

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111319\
 Data File : VW014003.D
 Acq On : 13 Nov 2019 13:40
 Operator : SY/VA
 Sample : K5670-05
 Misc : 6.87G/5.0ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 14 05:55:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	274903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	422615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	128738	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	122381	59.34	ug/l	0.00
Spiked Amount			Recovery	=	118.68%	
35) Dibromofluoromethane	7.88	113	125094	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
50) Toluene-d8	10.32	98	481310	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.62	95	136225	42.05	ug/l	0.00
Spiked Amount			Recovery	=	84.10%	

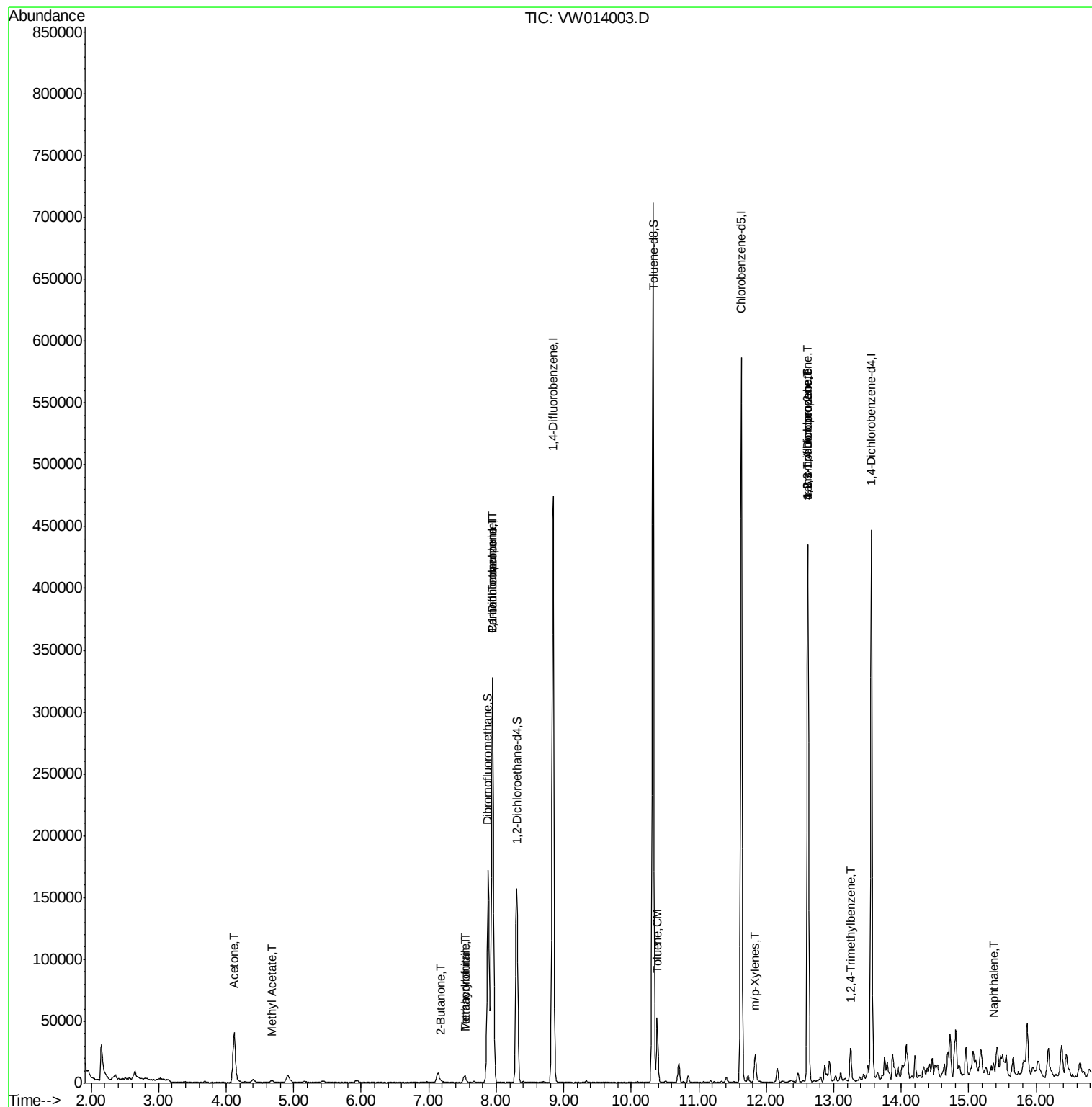
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	69480	158.900	ug/l	95
18) Methyl Acetate	4.67	43	3795	3.166	ug/l #	72
20) Methylene Chloride	4.91	84	4994	Below Cal	#	81
25) 2-Butanone	7.18	43	1065	1.694	ug/l #	70
29) Tetrahydrofuran	7.54	42	4782	12.287	ug/l #	83
36) 1,1-Dichloropropene	7.95	75	17091	4.342	ug/l #	48
38) Carbon Tetrachloride	7.95	117	23034	6.499	ug/l #	14
41) Methacrylonitrile	7.53	41	2923	3.111	ug/l #	44
52) Toluene	10.38	92	22495	3.131	ug/l	96
68) m/p-Xylenes	11.84	106	6308	1.275	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	65857	71.234	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65857	134.622	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.25	105	15689	2.038	ug/l	99
95) Naphthalene	15.36	128	6819	1.611	ug/l #	95

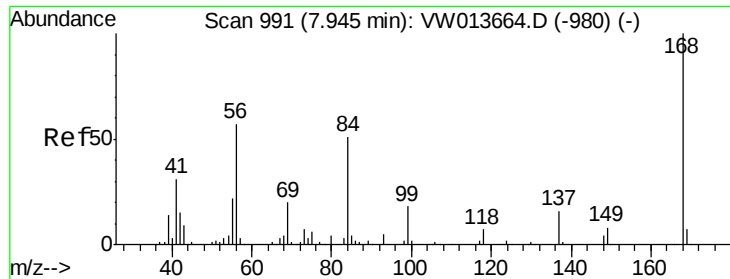
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111319\
Data File : VW014003.D
Acq On : 13 Nov 2019 13:40
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Quant Time: Nov 14 05:55:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014003.D

Acq: 13 Nov 2019 13:40

Instrument :

MSVOA_W

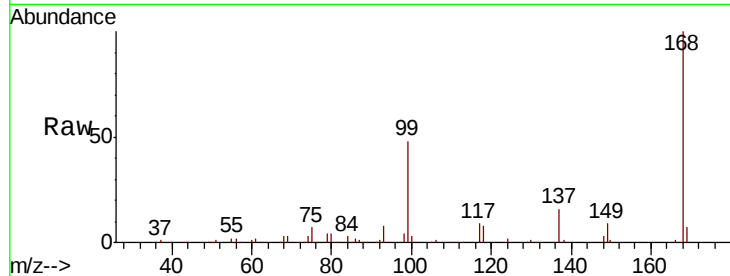
ClientSampled :

Tot Ion:168 Resp: 274903

Ion Ratio Lower Upper

168 100

99 48.0 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

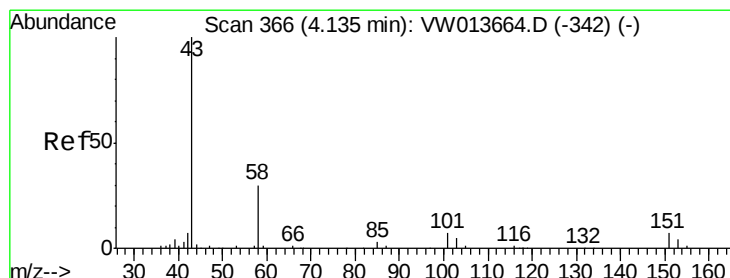
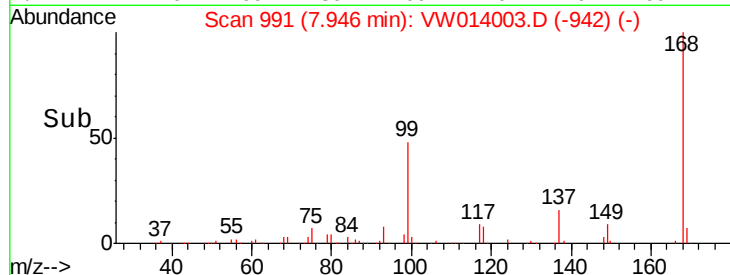
7.95

