

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW012999.D
 Acq On : 14 Sep 2019 17:39
 Operator : SY/VA
 Sample : K4852-14
 Misc : 7.48G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:53:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	281162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	462545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	175885	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	159817	61.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.10%	
35) Dibromofluoromethane	7.88	113	133781	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
50) Toluene-d8	10.32	98	526781	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	12.62	95	184401	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds

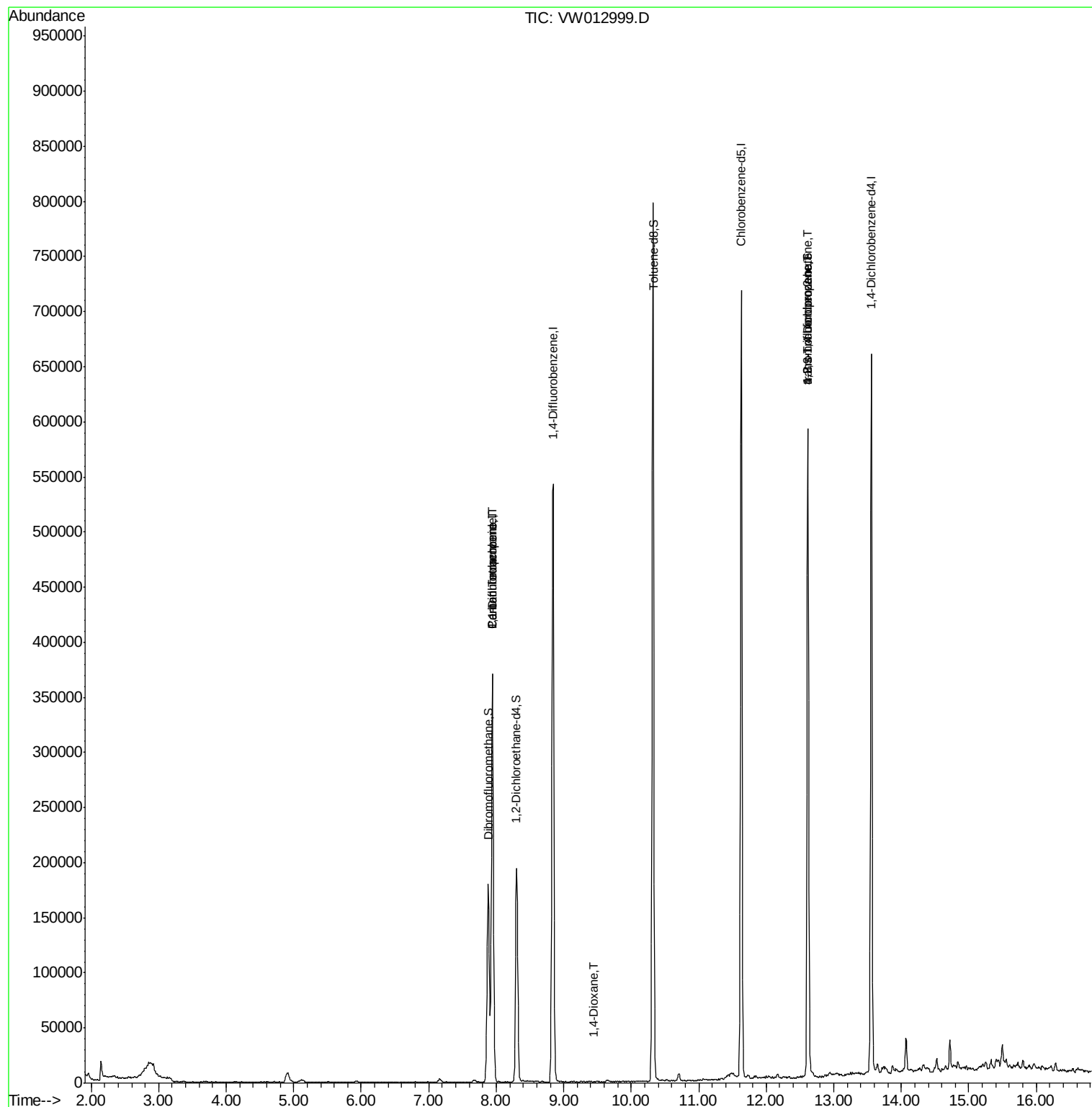
						Qvalue
2) Dichlorodifluoromethane	2.01	85	31	Below Cal	#	44
3) Chloromethane	2.20	50	264	Below Cal	#	41
11) Tert butyl alcohol	5.13	59	2153	Below Cal	#	72
13) Acrolein	3.98	56	49	Below Cal		87
16) Acetone	4.14	43	1311	Below Cal	#	86
20) Methylene Chloride	4.91	84	7329	Below Cal		90
26) 2,2-Dichloropropane	7.17	77	100	Below Cal	#	55
31) Cyclohexane	7.94	56	6017	Below Cal	#	28
36) 1,1-Dichloropropene	7.95	75	20731	5.609	ug/l #	52
38) Carbon Tetrachloride	7.95	117	26336	6.953	ug/l #	14
49) 1,4-Dioxane	9.45	88	23	1.045	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	94290	61.203	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	94290	138.838	ug/l #	7

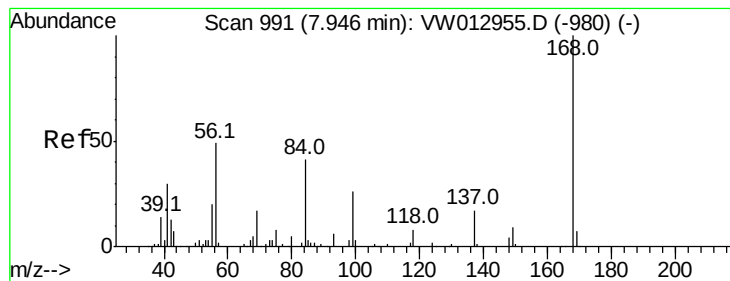
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
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QLast Update : Fri Sep 13 17:26:01 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: VW012999.D

Acq: 14 Sep 2019 17:39

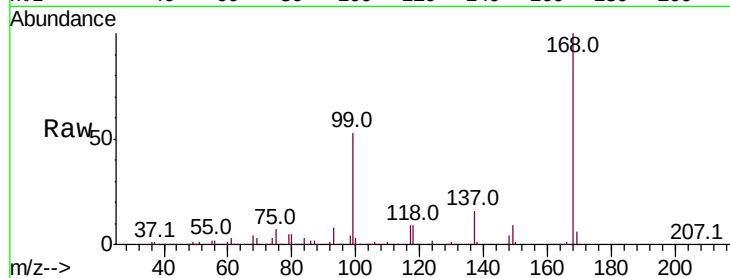
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 281162

Ion Ratio Lower Upper

168 100

99 53.3 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

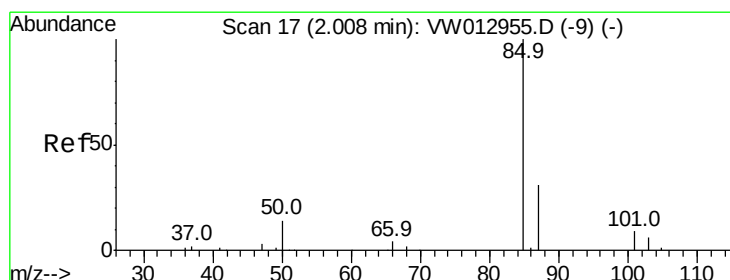
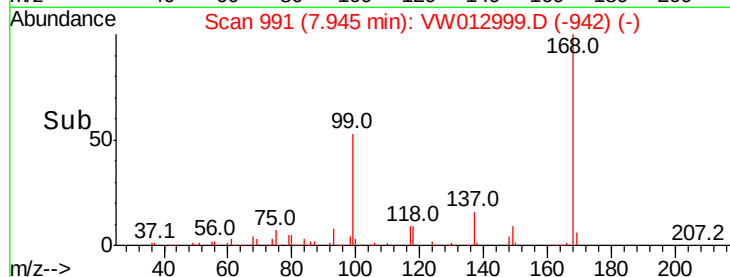
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012999.D

