

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
 Data File : VW008382.D
 Acq On : 21 Jan 2019 18:20
 Operator : SY/VA
 Sample : K1205-03RE
 Misc : 6.23G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C-3RE

Quant Time: Jan 22 03:43:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	56625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	105449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	101146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	44911	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	38903	66.05	ug/l	0.00
Spiked Amount			Recovery	=	132.10%	
35) Dibromofluoromethane	7.88	113	35729	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
50) Toluene-d8	10.32	98	140555	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.62	95	44570	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	

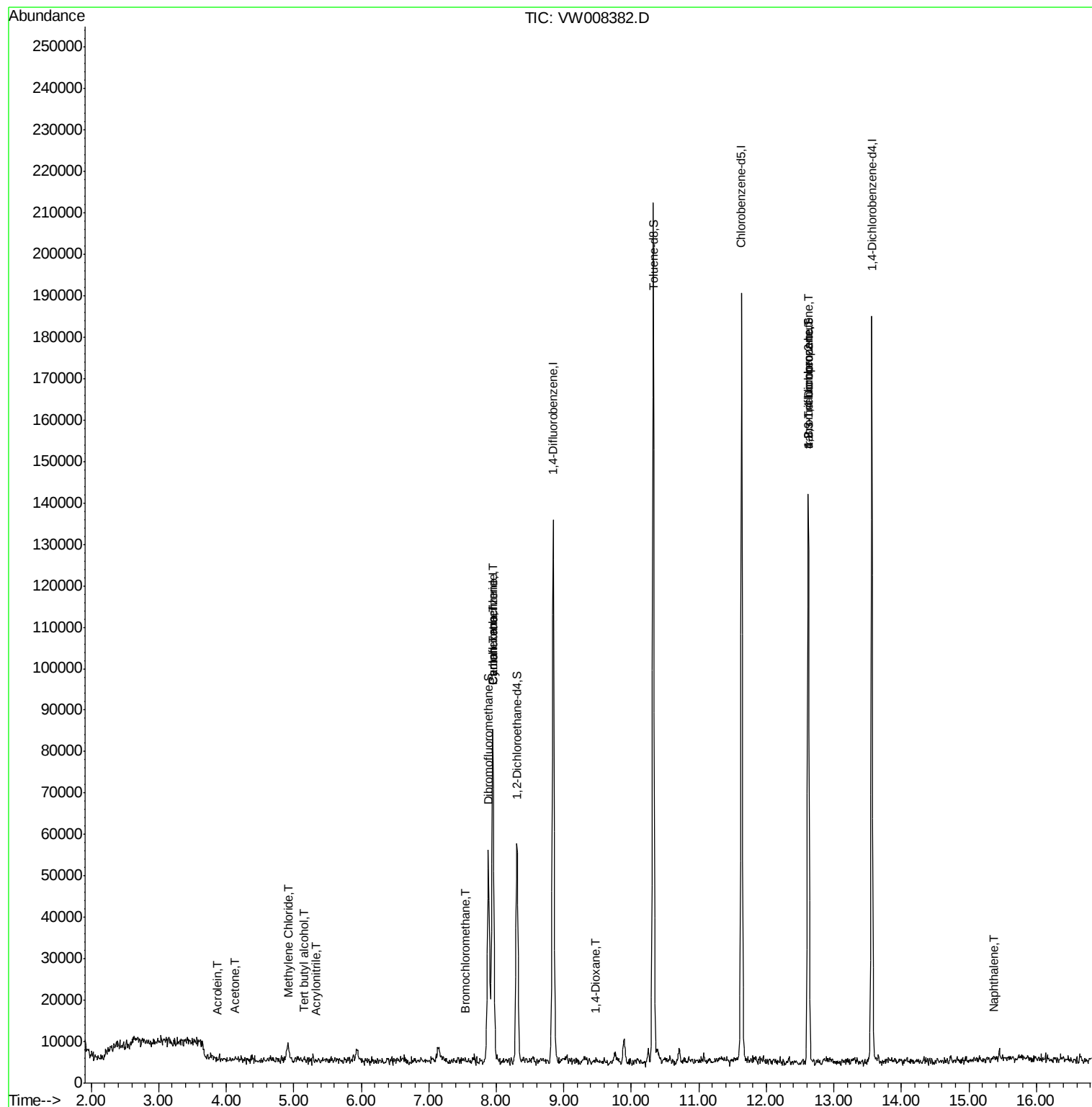
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	448	11.296	ug/l #	14
13) Acrolein	3.88	56	54	9.044	ug/l #	1
15) Acrylonitrile	5.34	53	317	2.425	ug/l #	35
16) Acetone	4.12	43	964	7.047	ug/l #	60
20) Methylene Chloride	4.92	84	3245	1.683	ug/l #	92
28) Bromochloromethane	7.54	49	575	1.209	ug/l #	83
31) Cyclohexane	7.95	56	1606	1.460	ug/l #	30
38) Carbon Tetrachloride	7.95	117	6031	5.757	ug/l #	21
49) 1,4-Dioxane	9.46	88	38	6.067	ug/l #	5
76) 1,2,3-Trichloropropane	12.62	75	23862	58.345	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	23862	139.235	ug/l #	12
95) Naphthalene	15.38	128	278	2.483	ug/l #	63

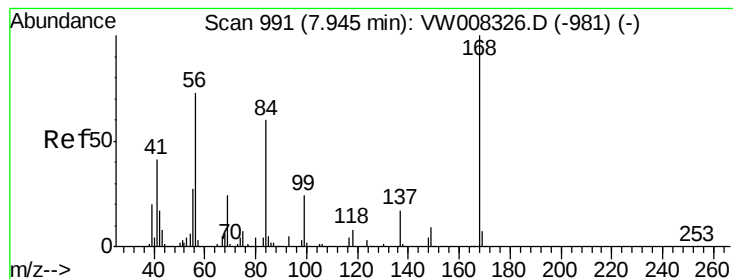
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008382.D

Acq: 21 Jan 2019 18:20

Instrument :

MSVOA_W

ClientSampled :

