

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013006.D
 Acq On : 14 Sep 2019 20:40
 Operator : SY/VA
 Sample : K4786-01
 Misc : 7.36G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:55:10 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	268135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402966	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	140674	50.00	ug/l	0.00

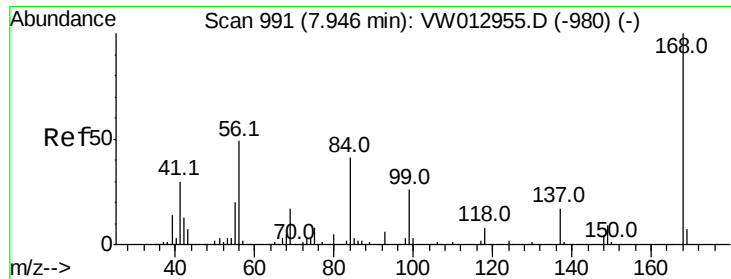
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	137583	55.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.12%	
35) Dibromofluoromethane	7.88	113	114126	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
50) Toluene-d8	10.32	98	470480	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	
62) 4-Bromofluorobenzene	12.62	95	148385	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	33	Below Cal	#	44
3) Chloromethane	2.20	50	379	Below Cal	#	86
11) Tert butyl alcohol	5.12	59	998	Below Cal	#	72
13) Acrolein	3.95	56	25	Below Cal	#	15
16) Acetone	4.15	43	755	Below Cal	#	47
20) Methylene Chloride	4.90	84	3622	Below Cal	#	94
26) 2,2-Dichloropropane	7.16	77	237	Below Cal	#	55
31) Cyclohexane	7.94	56	5423	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	19581	6.081 ug/l	#	51
38) Carbon Tetrachloride	7.95	117	24914	7.550 ug/l	#	14
49) 1,4-Dioxane	9.22	88	21	1.095 ug/l	#	1
51) 4-Methyl-2-Pentanone	10.32	43	2479	1.463 ug/l	#	1
76) 1,2,3-Trichloropropane	12.62	75	76226	61.862 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76226	140.333 ug/l	#	7

(#) = 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. -0.00 min

Lab File: VW013006.D

Acq: 14 Sep 2019 20:40

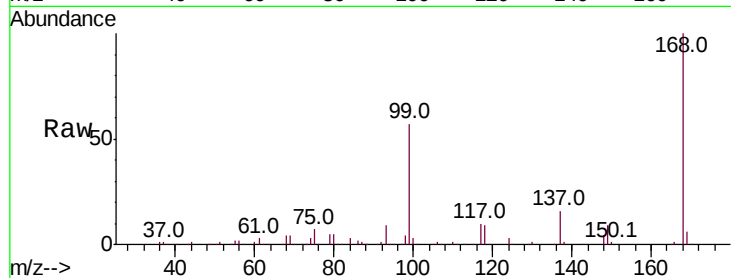
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 268135

Ion Ratio Lower Upper

168 100

99 56.6 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

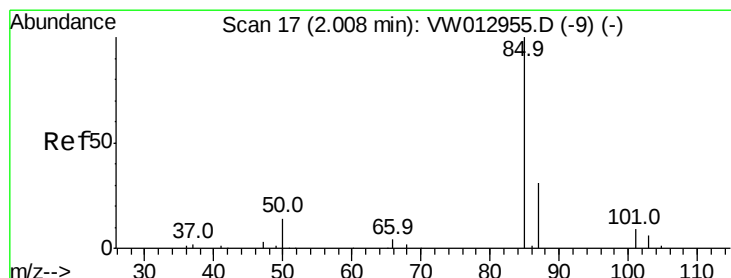
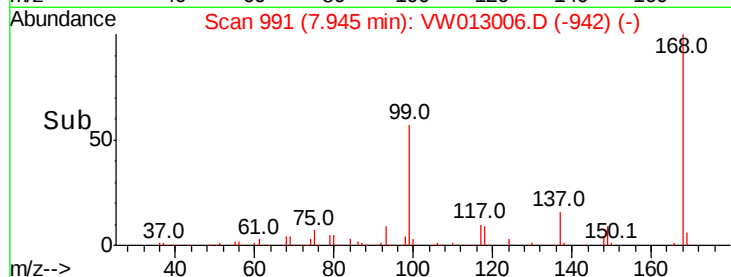
100000

50000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013006.D

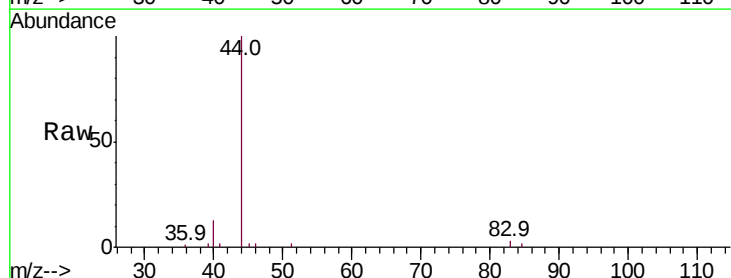
Acq: 14 Sep 2019 20:40

Tgt Ion: 85 Resp: 33

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

2.00

100

80

60

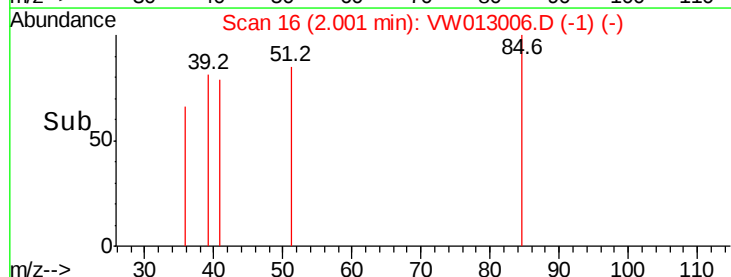
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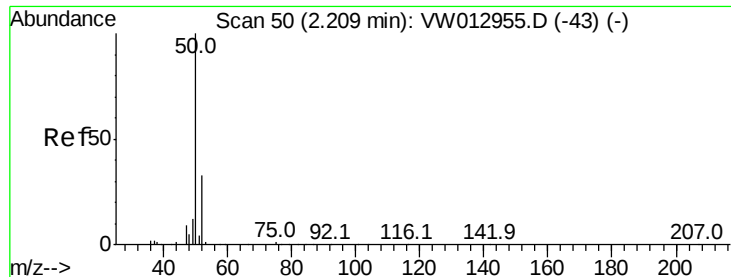
20

0

Time-->

1.98 1.99 2.00 2.01 2.02





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VW013006.D

Acq: 14 Sep 2019 20:40

Instrument :

