

Data File : VW013153.D
Acq On : 19 Sep 2019 11:40
Operator : SY/VA
Sample : VW0919SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0919SBL01

Quant Time: Sep 20 07:41:58 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	297129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	431245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157156	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	126044	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
35) Dibromofluoromethane	7.88	113	121088	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	10.32	98	495339	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.62	95	156060	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	

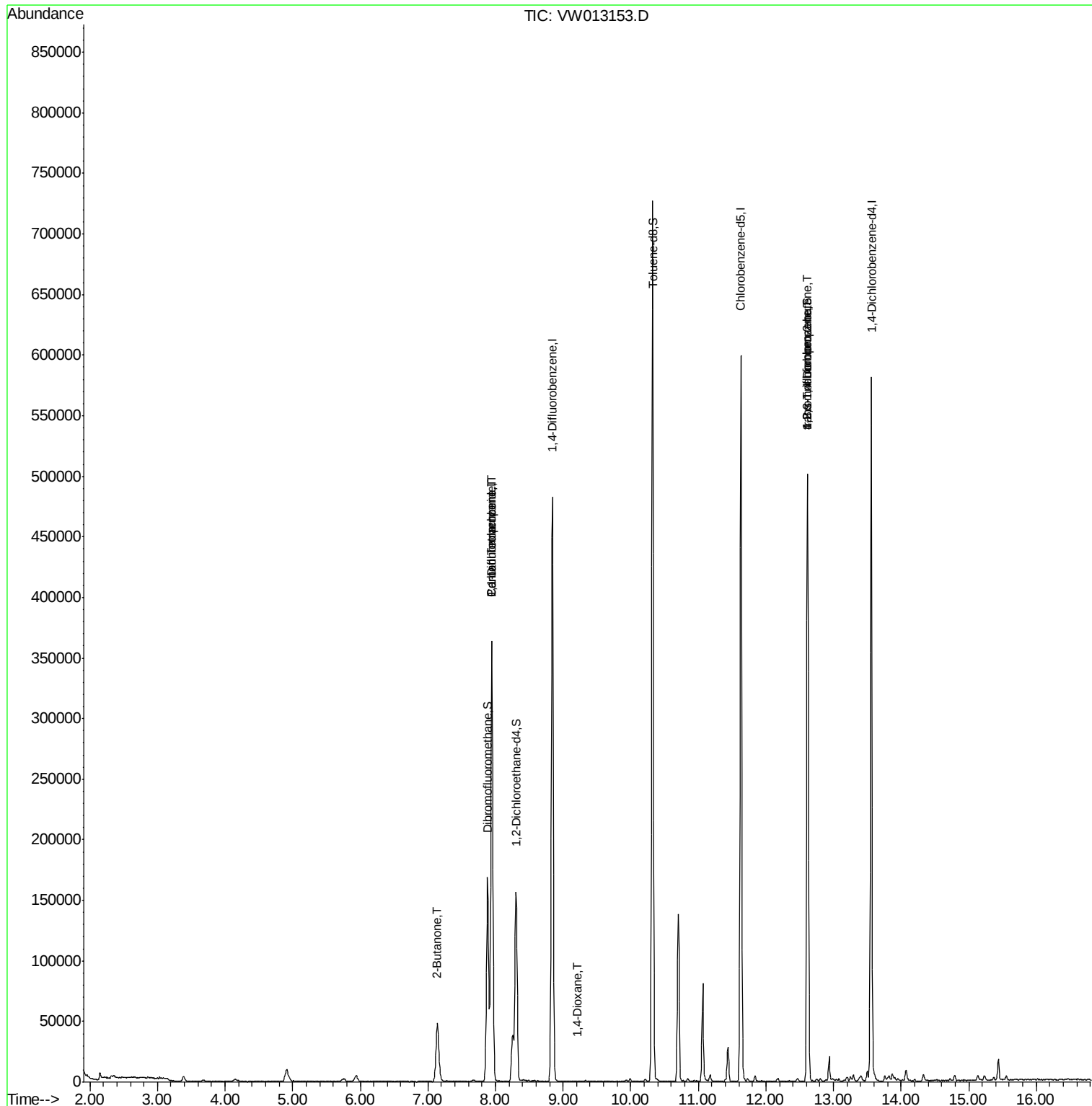
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.03	85	36	Below Cal	#	44
3) Chloromethane	2.21	50	339	Below Cal		93
11) Tert butyl alcohol	5.17	59	230	Below Cal	#	72
13) Acrolein	3.90	56	34	Below Cal	#	15
16) Acetone	4.15	43	4726	Below Cal		91
20) Methylene Chloride	4.92	84	7665	Below Cal	#	81
25) 2-Butanone	7.15	43	2259	2.589 ug/l	#	68
26) 2,2-Dichloropropane	7.13	77	3667	Below Cal	#	55
31) Cyclohexane	7.95	56	4981	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	20046	5.817 ug/l	#	50
38) Carbon Tetrachloride	7.95	117	25056	7.095 ug/l	#	13
49) 1,4-Dioxane	9.21	88	23	1.121 ug/l	#	20
76) 1,2,3-Trichloropropane	12.62	75	74799	54.338 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74799	123.264 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: VW013153.D

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Instrument :

MSVOA_W

ClientSampleId :

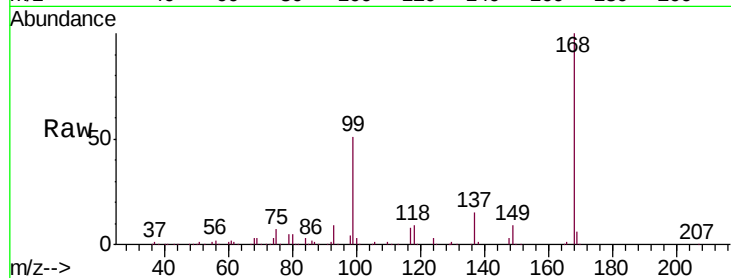
VW0919SBL01

Tgt Ion:168 Resp: 297129

Ion Ratio Lower Upper

168 100

99 51.2 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

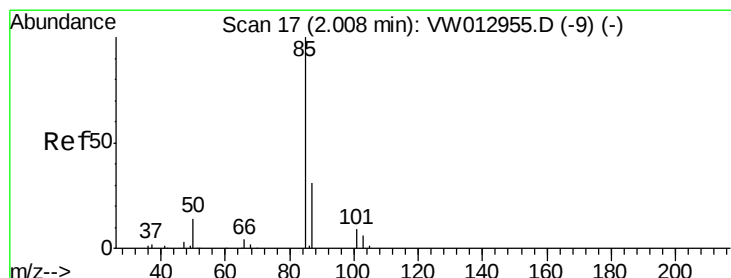
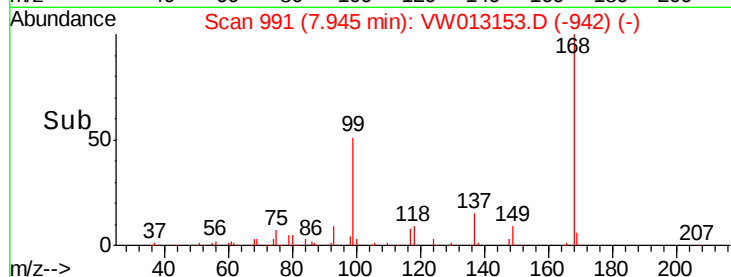
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.03 min Scan# 21

