

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW012995.D
 Acq On : 14 Sep 2019 15:56
 Operator : SY/VA
 Sample : K4852-02
 Misc : 6.85G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:53:16 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	282102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	425951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	353497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	146089	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	153936	59.08	ug/l	0.00
Spiked Amount			Recovery	=	118.16%	
35) Dibromofluoromethane	7.88	113	127682	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
50) Toluene-d8	10.32	98	504691	55.80	ug/l	0.00
Spiked Amount			Recovery	=	111.60%	
62) 4-Bromofluorobenzene	12.62	95	157730	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	

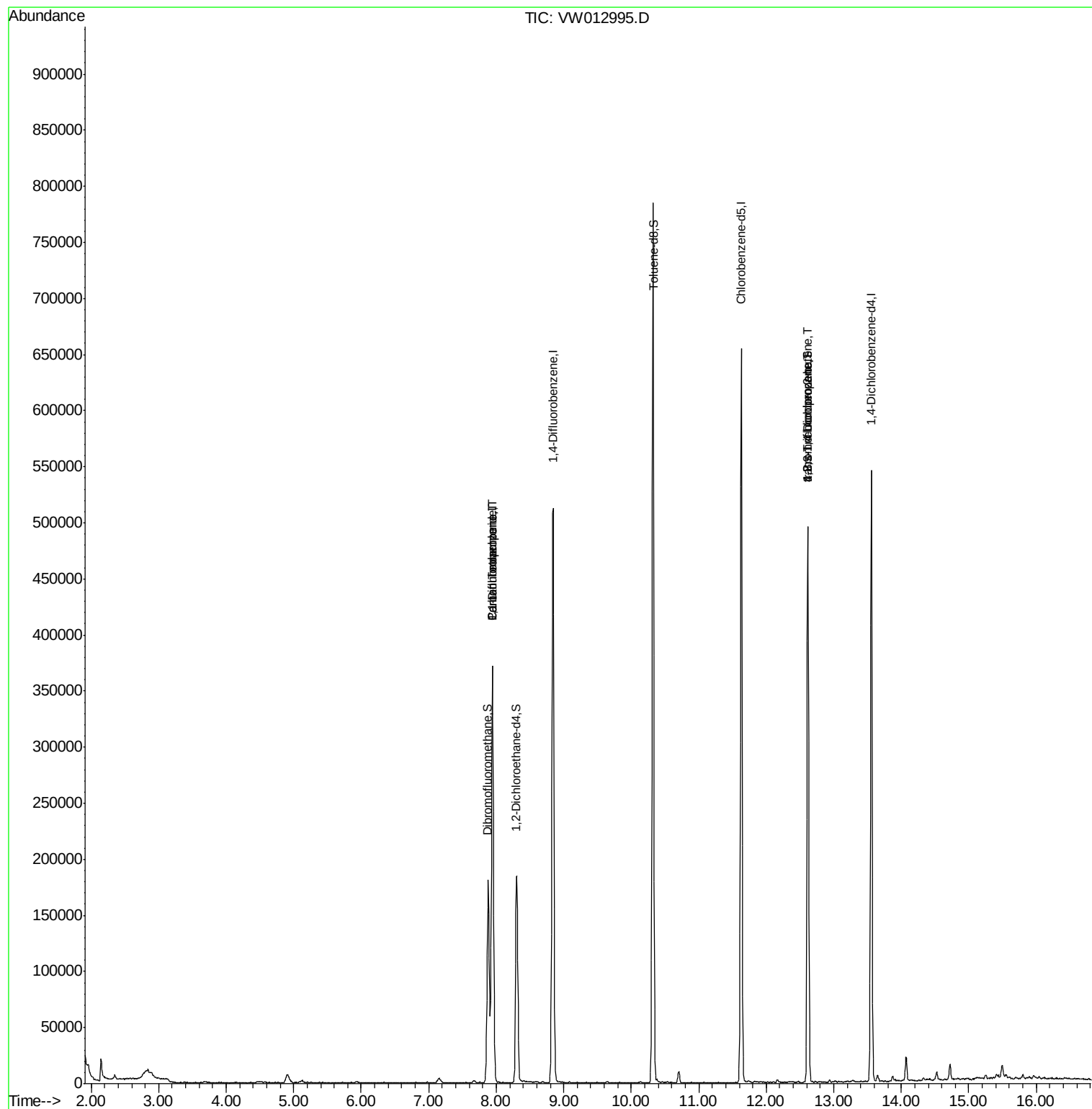
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.07	85	22	Below Cal	#	44
3) Chloromethane	2.21	50	332	Below Cal		97
11) Tert butyl alcohol	5.19	59	127	Below Cal	#	63
13) Acrolein	3.90	56	55	Below Cal	#	15
16) Acetone	4.15	43	1047	Below Cal		96
20) Methylene Chloride	4.90	84	5567	Below Cal	#	88
26) 2,2-Dichloropropane	7.15	77	194	Below Cal	#	55
31) Cyclohexane	7.94	56	6039	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	21341	6.270	ug/l #	51
38) Carbon Tetrachloride	7.95	117	27569	7.904	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	82851	64.746	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82851	146.876	ug/l #	7

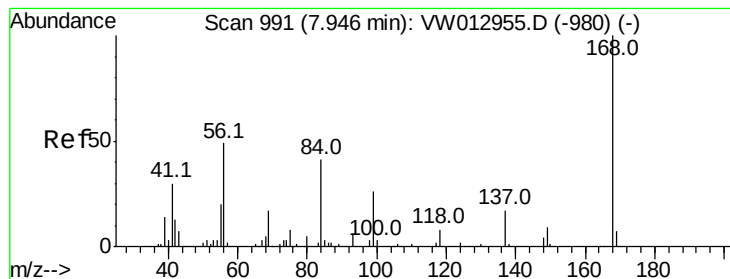
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012995.D

Acq: 14 Sep 2019 15:56

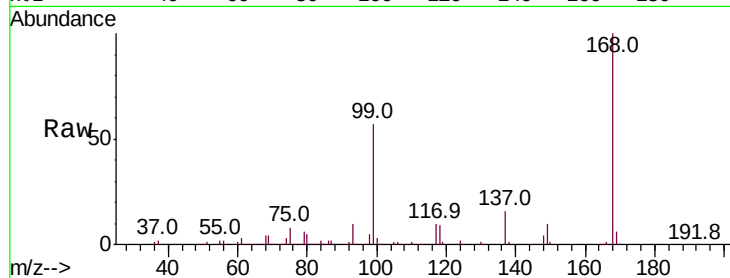
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 282102