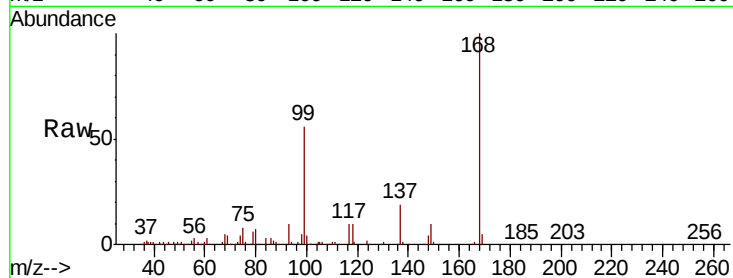
C-3RE

Tgt Ion:168 Resp: 56625

Ion Ratio Lower Upper

168 100

99 56.2 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

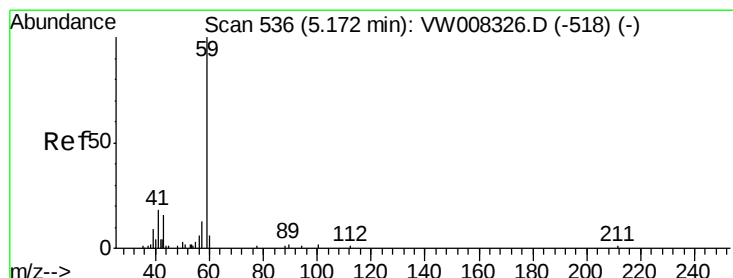
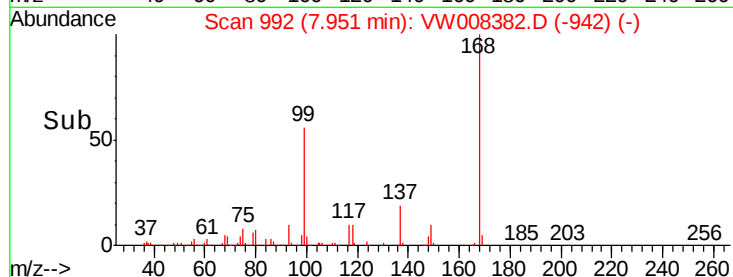
15000

10000

5000

0

Time-->



#11

Tert butyl alcohol

Concen: 11.296 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW008382.D

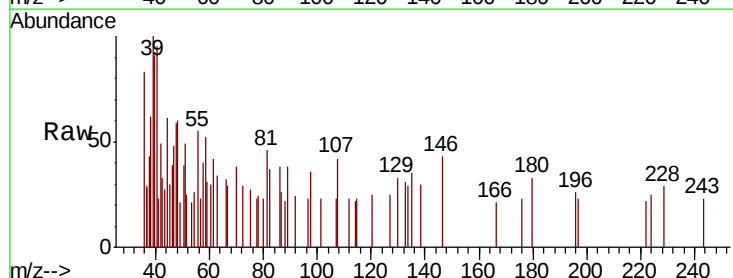
Acq: 21 Jan 2019 18:20

Tgt Ion: 59 Resp: 448

Ion Ratio Lower Upper

59 100

57 44.9 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

250

200

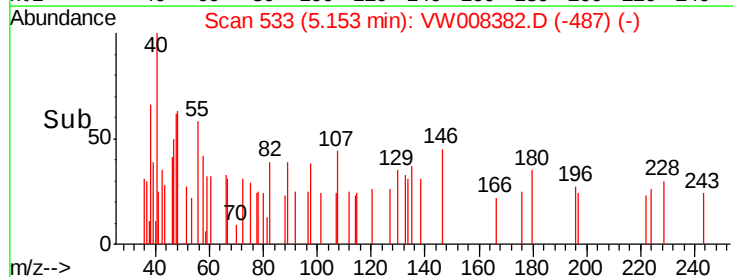
150

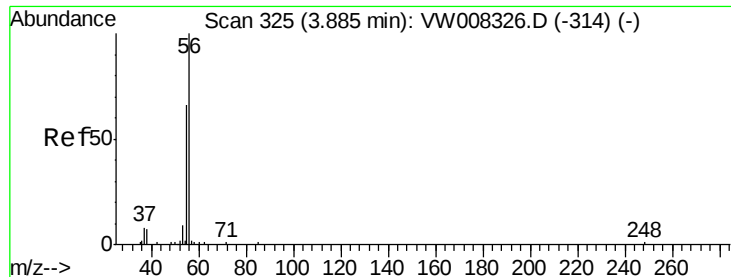
100

50

0

Time-->





#13

Acrolein

Concen: 9.044 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008382.D

Acq: 21 Jan 2019 18:20

Instrument :

MSVOA_W

ClientSampled :

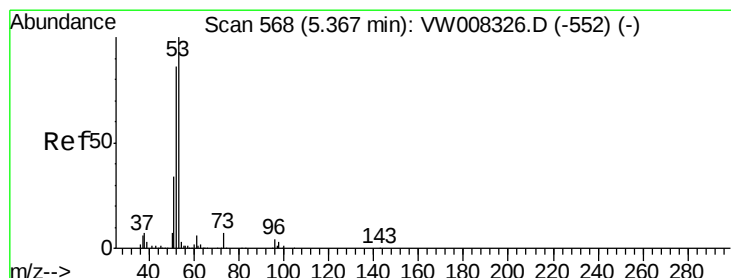
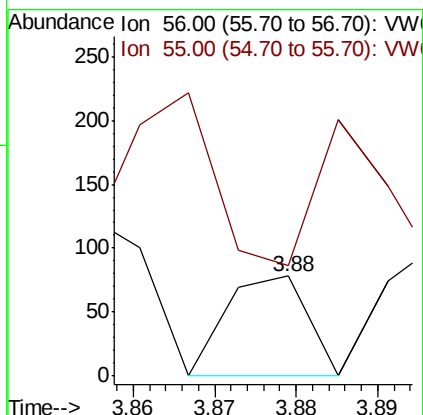
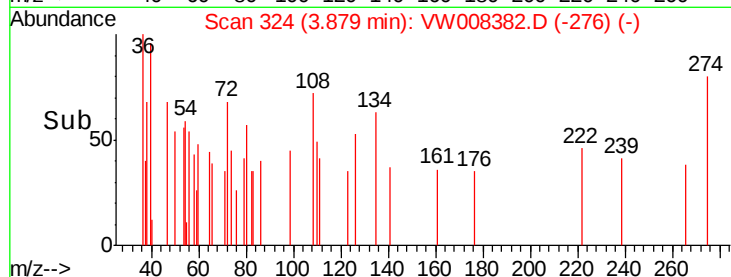
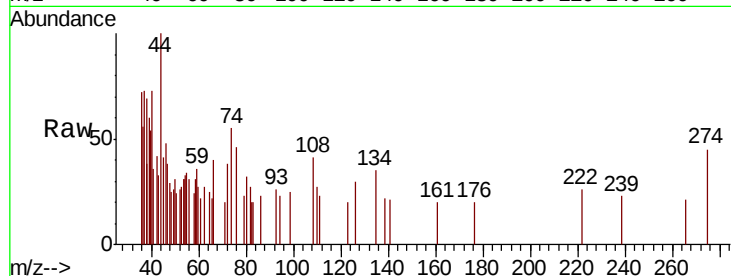
C-3RE