Delta R.T. 0.02 min

Lab File: VW013153.D

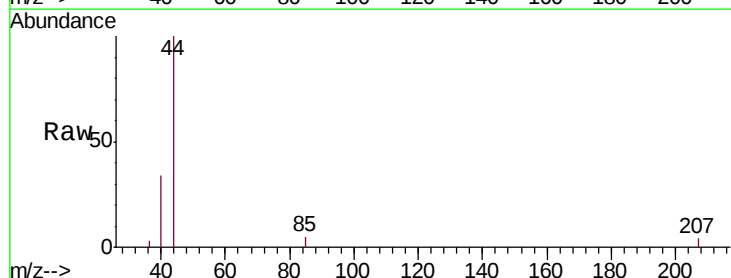
Acq: 19 Sep 2019 11:40

Tgt Ion: 85 Resp: 36

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

2.03

100

80

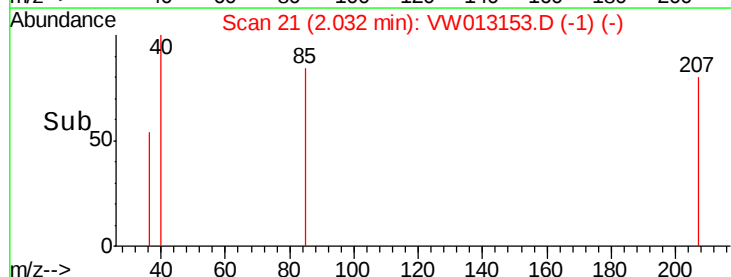
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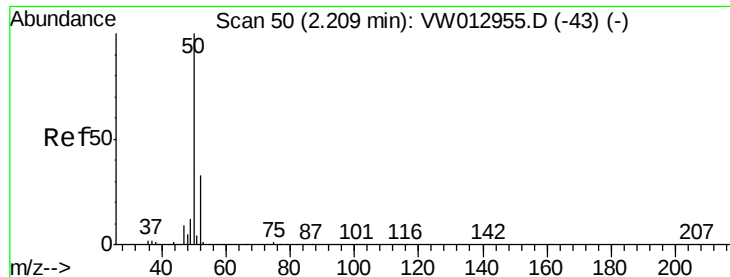
40

20

0

Time--> 2.01 2.02 2.03 2.04 2.05





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013153.D

Acq: 19 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

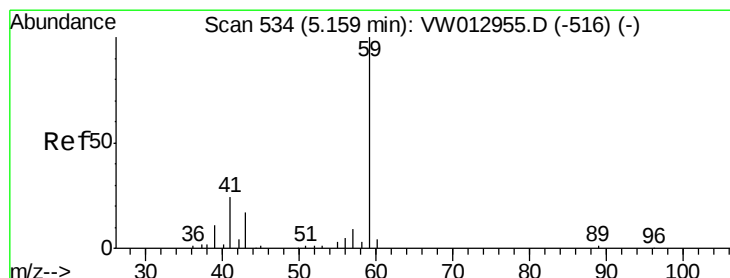
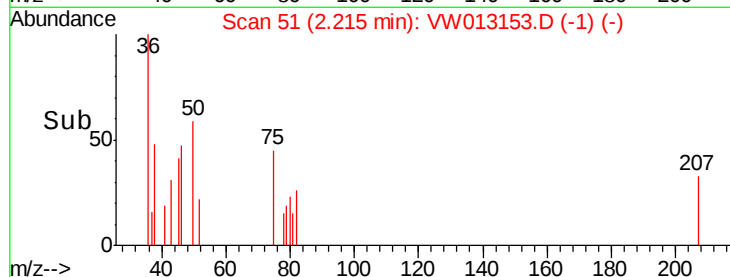
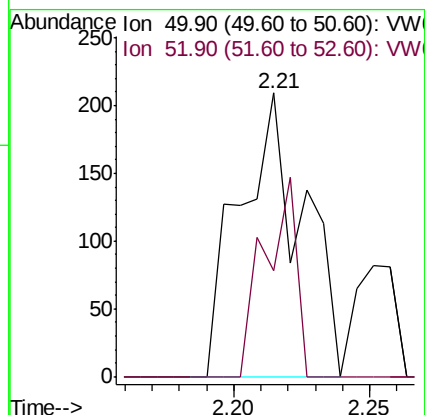
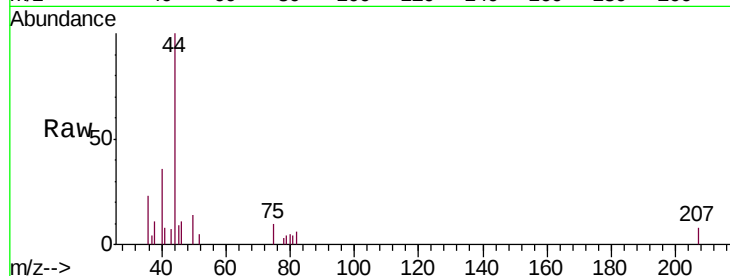
VW0919SBL01

Tgt Ion: 50 Resp: 339

Ion Ratio Lower Upper

50 100

52 37.3 26.6 39.8



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW013153.D

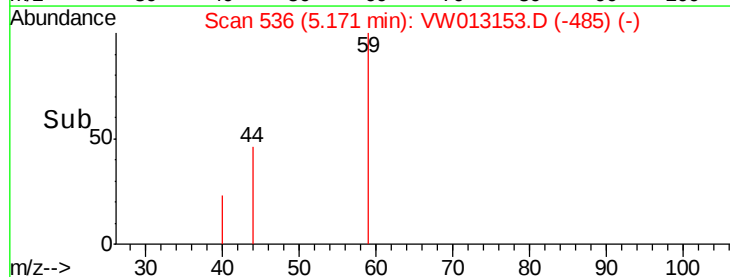
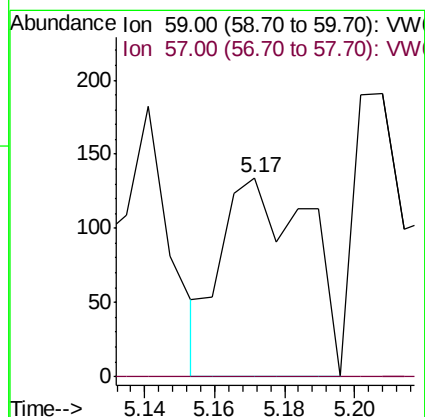
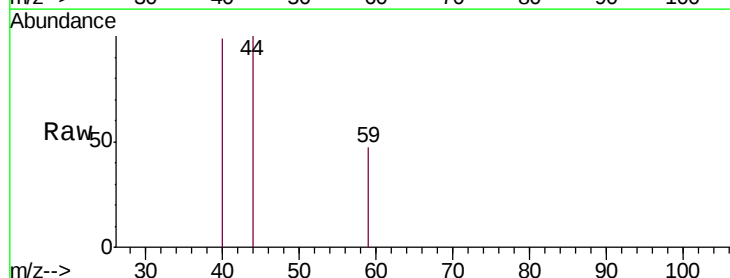
Acq: 19 Sep 2019 11:40