Ion Ratio Lower Upper

168 100

99 56.8 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

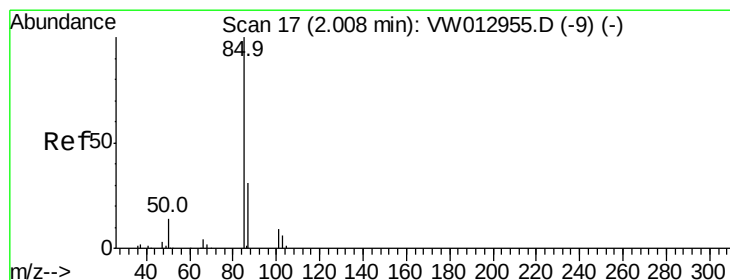
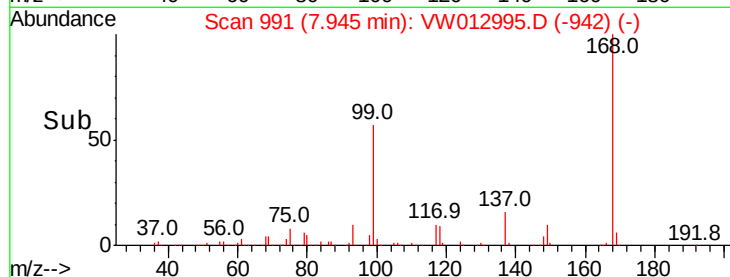
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.07 min Scan# 28

Delta R.T. 0.07 min

Lab File: VW012995.D

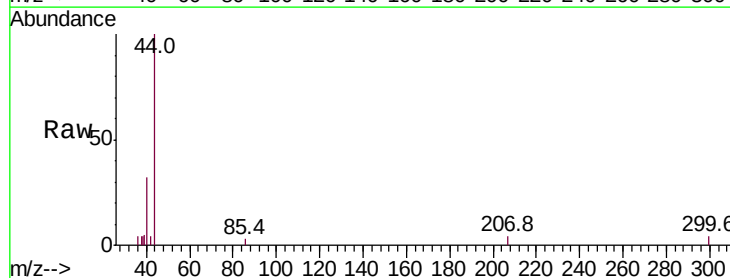
Acq: 14 Sep 2019 15:56

Tgt Ion: 85 Resp: 22

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

2.07

100

80

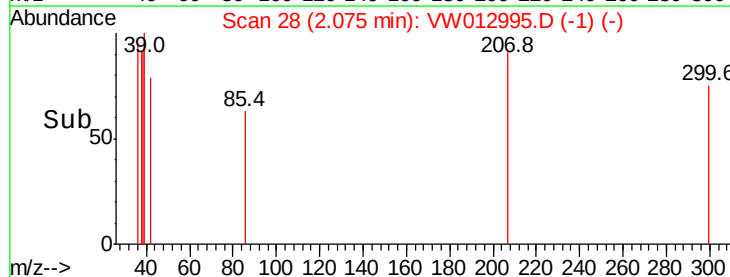
60

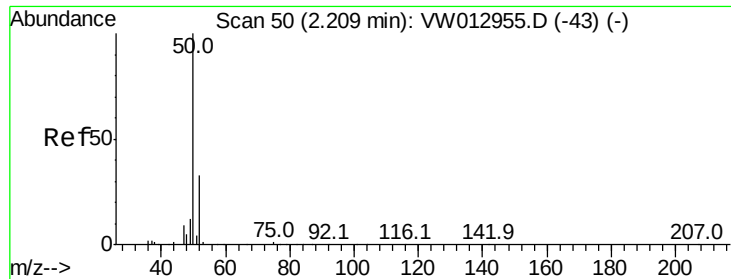
40

20

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012995.D

Acq: 14 Sep 2019 15:56

Instrument :

MSVOA_W

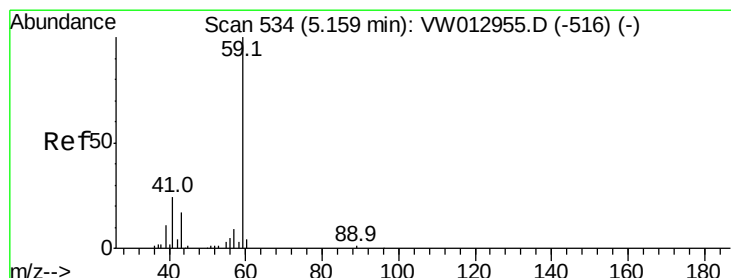
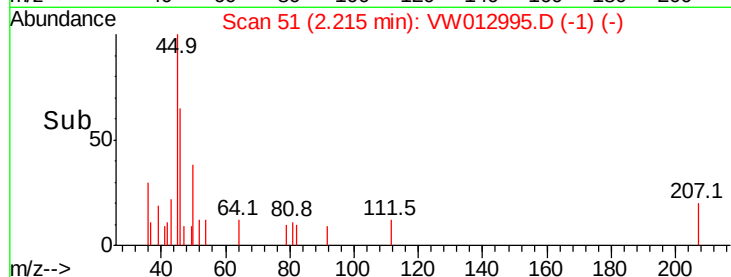
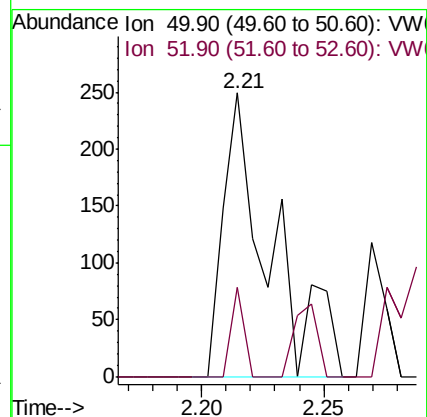
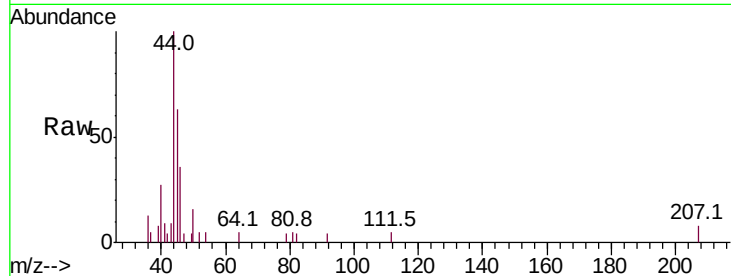
ClientSampleId :

Tot Ion: 50 Resp: 332

Ion Ratio Lower Upper

50 100

52 31.7 26.6 39.8



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.03 min

Lab File: VW012995.D

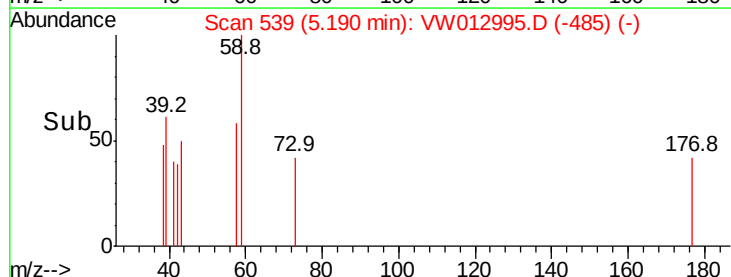
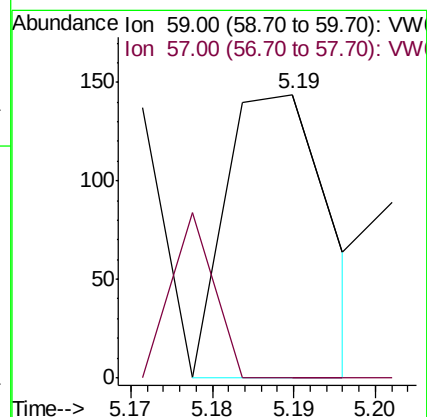
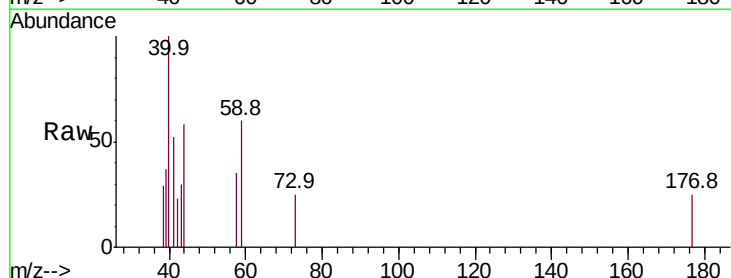
Acq: 14 Sep 2019 15:56