Tgt Ion: 56 Resp: 54

Ion Ratio Lower Upper

56 100

55 188.9 52.9 79.3#



#15

Acrylonitrile

Concen: 2.425 ug/l

RT: 5.34 min Scan# 563

Delta R.T. -0.03 min

Lab File: VW008382.D

Acq: 21 Jan 2019 18:20

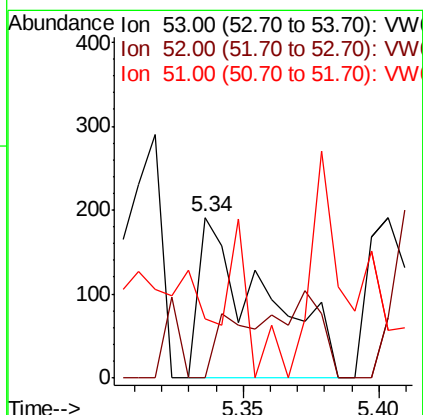
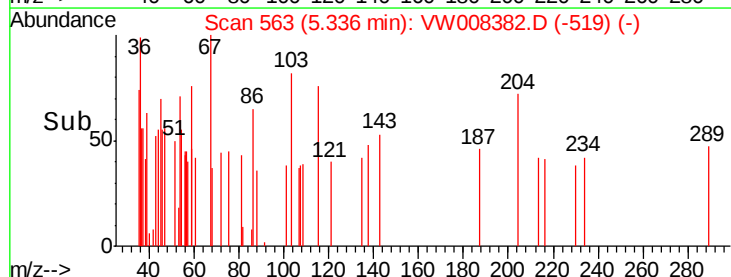
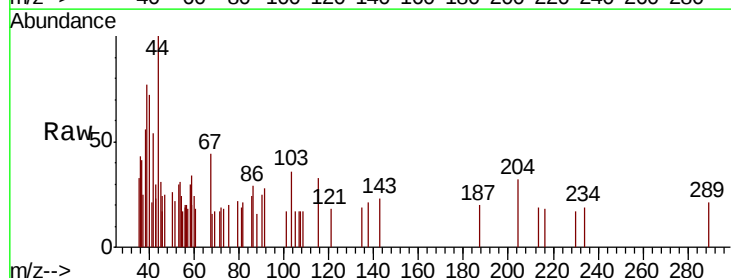
Tgt Ion: 53 Resp: 317

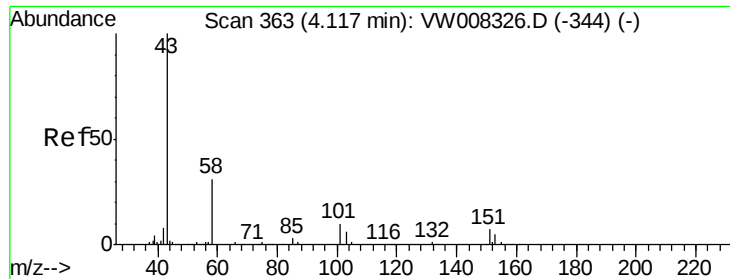
Ion Ratio Lower Upper

53 100

52 22.7 66.4 99.6#

51 0.0 29.6 44.4#

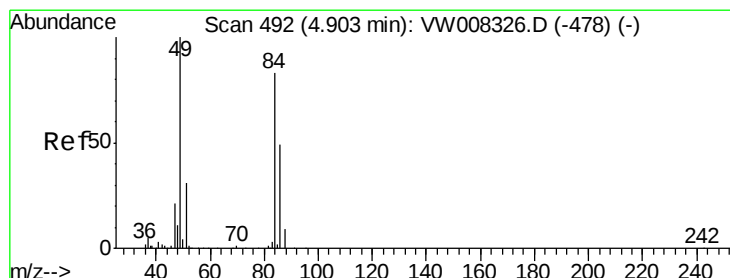
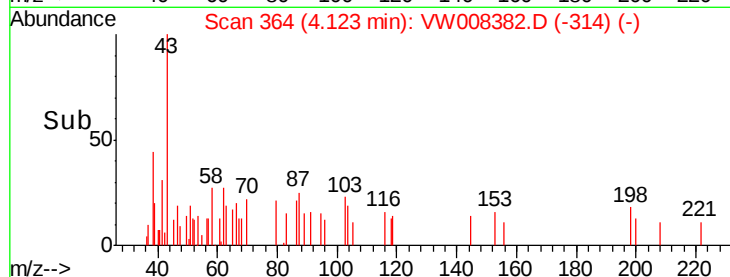
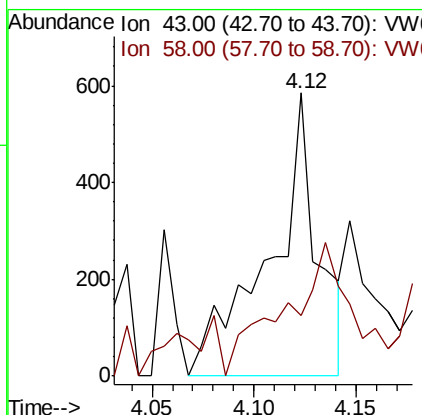
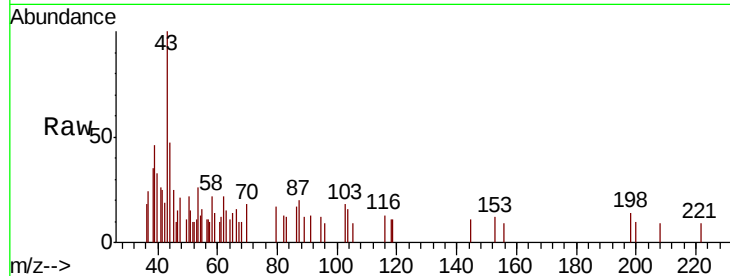




#16
Acetone
Concen: 7.047 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008382.D
Acq: 21 Jan 2019 18:20