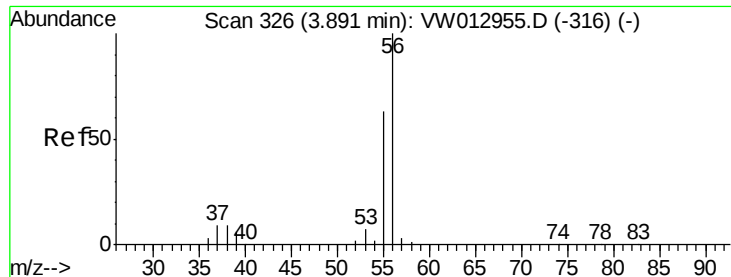
Tgt Ion: 59 Resp: 230

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW013153.D

Acq: 19 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

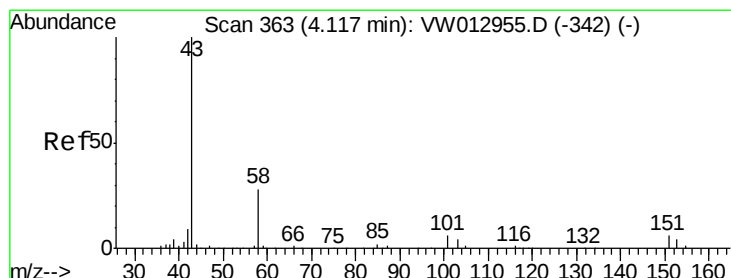
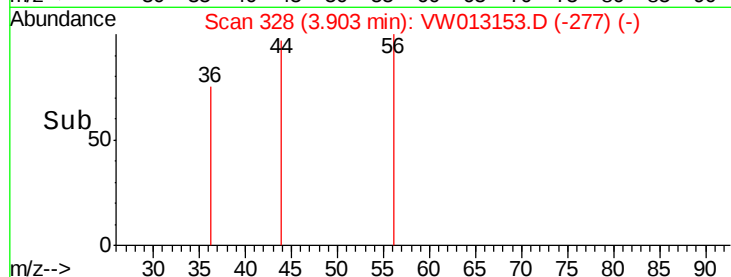
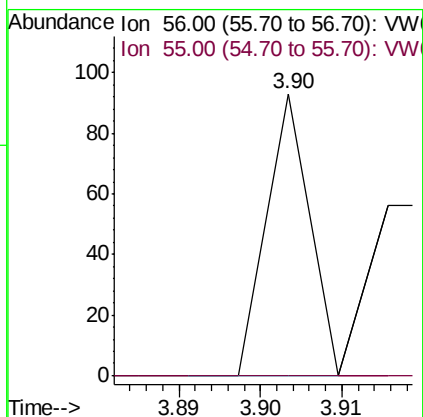
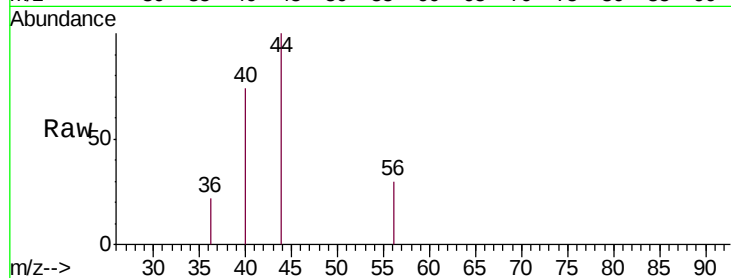
VW0919SBL01

Tgt Ion: 56 Resp: 34

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: VW013153.D

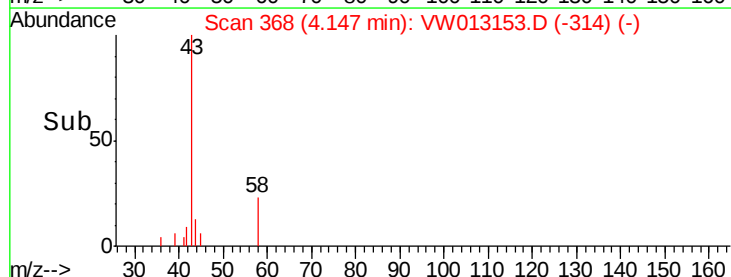
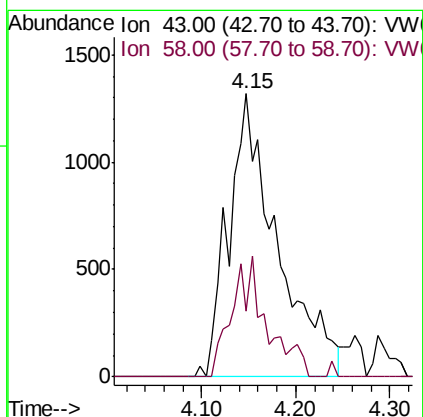
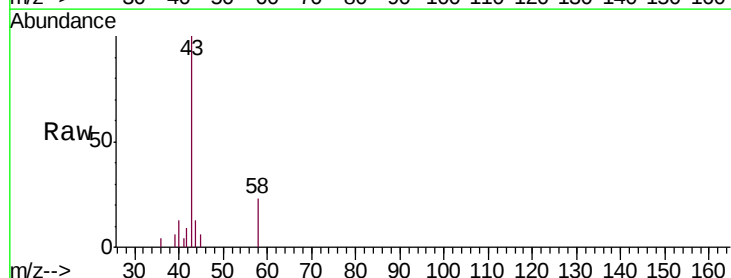
Acq: 19 Sep 2019 11:40

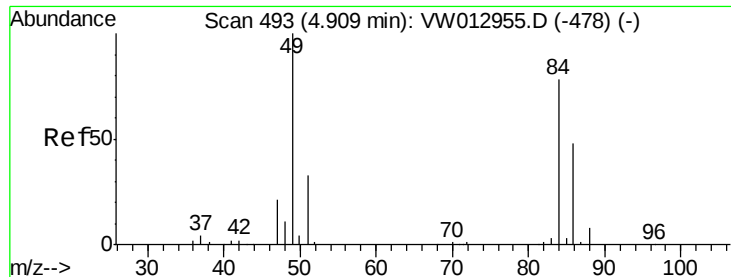
Tgt Ion: 43 Resp: 4726

Ion Ratio Lower Upper

43 100

58 23.4 22.3 33.5

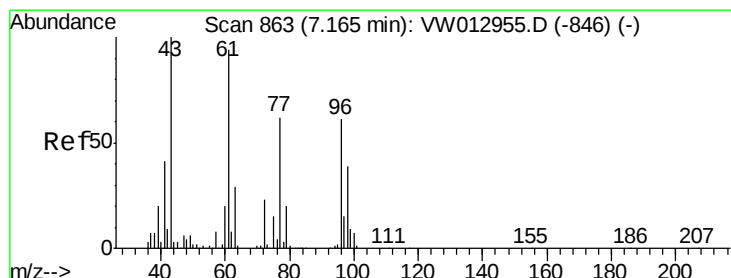
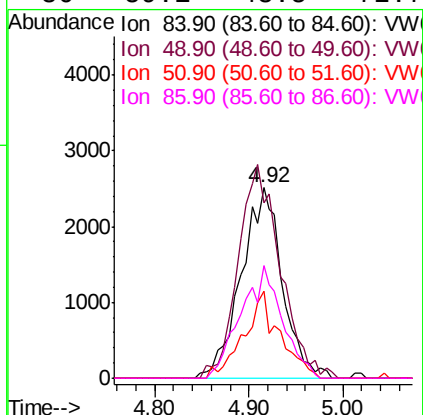
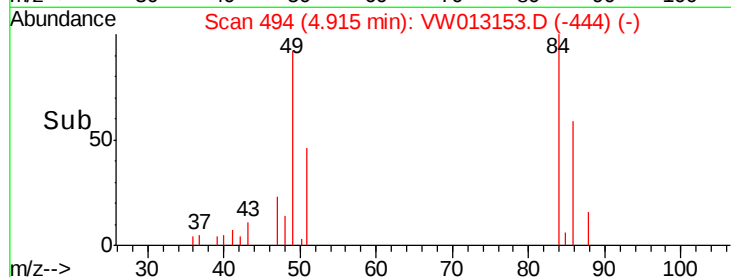
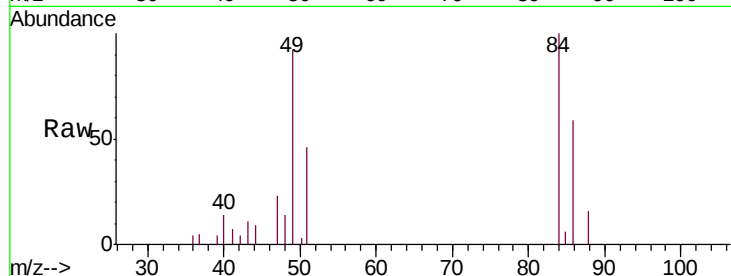




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013153.D
Acq: 19 Sep 2019 11:40