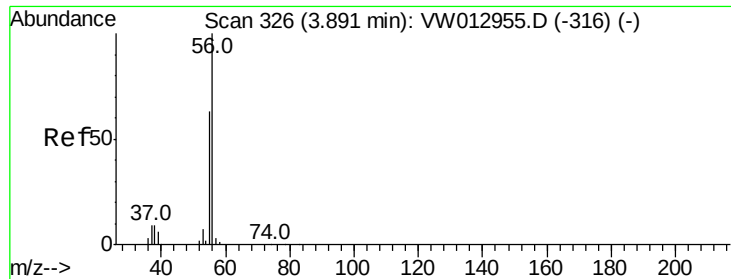
Tgt Ion: 59 Resp: 127

Ion Ratio Lower Upper

59 100

57 24.4 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW012995.D

Acq: 14 Sep 2019 15:56

Instrument :

MSVOA_W

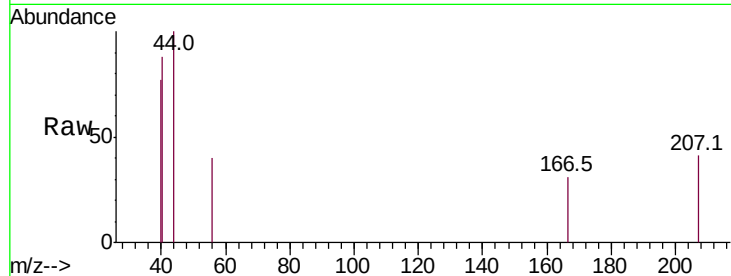
ClientSampled :

Tot Ion: 56 Resp: 55

Ion Ratio Lower Upper

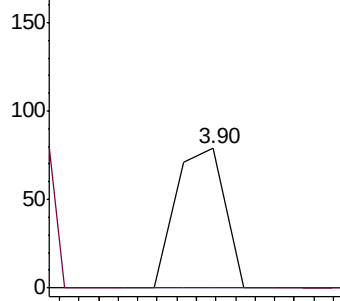
56 100

55 0.0 55.8 83.8#

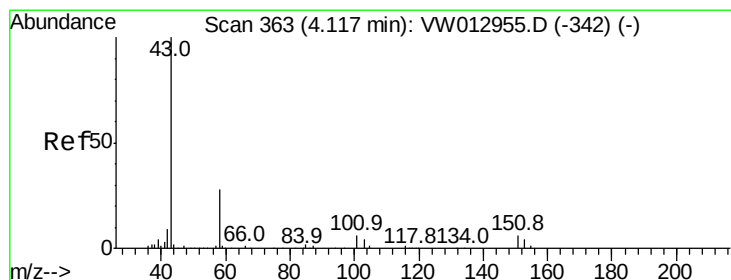
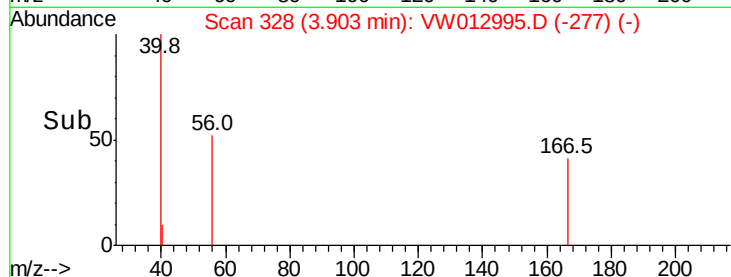


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW012995.D

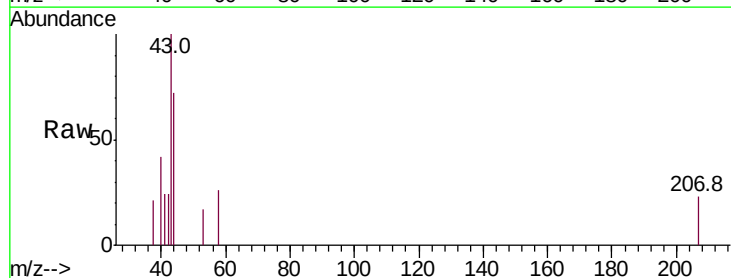
Acq: 14 Sep 2019 15:56

Tgt Ion: 43 Resp: 1047

Ion Ratio Lower Upper

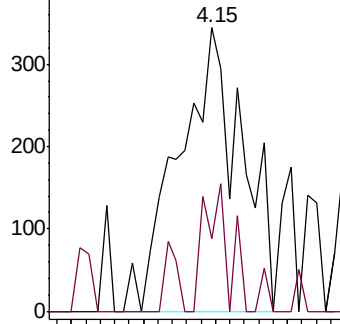
43 100

58 25.6 22.3 33.5

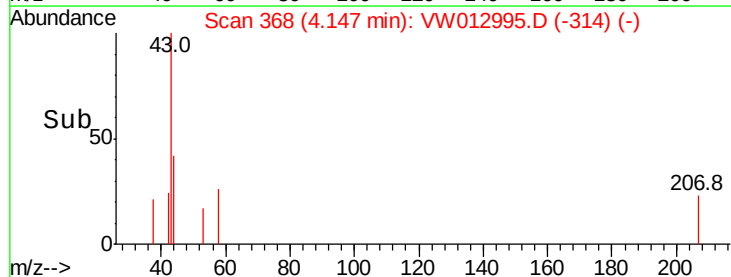


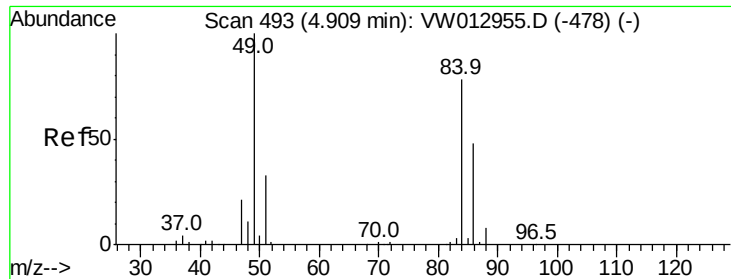
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->