MSVOA_W

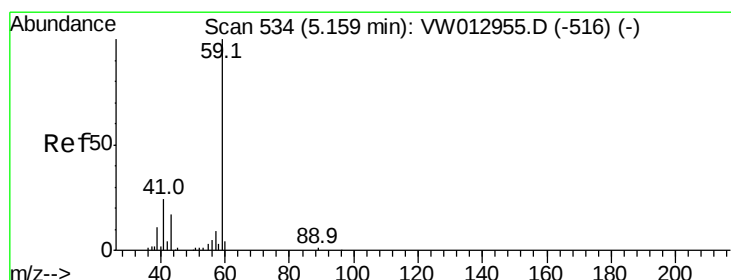
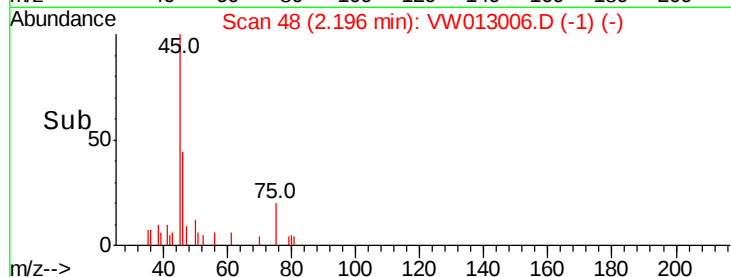
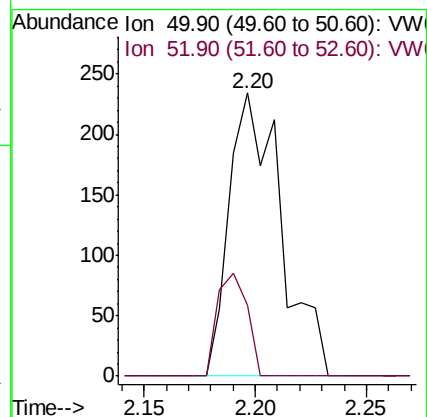
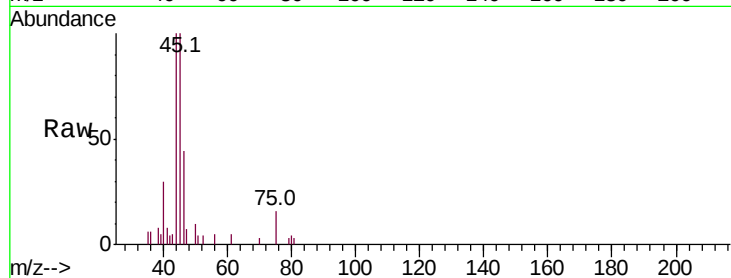
ClientSampled :

Tot Ion: 50 Resp: 379

Ion Ratio Lower Upper

50 100

52 25.2 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW013006.D

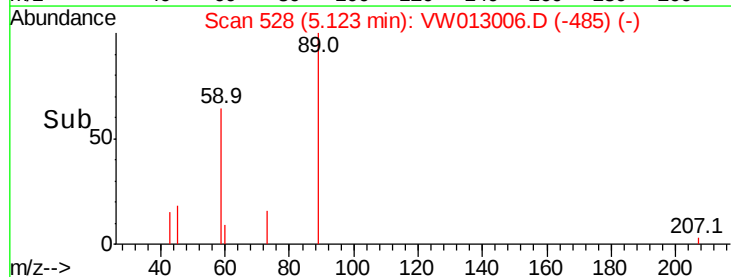
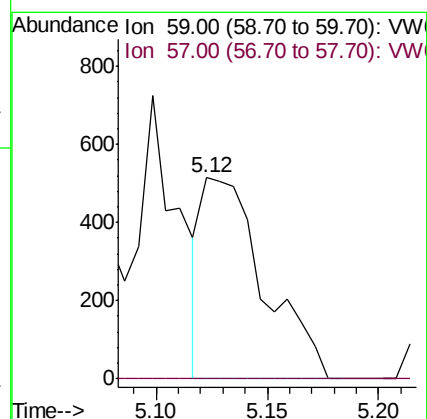
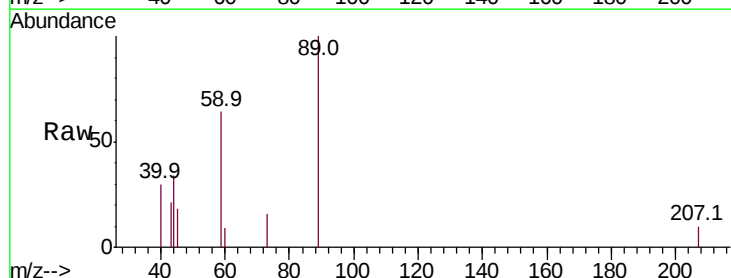
Acq: 14 Sep 2019 20:40

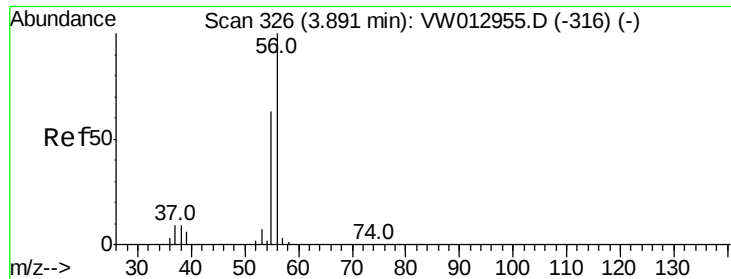
Tgt Ion: 59 Resp: 998

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.95 min Scan# 335

Delta R.T. 0.05 min

Lab File: VW013006.D

Acq: 14 Sep 2019 20:40

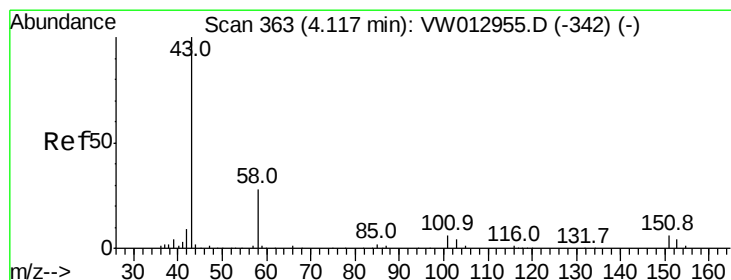
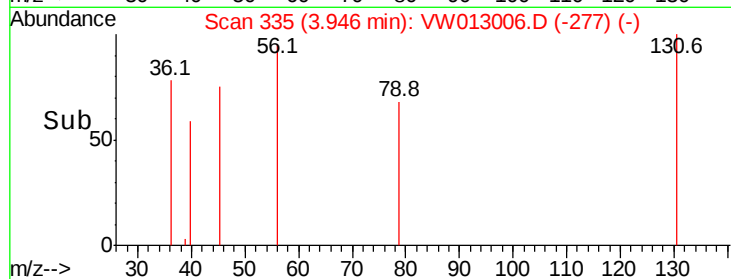
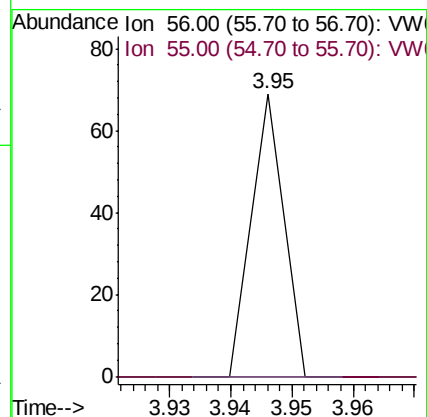
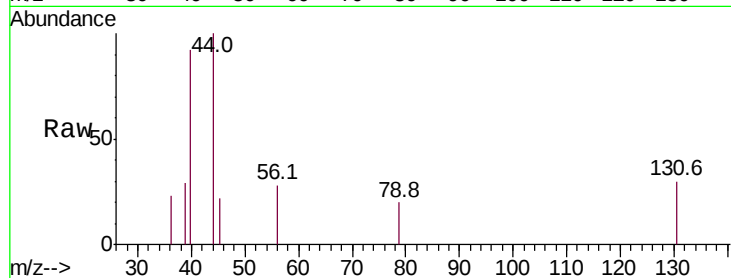
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 25

