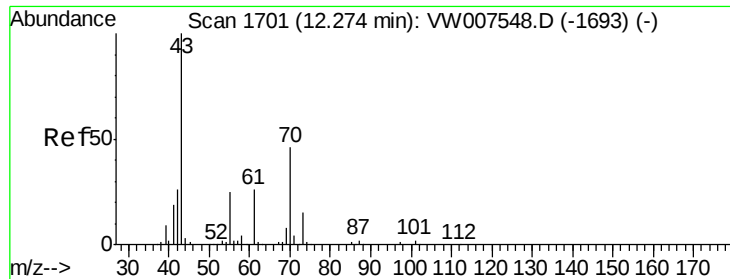
120 26.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 178.428 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 16439

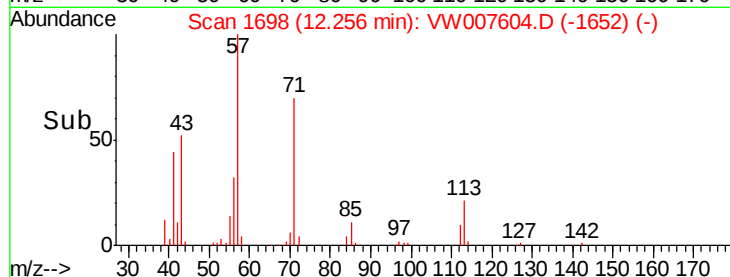
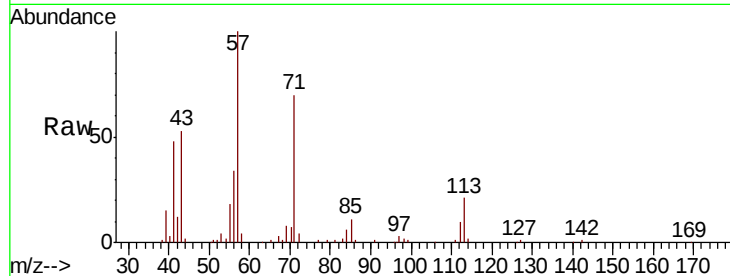
Ion Ratio Lower Upper

43 100

70 21.3 36.5 54.7#

55 41.9 20.1 30.1#

61 0.0 19.3 28.9#

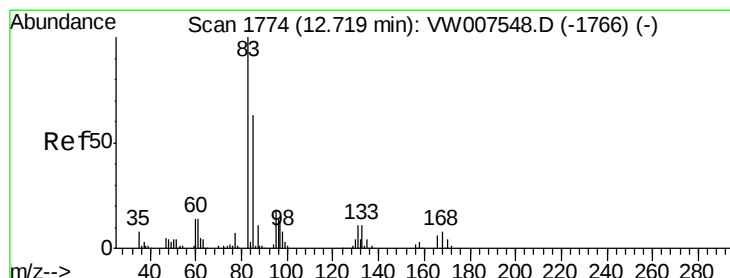
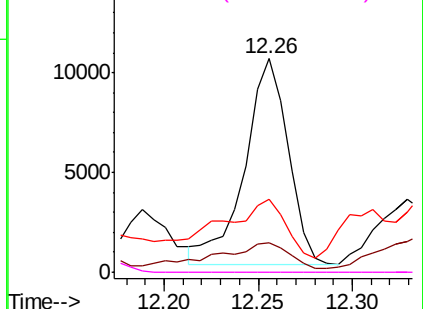


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 3.742 ug/l

RT: 12.65 min Scan# 1763

Delta R.T. -0.07 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

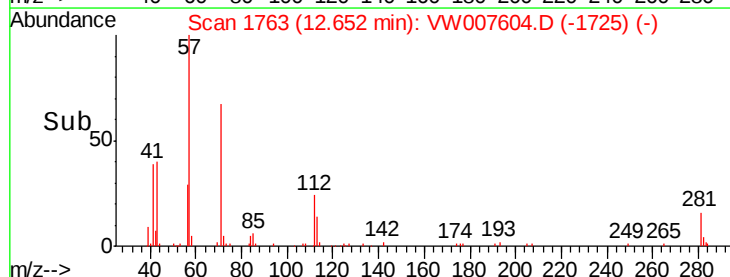
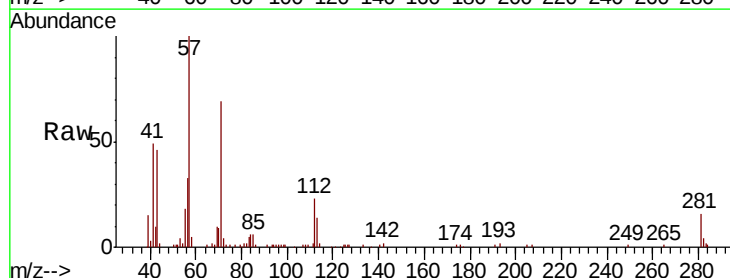
Tgt Ion: 83 Resp: 281