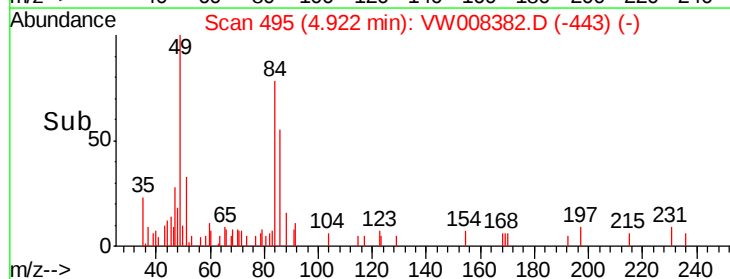
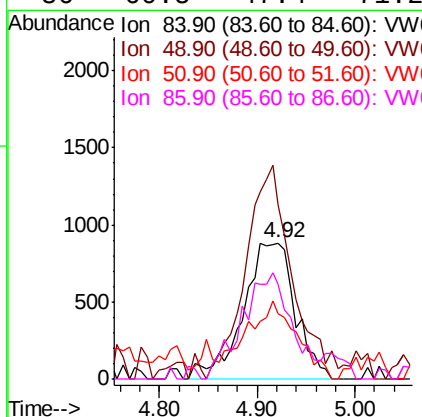
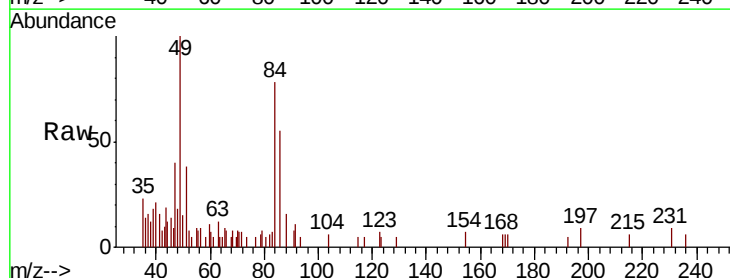
Instrument :
MSVOA_W
ClientSampleId :
C-3RE

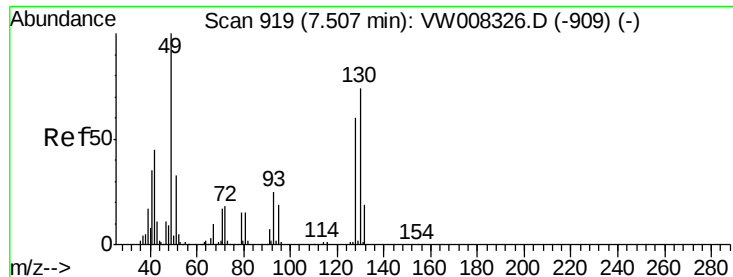
Tgt Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
58 8.9 24.7 37.1#



#20
Methylene Chloride
Concen: 1.683 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.02 min
Lab File: VW008382.D
Acq: 21 Jan 2019 18:20

Tgt Ion: 84 Resp: 3245
Ion Ratio Lower Upper
84 100
49 127.6 95.9 143.9
51 48.2 29.3 43.9#
86 60.5 47.4 71.2





#28

Bromochloromethane

Concen: 1.209 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.03 min

Lab File: VW008382.D

Acq: 21 Jan 2019 18:20

Instrument :

MSVOA_W

ClientSampleId :

C-3RE

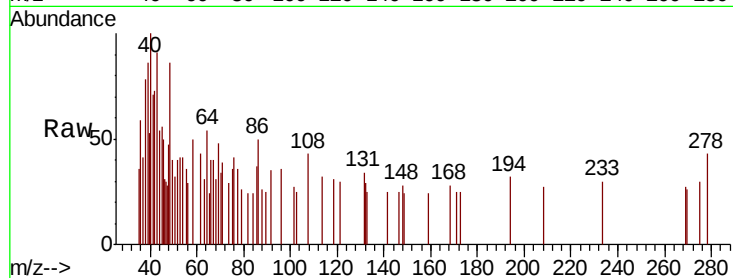
Tgt Ion: 49 Resp: 575

Ion Ratio Lower Upper

49 100

129 8.0 0.0 2.6#

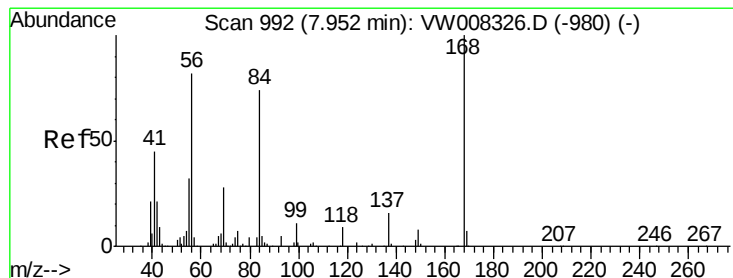
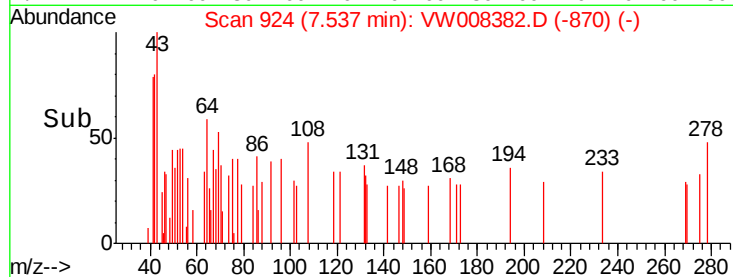
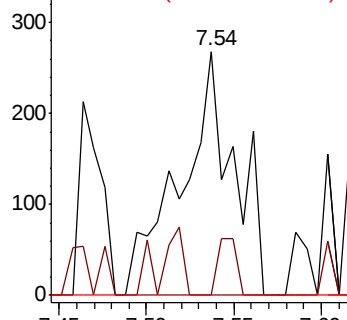
130 0.0 0.0 0.0



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.460 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008382.D

Acq: 21 Jan 2019 18:20

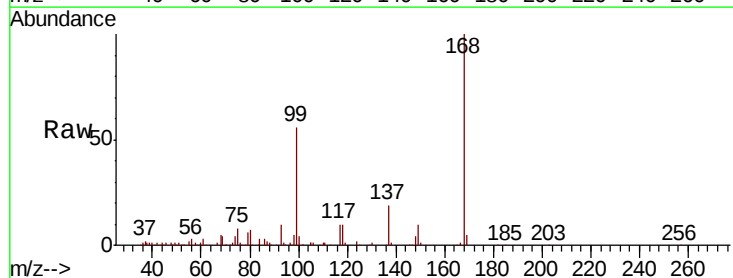
Tgt Ion: 56 Resp: 1606

Ion Ratio Lower Upper

56 100

69 140.7 27.0 40.6#

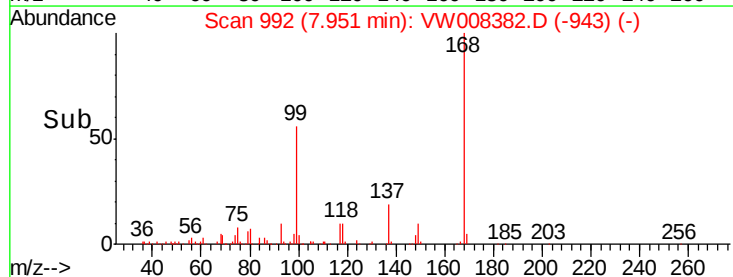
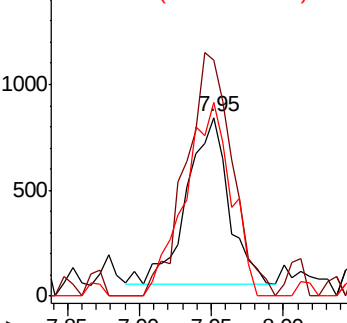
84 115.9 72.5 108.7#