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW013006.D

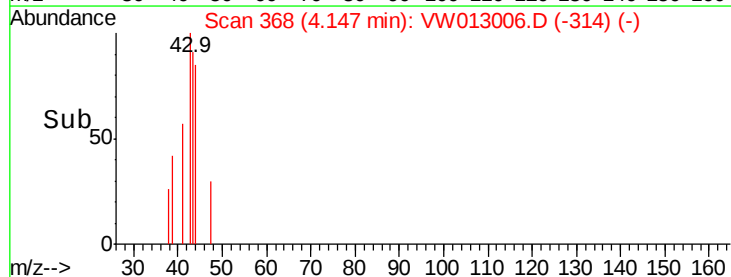
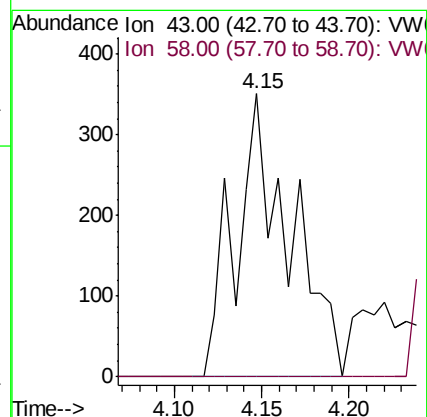
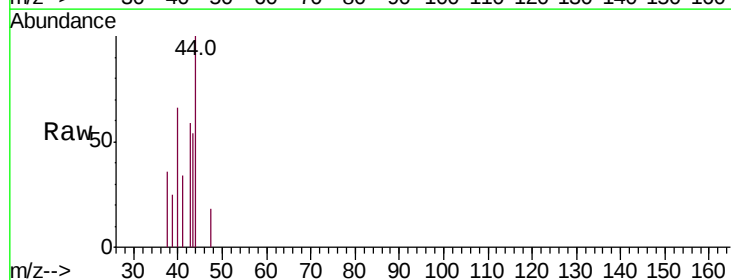
Acq: 14 Sep 2019 20:40

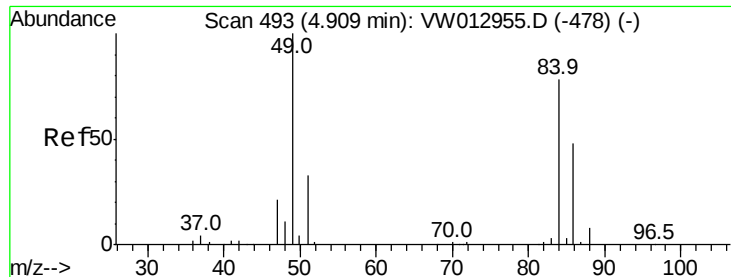
Tgt Ion: 43 Resp: 755

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013006.D

Acq: 14 Sep 2019 20:40

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 3622

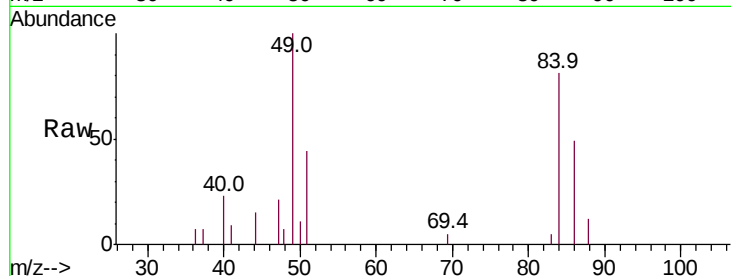
Ion Ratio Lower Upper

84 100

49 122.9 102.0 153.0

51 54.4 34.0 51.0#

86 60.8 48.5 72.7

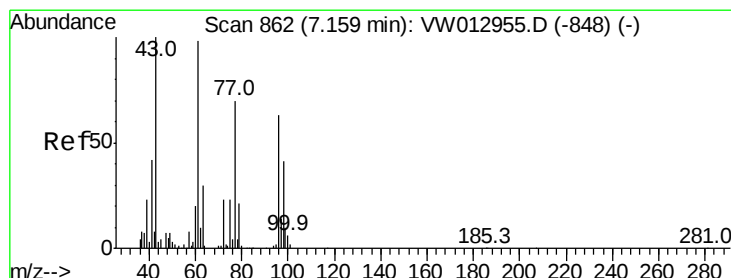
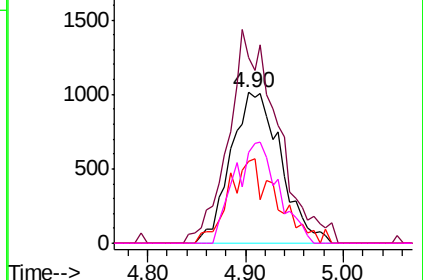
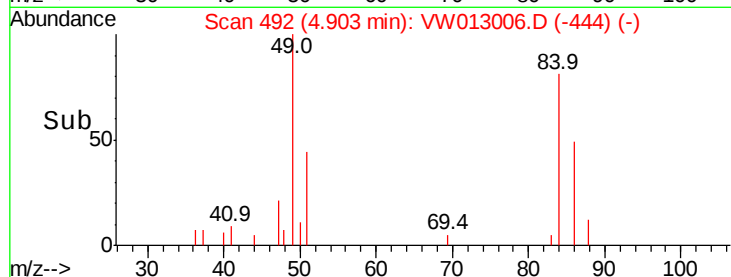


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013006.D

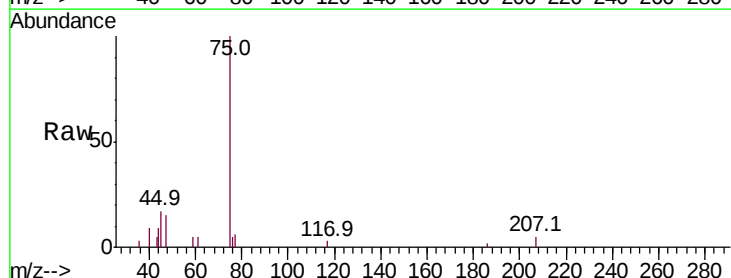
Acq: 14 Sep 2019 20:40

Tgt Ion: 77 Resp: 237

Ion Ratio Lower Upper

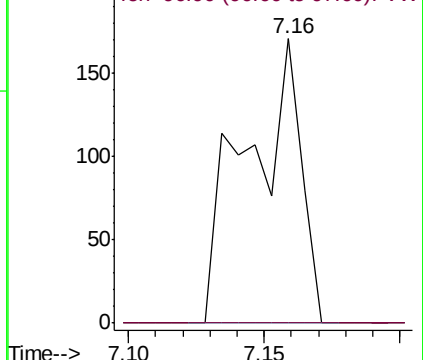
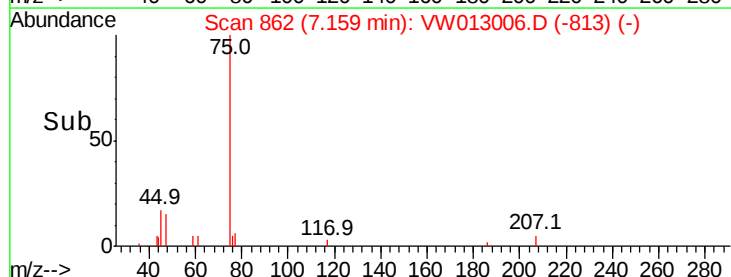
77 100