100000

50000

0

Time-->



#16

Acetone

Concen: 158.900 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW014003.D

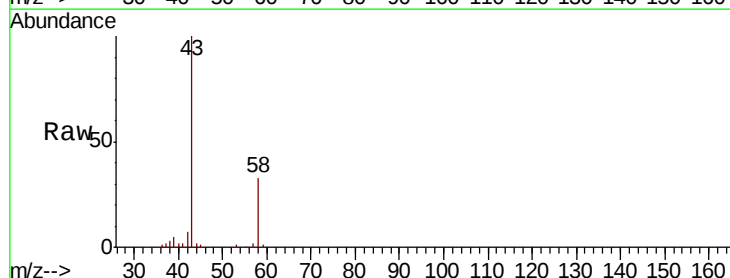
Acq: 13 Nov 2019 13:40

Tgt Ion: 43 Resp: 69480

Ion Ratio Lower Upper

43 100

58 32.6 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

30000

25000

20000

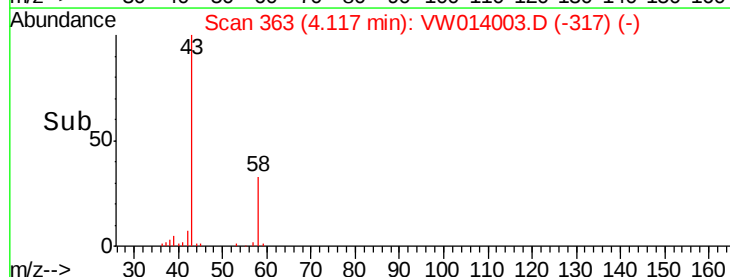
15000

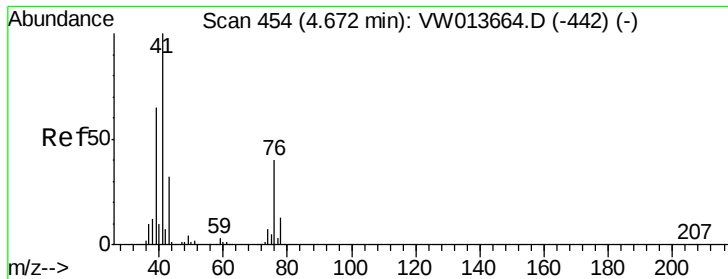
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5000

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Time-->

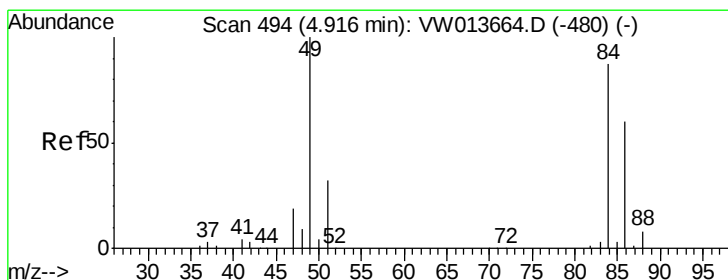
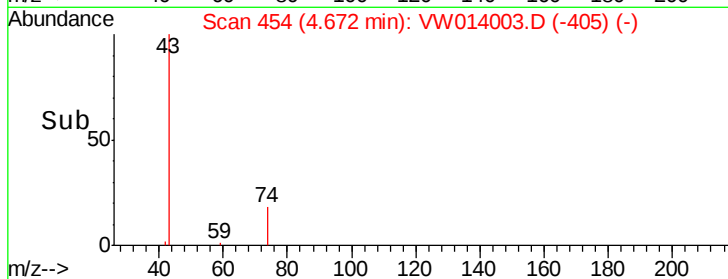
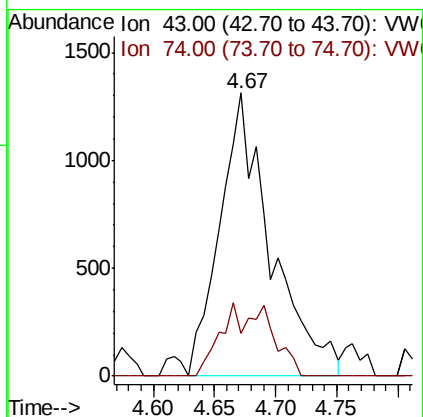
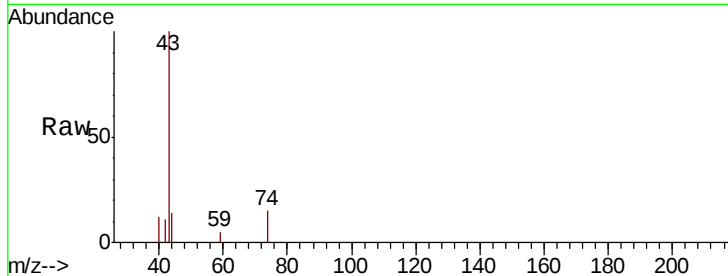




#18
Methyl Acetate
Concen: 3.166 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW014003.D
Acq: 13 Nov 2019 13:40

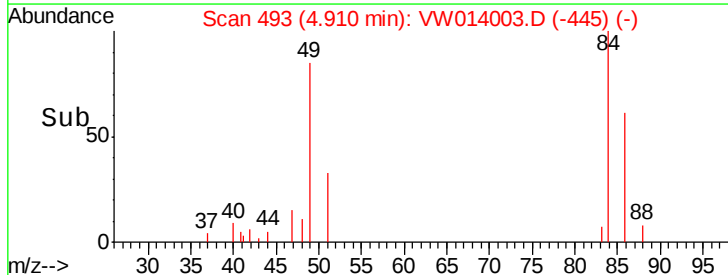
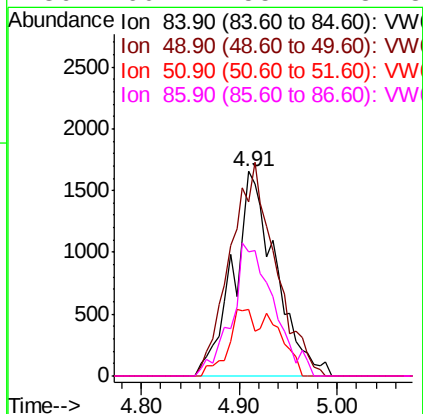
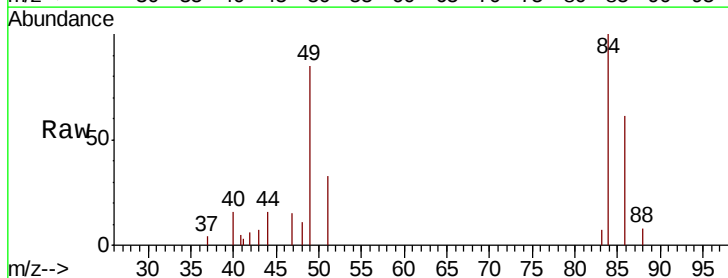
Instrument :
MSVOA_W
ClientSampled :

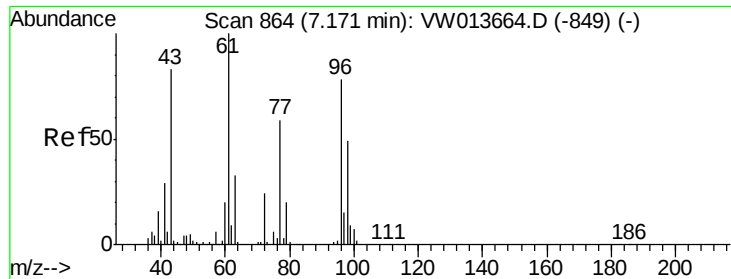
Tot Ion: 43 Resp: 3795
Ion Ratio Lower Upper
43 100
74 10.9 19.8 29.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014003.D
Acq: 13 Nov 2019 13:40