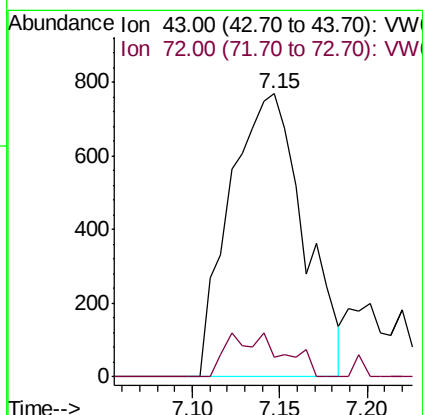
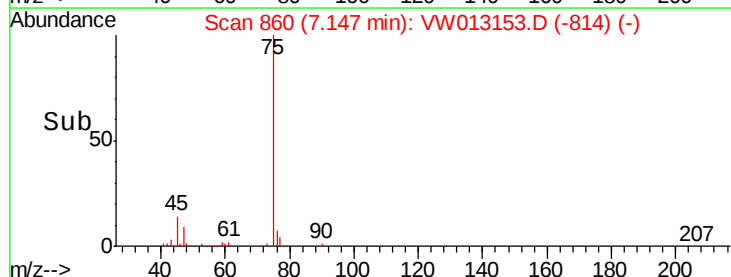
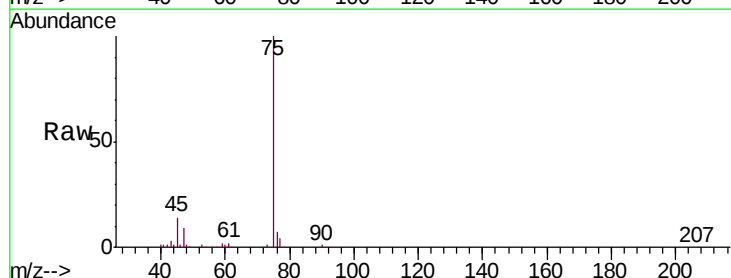
Instrument :
MSVOA_W
ClientSampleId :
VW0919SBL01

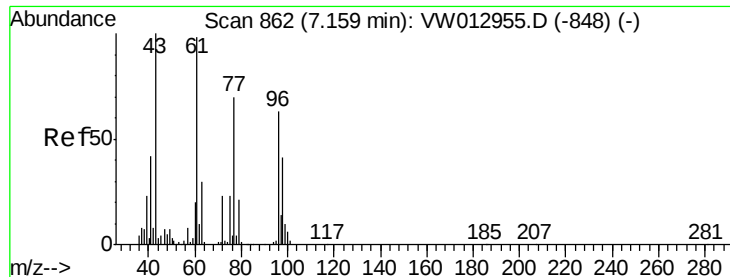
Tgt Ion: 84 Resp: 7665
Ion Ratio Lower Upper
84 100
49 92.1 102.0 153.0#
51 46.0 34.0 51.0
86 59.1 48.5 72.7



#25
2-Butanone
Concen: 2.589 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW013153.D
Acq: 19 Sep 2019 11:40

Tgt Ion: 43 Resp: 2259
Ion Ratio Lower Upper
43 100
72 7.2 18.2 27.4#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 857

Delta R.T. -0.03 min

Lab File: VW013153.D

Acq: 19 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

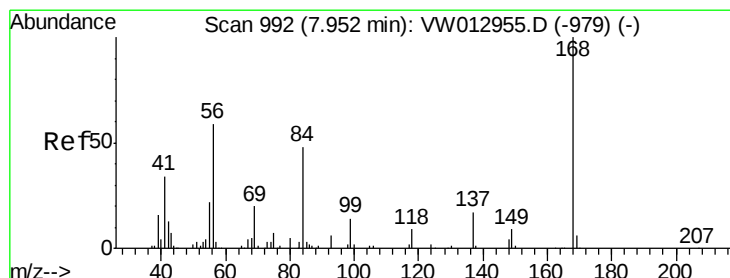
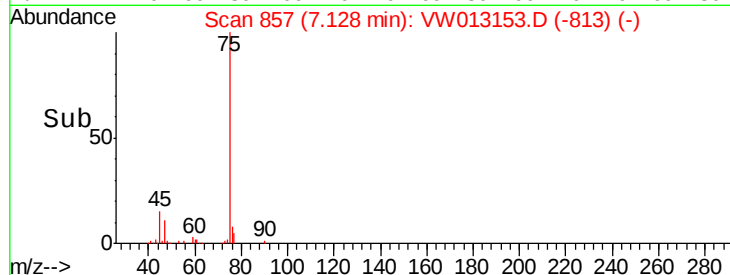
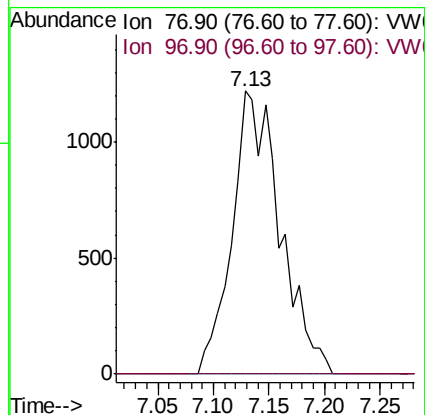
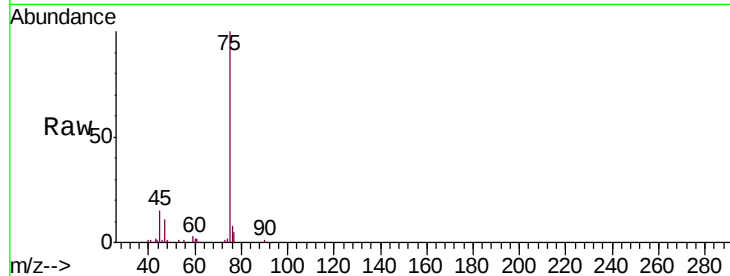
VW0919SBL01

Tgt Ion: 77 Resp: 3667

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013153.D

Acq: 19 Sep 2019 11:40

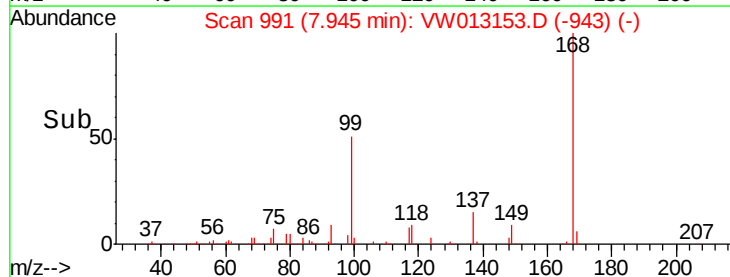
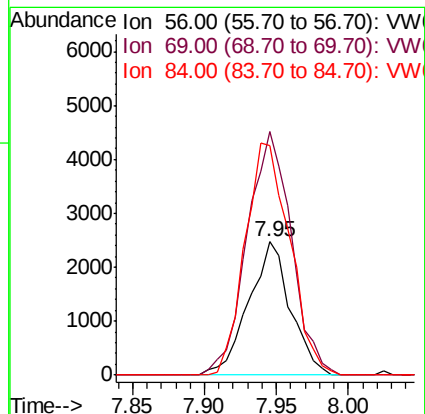
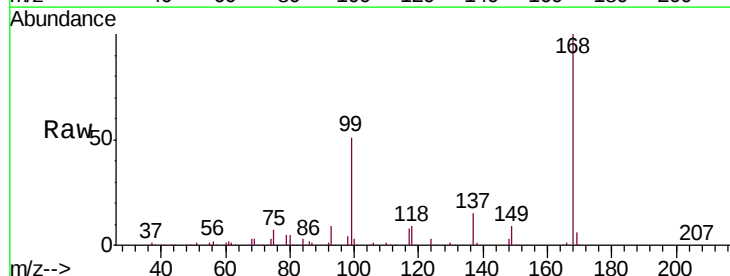
Tgt Ion: 56 Resp: 4981