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.8#

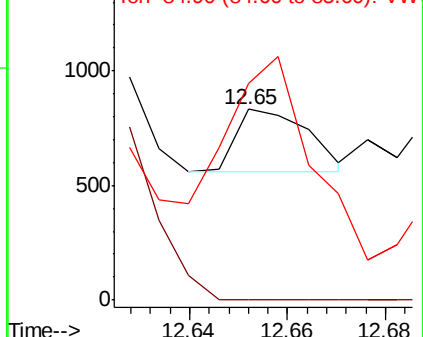
85 370.1 30.0 90.0#

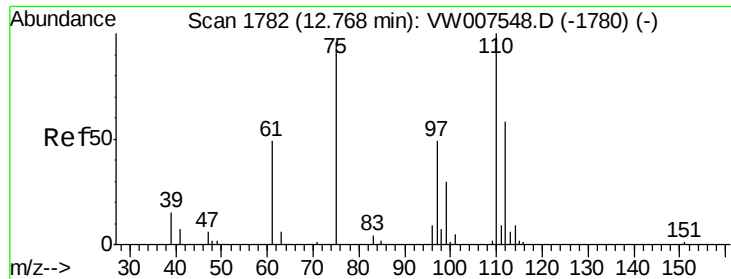


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

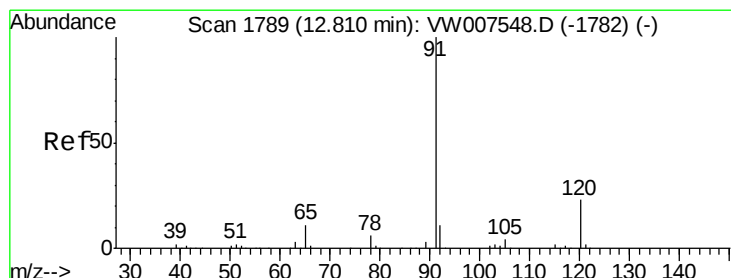
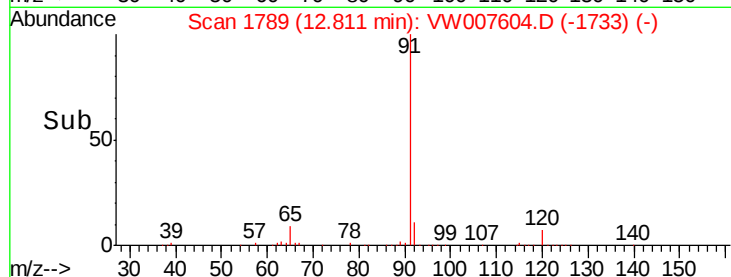
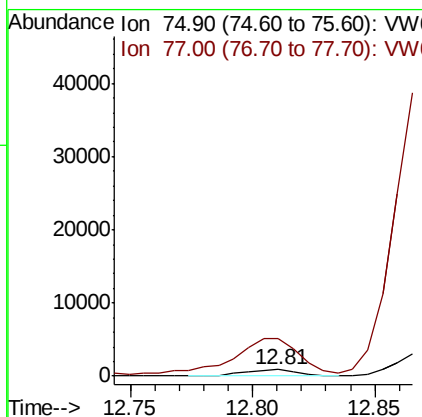
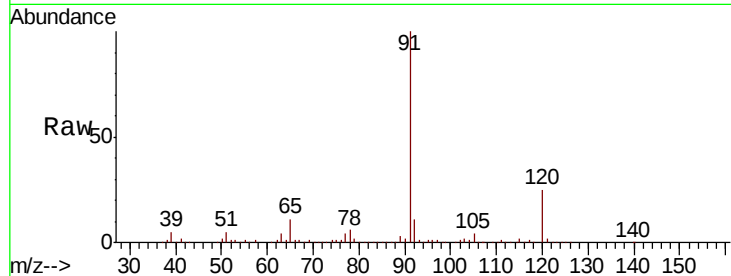




#76
 1,2,3-Trichloropropane
 Concen: 25.389 ug/l
 RT: 12.81 min Scan# 1789
 Delta R.T. 0.04 min
 Lab File: VW007604.D
 Acq: 16 Dec 2018 02:31

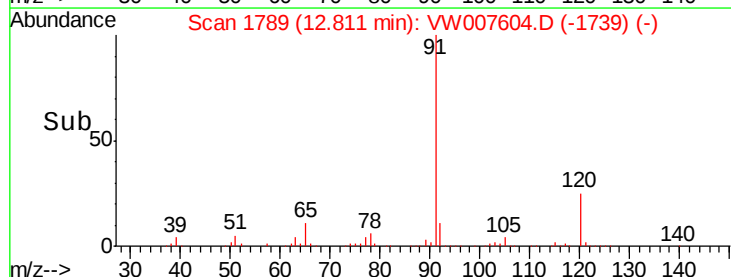
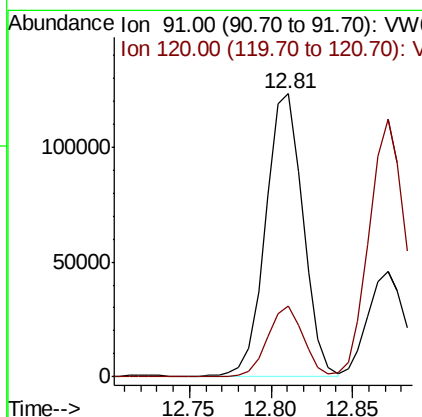
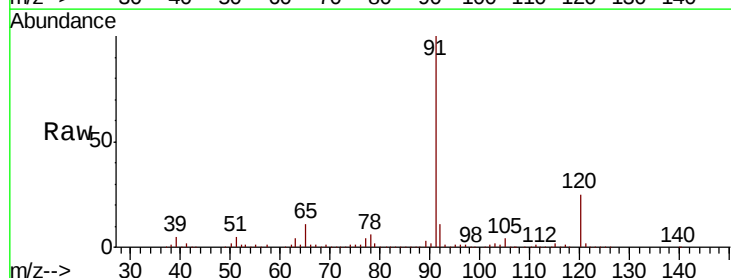
Instrument :
 MSVOA_W
 ClientSampleId :

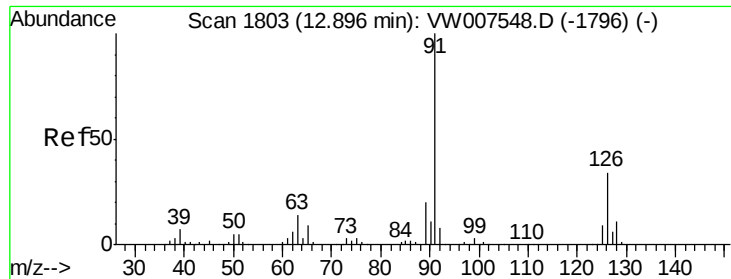
Tot Ion: 75 Resp: 1385
 Ion Ratio Lower Upper
 75 100
 77 658.9 166.9 500.8#



#78
 n-propylbenzene
 Concen: 340.426 ug/l
 RT: 12.81 min Scan# 1789
 Delta R.T. 0.01 min
 Lab File: VW007604.D
 Acq: 16 Dec 2018 02:31

Tgt Ion: 91 Resp: 194219
 Ion Ratio Lower Upper
 91 100
 120 23.9 11.9 35.5





#79

2-Chlorotoluene

Concen: 211.047 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. -0.02 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

Instrument :

MSVOA_W

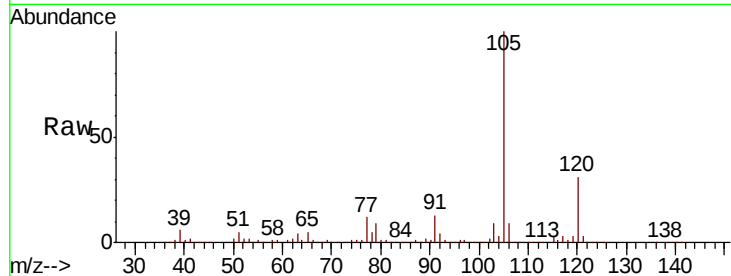
ClientSampleId :

Tot Ion: 91 Resp: 72855

Ion Ratio Lower Upper

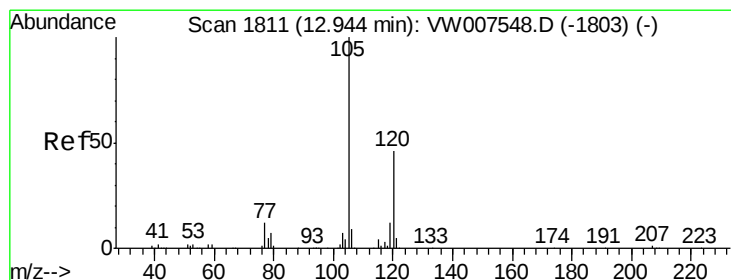
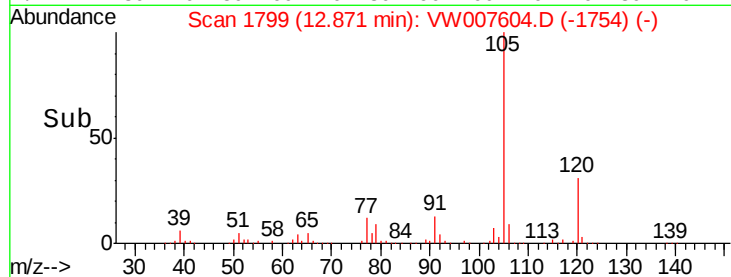
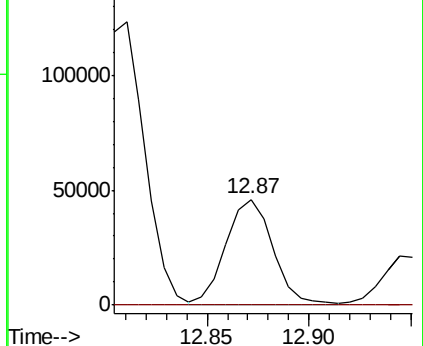
91 100