Tgt Ion: 84 Resp: 4994
Ion Ratio Lower Upper
84 100
49 85.2 91.8 137.6#
51 32.8 29.8 44.6
86 60.7 55.2 82.8





#25

2-Butanone

Concen: 1.694 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW014003.D

Acq: 13 Nov 2019 13:40

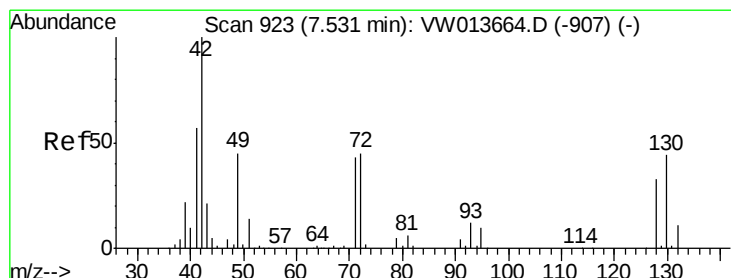
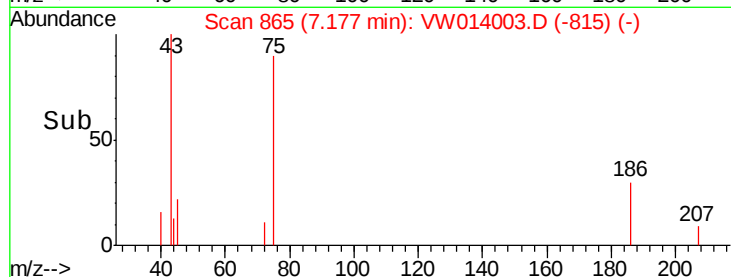
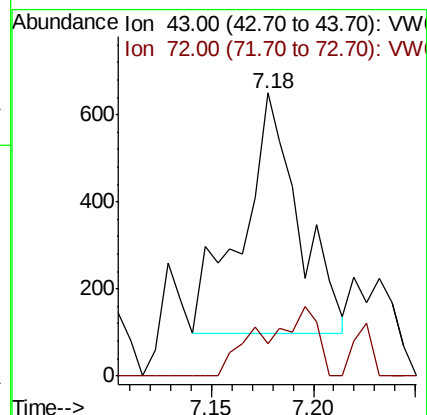
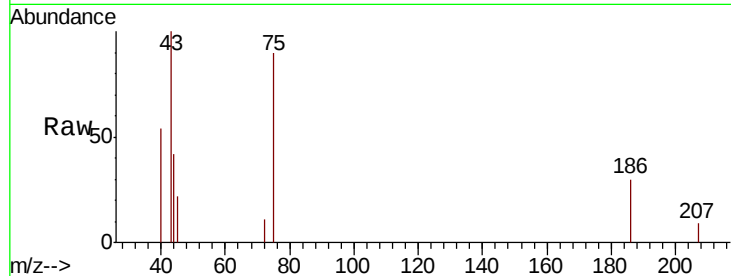
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1065

Ion Ratio Lower Upper

43 100

72 13.2 23.6 35.4#



#29

Tetrahydrofuran

Concen: 12.287 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW014003.D

Acq: 13 Nov 2019 13:40

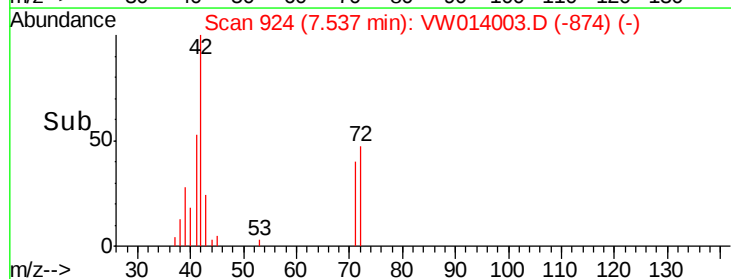
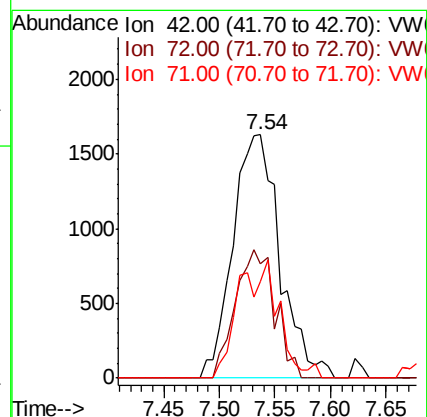
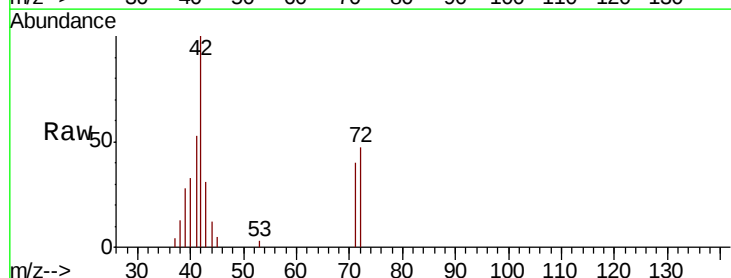
Tgt Ion: 42 Resp: 4782

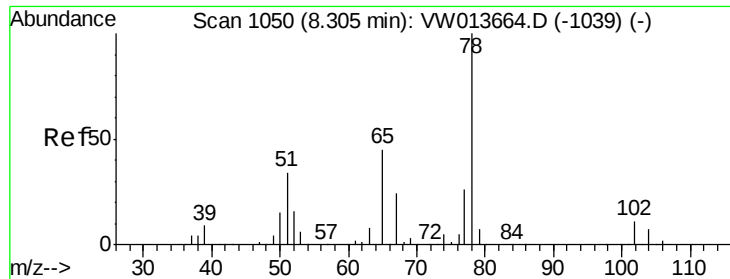
Ion Ratio Lower Upper

42 100

72 44.3 35.3 52.9

71 20.0 33.3 49.9#

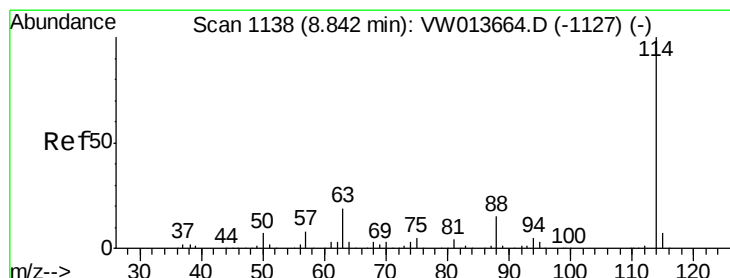
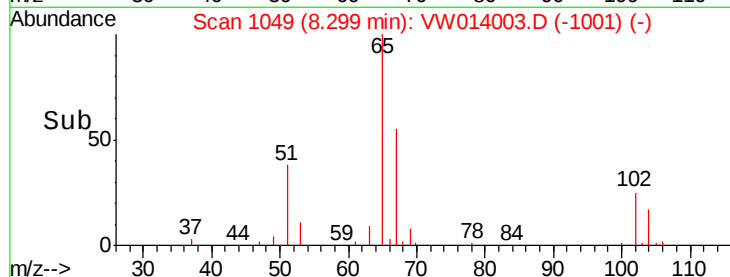
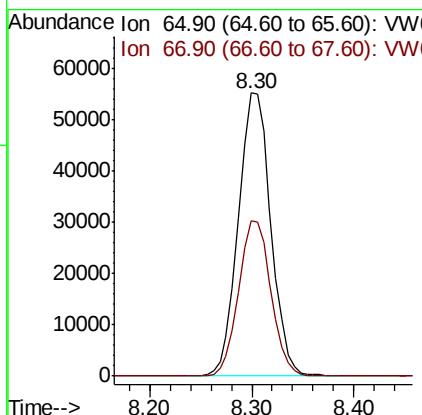
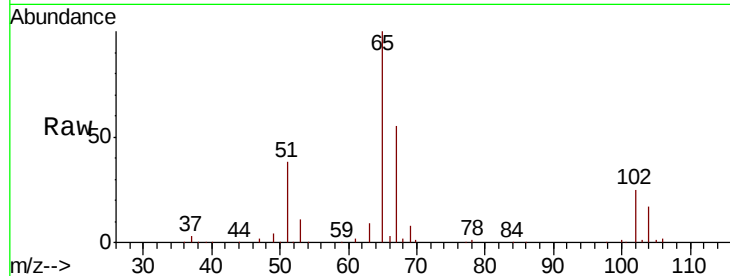