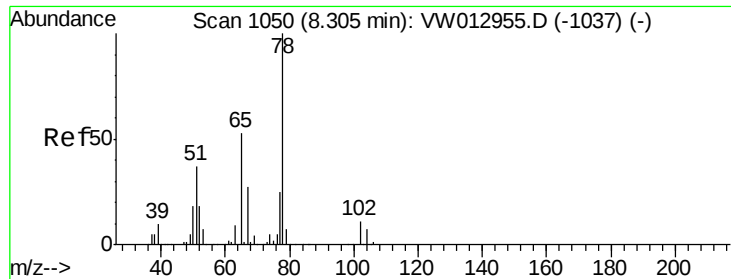
Ion Ratio Lower Upper

56 100

69 183.0 27.0 40.6#

84 172.5 66.2 99.2#

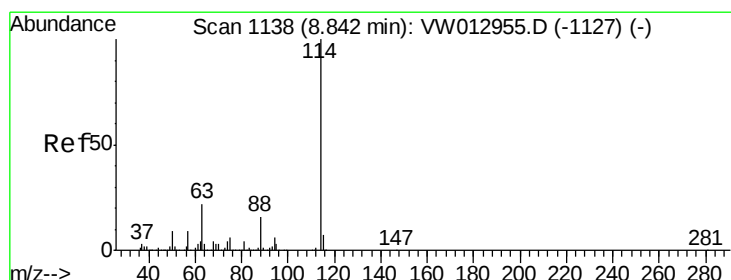
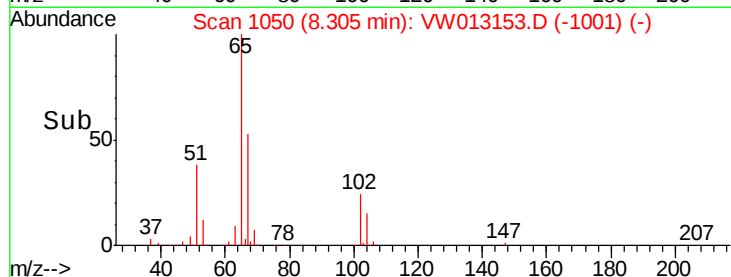
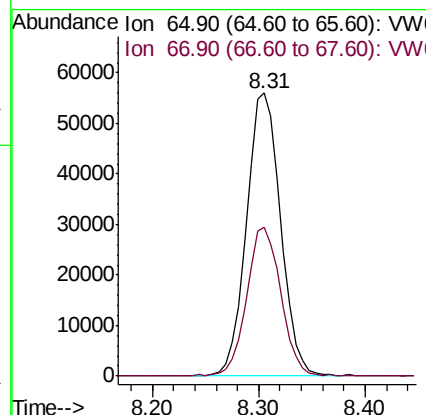
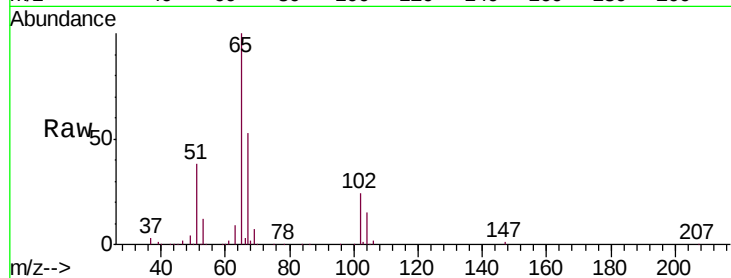




#33
 1,2-Dichloroethane-d4
 Concen: 45.931 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013153.D
 Acq: 19 Sep 2019 11:40

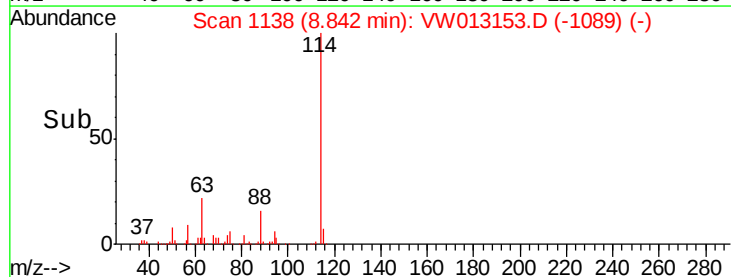
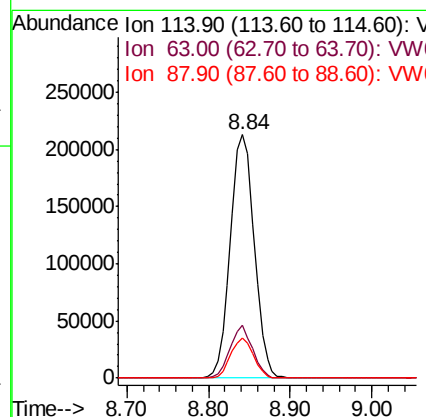
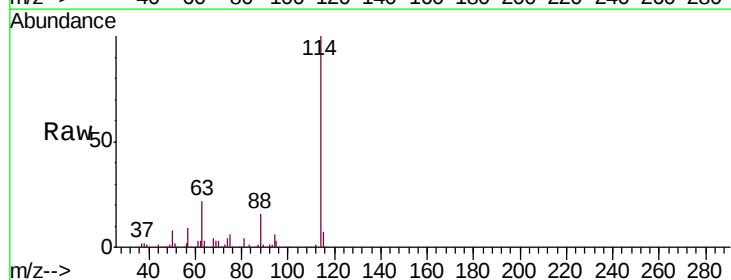
Instrument :
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 VW0919SBL01

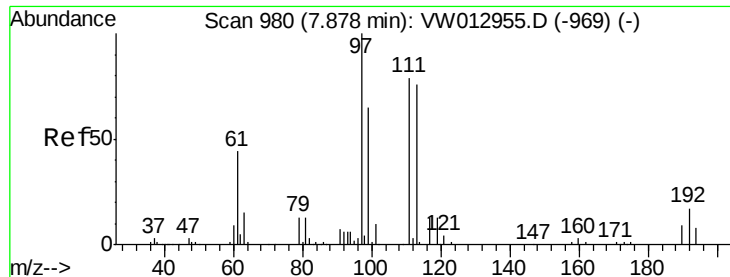
Tgt Ion: 65 Resp: 126044
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013153.D
 Acq: 19 Sep 2019 11:40

Tgt Ion: 114 Resp: 431245
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.4
 88 16.4 0.0 31.6

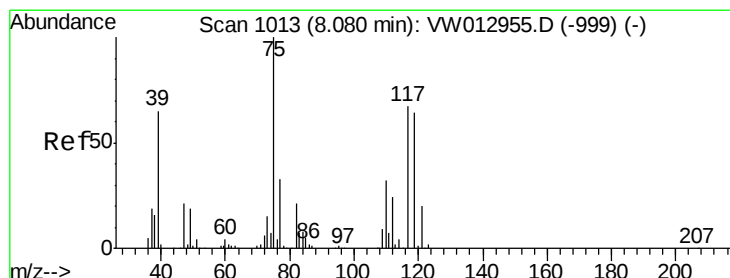
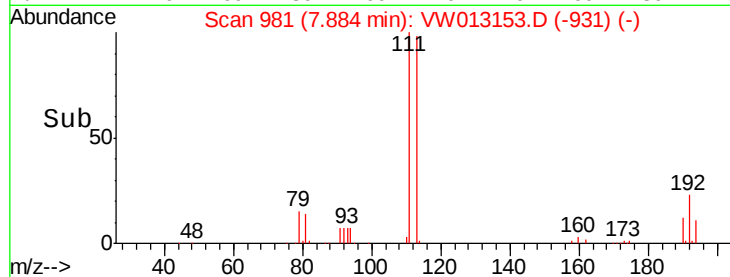
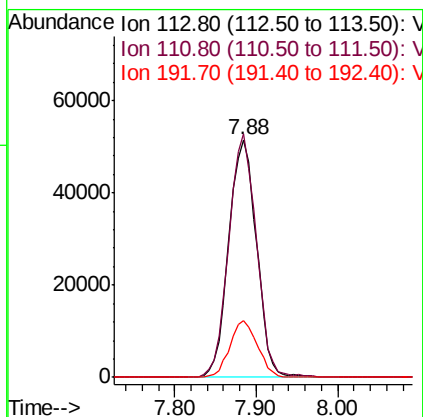
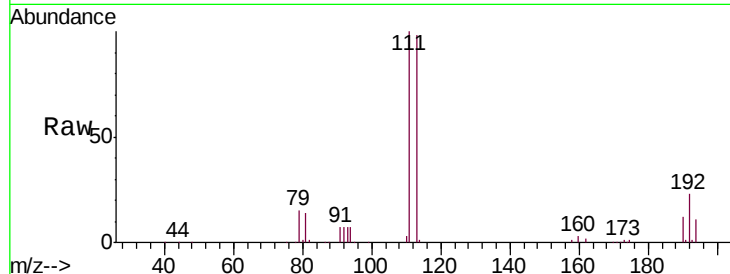