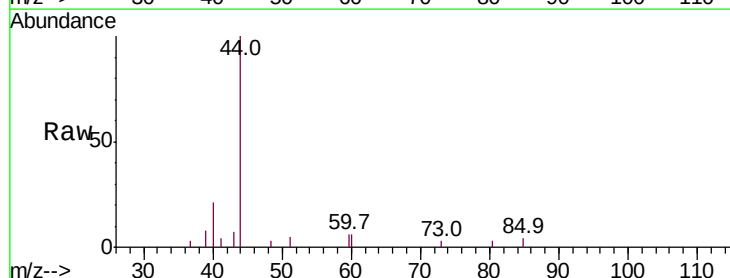
Acq: 14 Sep 2019 17:39

Tgt Ion: 85 Resp: 31

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

100

80

60

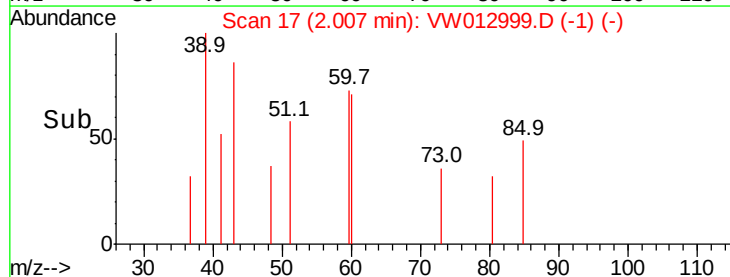
40

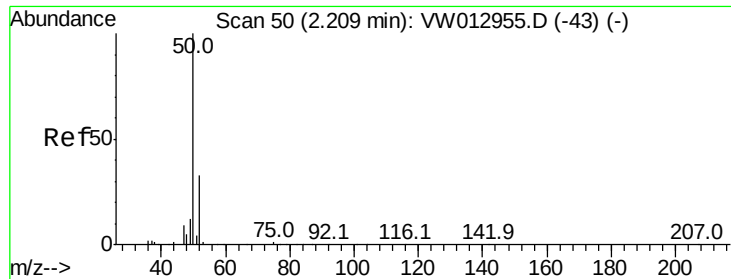
20

0

1.99 2.00 2.01 2.02

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012999.D

Acq: 14 Sep 2019 17:39

Instrument :

MSVOA_W

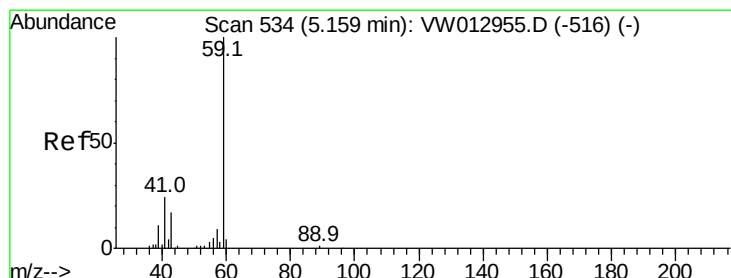
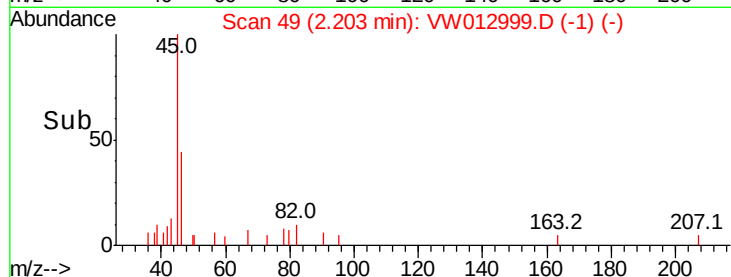
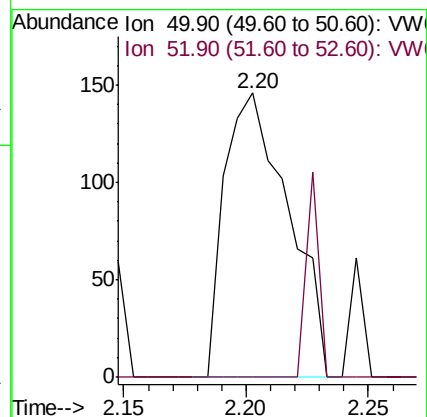
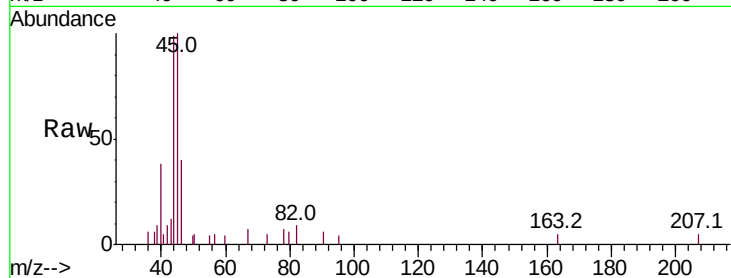
ClientSampled :

Tot Ion: 50 Resp: 264

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.13 min Scan# 529

Delta R.T. -0.03 min

Lab File: VW012999.D

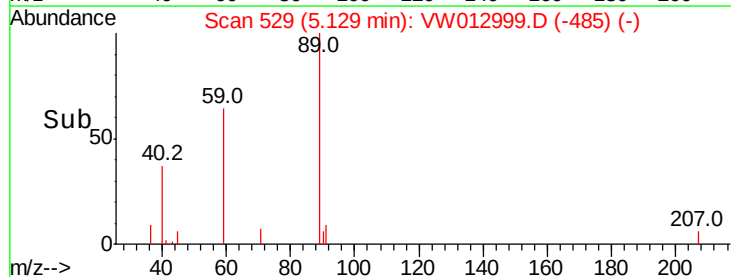
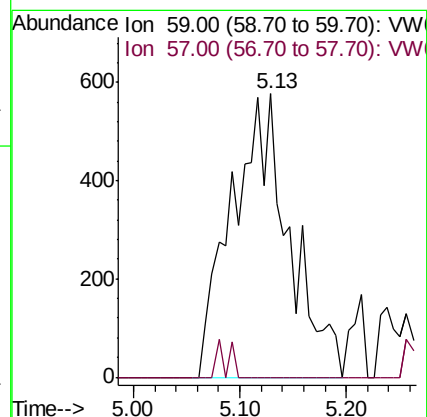
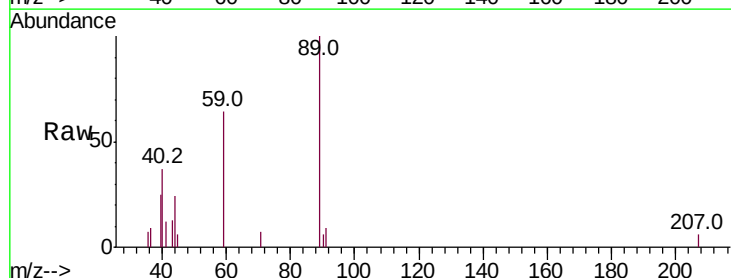
Acq: 14 Sep 2019 17:39