126 0.0 15.9 47.6#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 704.147 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW007604.D

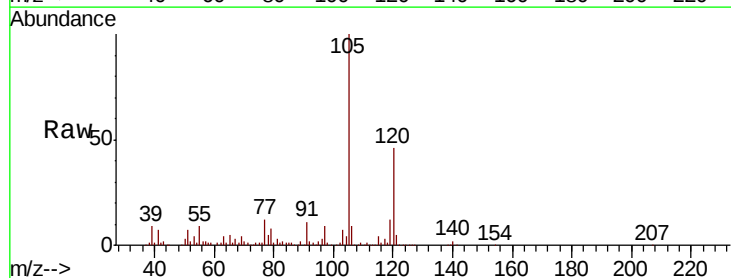
Acq: 16 Dec 2018 02:31

Tgt Ion:105 Resp: 299937

Ion Ratio Lower Upper

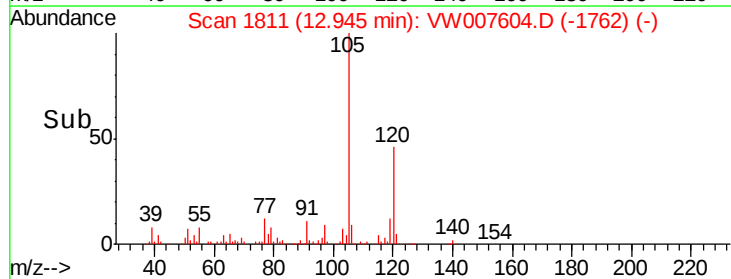
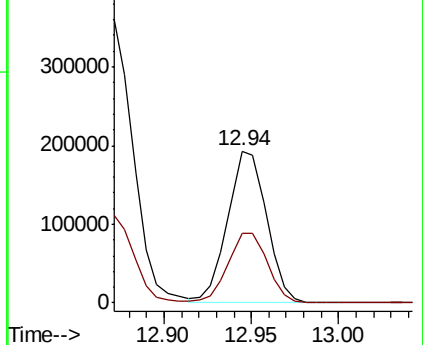
105 100

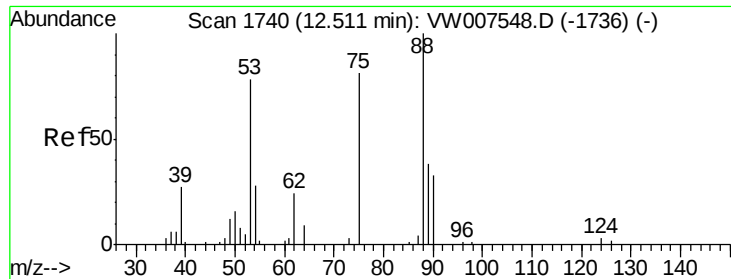
120 47.0 23.8 71.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 71.189 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

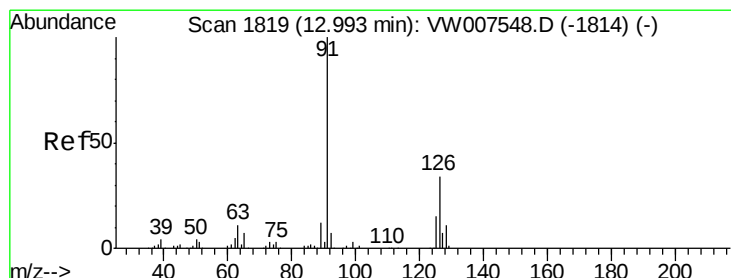
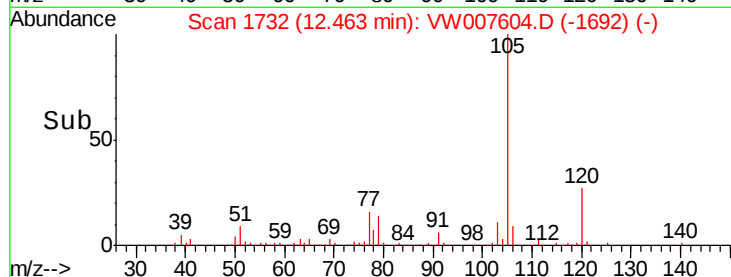
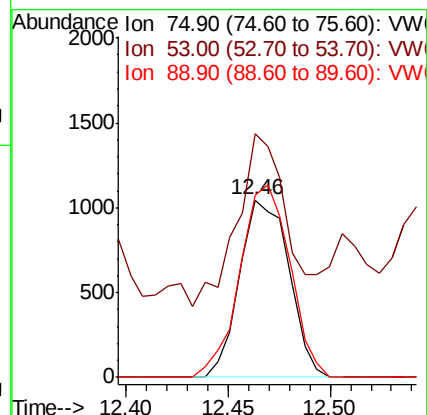
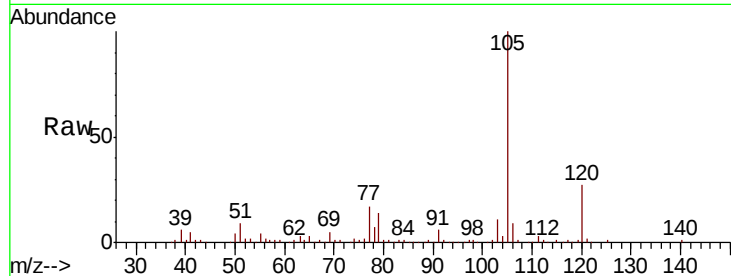
Tot Ion: 75 Resp: 1758

Ion Ratio Lower Upper

75 100

53 96.8 84.9 127.3

89 110.2 40.3 60.5#



#82

4-Chlorotoluene

Concen: 94.964 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.05 min

Lab File: VW007604.D

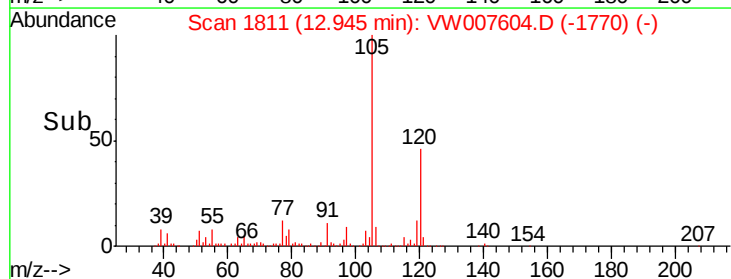
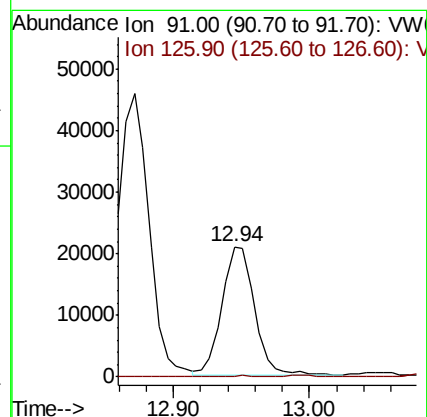
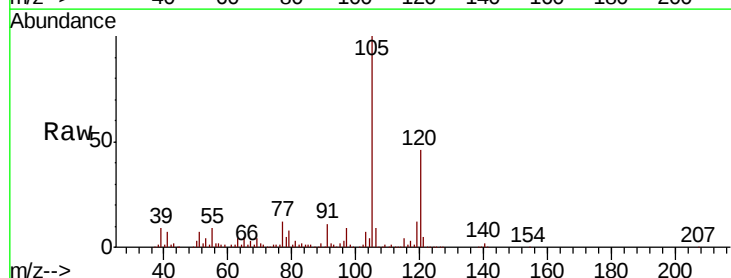
Acq: 16 Dec 2018 02:31