#35
 Dibromofluoromethane
 Concen: 51.747 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013153.D
 Acq: 19 Sep 2019 11:40

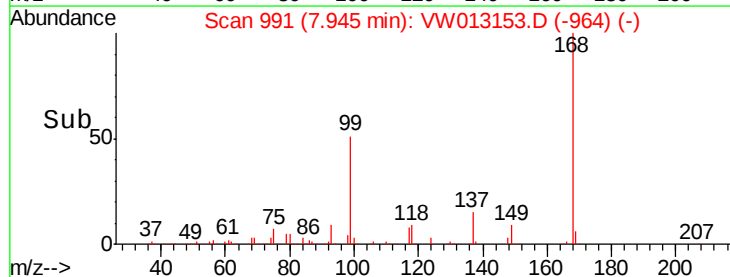
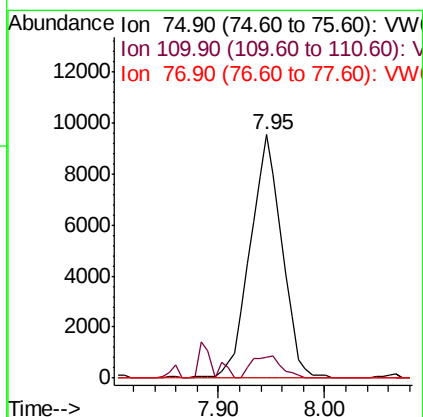
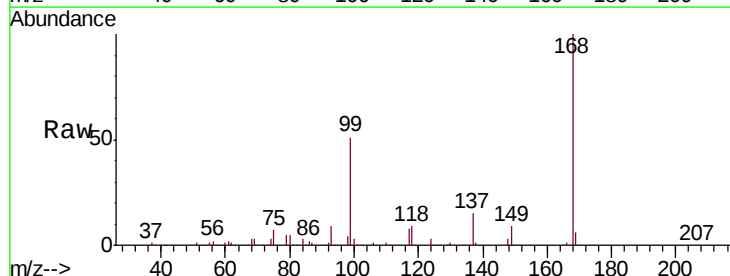
Instrument :
 MSVOA_W
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 VW0919SBL01

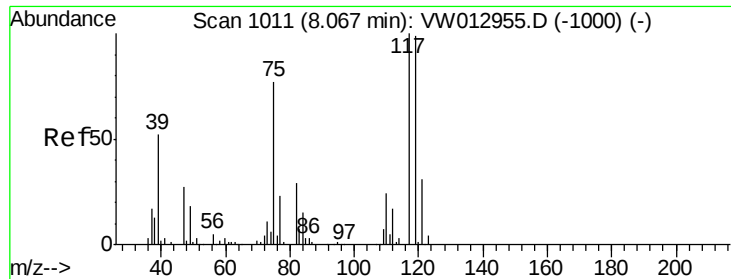
Tgt Ion: 113 Resp: 121088
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.8 124.2
 192 23.6 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 5.817 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013153.D
 Acq: 19 Sep 2019 11:40

Tgt Ion: 75 Resp: 20046
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.4 49.1#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 7.095 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013153.D

Acq: 19 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

VW0919SBL01

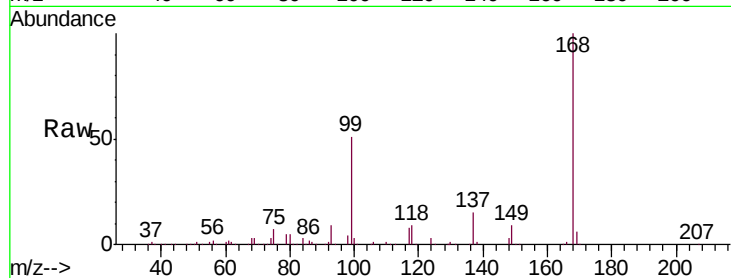
Tgt Ion:117 Resp: 25056

Ion Ratio Lower Upper

117 100

119 3.0 79.4 119.0#

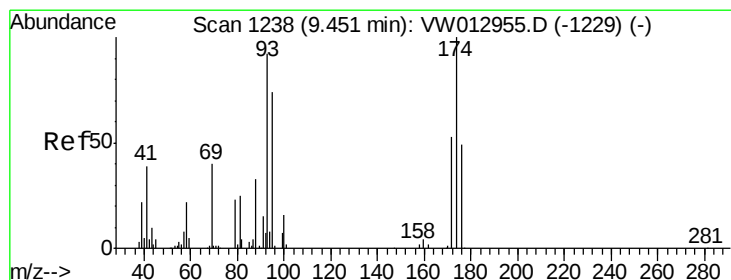
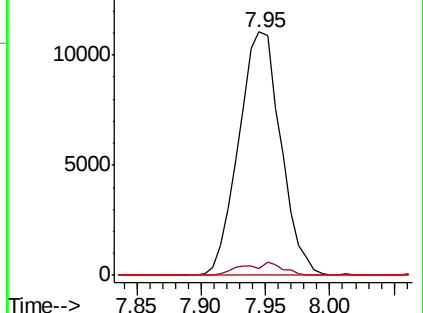
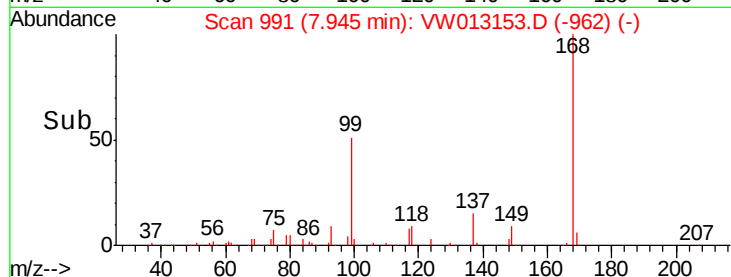
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 1.121 ug/l

RT: 9.21 min Scan# 1199

Delta R.T. -0.24 min

Lab File: VW013153.D

Acq: 19 Sep 2019 11:40

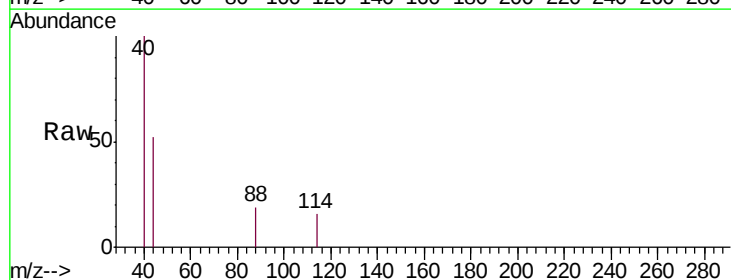
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