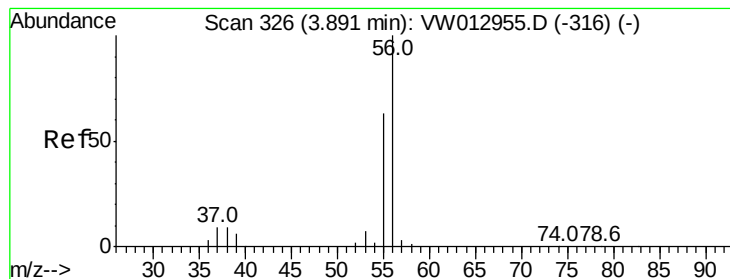
Tgt Ion: 59 Resp: 2153

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.98 min Scan# 341

Delta R.T. 0.09 min

Lab File: VW012999.D

Acq: 14 Sep 2019 17:39

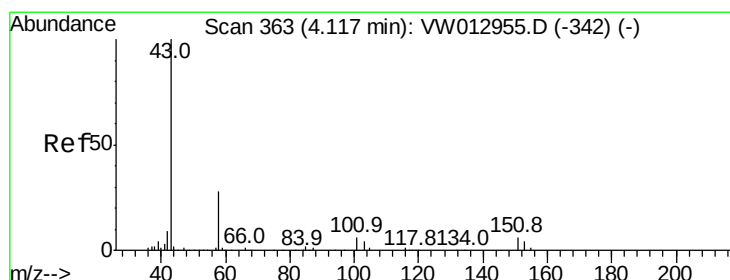
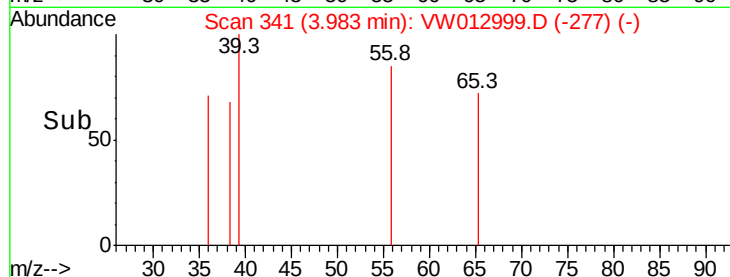
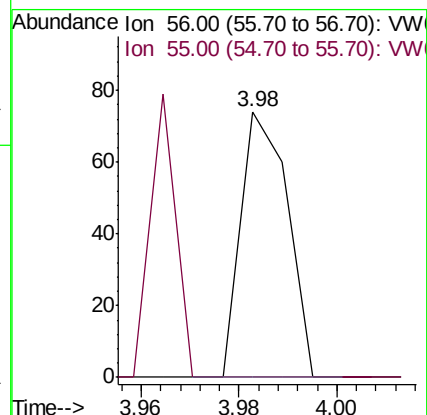
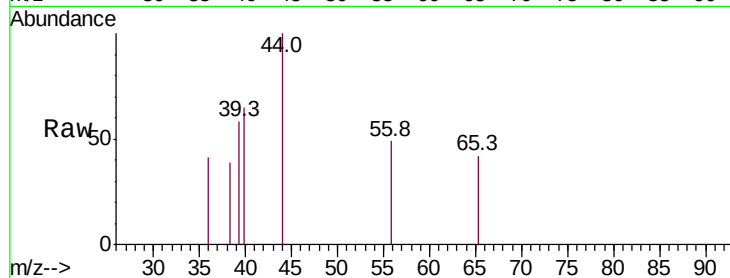
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 49

Ion Ratio Lower Upper

56 100

55 59.2 55.8 83.8



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. 0.03 min

Lab File: VW012999.D

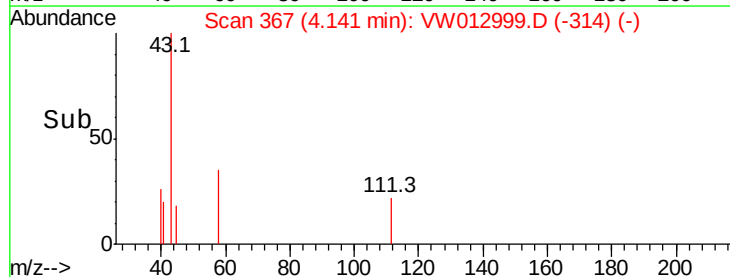
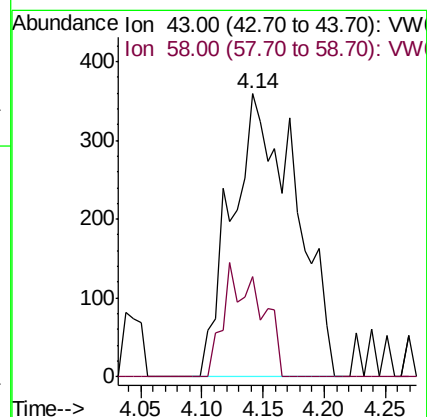
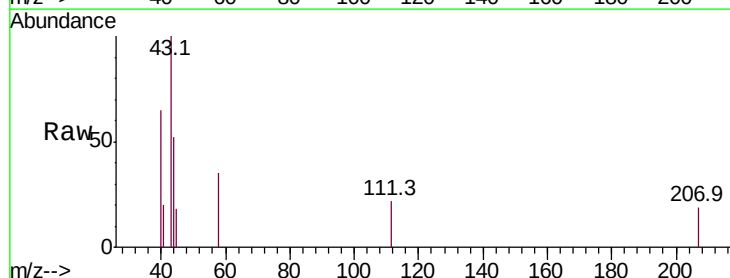
Acq: 14 Sep 2019 17:39

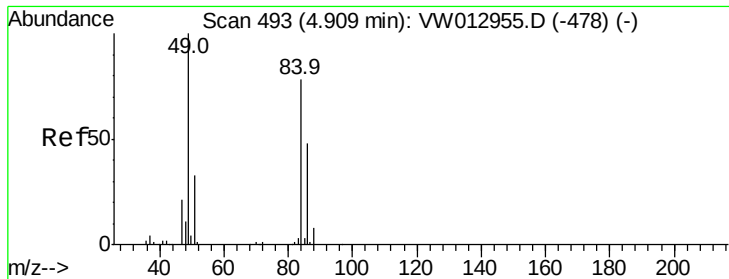
Tgt Ion: 43 Resp: 1311

Ion Ratio Lower Upper

43 100

58 35.4 22.3 33.5#



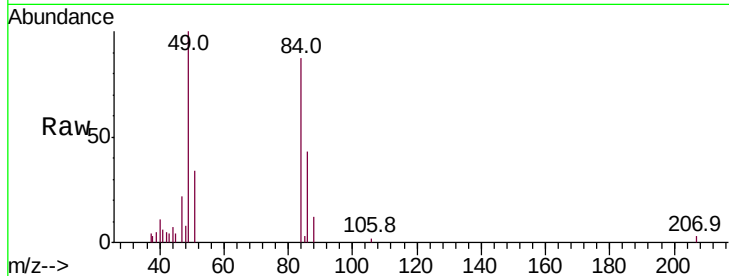


#20

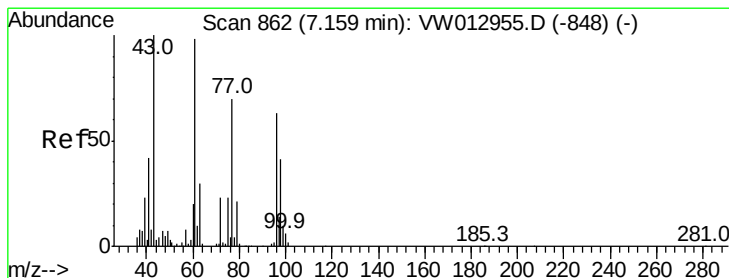
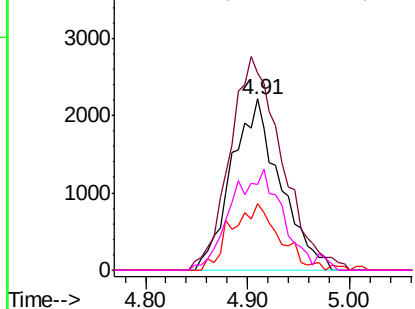
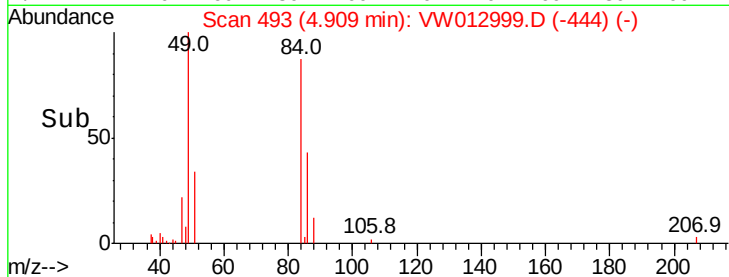
Methylene Chloride
 Concen: Below Cal
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW012999.D
 Acq: 14 Sep 2019 17:39