#33
 1,2-Dichloroethane-d4
 Concen: 59.344 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014003.D
 Acq: 13 Nov 2019 13:40

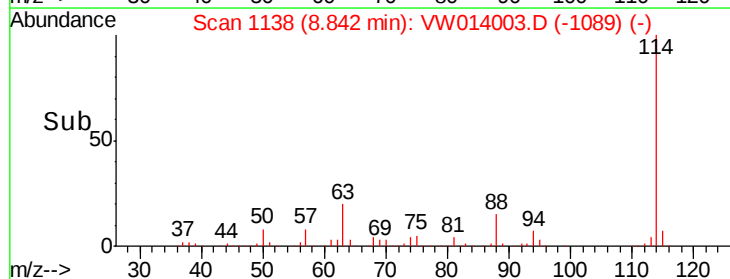
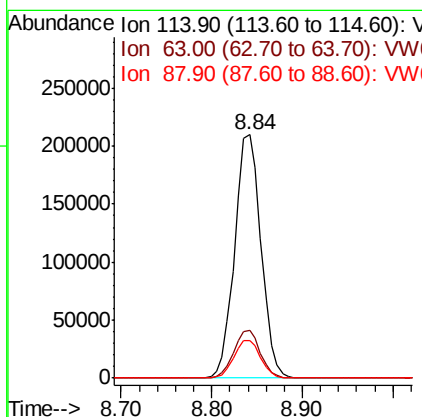
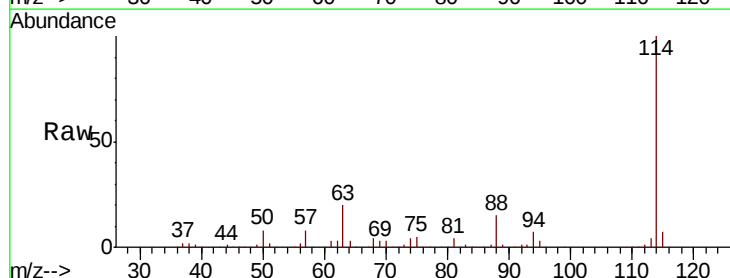
Instrument :
 MSVOA_W
 ClientSampled :

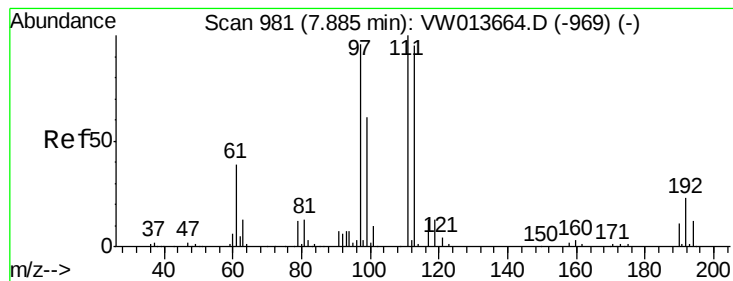
Tot Ion: 65 Resp: 122381
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014003.D
 Acq: 13 Nov 2019 13:40

Tgt Ion: 114 Resp: 422615
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.6
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 53.270 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW014003.D

Acq: 13 Nov 2019 13:40

Instrument :

MSVOA_W

ClientSampleId :

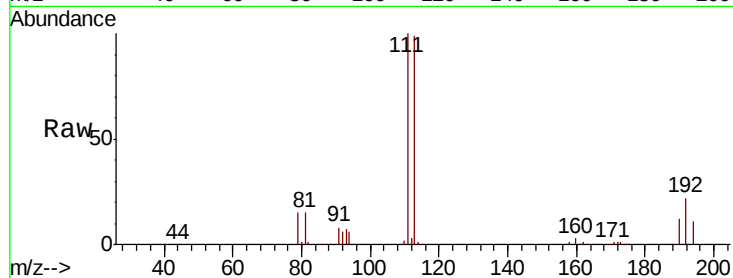
Tot Ion:113 Resp: 125094

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

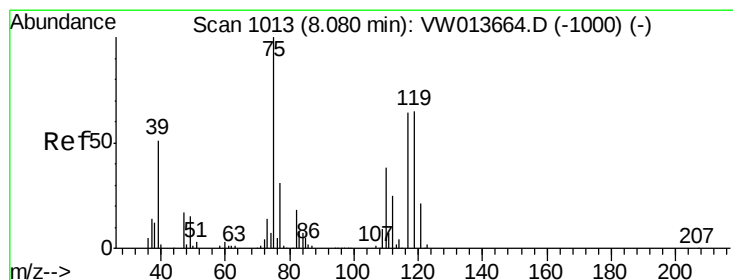
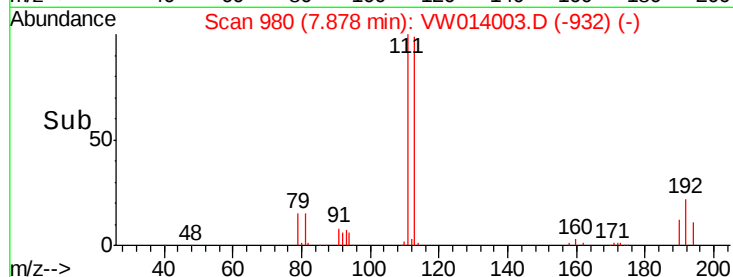
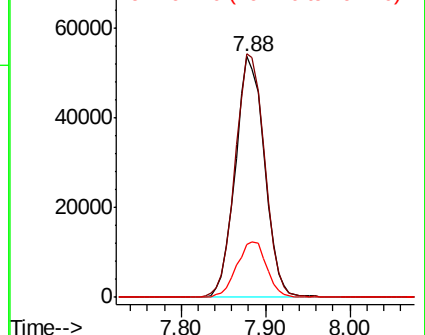
192 23.6 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.342 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW014003.D

Acq: 13 Nov 2019 13:40

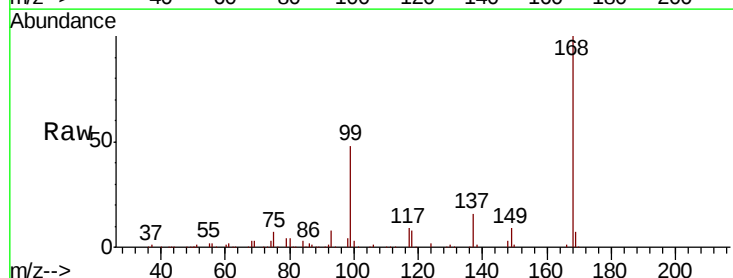
Tgt Ion: 75 Resp: 17091

Ion Ratio Lower Upper

75 100

110 9.3 18.7 56.1#

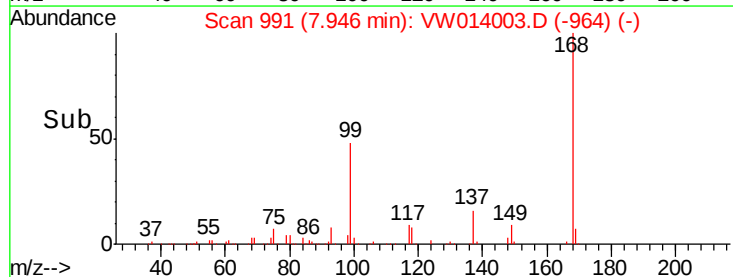
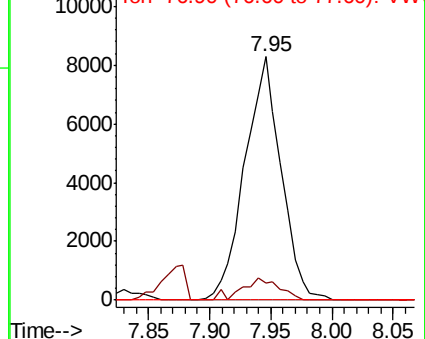
77 0.0 25.4 38.0#