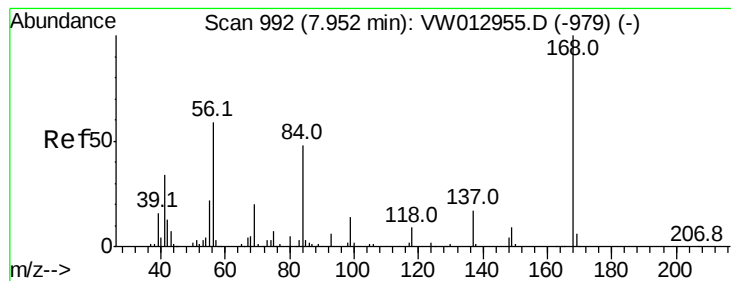
97 0.0 10.7 32.1#



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

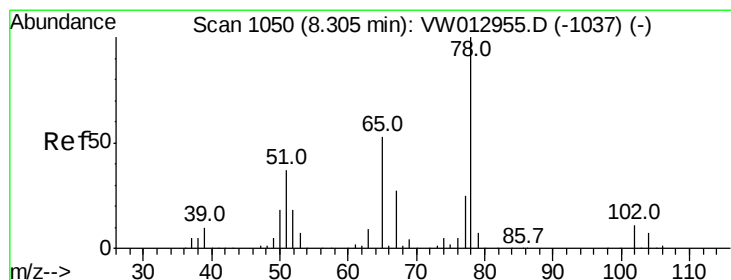
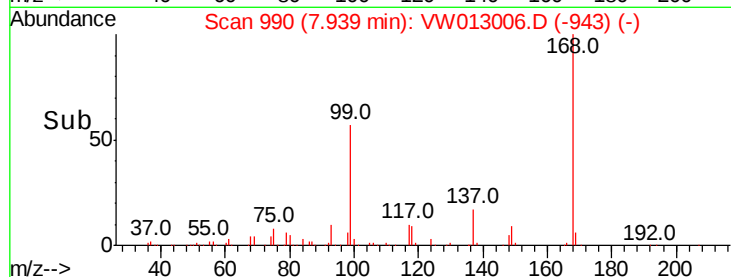
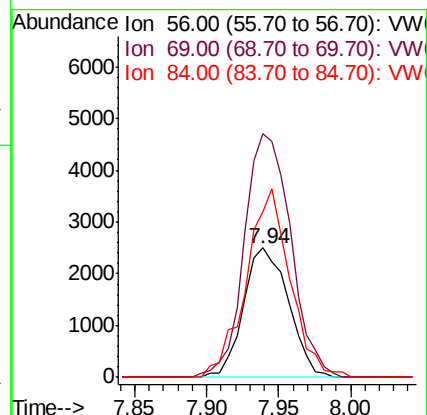
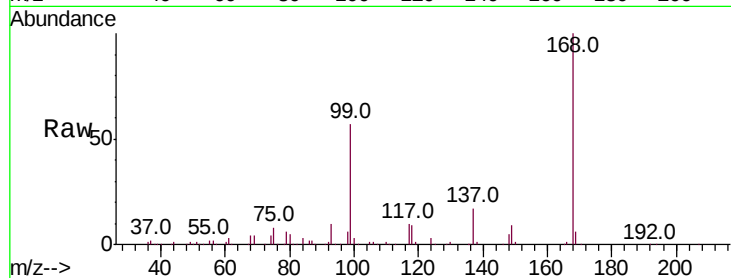
Lab File: VW013006.D

Acq: 14 Sep 2019 20:40

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5423

Ion	Ratio	Lower	Upper
56	100		
69	188.0	27.0	40.6#
84	127.9	66.2	99.2#



#33

1,2-Dichloroethane-d4

Concen: 55.557 ug/l

RT: 8.30 min Scan# 1049

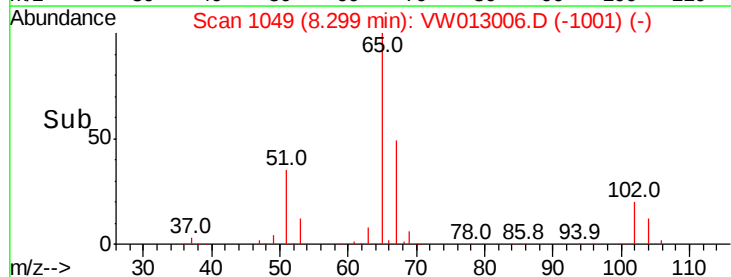
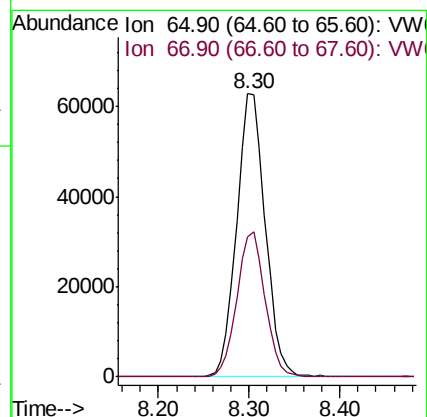
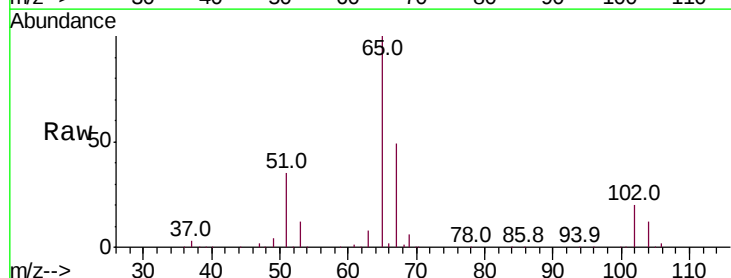
Delta R.T. -0.01 min

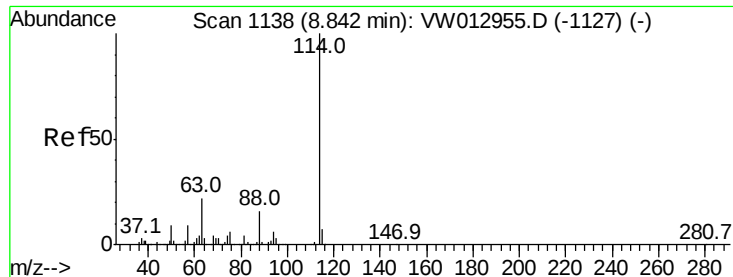
Lab File: VW013006.D

Acq: 14 Sep 2019 20:40

Tgt Ion: 65 Resp: 137583

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.2

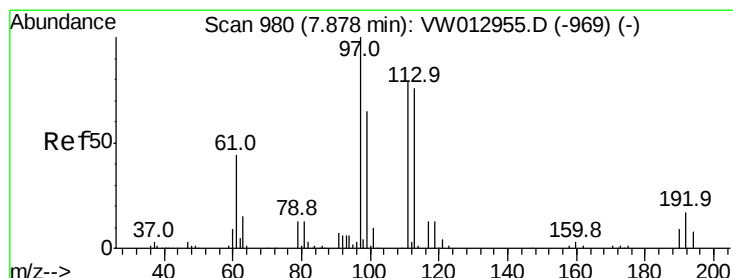
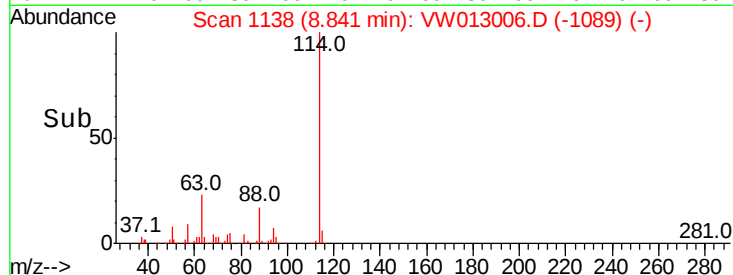
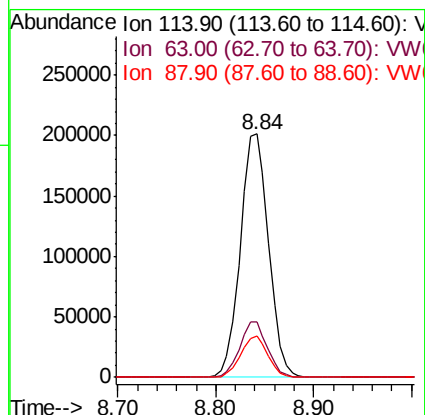
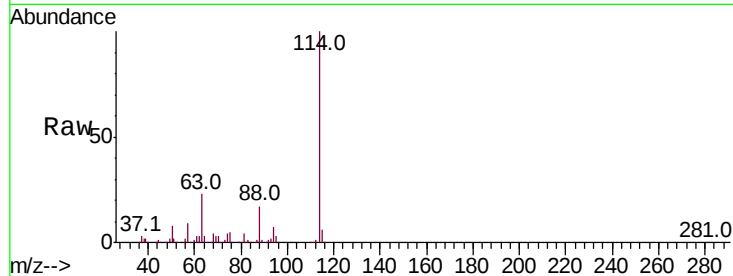