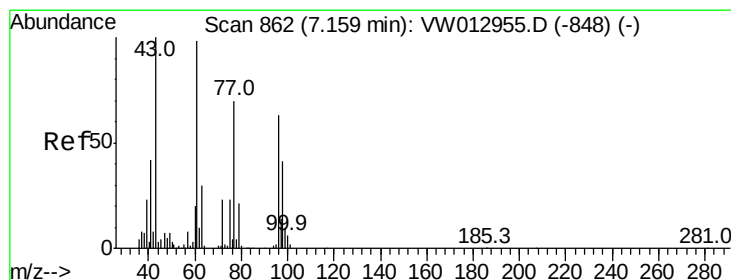
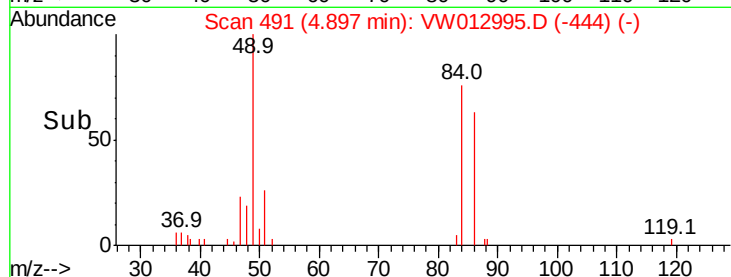
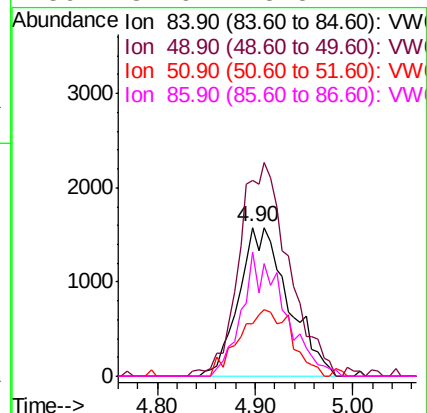
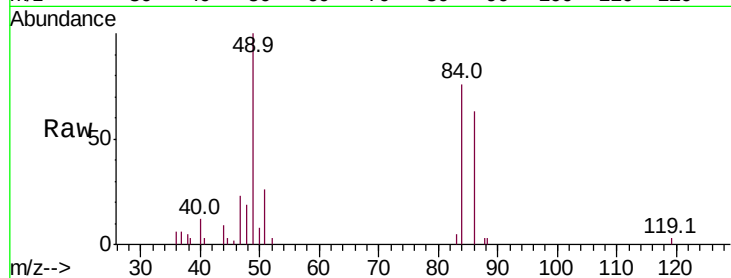




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW012995.D
Acq: 14 Sep 2019 15:56

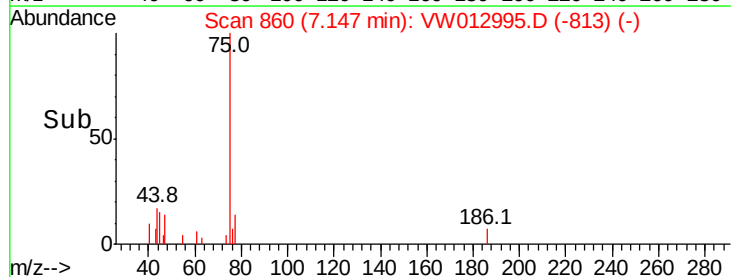
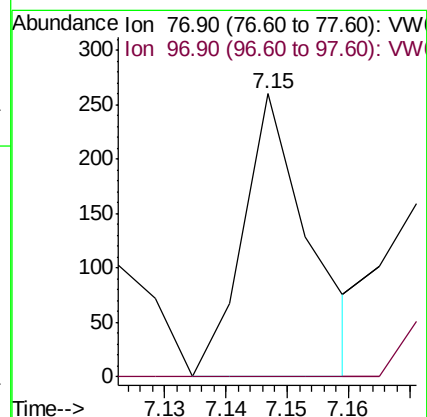
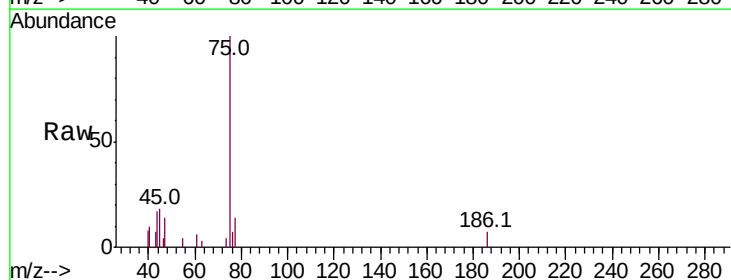
Instrument :
MSVOA_W
ClientSampleId :

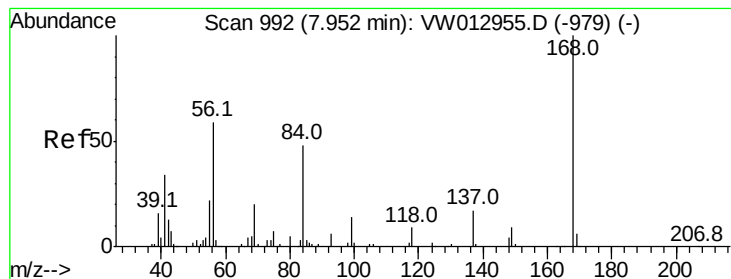
Tot Ion: 84 Resp: 5567
Ion Ratio Lower Upper
84 100
49 131.5 102.0 153.0
51 34.8 34.0 51.0
86 82.9 48.5 72.7#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: VW012995.D
Acq: 14 Sep 2019 15:56

Tgt Ion: 77 Resp: 194
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012995.D

Acq: 14 Sep 2019 15:56

Instrument :

MSVOA_W

ClientSampled :