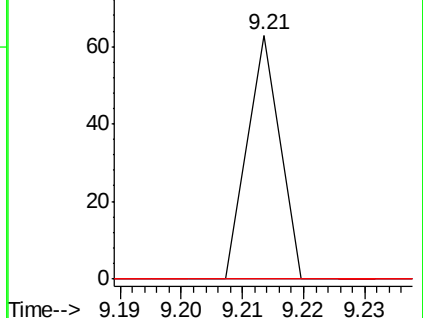
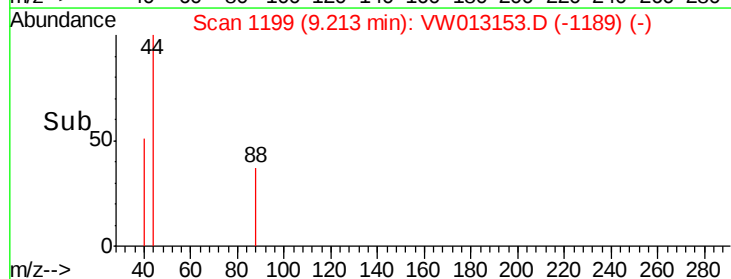
58 0.0 60.2 90.2#

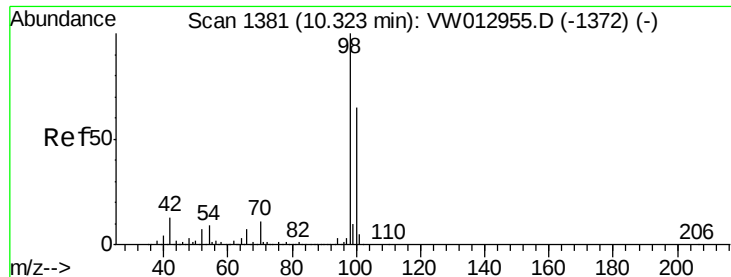


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 54.096 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013153.D

Acq: 19 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

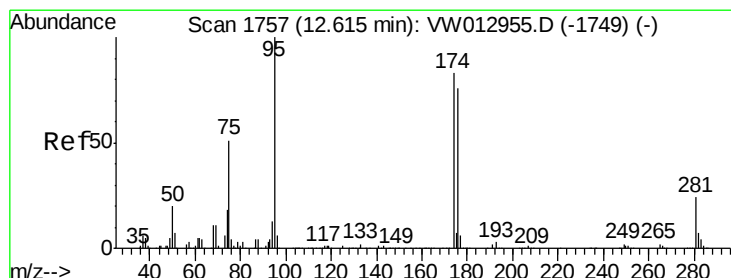
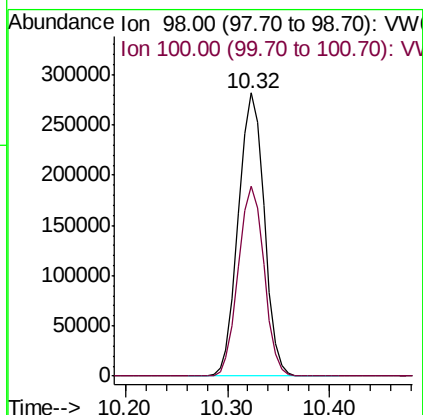
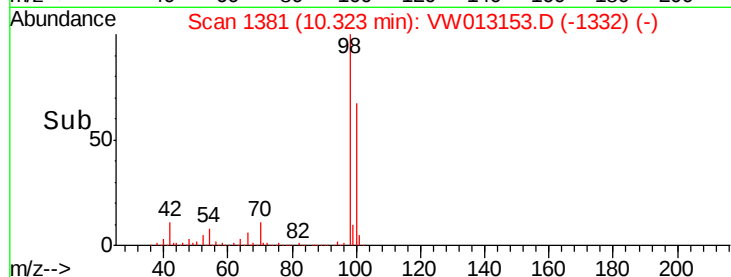
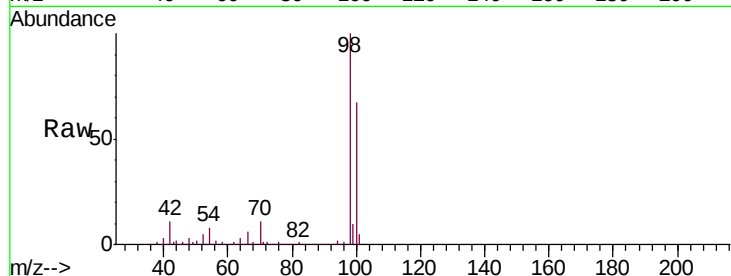
VW0919SBL01

Tgt Ion: 98 Resp: 495339

Ion Ratio Lower Upper

98 100

100 66.7 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 47.398 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013153.D

Acq: 19 Sep 2019 11:40

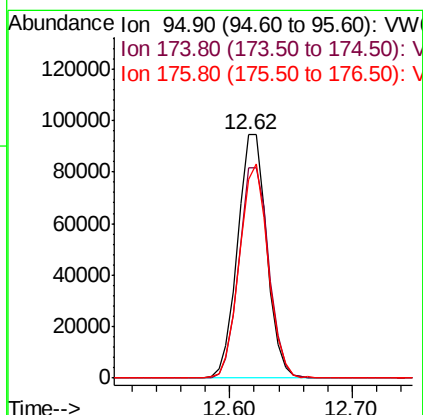
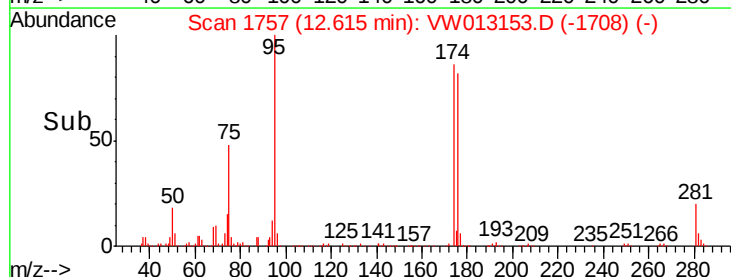
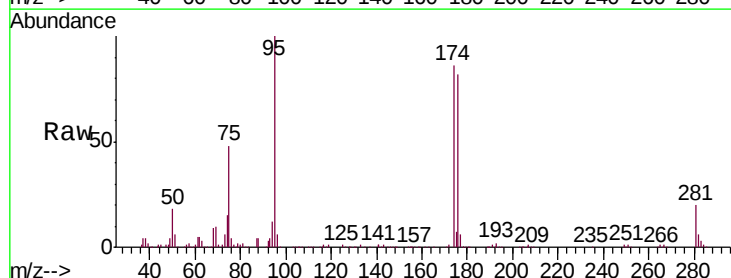
Tgt Ion: 95 Resp: 156060