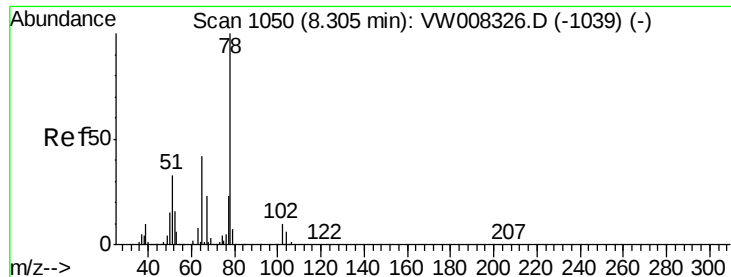


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 66.046 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008382.D

Acq: 21 Jan 2019 18:20

Instrument :

MSVOA_W

ClientSampleId :

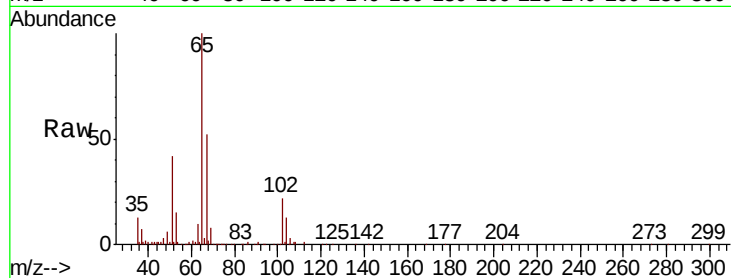
C-3RE

Tgt Ion: 65 Resp: 38903

Ion Ratio Lower Upper

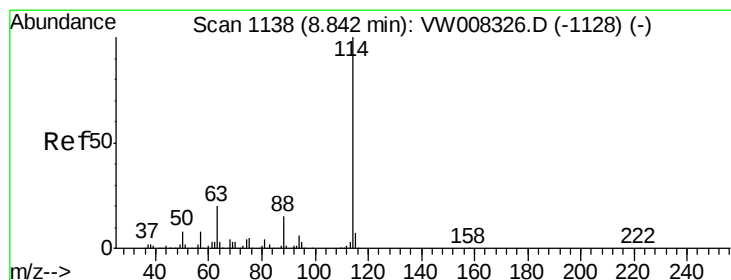
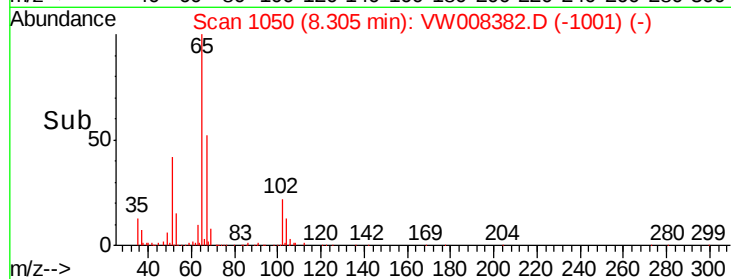
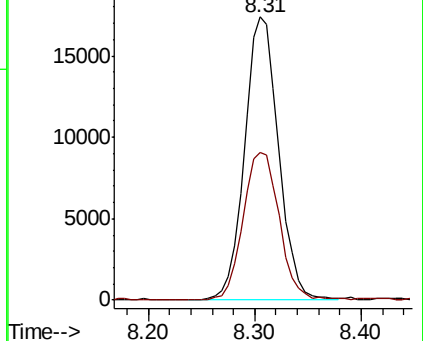
65 100

67 56.0 0.0 106.2



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: VW008382.D

Acq: 21 Jan 2019 18:20

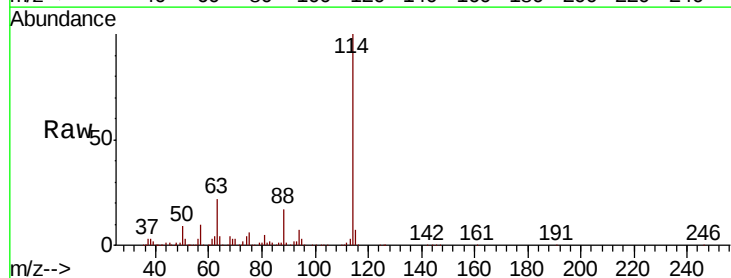
Tgt Ion: 114 Resp: 105449

Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.8

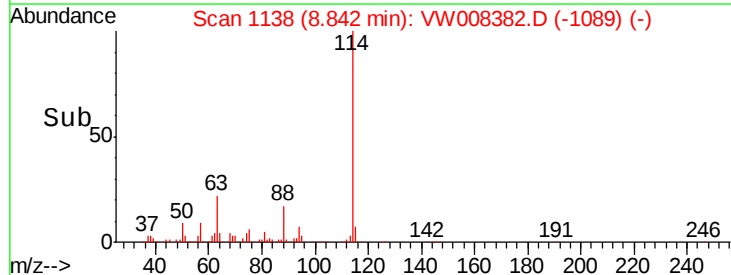
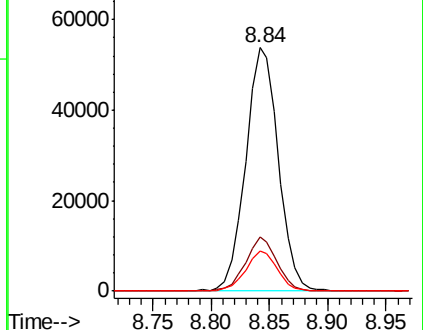
88 16.7 0.0 30.4

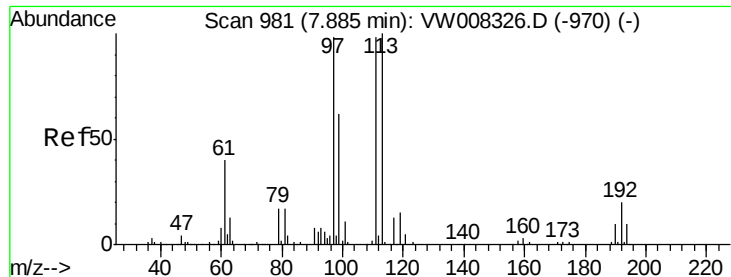


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 53.080 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008382.D