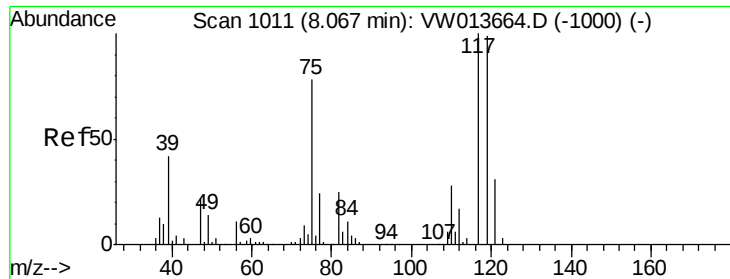


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.499 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW014003.D

Acq: 13 Nov 2019 13:40

Instrument :

MSVOA_W

ClientSampled :

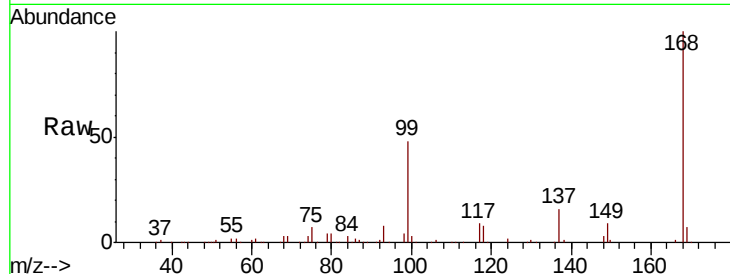
Tot Ion:117 Resp: 23034

Ion Ratio Lower Upper

117 100

119 4.2 79.0 118.4#

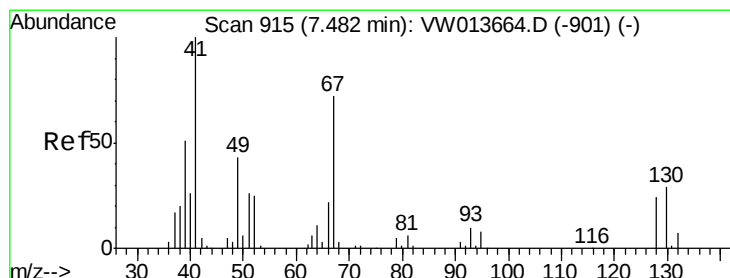
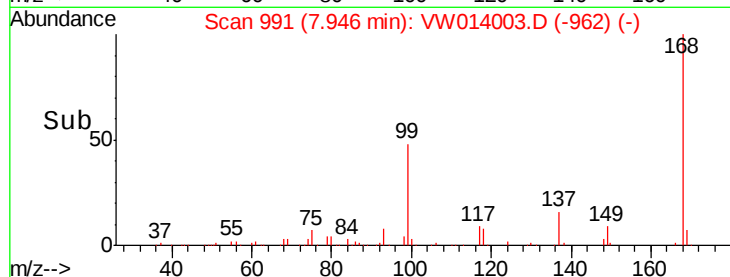
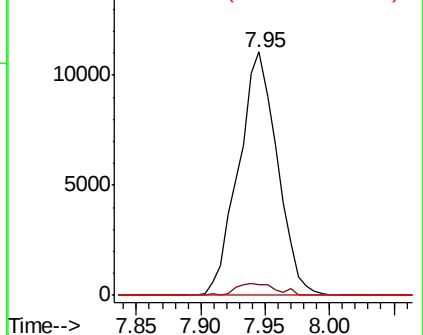
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 3.111 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW014003.D

Acq: 13 Nov 2019 13:40

Tgt Ion: 41 Resp: 2923

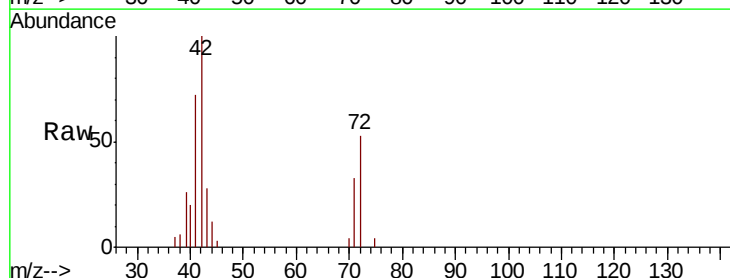
Ion Ratio Lower Upper

41 100

39 45.9 44.8 67.2

67 0.0 59.3 88.9#

52 0.0 23.4 35.0#

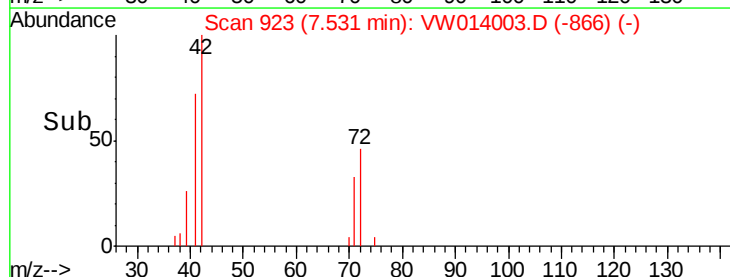
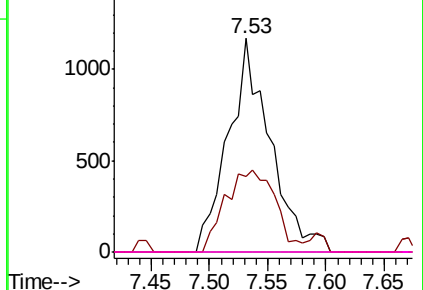


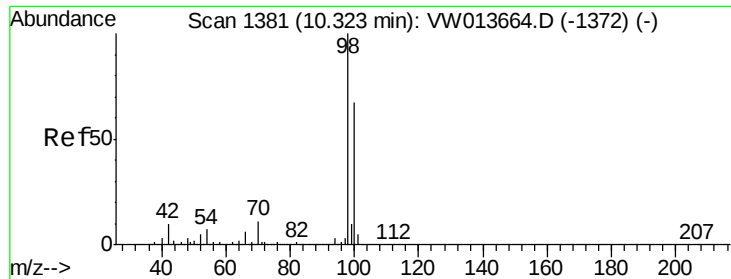
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

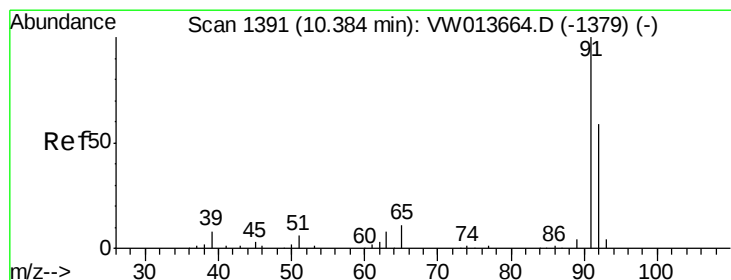
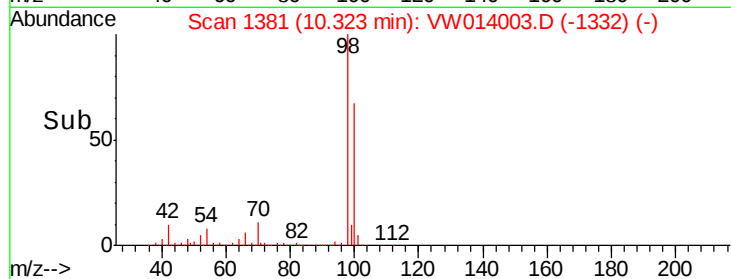
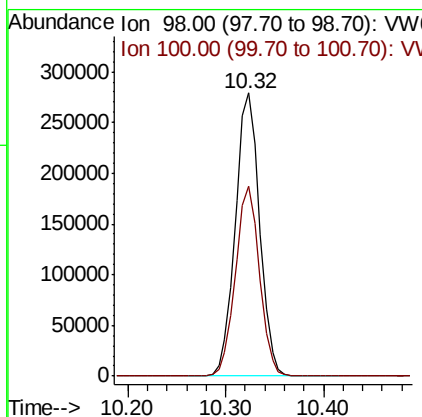
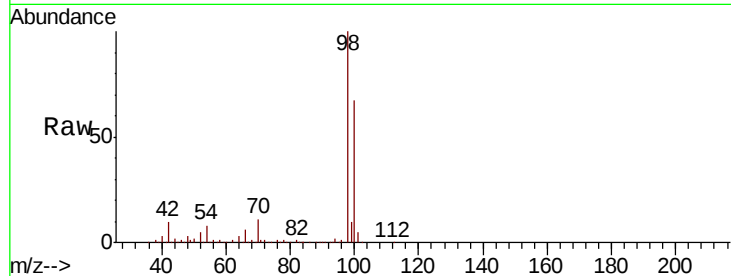