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	84	Resp:	7329
Ion	Ratio	Lower	Upper
84	100		
49	115.3	102.0	153.0
51	39.2	34.0	51.0
86	50.0	48.5	72.7



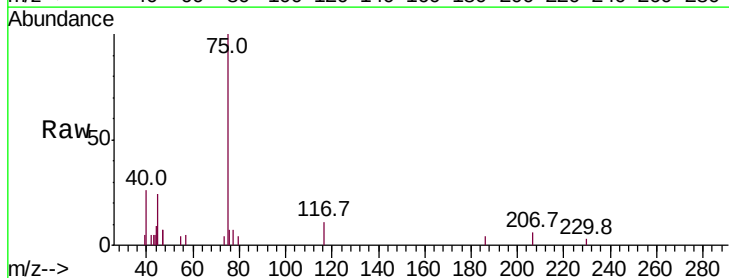
Abundance Ion 83.90 (83.60 to 84.60): VW
 Ion 48.90 (48.60 to 49.60): VW
 Ion 50.90 (50.60 to 51.60): VW
 Ion 85.90 (85.60 to 86.60): VW



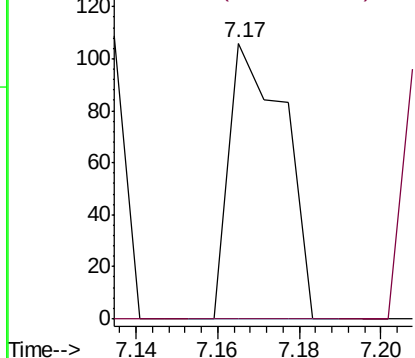
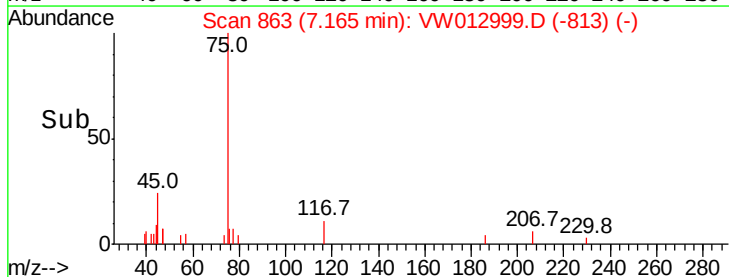
#26

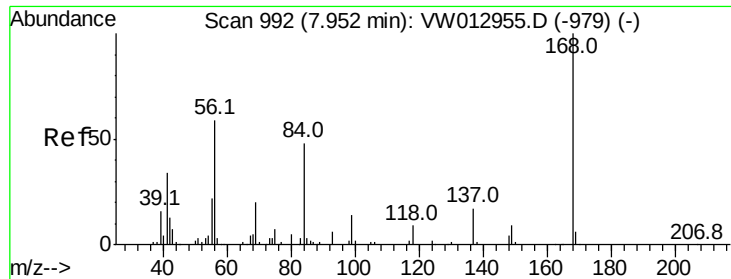
2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW012999.D
 Acq: 14 Sep 2019 17:39

Tgt Ion:	77	Resp:	100
Ion	Ratio	Lower	Upper
77	100		
97	0.0	10.7	32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW
 Ion 96.90 (96.60 to 97.60): VW

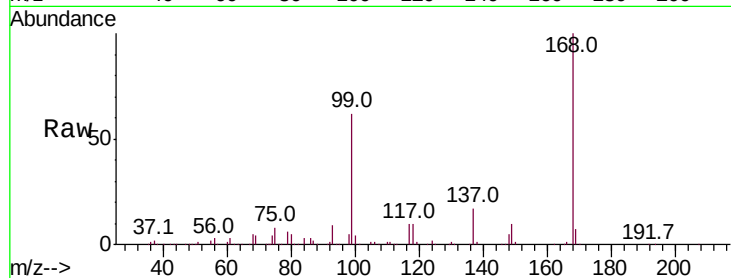




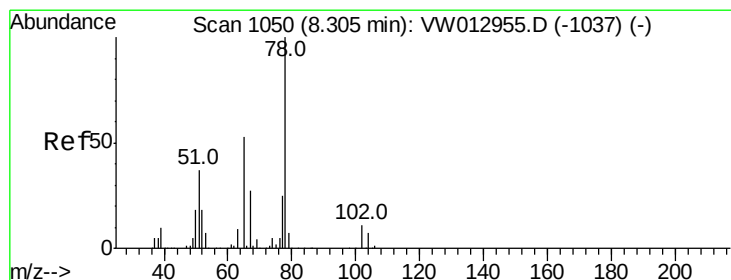
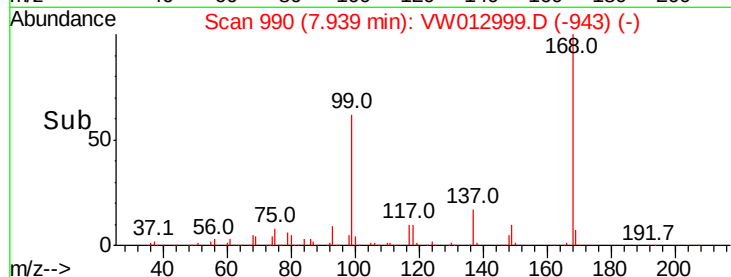
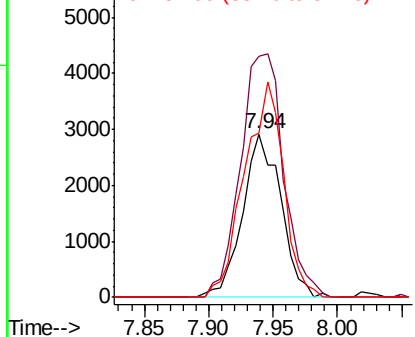
#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012999.D
Acq: 14 Sep 2019 17:39

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 6017
Ion Ratio Lower Upper
56 100
69 147.6 27.0 40.6#
84 100.1 66.2 99.2#