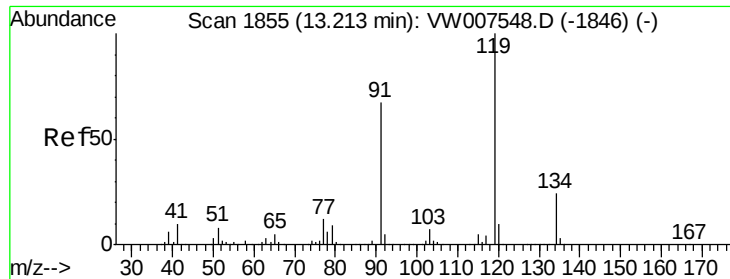
Tgt Ion: 91 Resp: 34556

Ion Ratio Lower Upper

91 100

126 1.1 16.0 48.0#

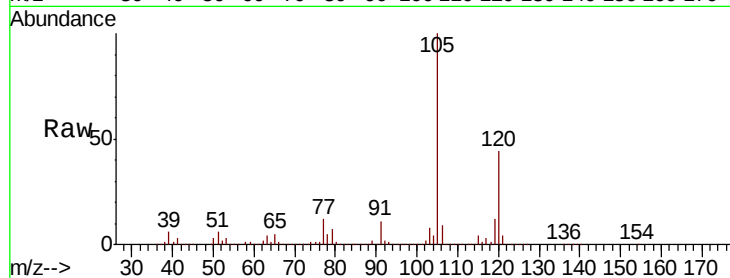




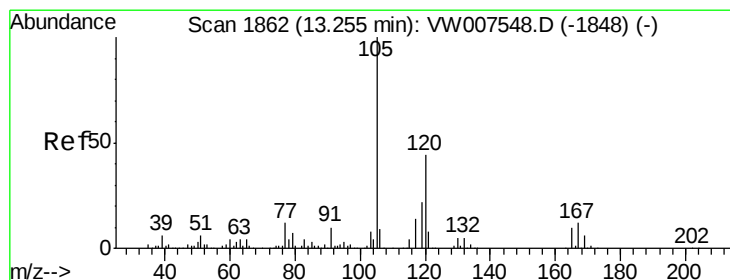
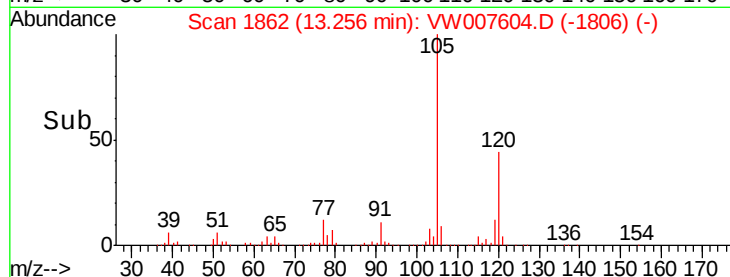
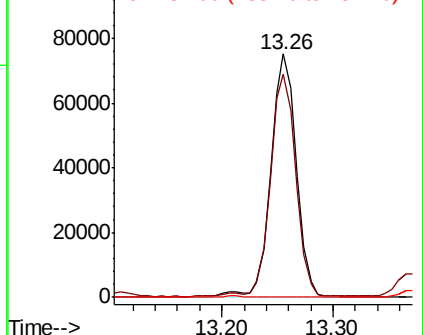
#83
tert-Butylbenzene
Concen: 318.786 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.04 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 119649
Ion Ratio Lower Upper
119 100
91 91.3 33.1 99.2
134 0.0 12.5 37.5#

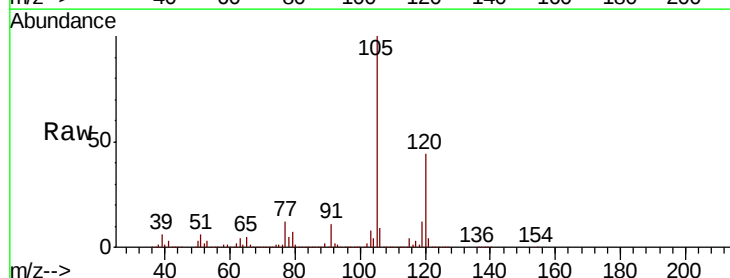


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

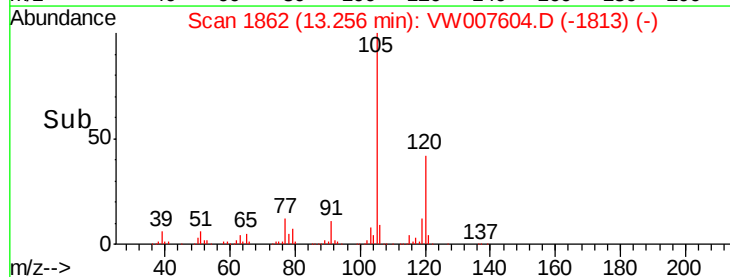
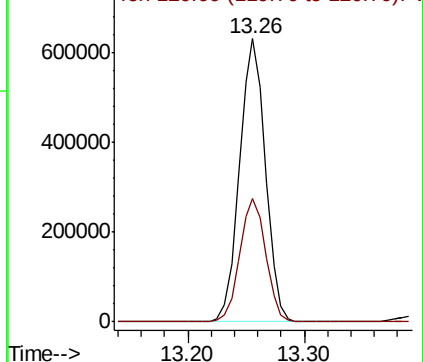


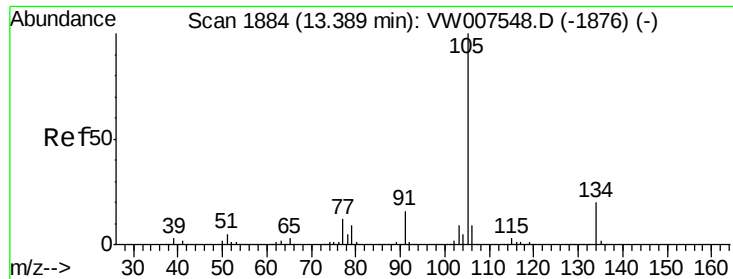
#84
1,2,4-Trimethylbenzene
Concen: 2222.257 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