#50
Toluene-d8
Concen: 50.301 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014003.D
Acq: 13 Nov 2019 13:40

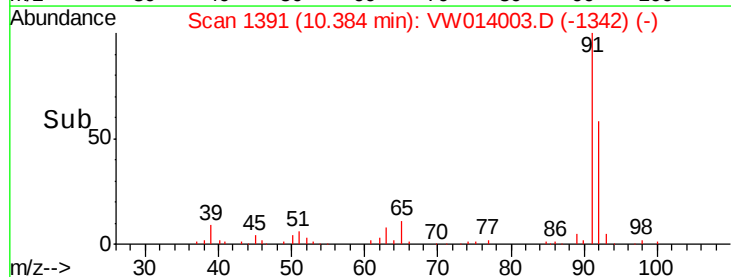
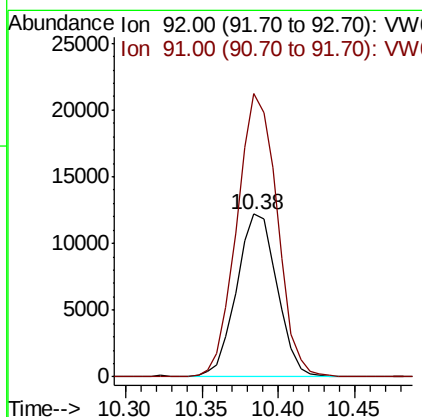
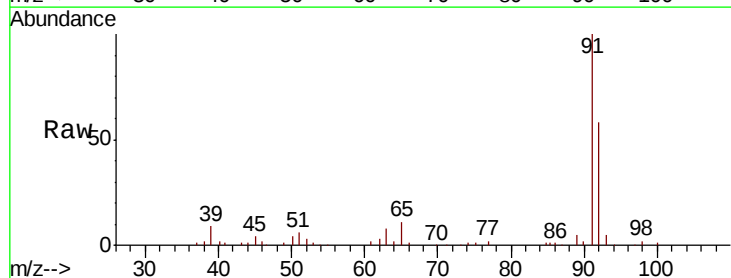
Instrument :
MSVOA_W
ClientSampled :

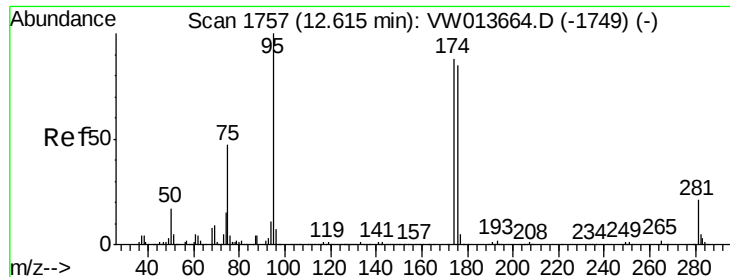
Tot Ion: 98 Resp: 481310
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



#52
Toluene
Concen: 3.131 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW014003.D
Acq: 13 Nov 2019 13:40

Tgt Ion: 92 Resp: 22495
Ion Ratio Lower Upper
92 100
91 173.3 134.5 201.7

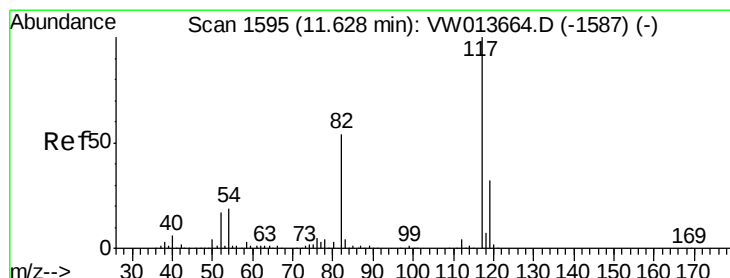
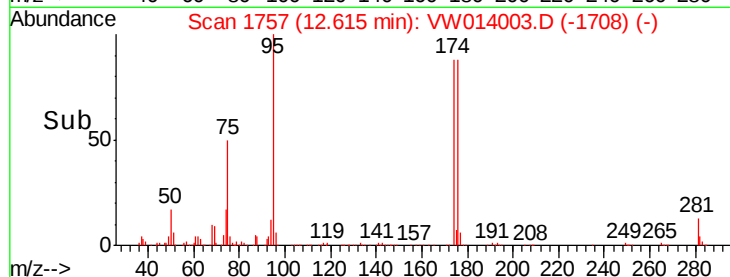
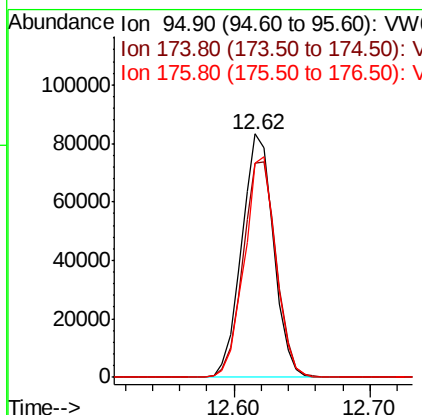
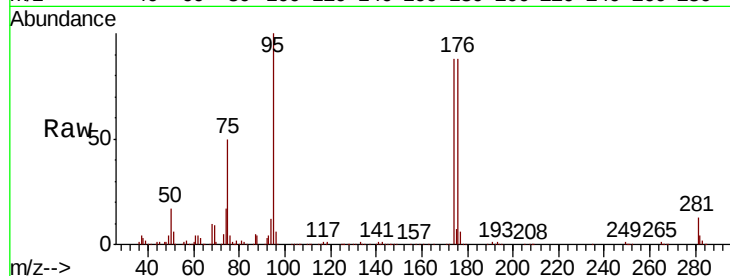




#62
4-Bromofluorobenzene
Concen: 42.045 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014003.D
Acq: 13 Nov 2019 13:40

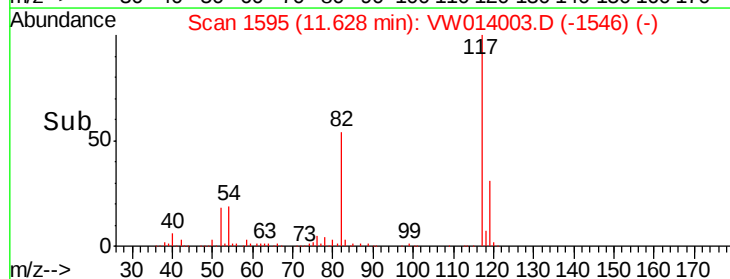
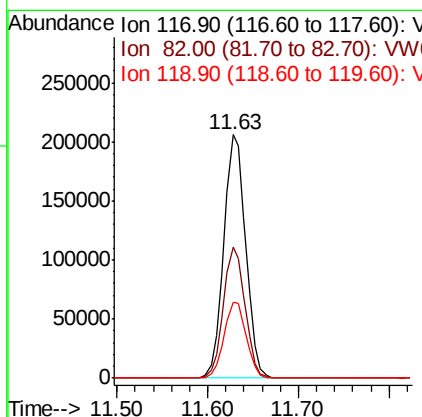
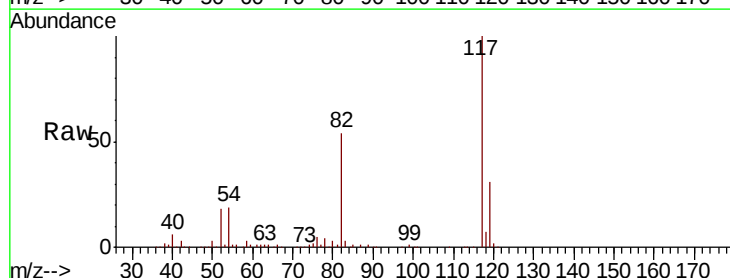
Instrument :
MSVOA_W
ClientSampleId :