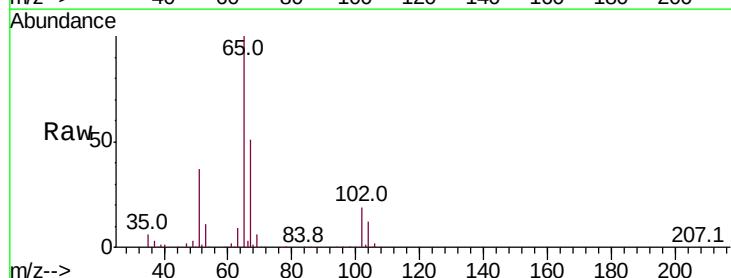


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

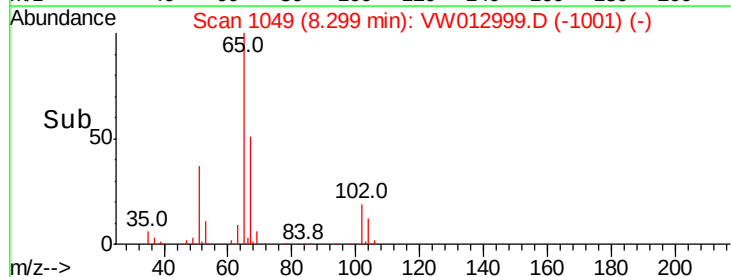
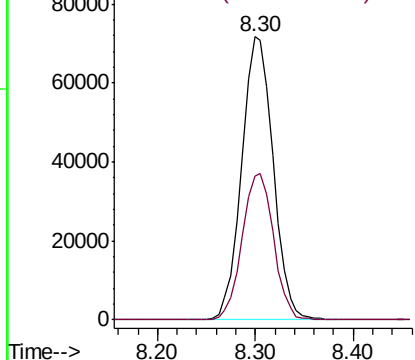


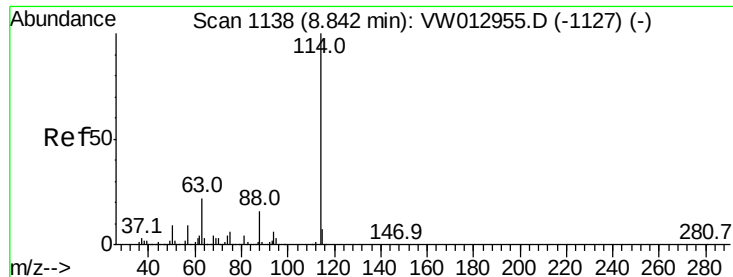
#33
1,2-Dichloroethane-d4
Concen: 61.545 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW012999.D
Acq: 14 Sep 2019 17:39

Tgt Ion: 65 Resp: 159817
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012999.D

Acq: 14 Sep 2019 17:39

Instrument :

MSVOA_W

ClientSampleId :

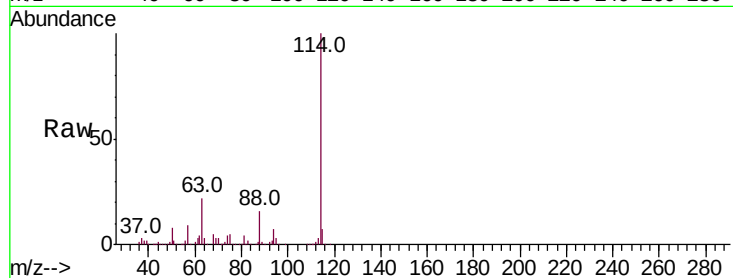
Tot Ion:114 Resp: 462545

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.4

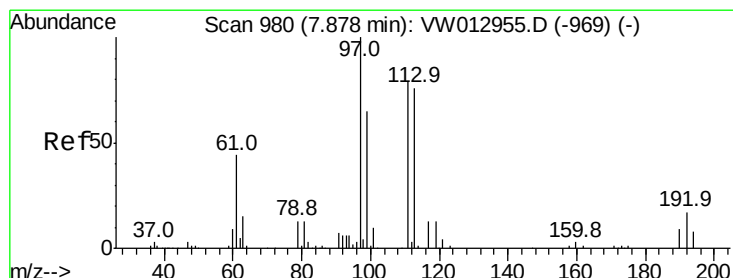
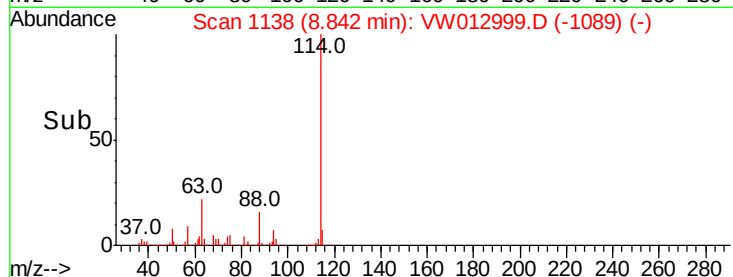
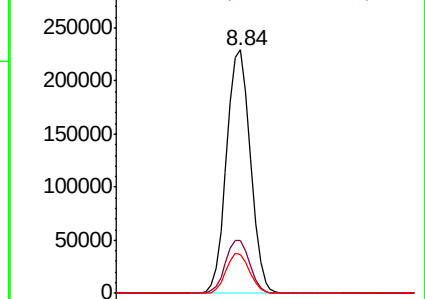
88 15.9 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 53.303 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW012999.D

Acq: 14 Sep 2019 17:39

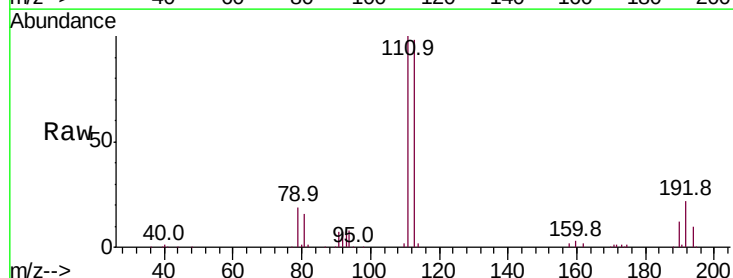
Tgt Ion:113 Resp: 133781

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

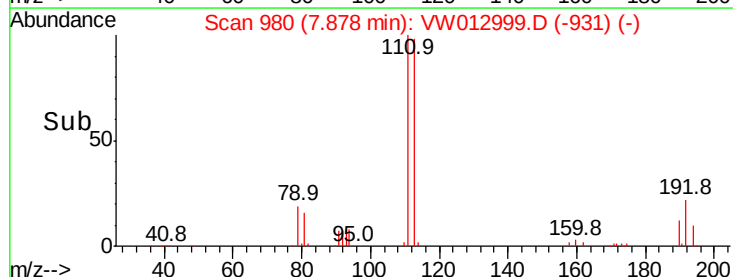
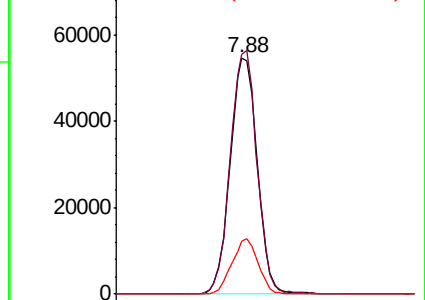
192 22.6 17.8 26.8

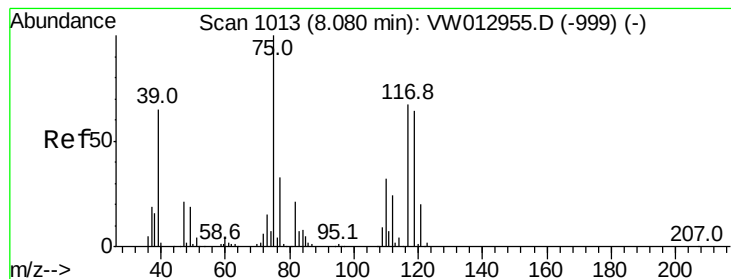


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.609 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012999.D

Acq: 14 Sep 2019 17:39

Instrument :

MSVOA_W

ClientSampleId :