Tgt Ion:105 Resp: 974087
Ion Ratio Lower Upper
105 100
120 44.1 22.6 67.7



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

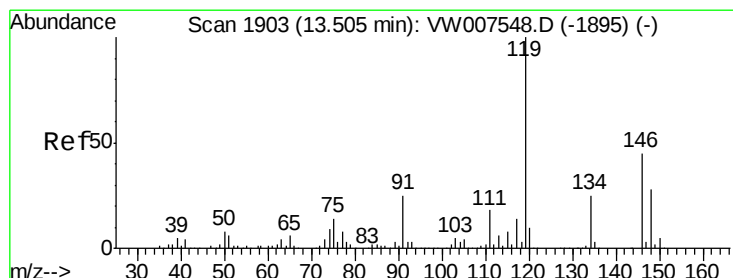
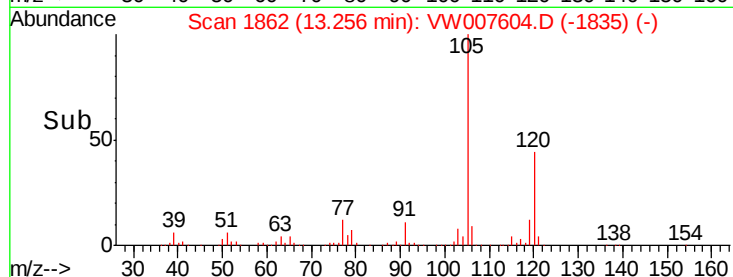
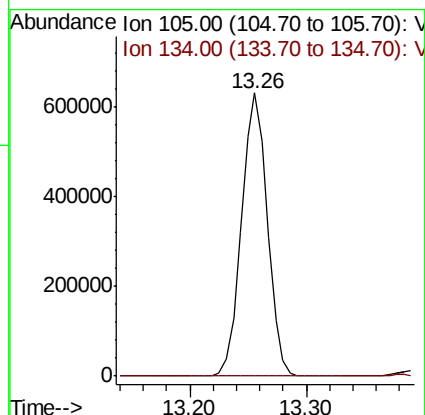
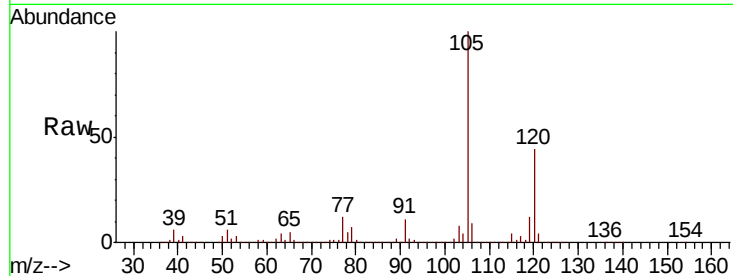




#85
 sec-Butylbenzene
 Concen: 1901.144 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: VW007604.D
 Acq: 16 Dec 2018 02:31

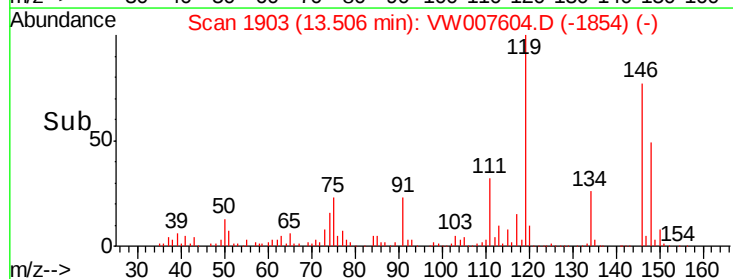
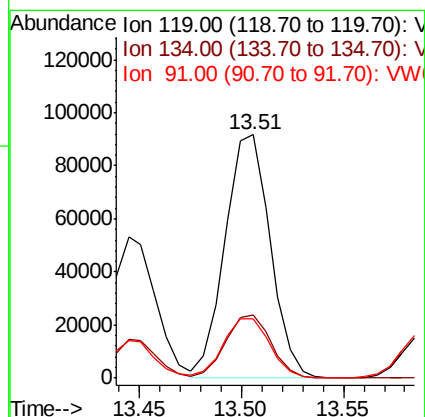
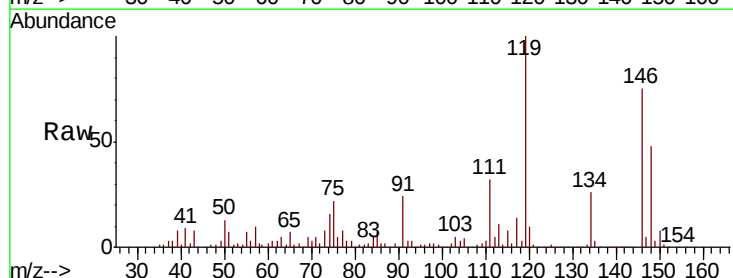
Instrument :
 MSVOA_W
 ClientSampleId :

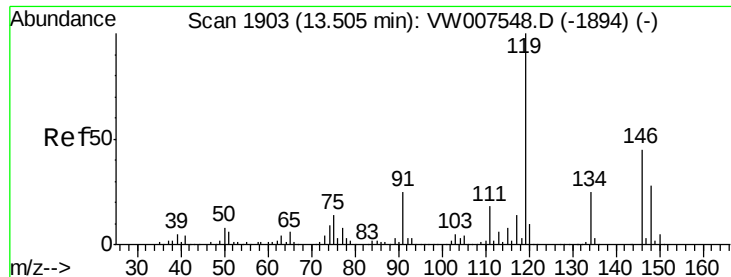
Tot Ion:105 Resp: 974087
 Ion Ratio Lower Upper
 105 100
 134 0.0 11.1 33.3#



#86
 p-Isopropyltoluene
 Concen: 306.000 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007604.D
 Acq: 16 Dec 2018 02:31

Tgt Ion:119 Resp: 140851
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.9 38.7
 91 24.7 11.9 35.9

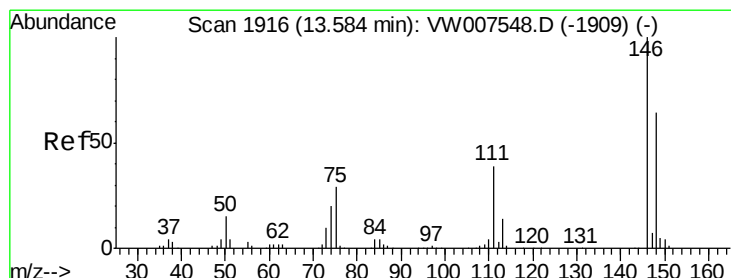
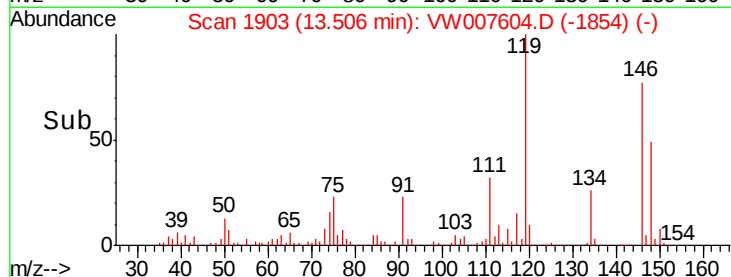
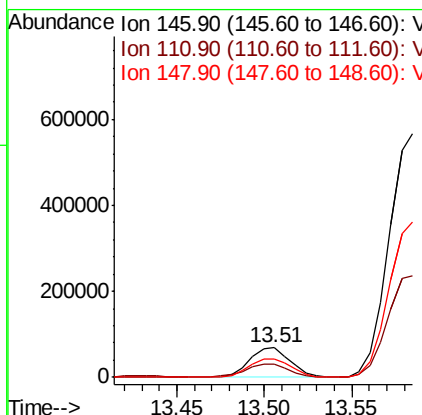
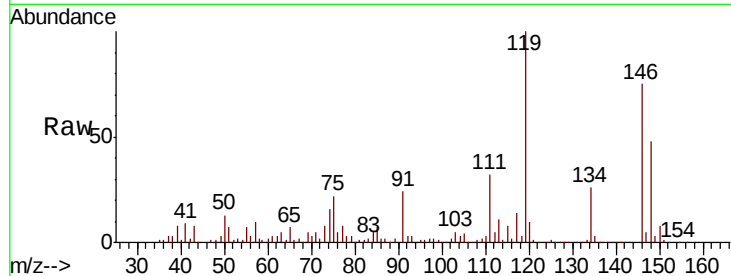