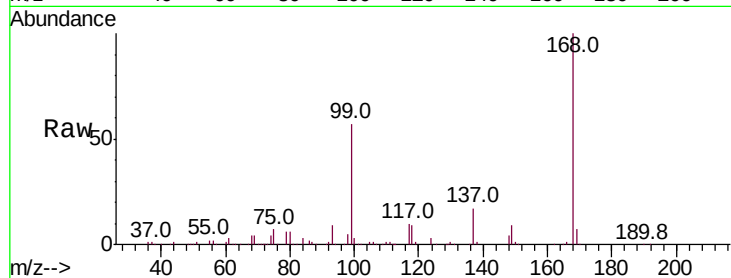
Tot Ion: 56 Resp: 6039

Ion Ratio Lower Upper

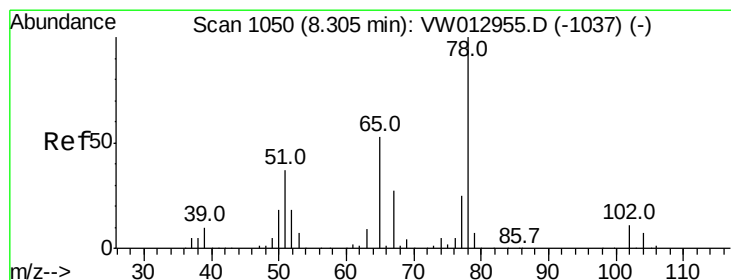
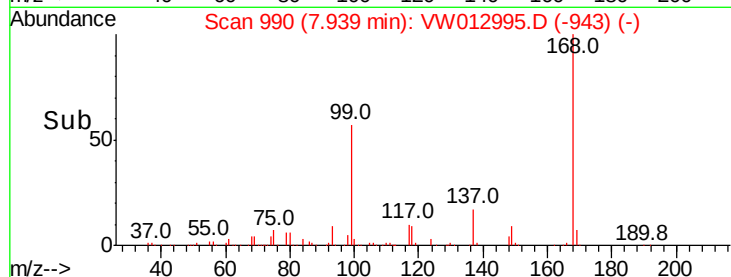
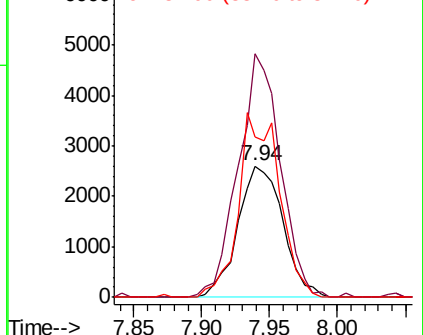
56 100

69 185.1 27.0 40.6#

84 122.2 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: 59.083 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012995.D

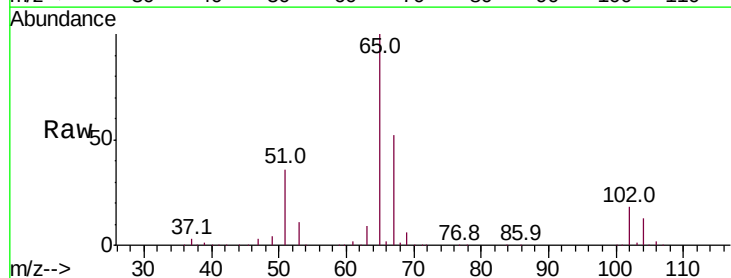
Acq: 14 Sep 2019 15:56

Tgt Ion: 65 Resp: 153936

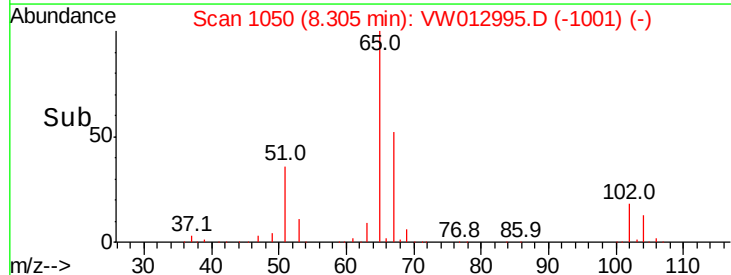
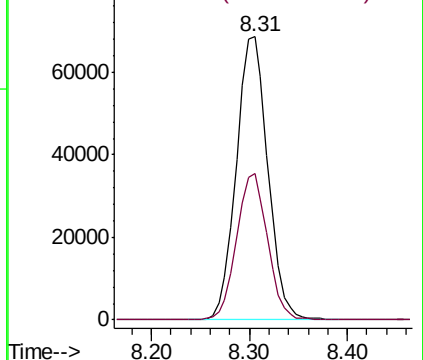
Ion Ratio Lower Upper

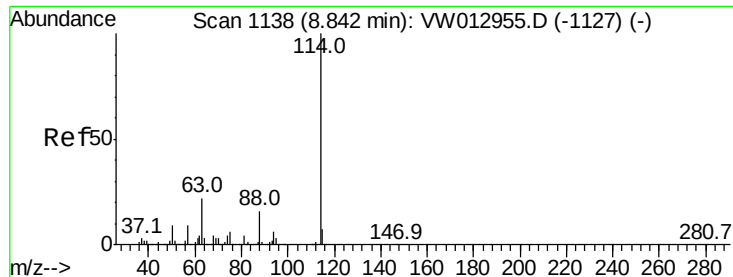
65 100

67 50.7 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: VW012995.D

Acq: 14 Sep 2019 15:56

Instrument :

MSVOA_W

ClientSampled :

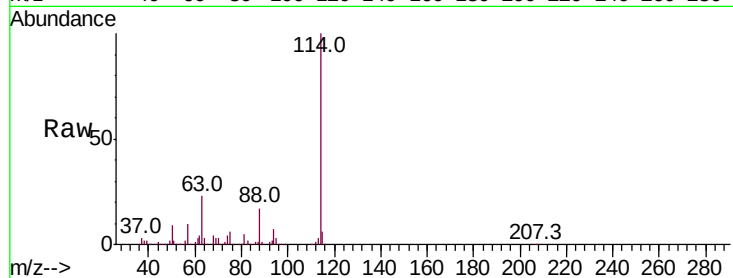
Tot Ion:114 Resp: 425951

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.4

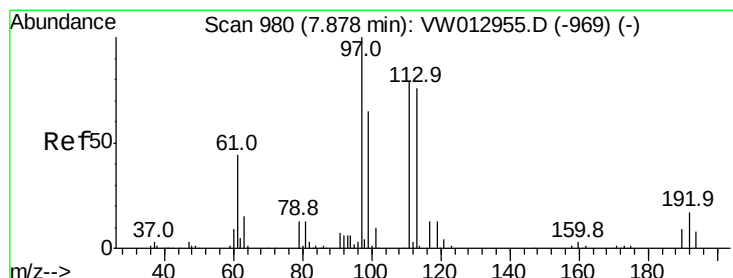
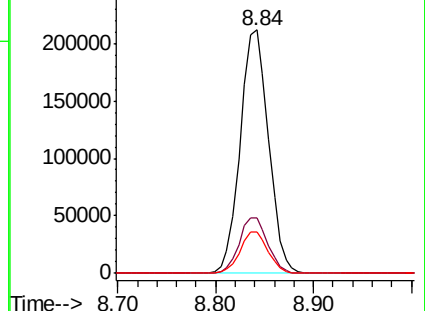
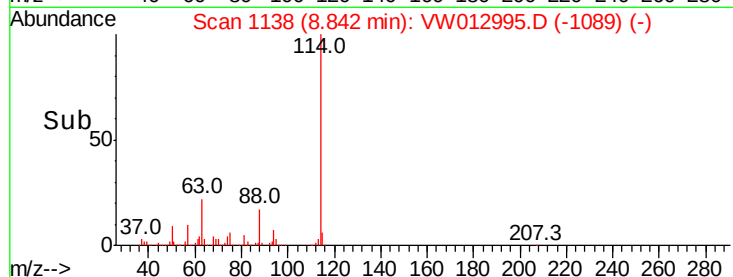
88 16.9 0.0 31.6



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: 55.243 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW012995.D