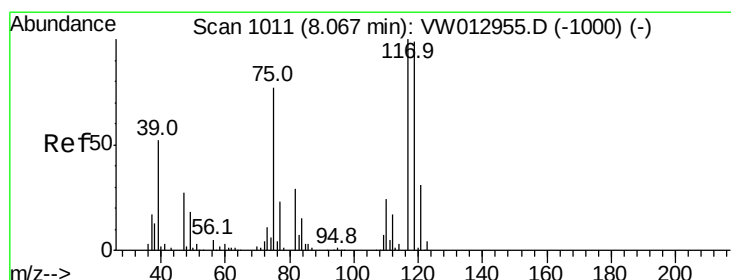
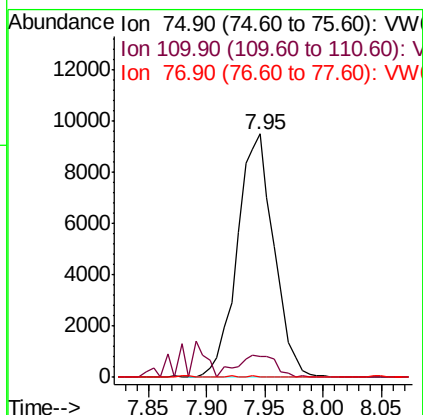
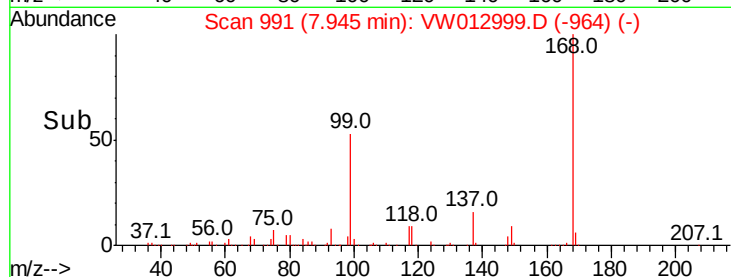
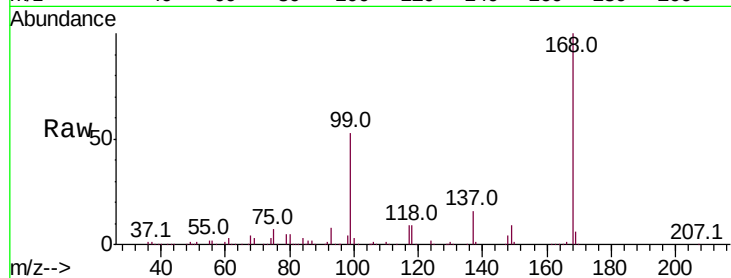
Tot Ion: 75 Resp: 20731

Ion Ratio Lower Upper

75 100

110 9.9 16.4 49.1#

77 0.1 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.953 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012999.D

Acq: 14 Sep 2019 17:39

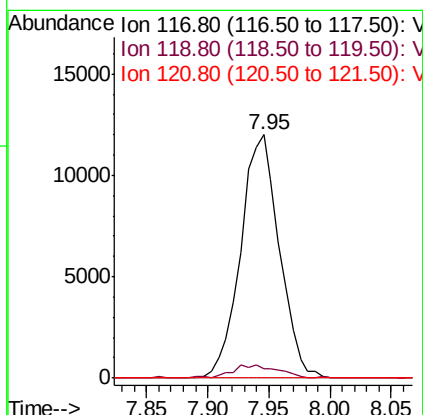
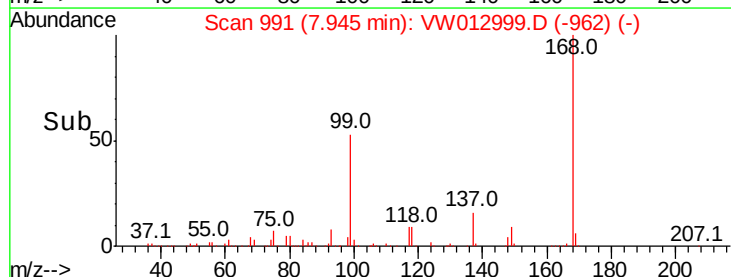
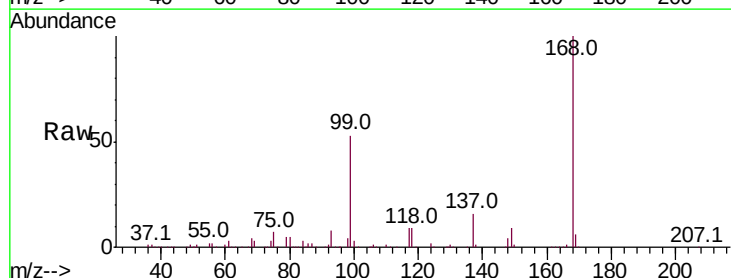
Tgt Ion: 117 Resp: 26336

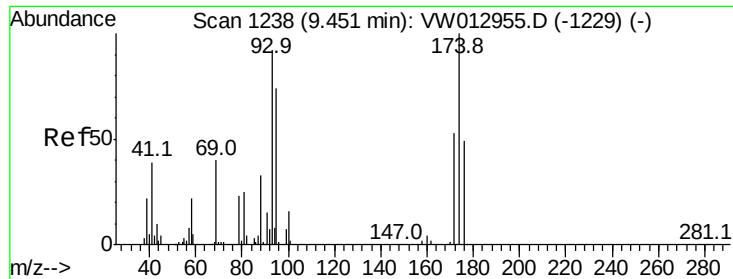
Ion Ratio Lower Upper

117 100

119 4.0 79.4 119.0#

121 0.0 24.6 36.8#

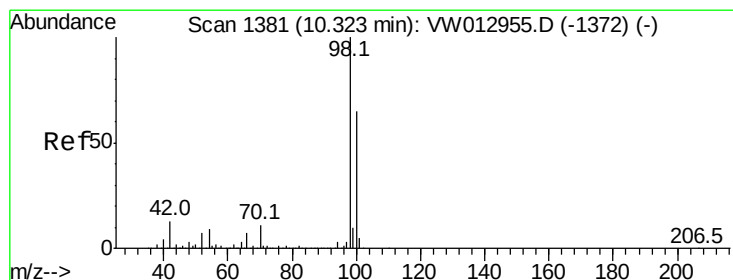
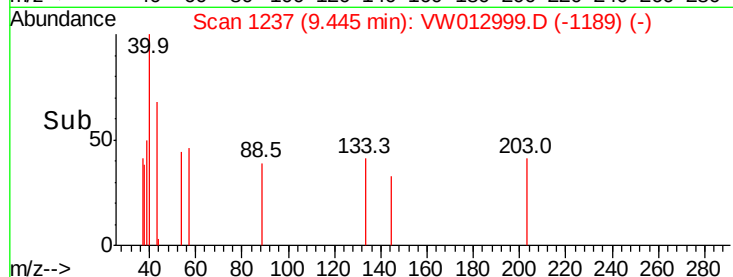
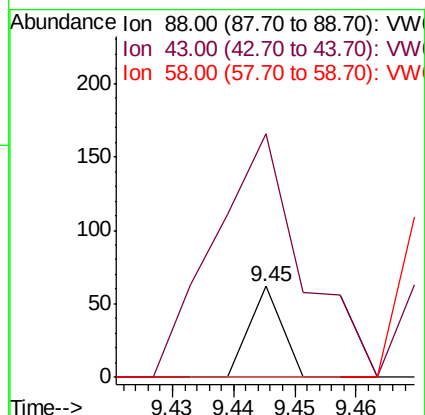
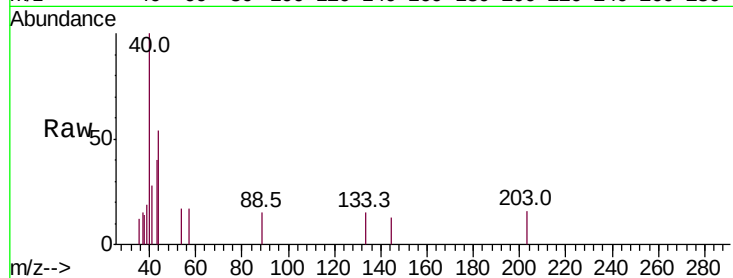