#87
 1,3-Dichlorobenzene
 Concen: 498.045 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007604.D
 Acq: 16 Dec 2018 02:31

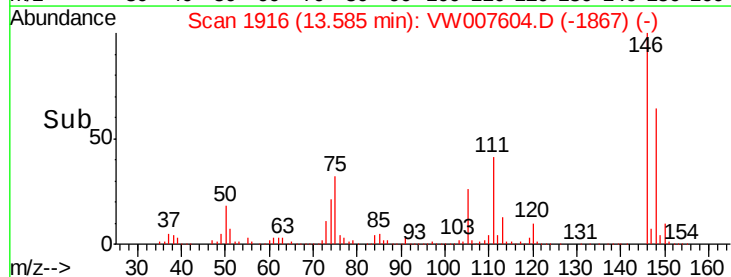
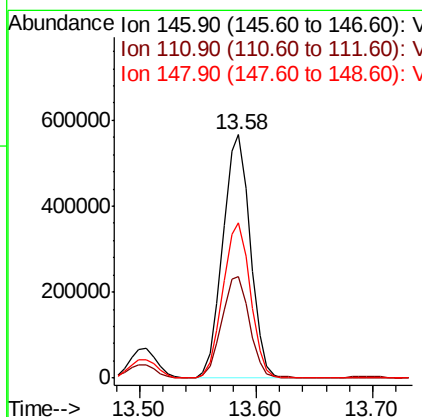
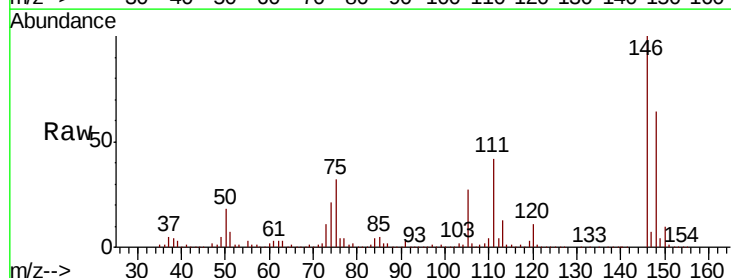
Instrument :
 MSVOA_W
 ClientSampleId :

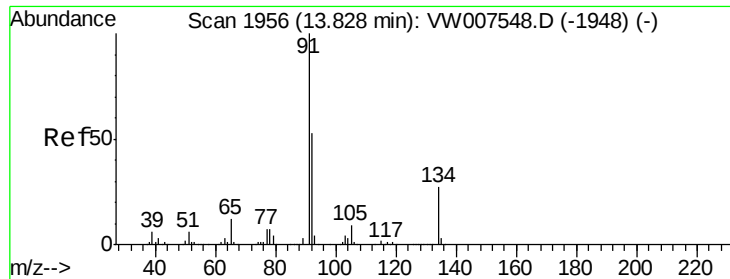
Tot Ion:146 Resp: 111583
 Ion Ratio Lower Upper
 146 100
 111 44.1 20.1 60.3
 148 64.7 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 4098.496 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007604.D
 Acq: 16 Dec 2018 02:31

Tgt Ion:146 Resp: 923130
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.3 61.0
 148 64.0 33.5 100.5





#89

n-Butylbenzene

Concen: 54.427 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

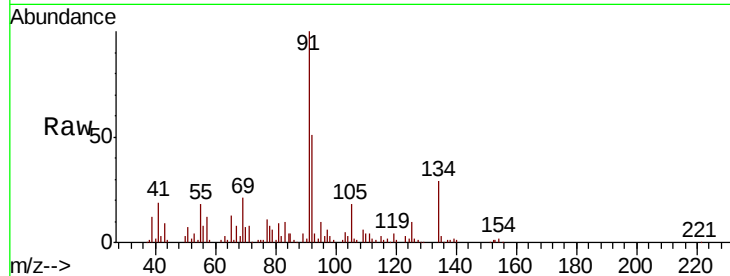
Tot Ion: 91 Resp: 23225

Ion Ratio Lower Upper

91 100

92 63.5 25.7 77.1

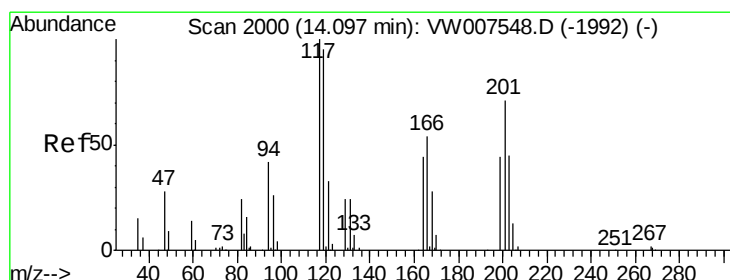
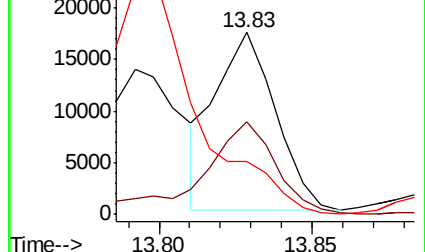
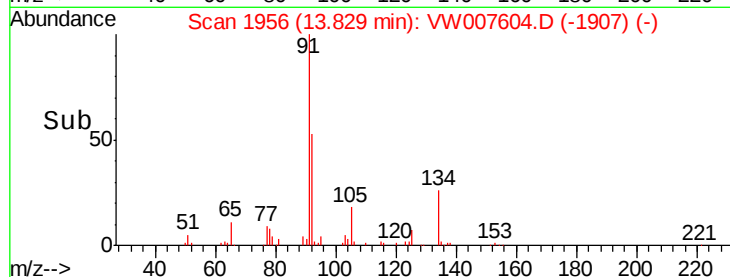
134 0.0 13.4 40.2#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 148.143 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007604.D