Acq: 21 Jan 2019 18:20

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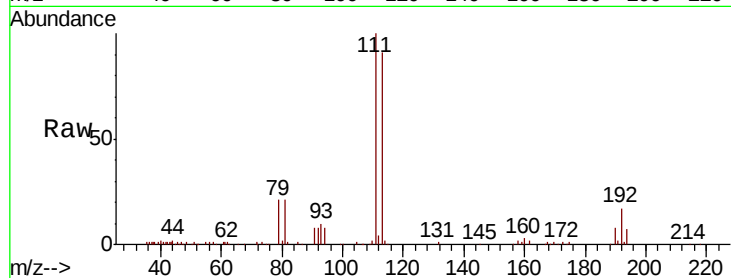
Tgt Ion:113 Resp: 35729

Ion Ratio Lower Upper

113 100

111 104.7 81.8 122.8

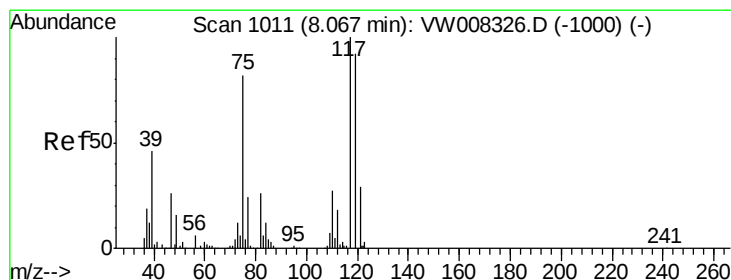
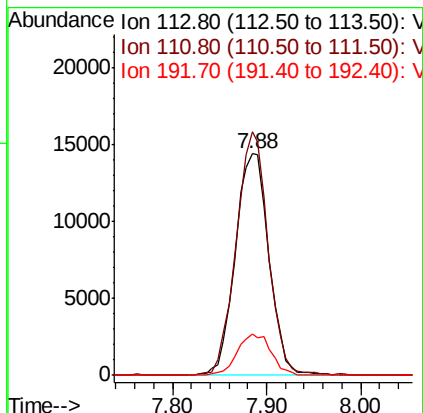
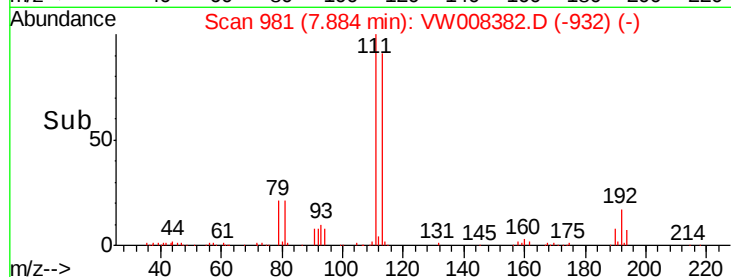
192 18.7 16.3 24.5



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



#38

Carbon Tetrachloride

Concen: 5.757 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008382.D

Acq: 21 Jan 2019 18:20

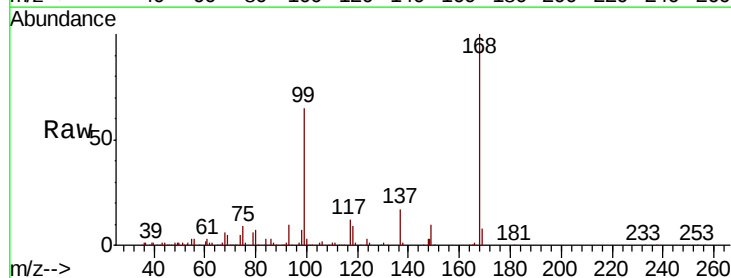
Tgt Ion:117 Resp: 6031

Ion Ratio Lower Upper

117 100

119 7.8 73.8 110.6#

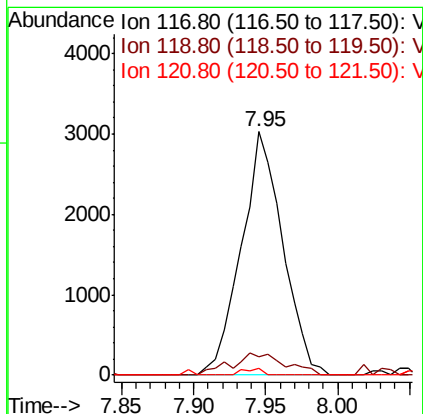
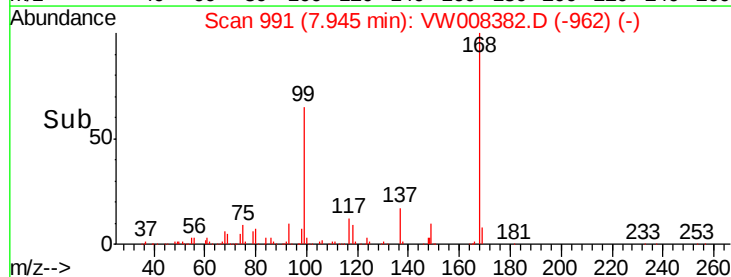
121 2.6 23.4 35.0#