Acq: 14 Sep 2019 15:56

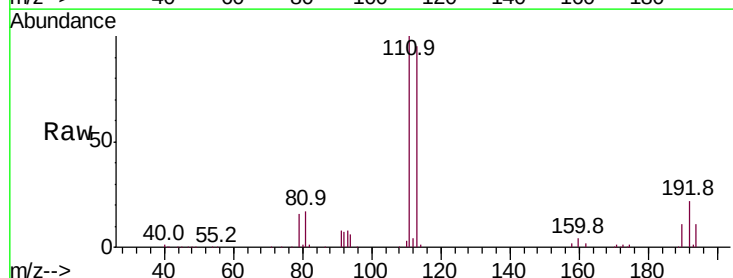
Tgt Ion:113 Resp: 127682

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

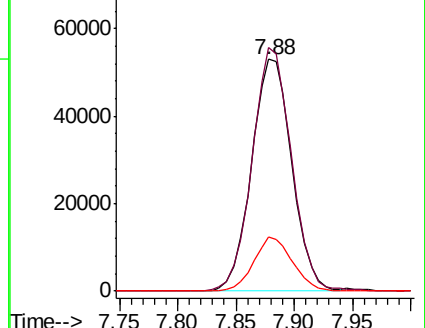
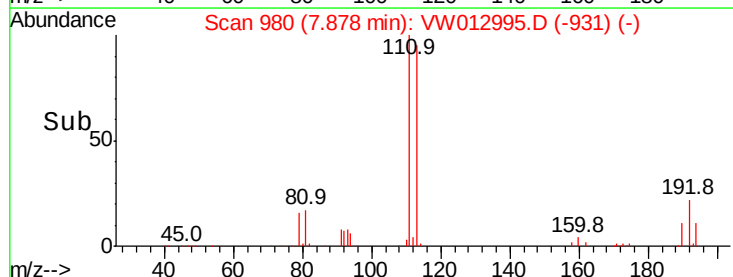
192 22.5 17.8 26.8

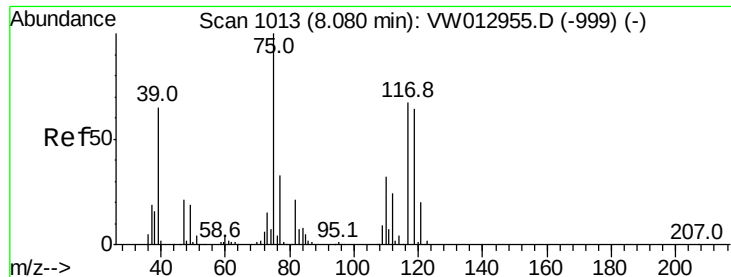


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

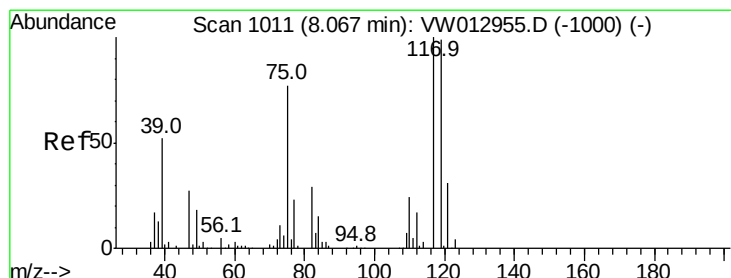
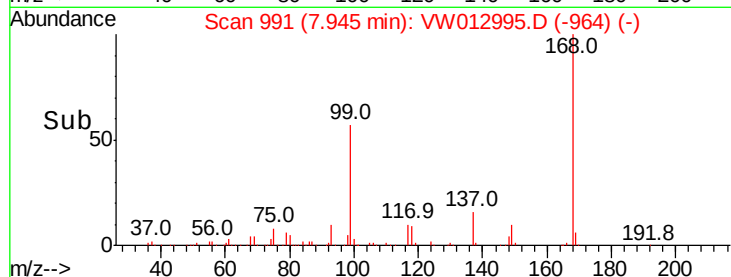
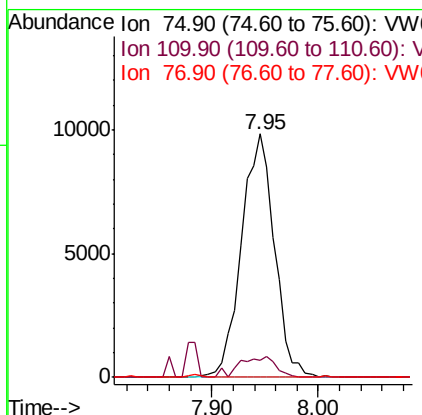
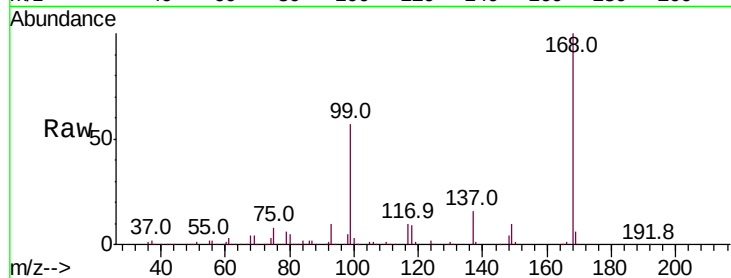




#36
 1,1-Dichloropropene
 Concen: 6.270 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012995.D
 Acq: 14 Sep 2019 15:56

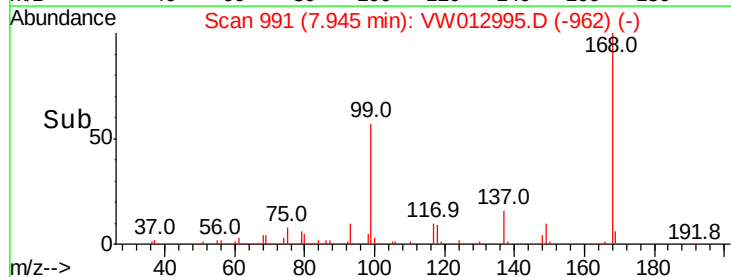
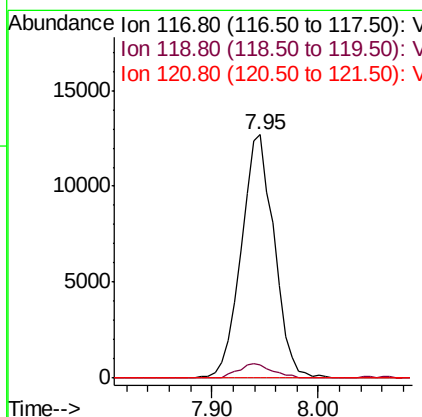
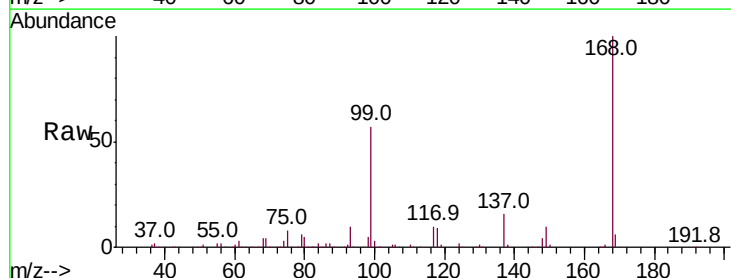
Instrument :
 MSVOA_W
 ClientSampled :