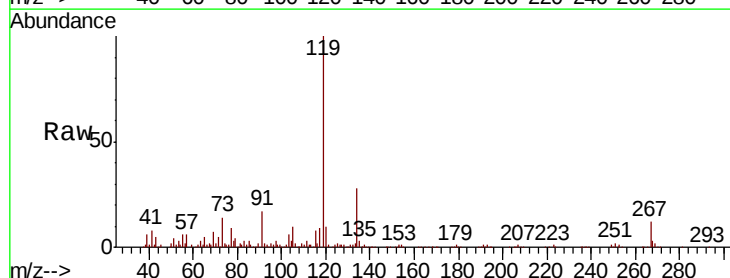
Acq: 16 Dec 2018 02:31

Tgt Ion: 117 Resp: 12133

Ion Ratio Lower Upper

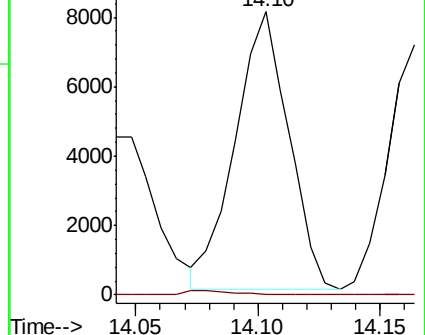
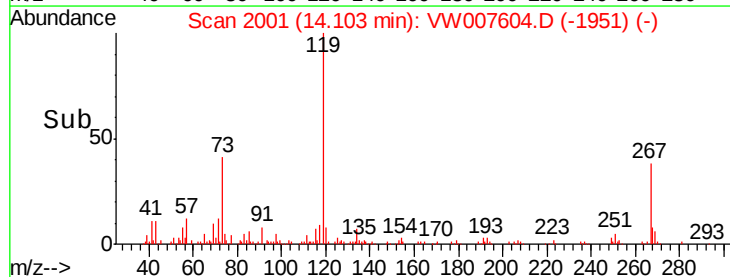
117 100

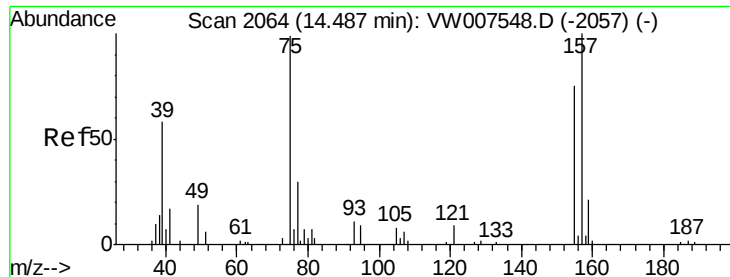
201 0.0 35.3 105.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 21.436 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.01 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

Instrument :

MSVOA_W

ClientSampleId :

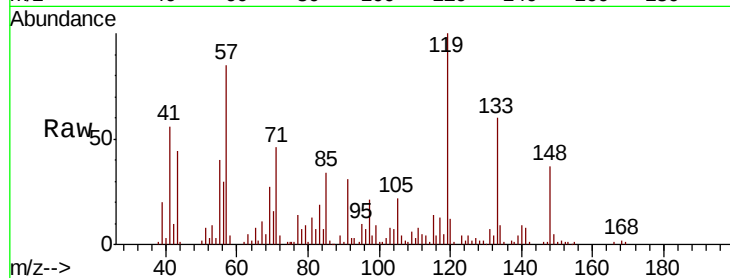
Tot Ion: 75 Resp: 323

Ion Ratio Lower Upper

75 100

155 47.1 40.8 122.2

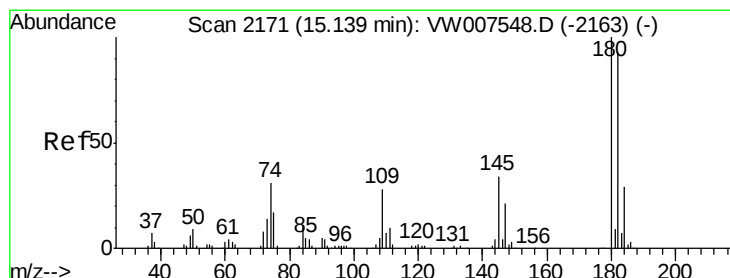
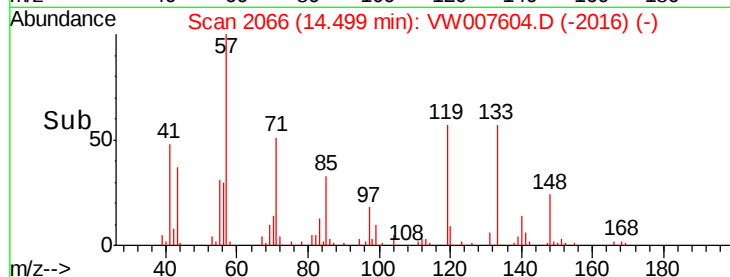
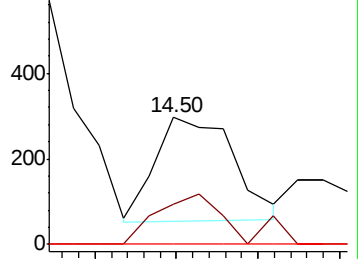
157 0.0 51.1 153.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 4.663 ug/l

RT: 15.13 min Scan# 2169

Delta R.T. -0.01 min

Lab File: VW007604.D

Acq: 16 Dec 2018 02:31

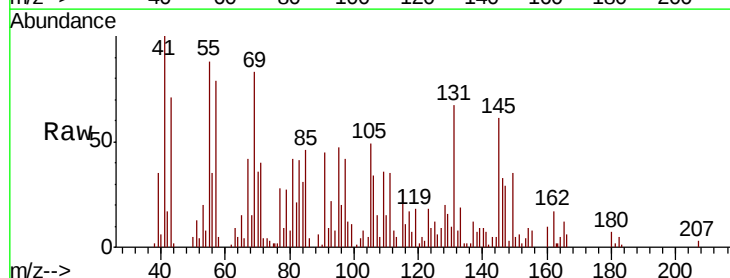
Tgt Ion: 180 Resp: 644

Ion Ratio Lower Upper

180 100

182 67.7 49.9 149.6

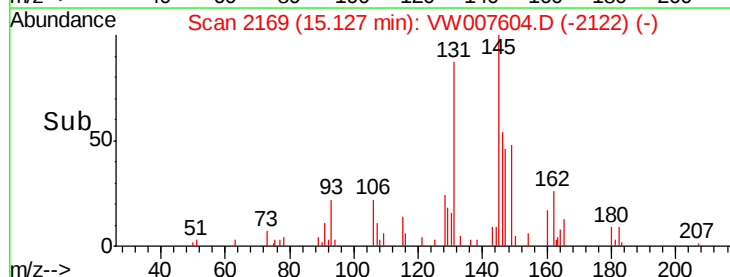
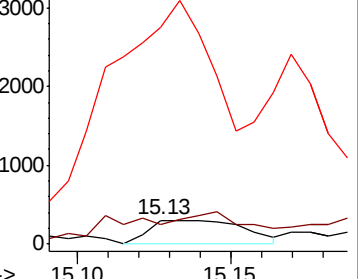
145 1225.5 17.8 53.4#