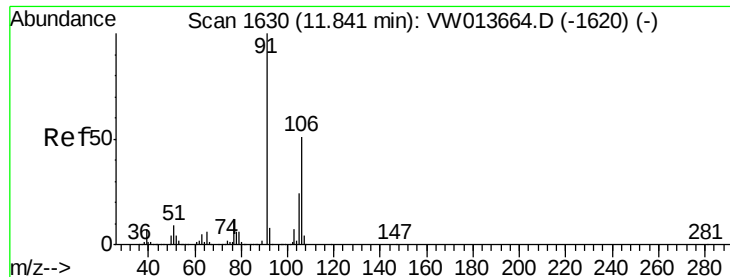
Tot Ion: 95 Resp: 136225
Ion Ratio Lower Upper
95 100
174 92.6 0.0 183.6
176 89.6 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014003.D
Acq: 13 Nov 2019 13:40

Tgt Ion: 117 Resp: 345614
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 31.0 25.4 38.2

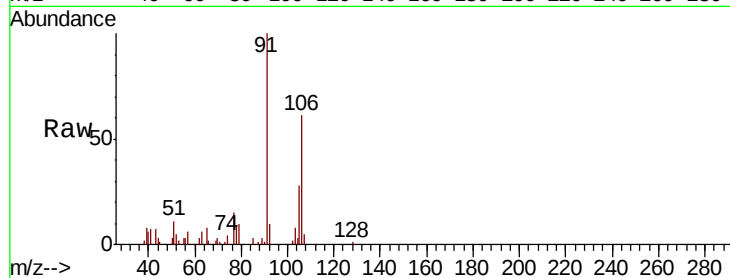




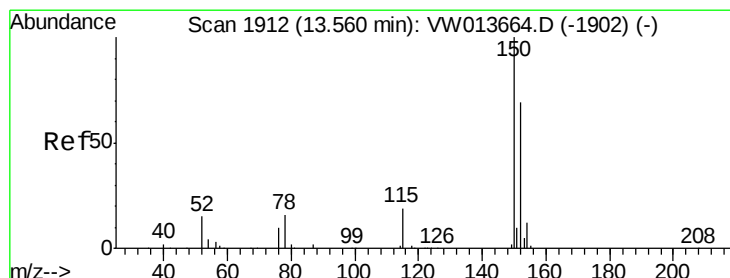
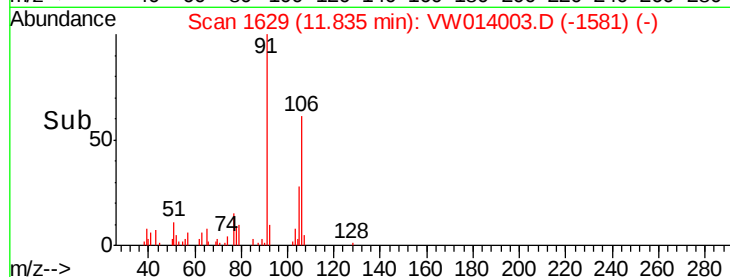
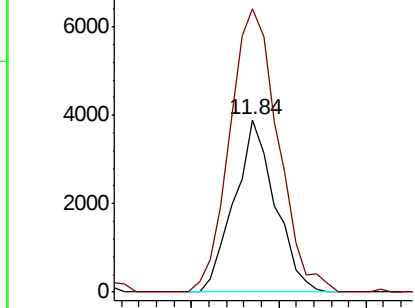
#68
m/p-Xvlenes
Concen: 1.275 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW014003.D
Acq: 13 Nov 2019 13:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 6308
Ion Ratio Lower Upper
106 100
91 194.5 159.2 238.8

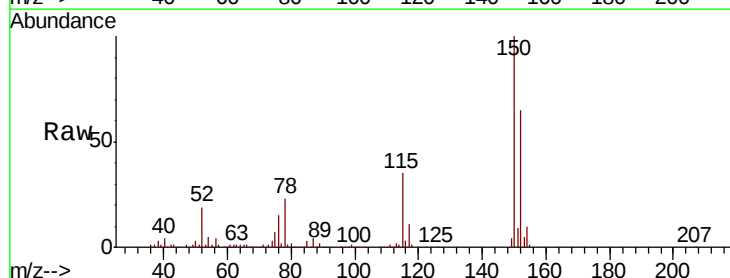


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

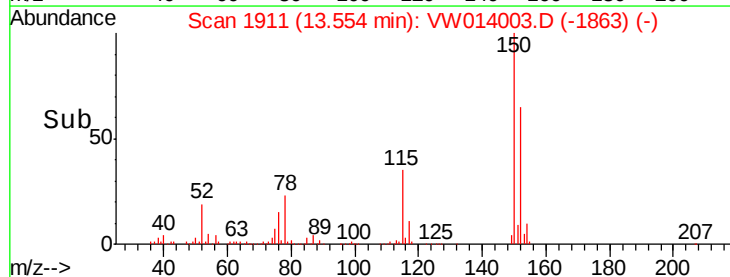
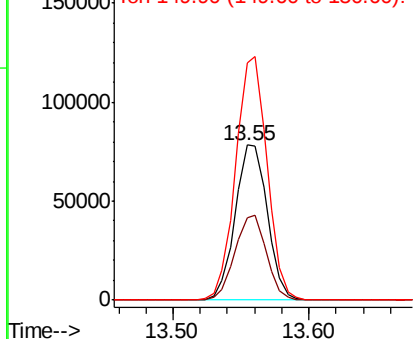


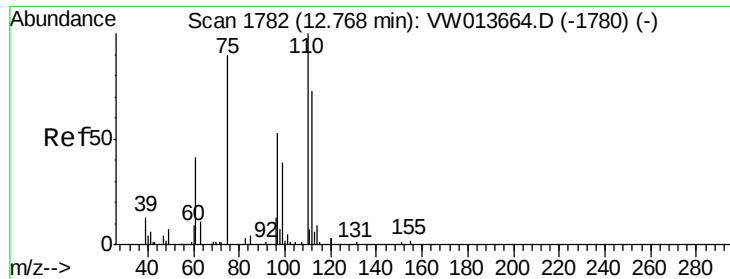
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW014003.D
Acq: 13 Nov 2019 13:40

Tgt Ion:152 Resp: 128738
Ion Ratio Lower Upper
152 100
115 54.2 27.4 82.2
150 154.2 0.0 345.4