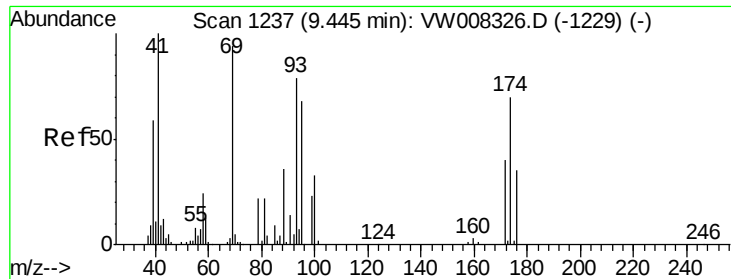


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

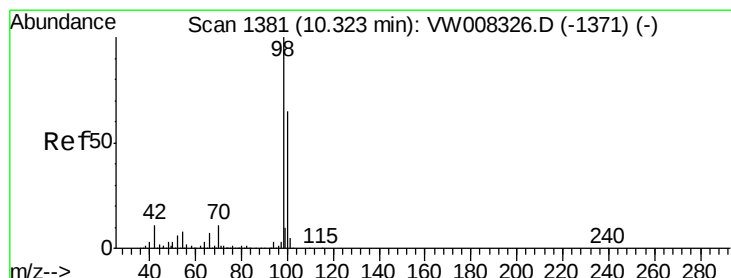
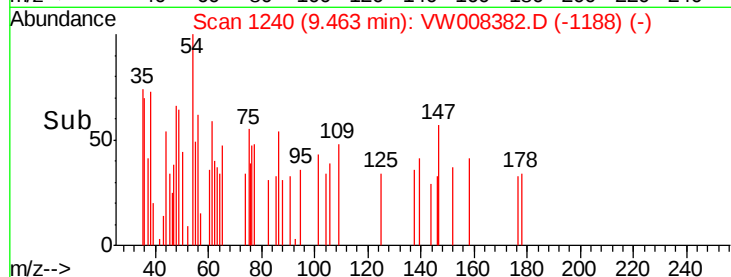
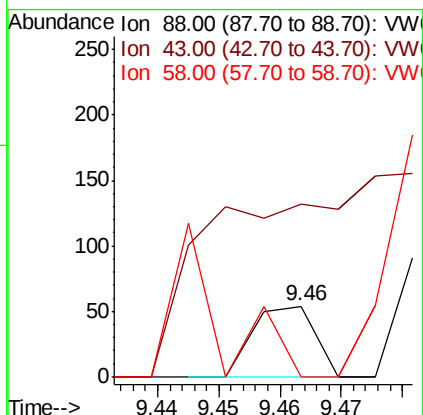
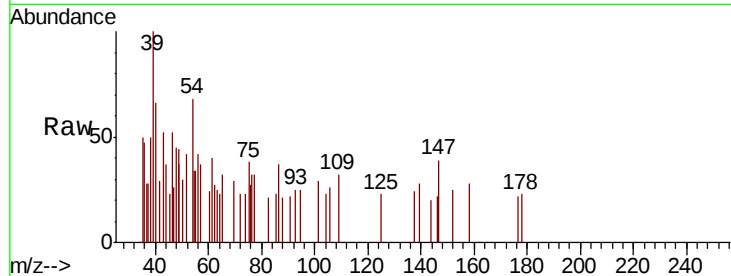




#49
1,4-Dioxane
Concen: 6.067 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW008382.D
Acq: 21 Jan 2019 18:20

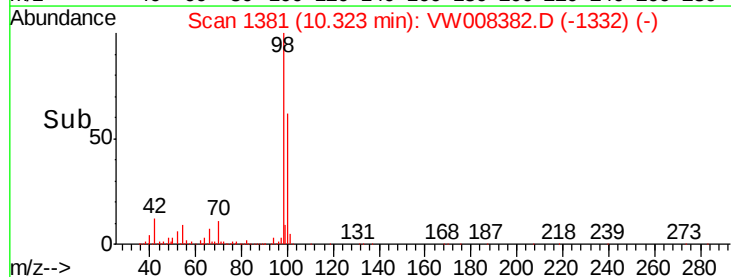
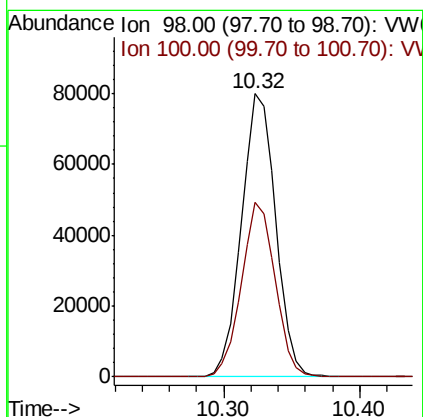
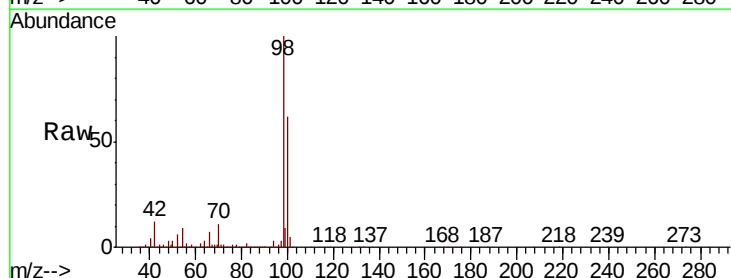
Instrument :
MSVOA_W
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C-3RE

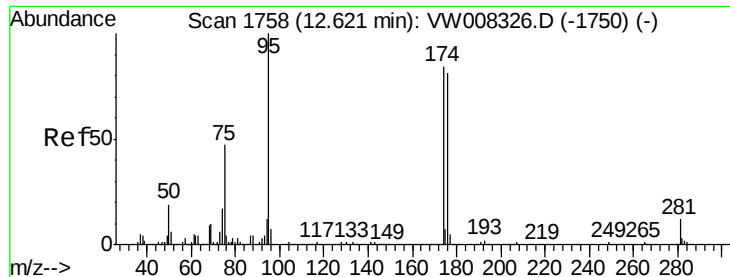
Tgt Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 165.8 57.9 86.9#



#50
Toluene-d8
Concen: 53.152 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008382.D
Acq: 21 Jan 2019 18:20

Tgt Ion: 98 Resp: 140555
Ion Ratio Lower Upper
98 100
100 61.1 51.8 77.8

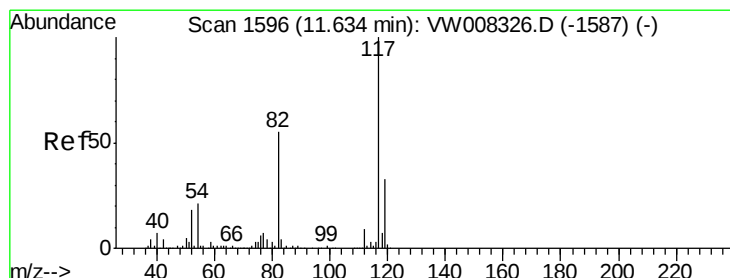
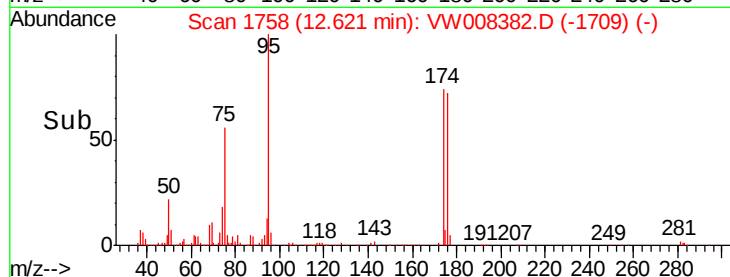
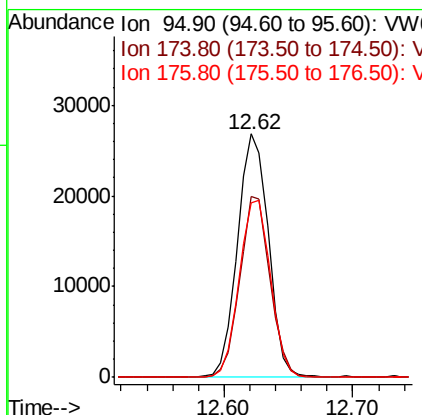
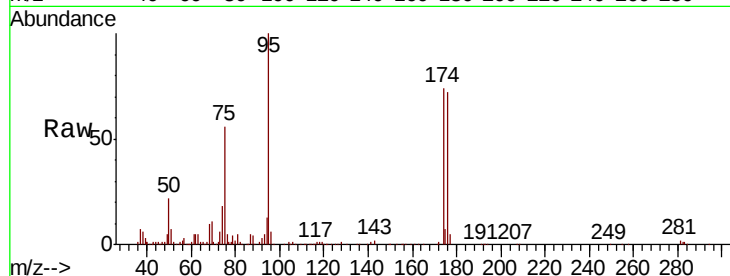