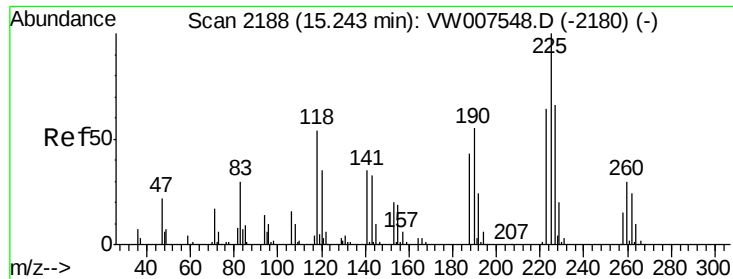


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

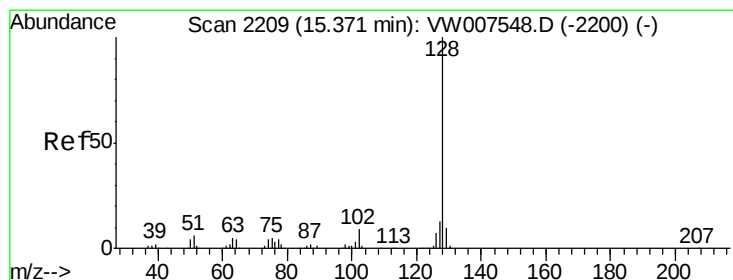
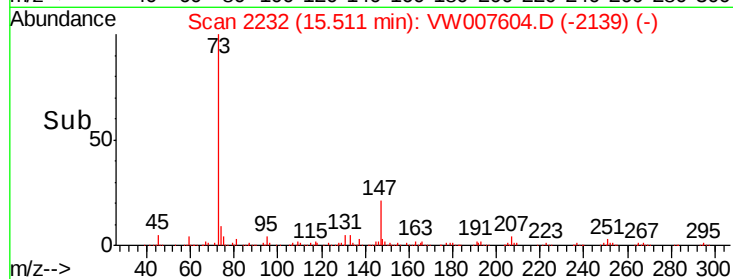
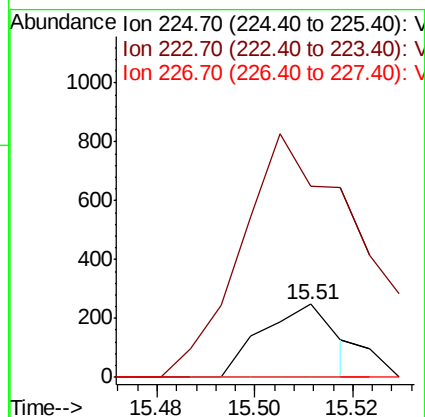
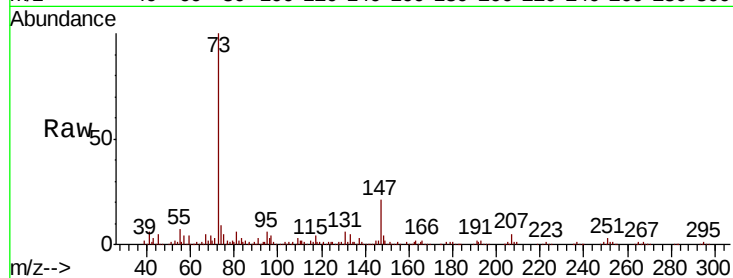




#94
Hexachlorobutadiene
Concen: 3.494 ug/l
RT: 15.51 min Scan# 2232
Delta R.T. 0.27 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

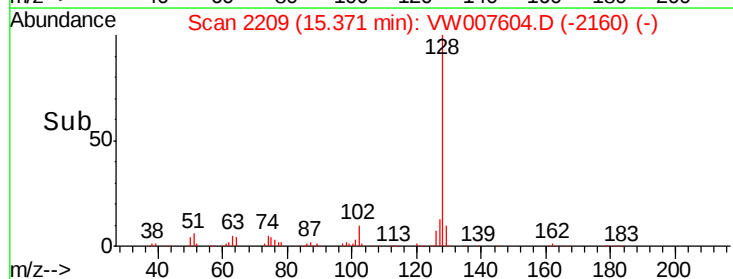
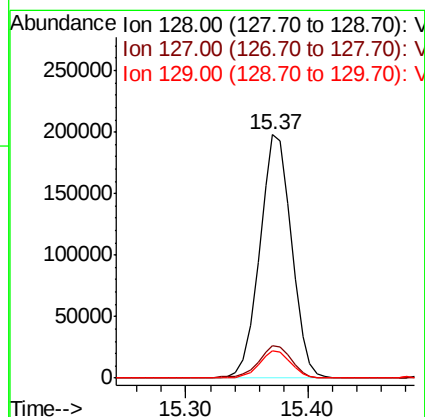
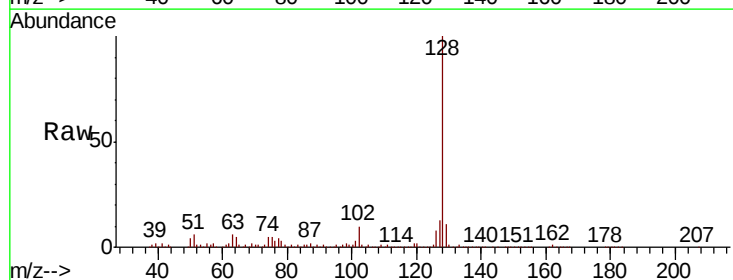
Instrument :
MSVOA_W
ClientSampled :

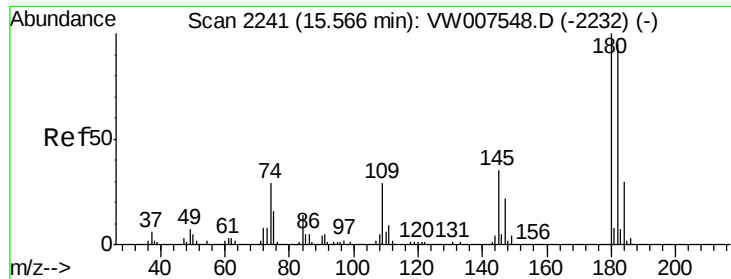
Tot Ion	Ratio	Lower	Upper
225	100		
223	430.9	32.1	96.3#
227	0.0	31.9	95.9#



#95
Naphthalene
Concen: 1349.714 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW007604.D
Acq: 16 Dec 2018 02:31

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.2	15.4
129	11.2	8.3	12.5

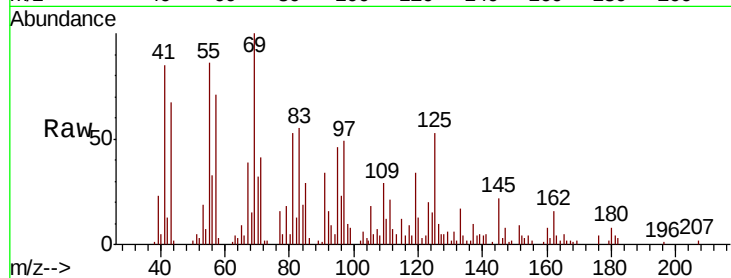




#96
 1,2,3-Trichlorobenzene
 Concen: 3.668 ug/l
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.02 min
 Lab File: VW007604.D
 Acq: 16 Dec 2018 02:31

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 440
 Ion Ratio Lower Upper
 180 100
 182 18.0 45.6 136.7#
 145 0.0 17.5 52.5#



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