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013006.D
Acq: 14 Sep 2019 20:40

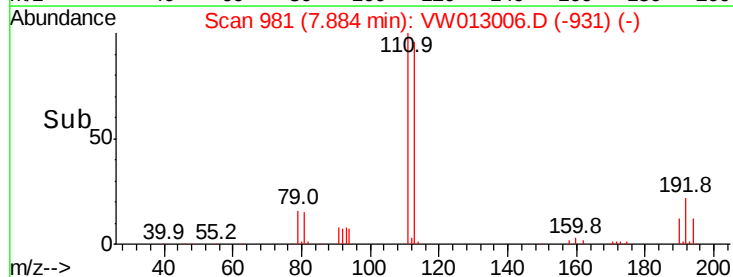
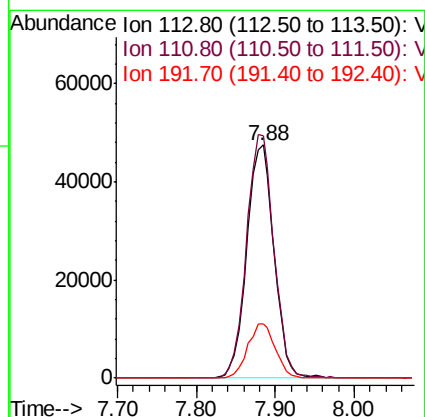
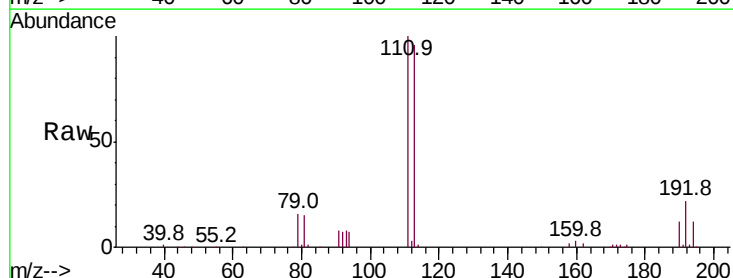
Instrument :
MSVOA_W
ClientSampled :

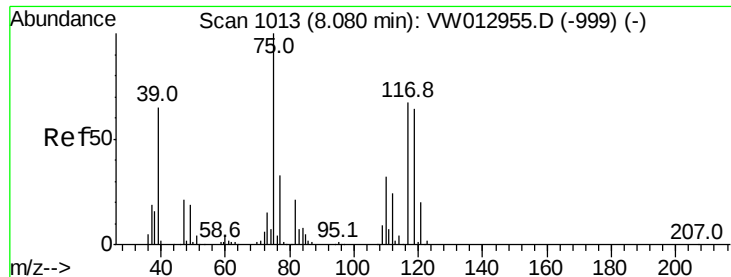
Tot Ion:114 Resp: 402966
Ion Ratio Lower Upper
114 100
63 22.5 0.0 43.4
88 17.0 0.0 31.6



#35
Dibromofluoromethane
Concen: 52.195 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW013006.D
Acq: 14 Sep 2019 20:40

Tgt Ion:113 Resp: 114126
Ion Ratio Lower Upper
113 100
111 105.1 82.8 124.2
192 23.5 17.8 26.8

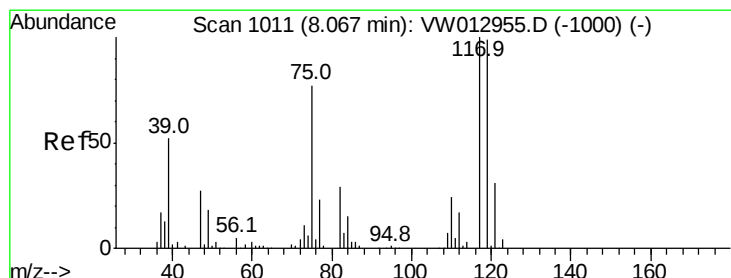
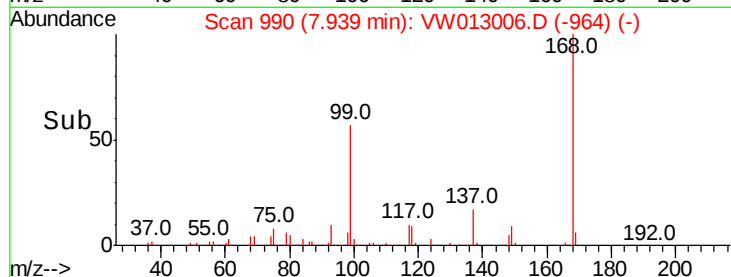
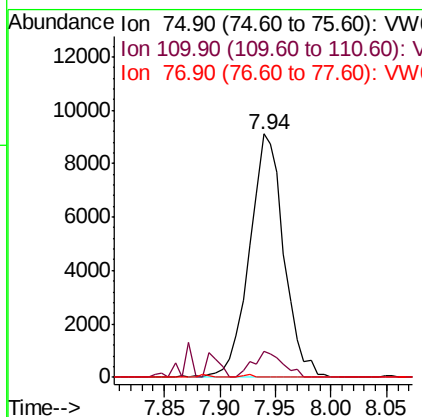
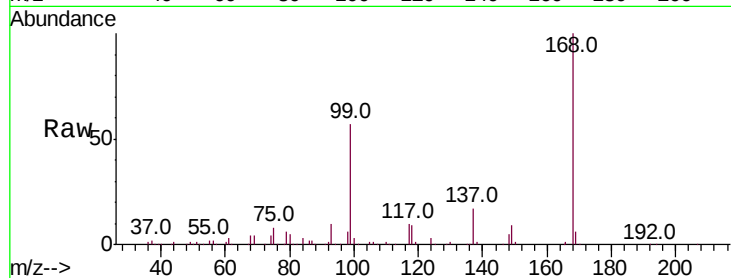




#36
 1,1-Dichloropropene
 Concen: 6.081 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013006.D
 Acq: 14 Sep 2019 20:40