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



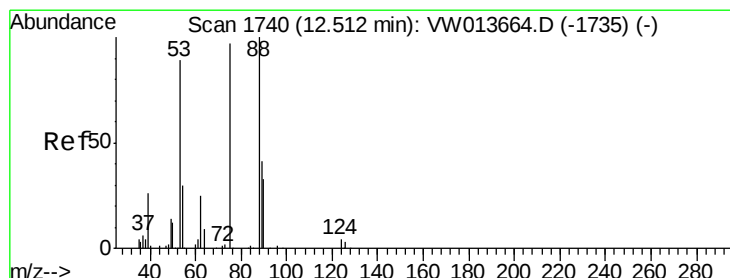
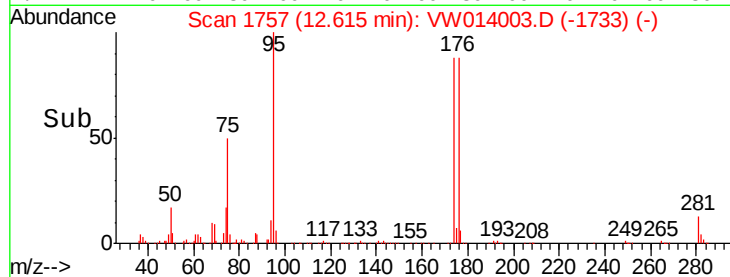
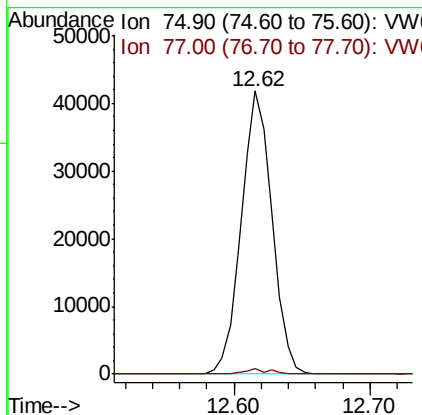
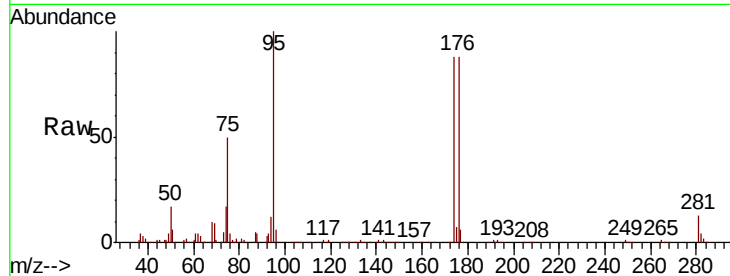


#76

1,2,3-Trichloropropane
 Concen: 71.234 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW014003.D
 Acq: 13 Nov 2019 13:40

Instrument :
 MSVOA_W
 ClientSampleId :

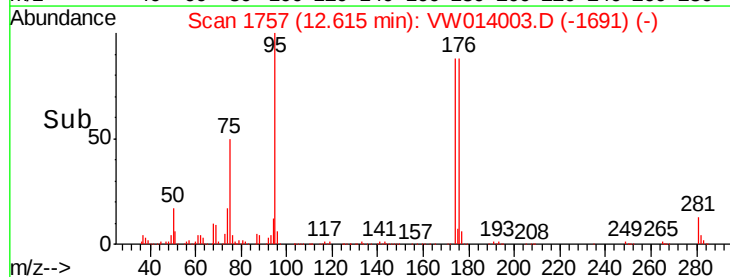
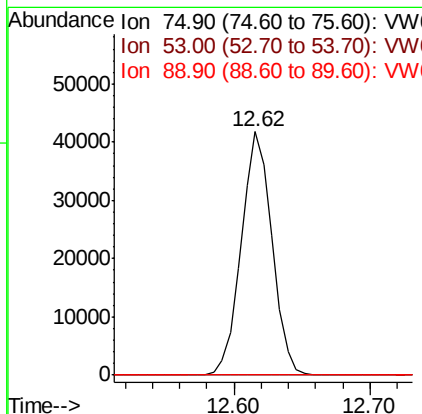
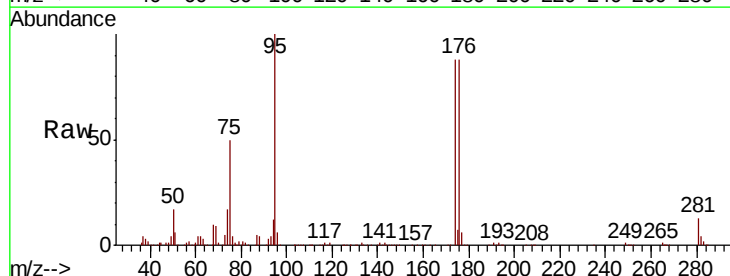
Tot Ion: 75 Resp: 65857
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

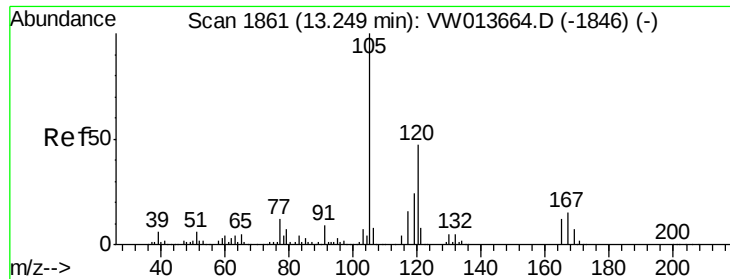


#81

trans-1,4-Dichloro-2-butene
 Concen: 134.622 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW014003.D
 Acq: 13 Nov 2019 13:40

Tgt Ion: 75 Resp: 65857
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.7 107.5#
 89 0.1 35.8 53.8#

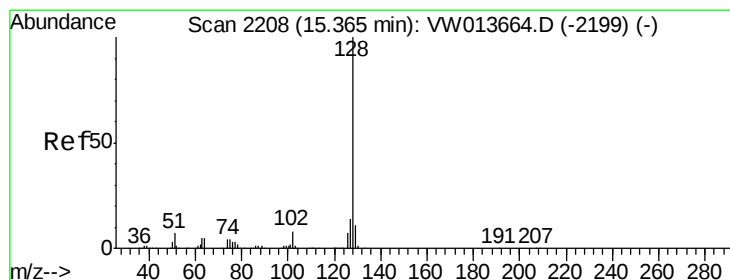
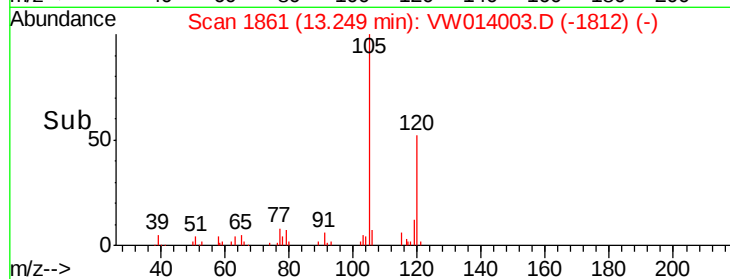
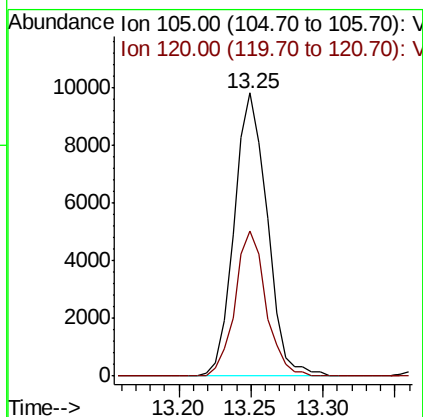
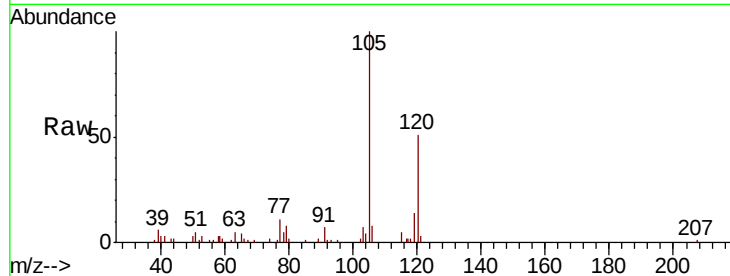




#84
 1,2,4-Trimethylbenzene
 Concen: 2.038 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014003.D
 Acq: 13 Nov 2019 13:40

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:105 Resp: 15689
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.5 70.5



#95
 Naphthalene
 Concen: 1.611 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW014003.D
 Acq: 13 Nov 2019 13:40

Tgt Ion:128 Resp: 6819
 Ion Ratio Lower Upper
 128 100
 127 14.1 10.6 15.8
 129 13.7 8.7 13.1#