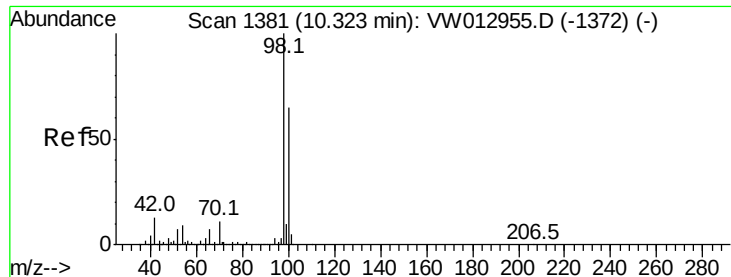
Tot Ion: 75 Resp: 21341
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.904 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012995.D
 Acq: 14 Sep 2019 15:56

Tgt Ion: 117 Resp: 27569
 Ion Ratio Lower Upper
 117 100
 119 5.3 79.4 119.0#
 121 0.0 24.6 36.8#

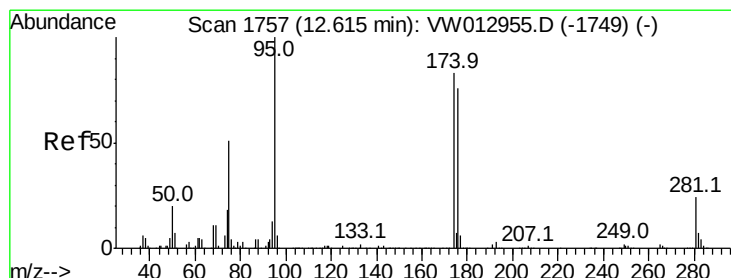
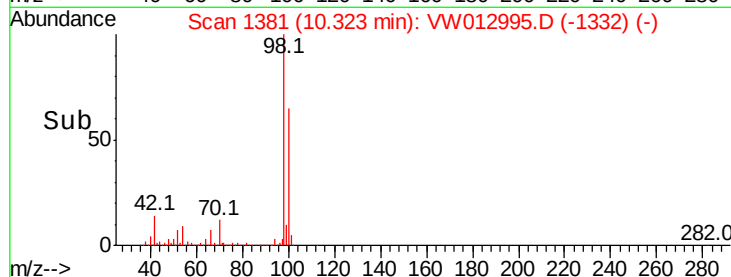
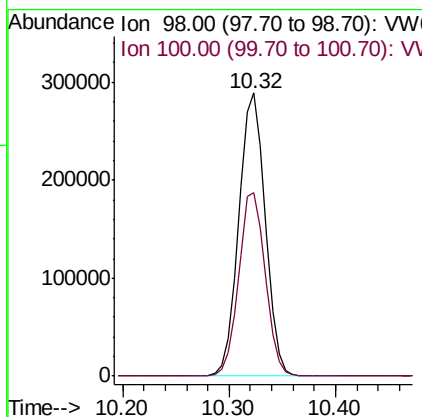
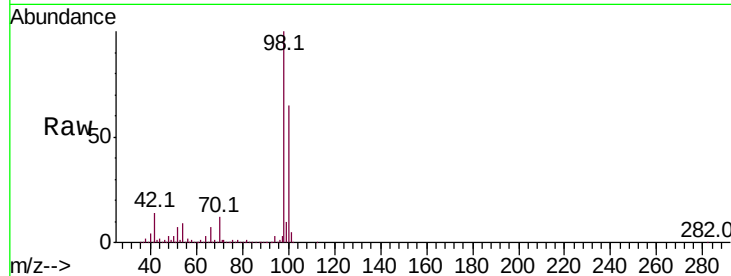




#50
Toluene-d8
Concen: 55.803 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012995.D
Acq: 14 Sep 2019 15:56

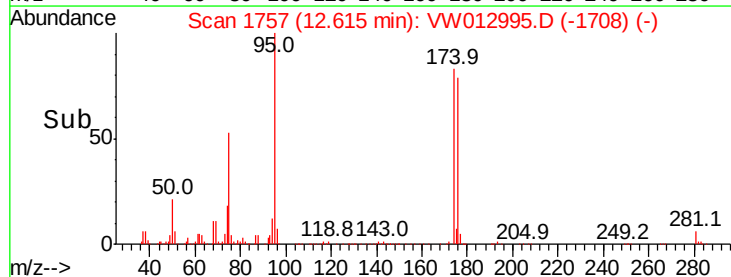
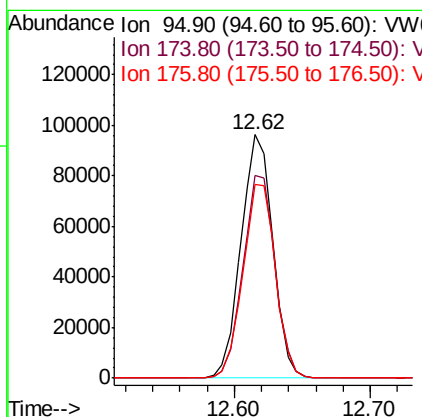
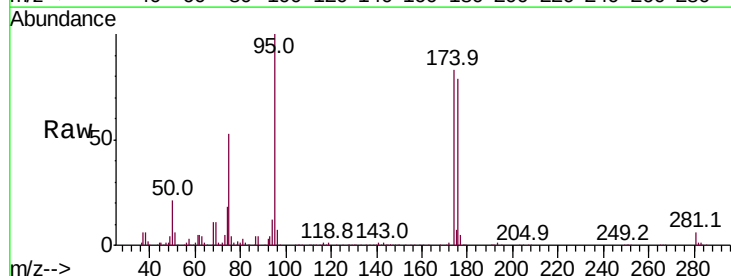
Instrument :
MSVOA_W
ClientSampleId :

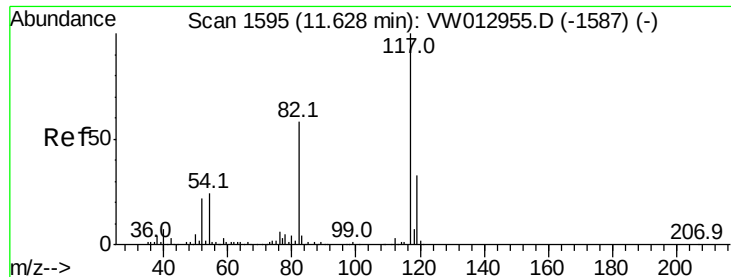
Tot Ion: 98 Resp: 504691
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 48.501 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012995.D
Acq: 14 Sep 2019 15:56

Tgt Ion: 95 Resp: 157730
Ion Ratio Lower Upper
95 100
174 84.0 0.0 170.4
176 81.4 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: VW012995.D