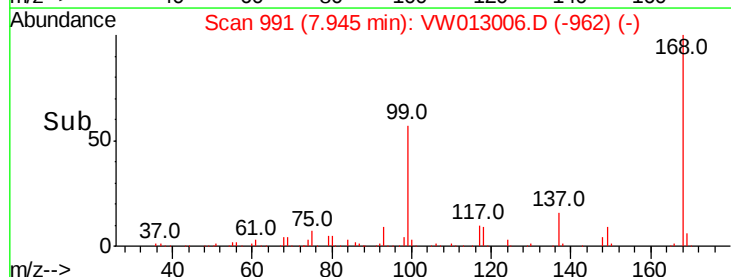
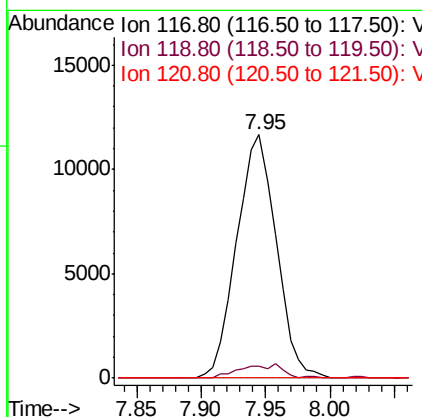
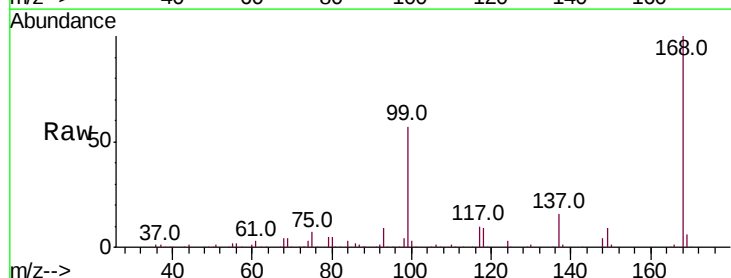
Instrument :
 MSVOA_W
 ClientSampleId :

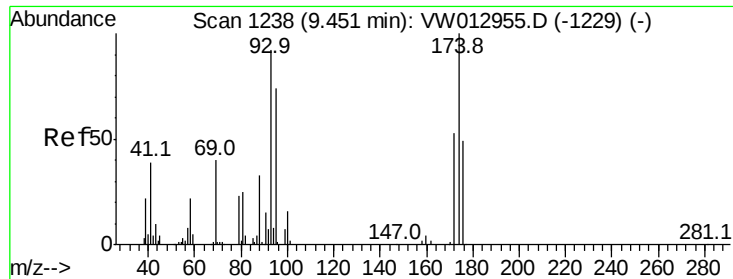
Tot Ion: 75 Resp: 19581
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.4 49.1#
 77 0.3 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.550 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013006.D
 Acq: 14 Sep 2019 20:40

Tgt Ion: 117 Resp: 24914
 Ion Ratio Lower Upper
 117 100
 119 4.7 79.4 119.0#
 121 0.0 24.6 36.8#

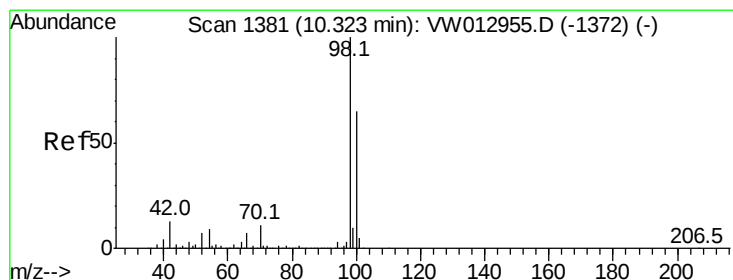
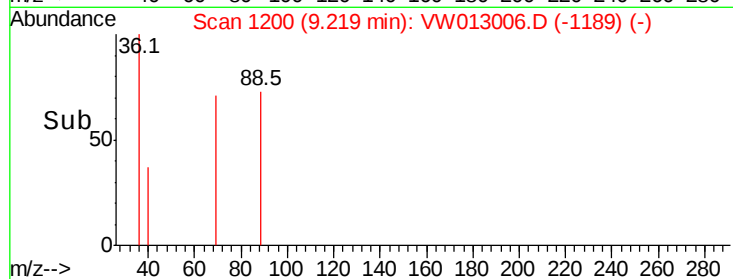
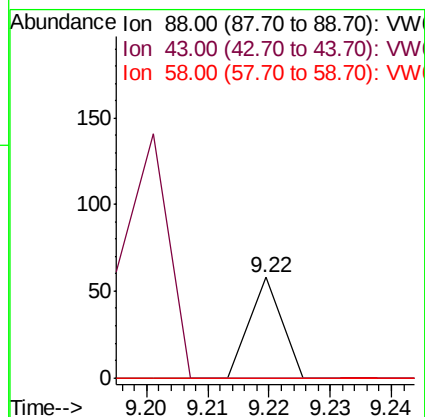
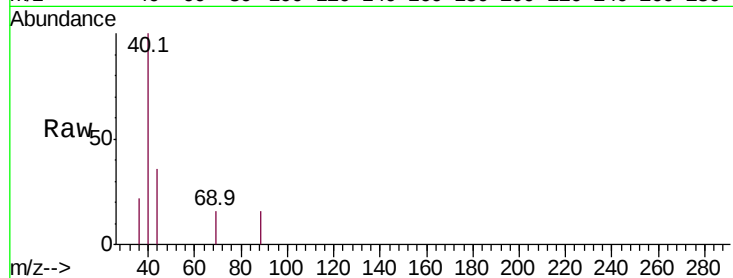




#49
 1,4-Dioxane
 Concen: 1.095 ug/l
 RT: 9.22 min Scan# 1200
 Delta R.T. -0.23 min
 Lab File: VW013006.D
 Acq: 14 Sep 2019 20:40

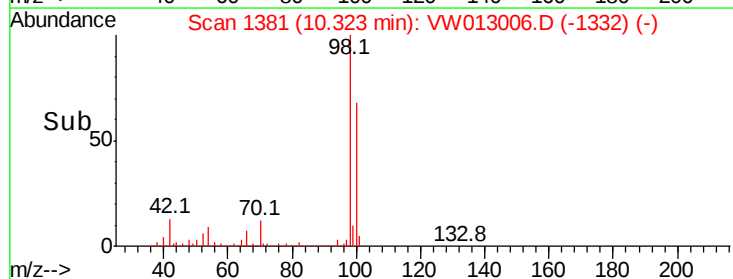
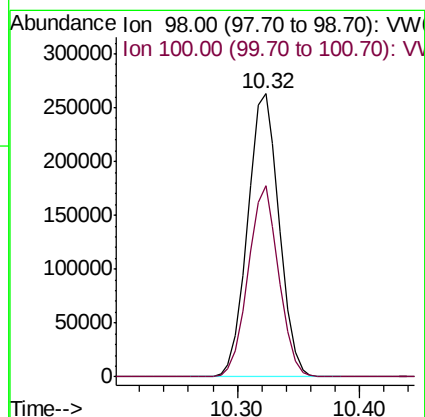
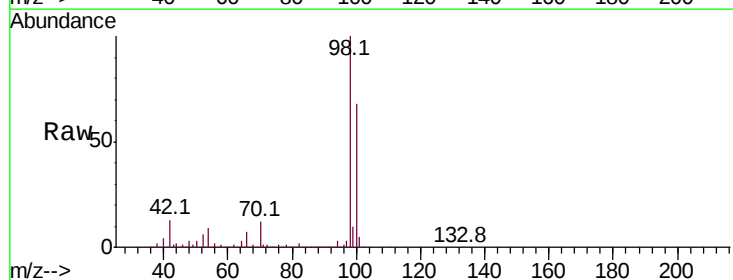
Instrument :
 MSVOA_W
 ClientSampleId :

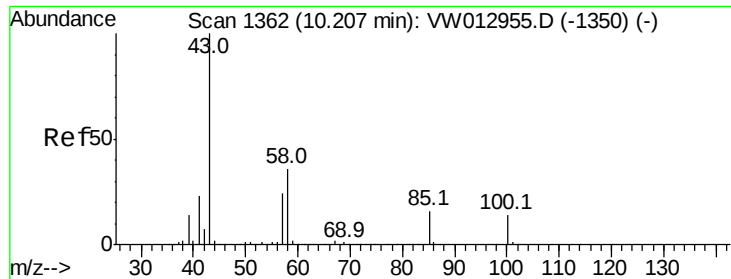
Tot Ion: 88 Resp: 21
 Ion Ratio Lower Upper
 88 100
 43 352.4 31.3 46.9#
 58 0.0 60.2 90.2#