#49
1,4-Dioxane
Concen: 1.045 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012999.D
Acq: 14 Sep 2019 17:39

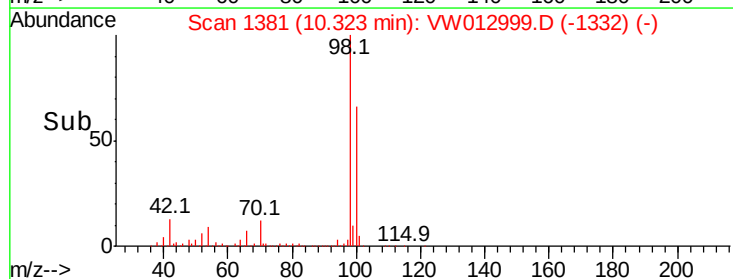
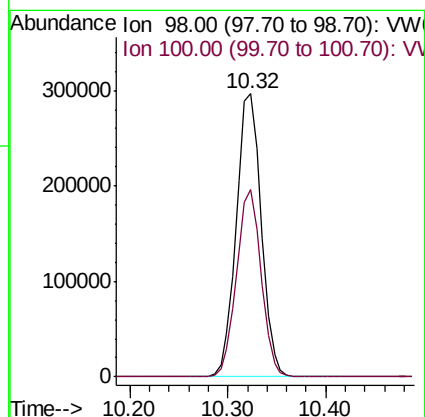
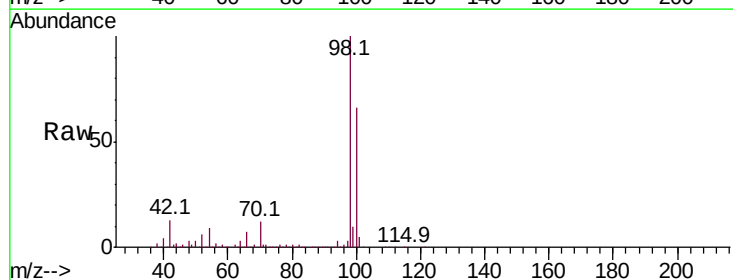
Instrument :
MSVOA_W
ClientSampleId :

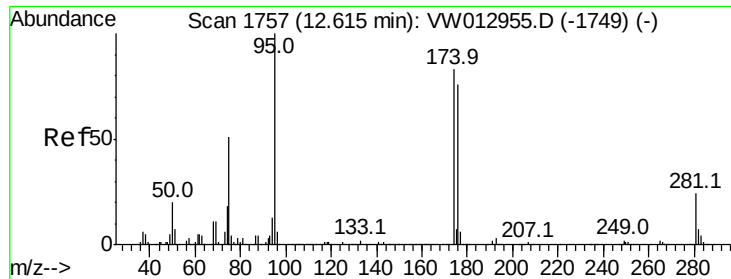
Tot Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 721.7 31.3 46.9#
58 0.0 60.2 90.2#



#50
Toluene-d8
Concen: 53.637 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012999.D
Acq: 14 Sep 2019 17:39

Tgt Ion: 98 Resp: 526781
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1

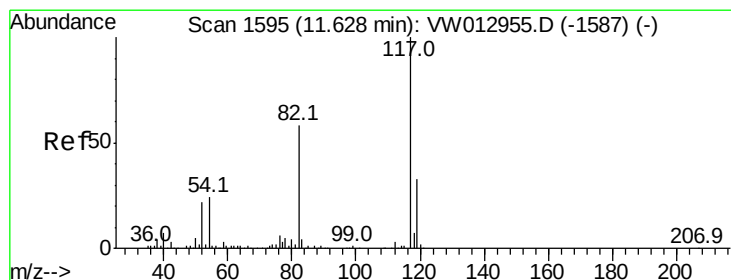
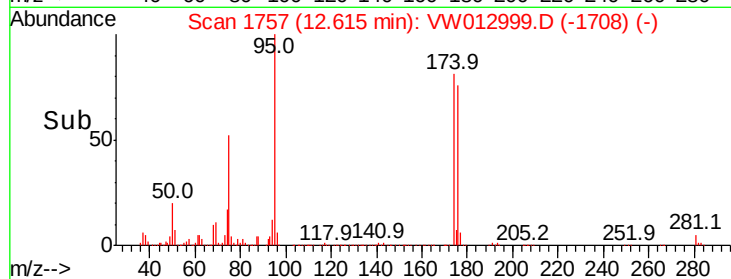
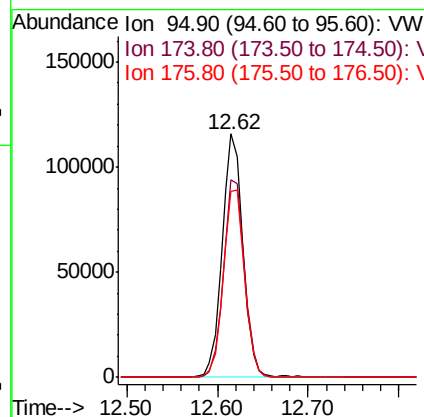
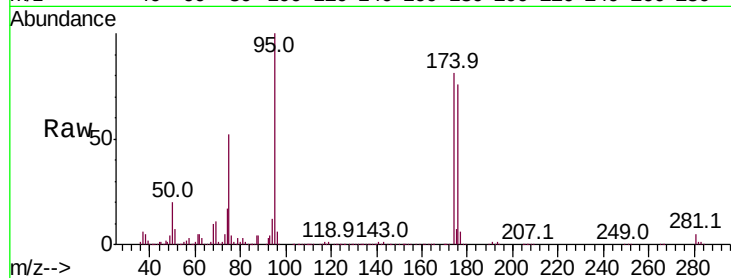




#62
4-Bromofluorobenzene
Concen: 52.216 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012999.D
Acq: 14 Sep 2019 17:39

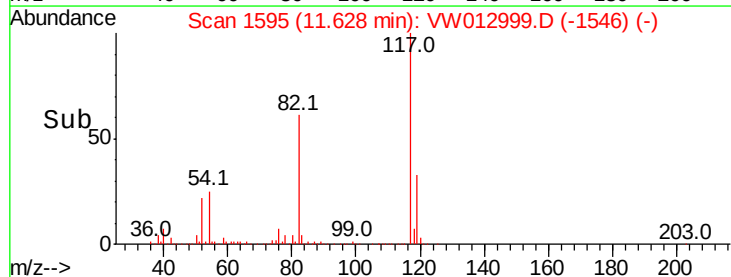
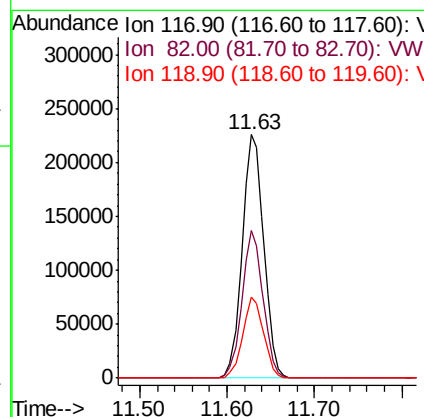
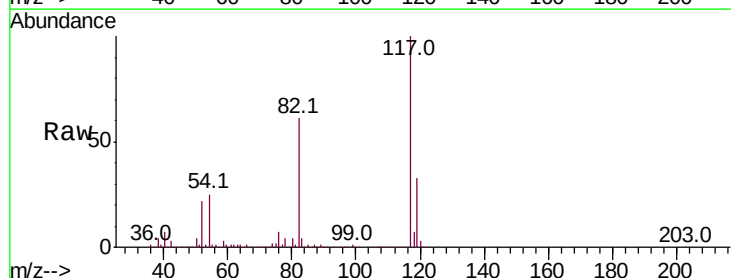
Instrument :
MSVOA_W
ClientSampleId :