Acq: 14 Sep 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

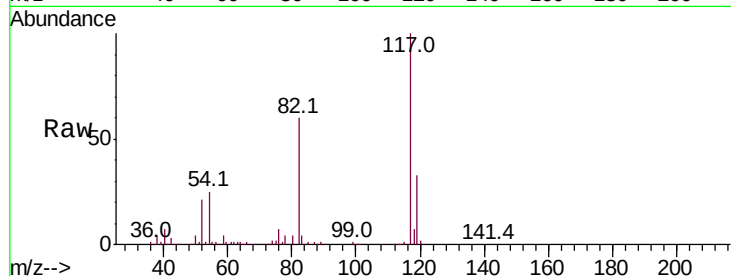
Tot Ion:117 Resp: 353497

Ion	Ratio	Lower	Upper
117	100		
82	59.5	46.3	69.5
119	33.4	26.2	39.4

117 100

82 59.5 46.3 69.5

119 33.4 26.2 39.4



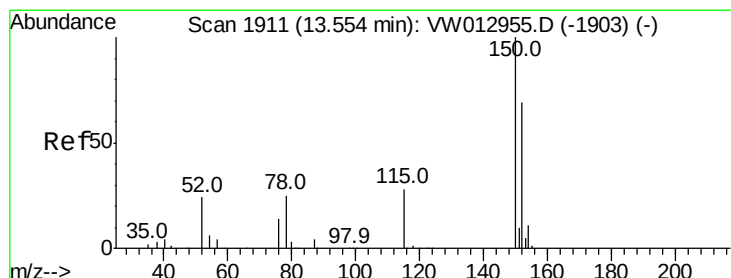
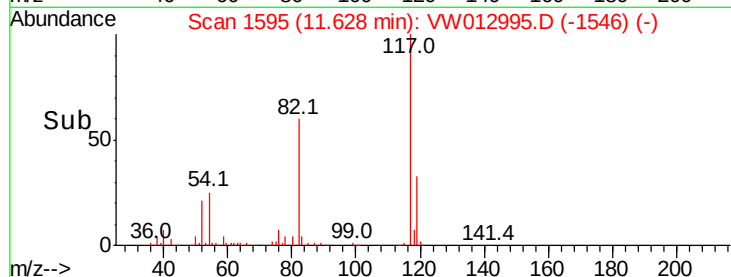
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.63

Time--> 11.50 11.60 11.70



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW012995.D

Acq: 14 Sep 2019 15:56

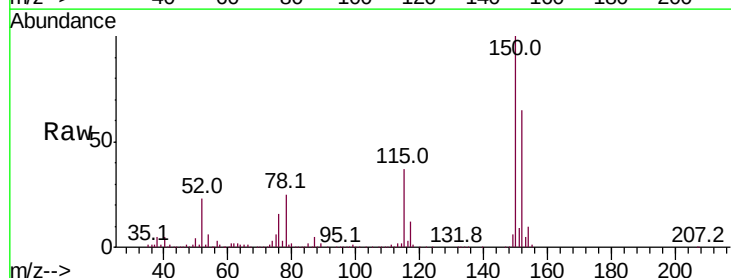
Tgt Ion:152 Resp: 146089

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.8	86.4
150	158.3	0.0	340.2

152 100

115 58.0 28.8 86.4

150 158.3 0.0 340.2



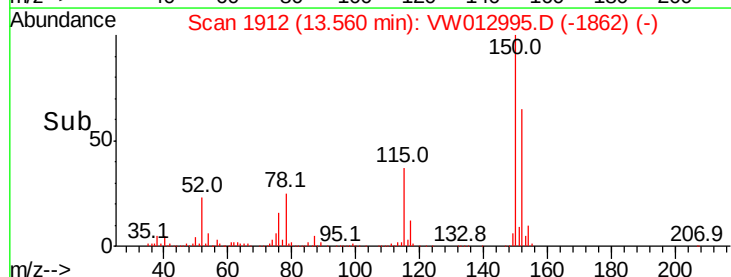
Abundance Ion 151.90 (151.60 to 152.60): V

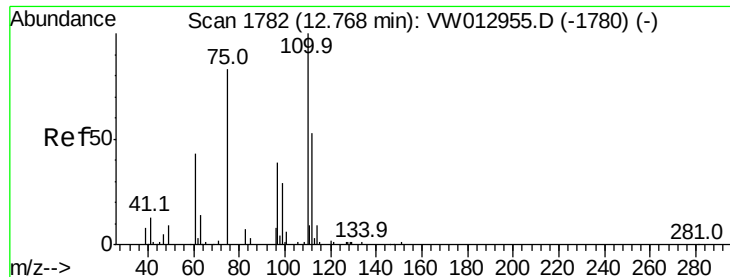
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

13.56

Time--> 13.50 13.60





#76

1,2,3-Trichloropropane

Concen: 64.746 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012995.D

Acq: 14 Sep 2019 15:56

Instrument :

MSVOA_W

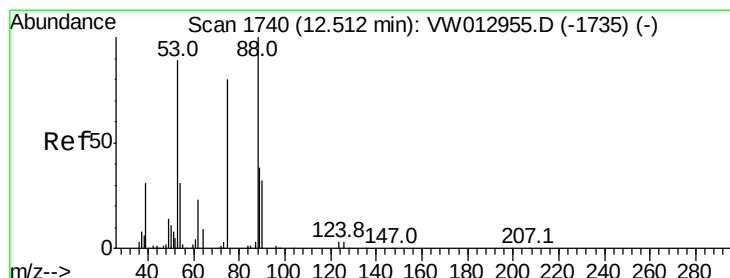
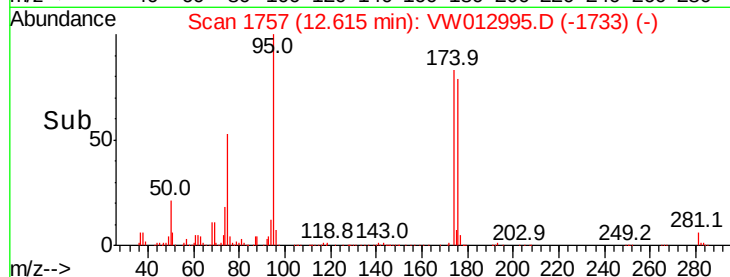
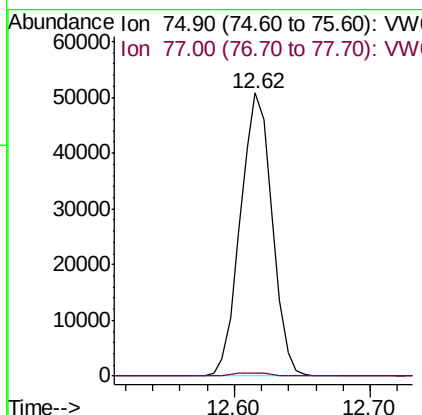
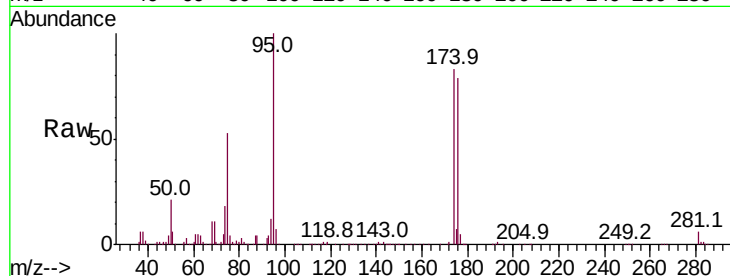
ClientSampleId :

Tot Ion: 75 Resp: 82851

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 146.876 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012995.D

Acq: 14 Sep 2019 15:56

Tgt Ion: 75 Resp: 82851

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.1 37.2 55.8#