#50
 Toluene-d8
 Concen: 54.987 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013006.D
 Acq: 14 Sep 2019 20:40

Tgt Ion: 98 Resp: 470480
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.463 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013006.D

Acq: 14 Sep 2019 20:40

Instrument :

MSVOA_W

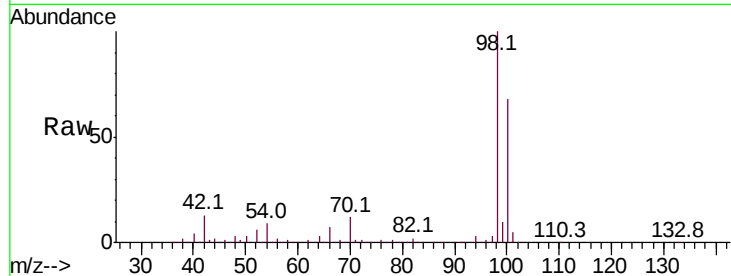
ClientSampled :

Tot Ion: 43 Resp: 2479

Ion Ratio Lower Upper

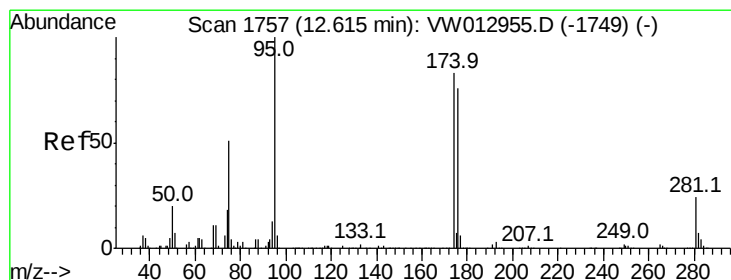
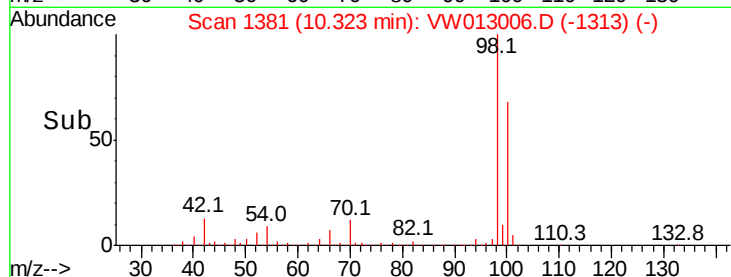
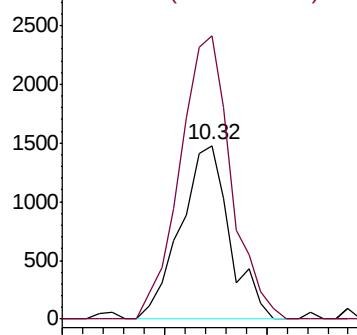
43 100

58 169.7 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 48.230 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013006.D

Acq: 14 Sep 2019 20:40

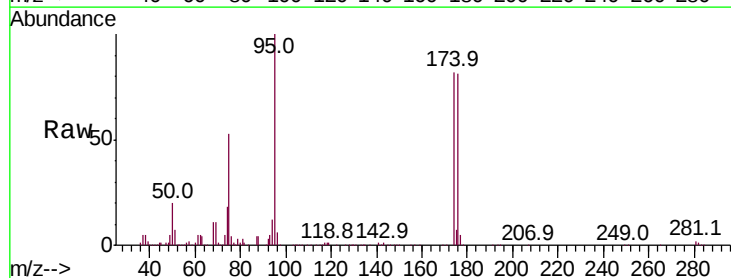
Tgt Ion: 95 Resp: 148385

Ion Ratio Lower Upper

95 100

174 85.2 0.0 170.4

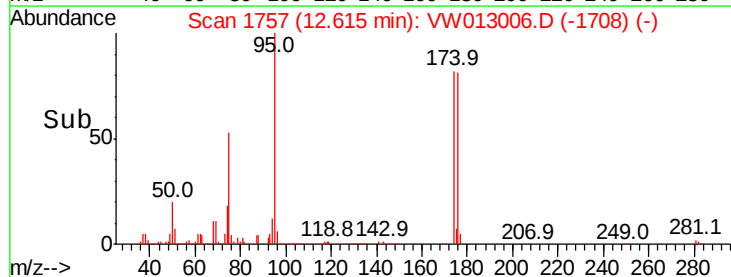
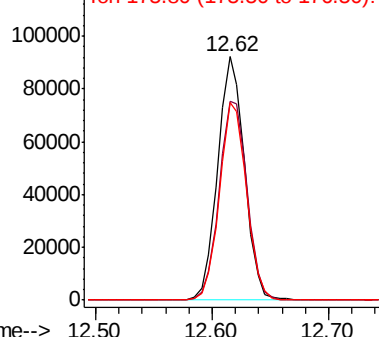
176 81.6 0.0 164.6

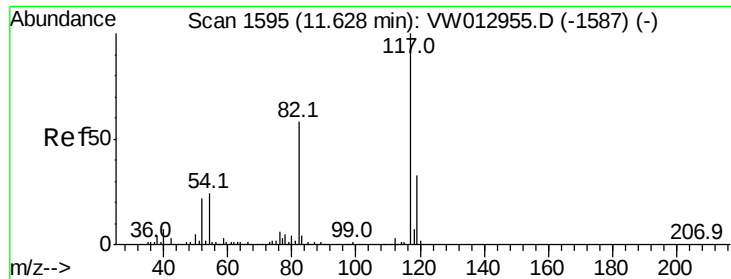


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

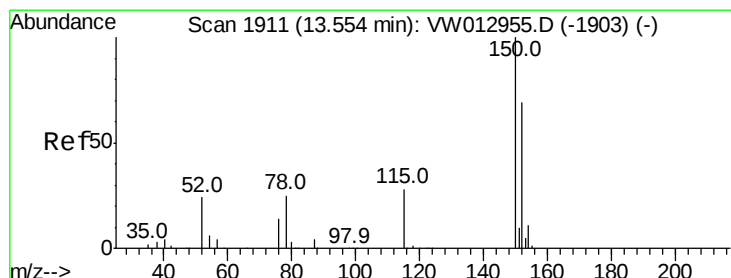
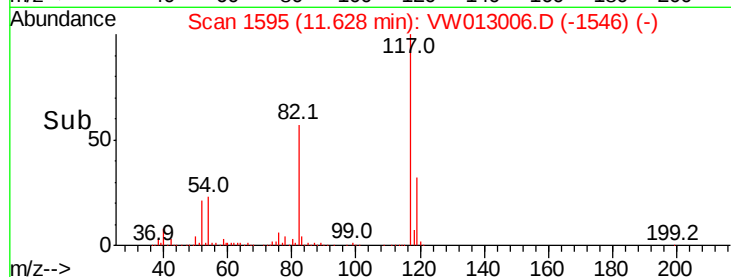
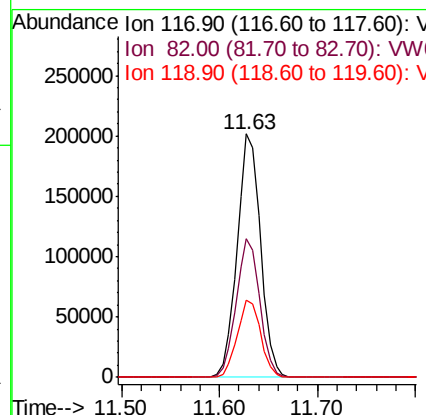
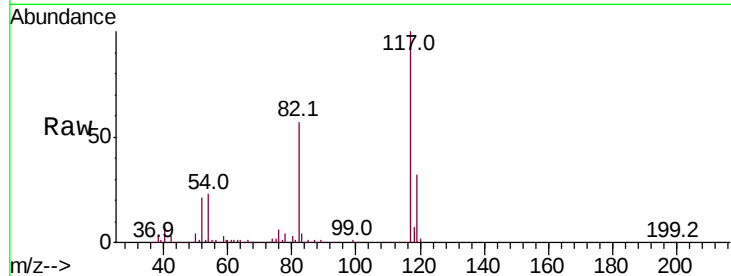