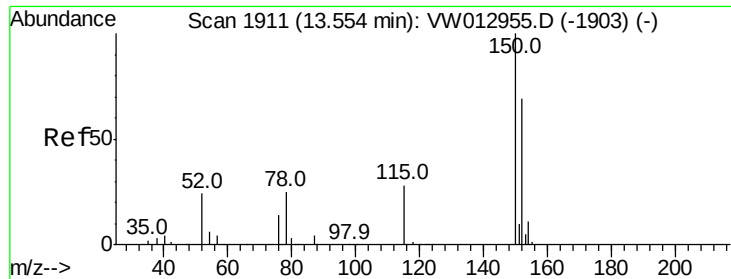
Tot Ion: 95 Resp: 184401
Ion Ratio Lower Upper
95 100
174 82.1 0.0 170.4
176 78.5 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012999.D
Acq: 14 Sep 2019 17:39

Tgt Ion: 117 Resp: 387267
Ion Ratio Lower Upper
117 100
82 60.5 46.3 69.5
119 33.2 26.2 39.4

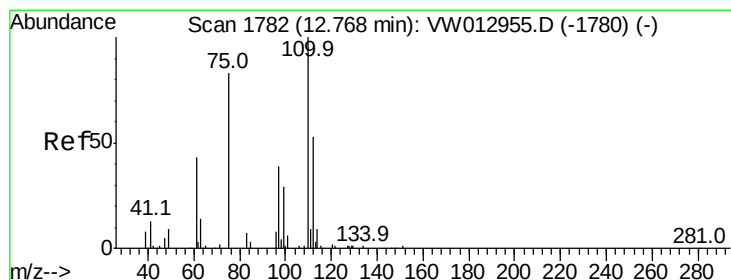
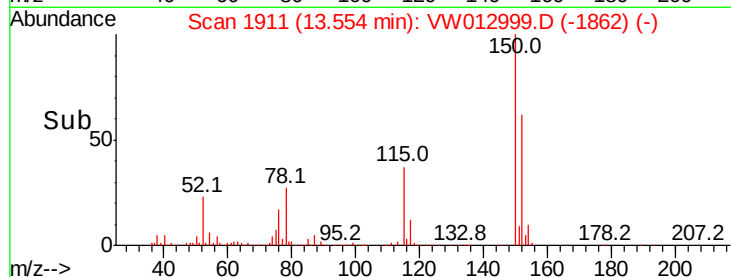
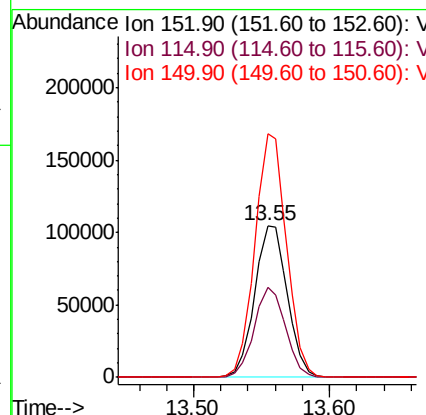
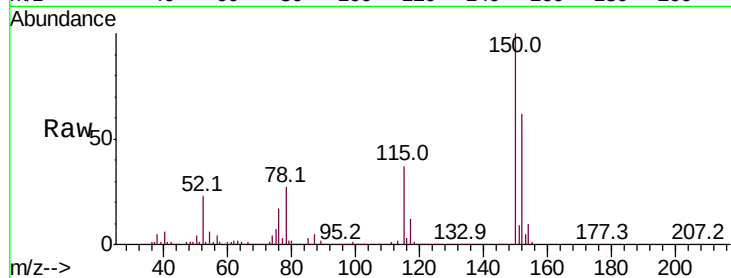




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.00 min
 Lab File: VW012999.D
 Acq: 14 Sep 2019 17:39

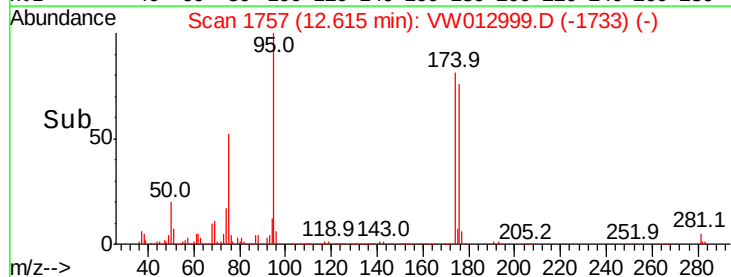
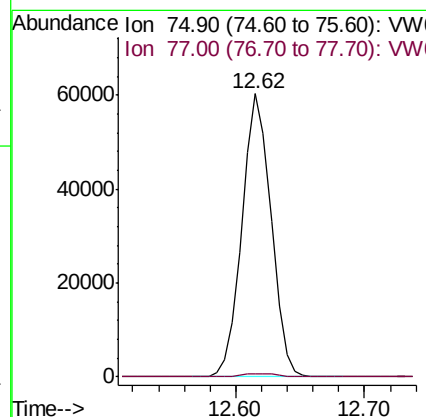
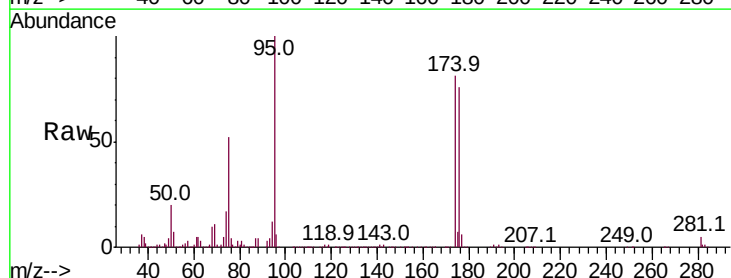
Instrument :
 MSVOA_W
 ClientSampled :

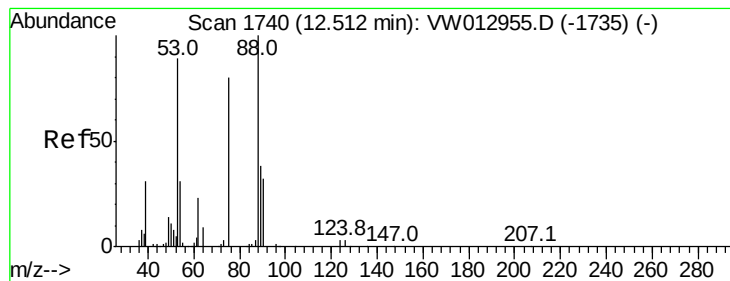
Tot Ion:152 Resp: 175885
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.8 86.4
 150 156.0 0.0 340.2



#76
 1,2,3-Trichloropropane
 Concen: 61.203 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012999.D
 Acq: 14 Sep 2019 17:39

Tgt Ion: 75 Resp: 94290
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 138.838 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012999.D

Acq: 14 Sep 2019 17:39

Instrument :

MSVOA_W

ClientSampleId :

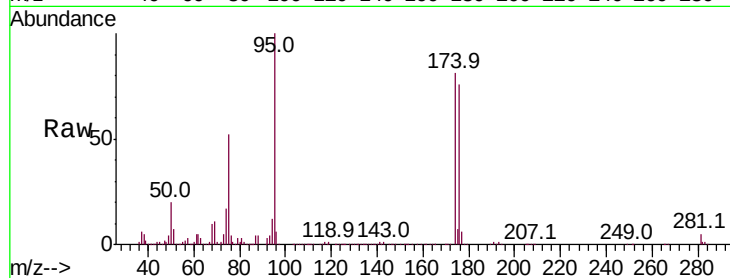
Tot Ion: 75 Resp: 94290

Ion Ratio Lower Upper

75 100

53 0.2 85.6 128.4#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