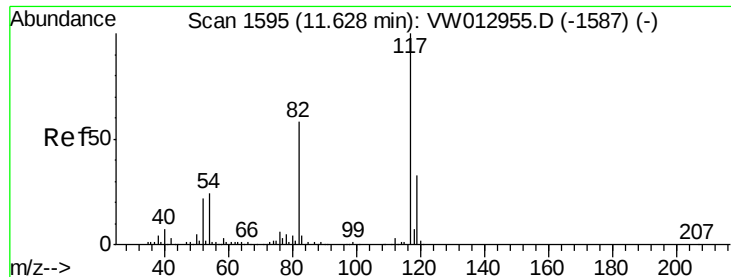
Ion Ratio Lower Upper

95 100

174 88.8 0.0 170.4

176 86.3 0.0 164.6

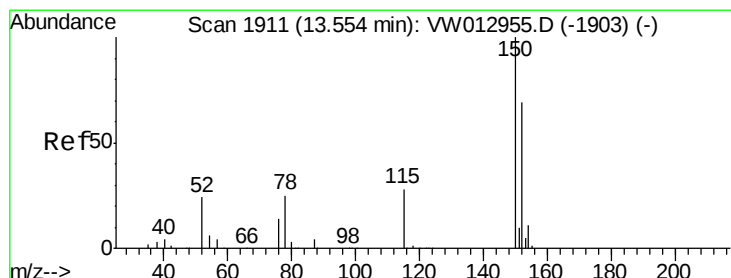
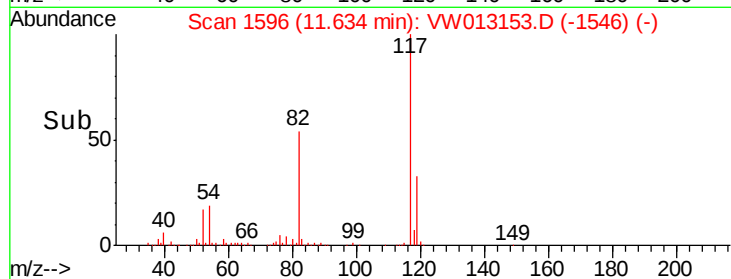
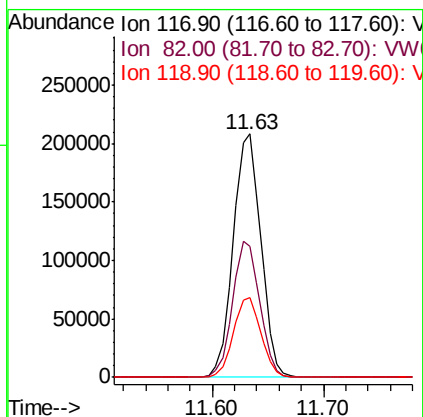
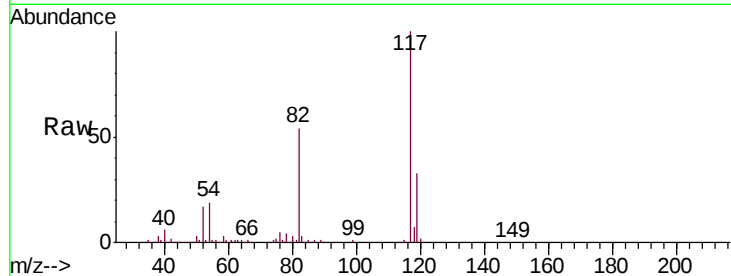




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013153.D
Acq: 19 Sep 2019 11:40

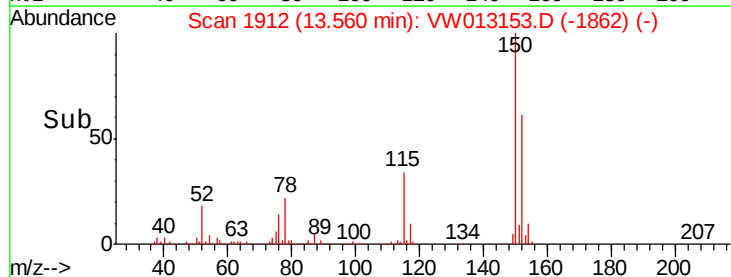
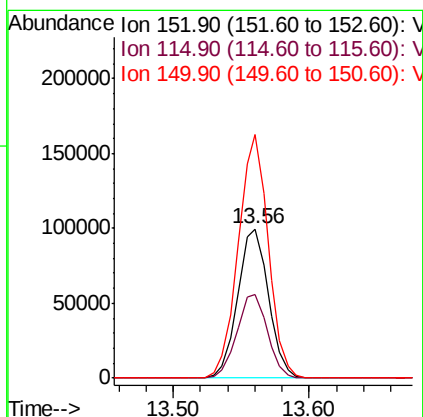
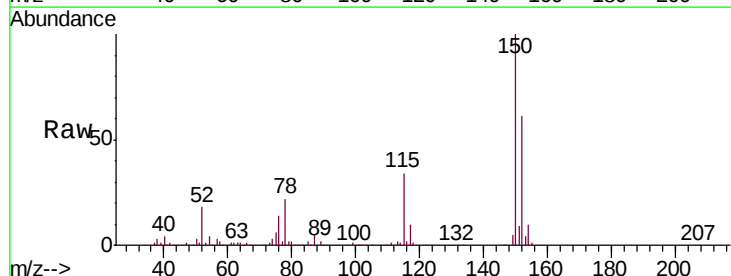
Instrument :
MSVOA_W
ClientSampled :
VW0919SBL01

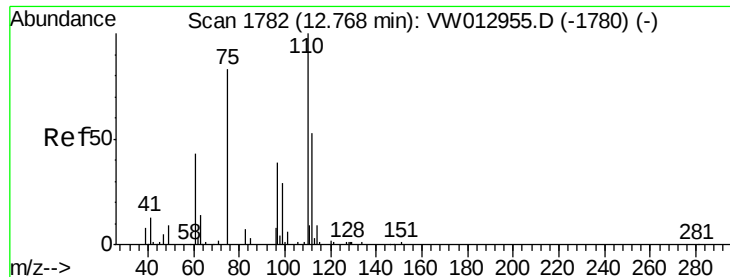
Tgt Ion:117 Resp: 357735
Ion Ratio Lower Upper
117 100
82 53.7 46.3 69.5
119 32.7 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013153.D
Acq: 19 Sep 2019 11:40

Tgt Ion:152 Resp: 157156
Ion Ratio Lower Upper
152 100
115 55.9 28.8 86.4
150 158.8 0.0 340.2





#76

1,2,3-Trichloropropane

Concen: 54.338 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013153.D

Acq: 19 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampled :

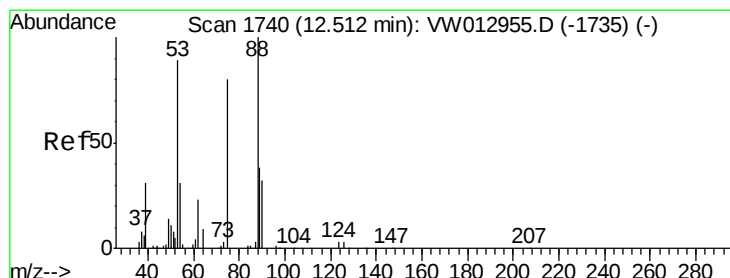
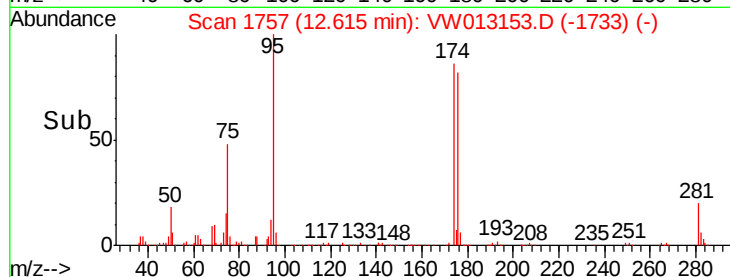
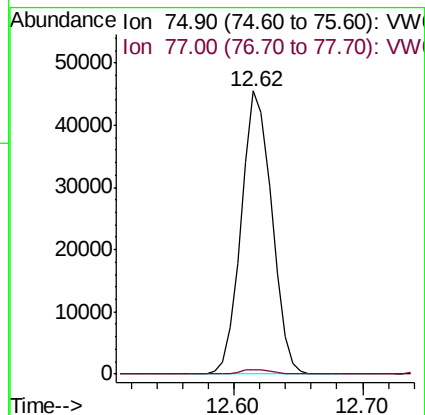
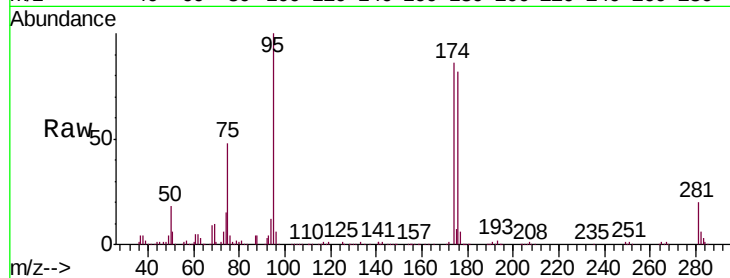
VW0919SBL01

Tgt Ion: 75 Resp: 74799

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.264 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013153.D

Acq: 19 Sep 2019 11:40

Tgt Ion: 75 Resp: 74799

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.2 37.2 55.8#