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013006.D
Acq: 14 Sep 2019 20:40

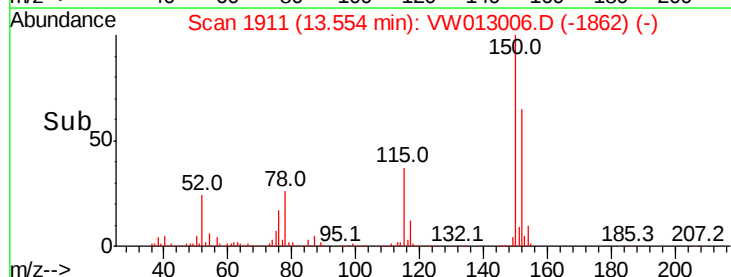
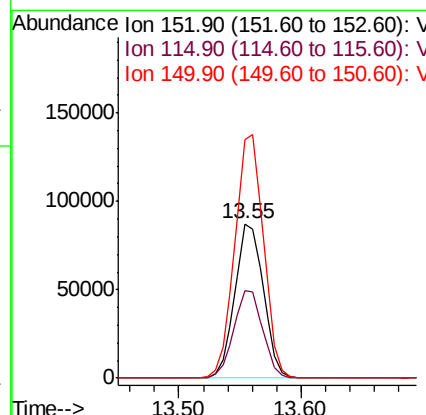
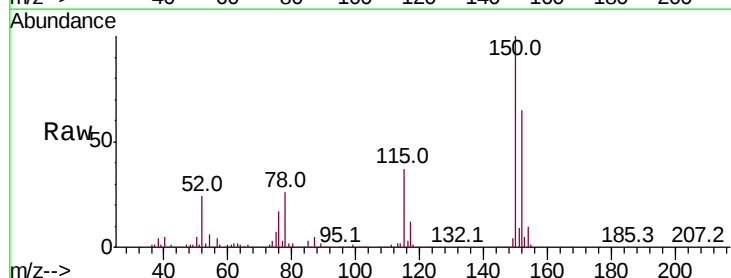
Instrument :
MSVOA_W
ClientSampleId :

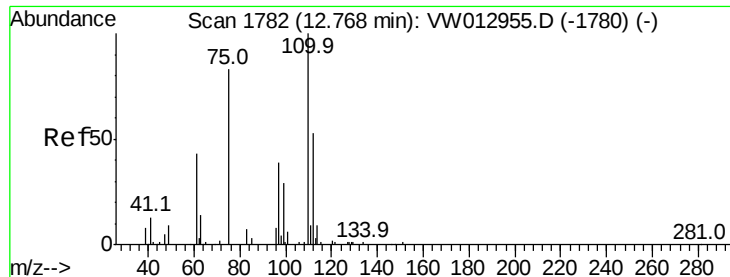
Tot Ion:117 Resp: 334973
Ion Ratio Lower Upper
117 100
82 56.8 46.3 69.5
119 31.7 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013006.D
Acq: 14 Sep 2019 20:40

Tgt Ion:152 Resp: 140674
Ion Ratio Lower Upper
152 100
115 57.4 28.8 86.4
150 158.2 0.0 340.2





#76

1,2,3-Trichloropropane

Concen: 61.862 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013006.D

Acq: 14 Sep 2019 20:40

Instrument :

MSVOA_W

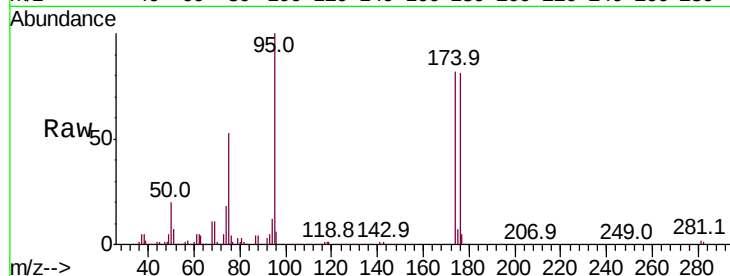
ClientSampled :

Tot Ion: 75 Resp: 76226

Ion Ratio Lower Upper

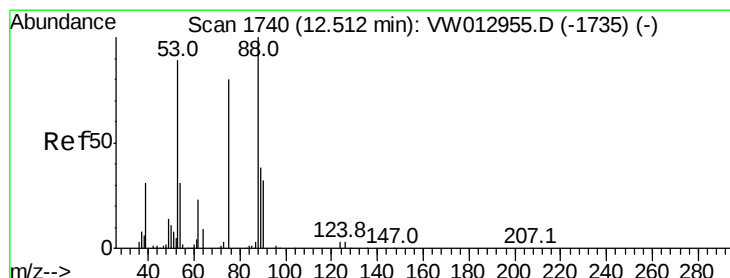
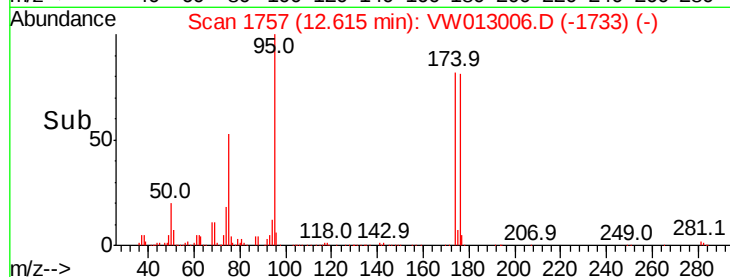
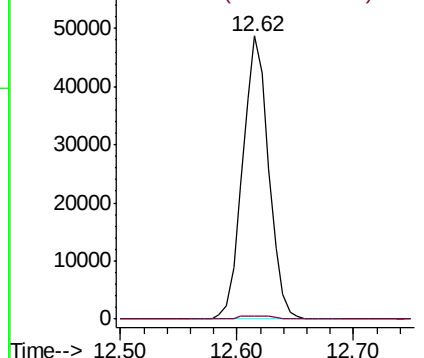
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 140.333 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013006.D

Acq: 14 Sep 2019 20:40

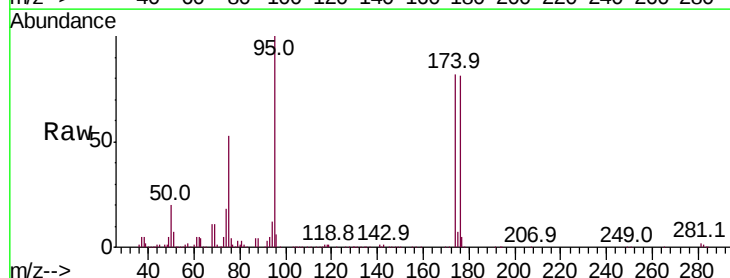
Tgt Ion: 75 Resp: 76226

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