#62
4-Bromofluorobenzene
Concen: 46.995 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008382.D
Acq: 21 Jan 2019 18:20

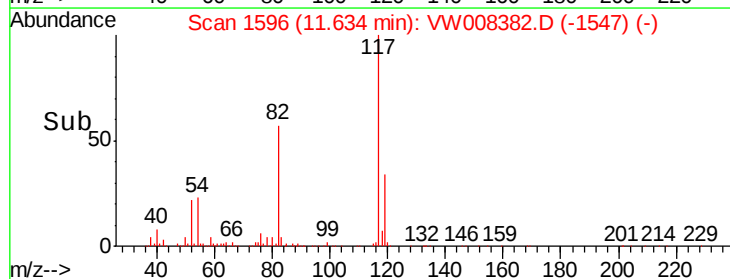
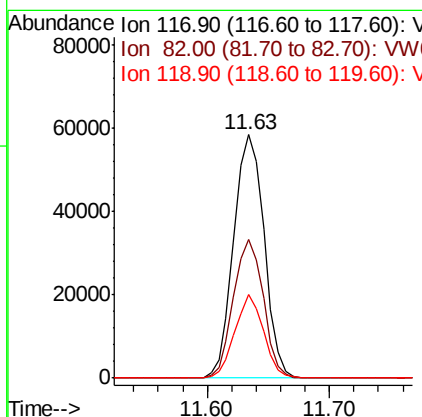
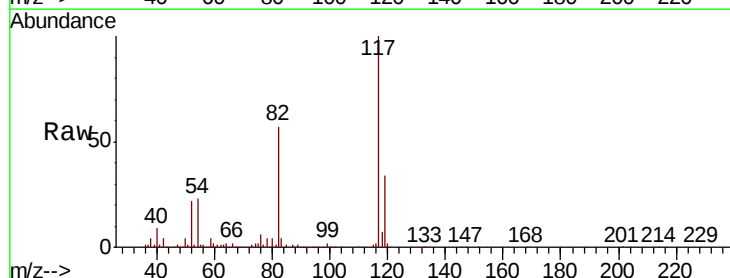
Instrument :
MSVOA_W
ClientSampleId :
C-3RE

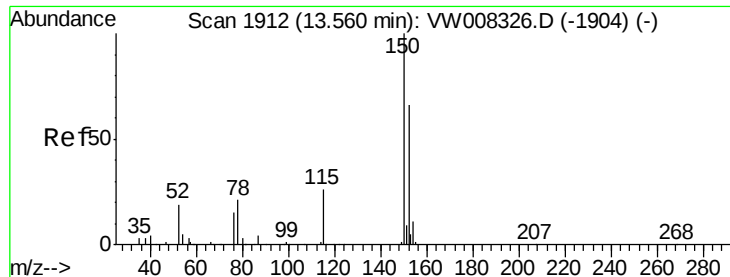
Tgt Ion: 95 Resp: 44570
Ion Ratio Lower Upper
95 100
174 72.6 0.0 166.0
176 73.6 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008382.D
Acq: 21 Jan 2019 18:20

Tgt Ion: 117 Resp: 101146
Ion Ratio Lower Upper
117 100
82 56.8 44.3 66.5
119 34.0 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW008382.D

Acq: 21 Jan 2019 18:20

Instrument :

MSVOA_W

ClientSampleId :

C-3RE

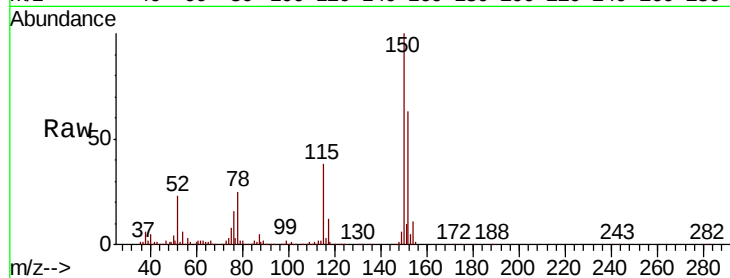
Tgt Ion:152 Resp: 44911

Ion Ratio Lower Upper

152 100

115 59.8 28.8 86.4

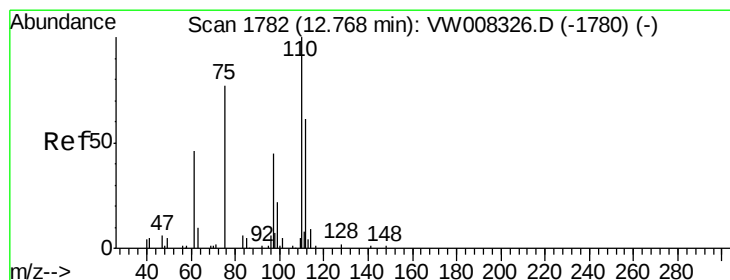
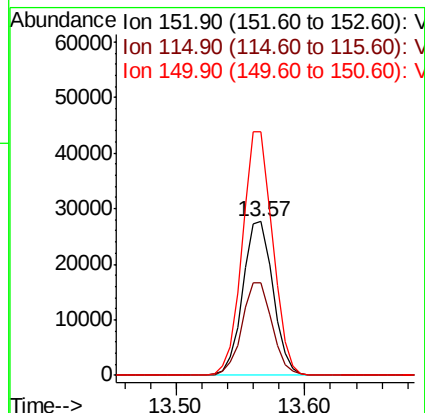
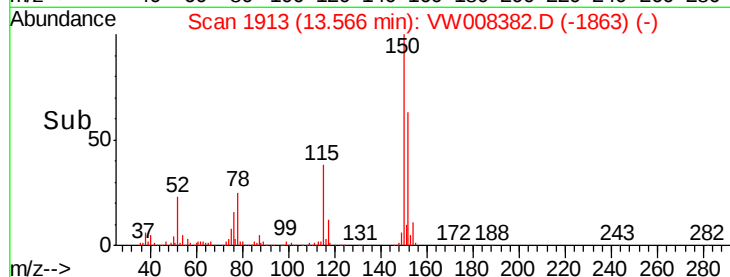
150 158.1 0.0 351.4



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: 58.345 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008382.D

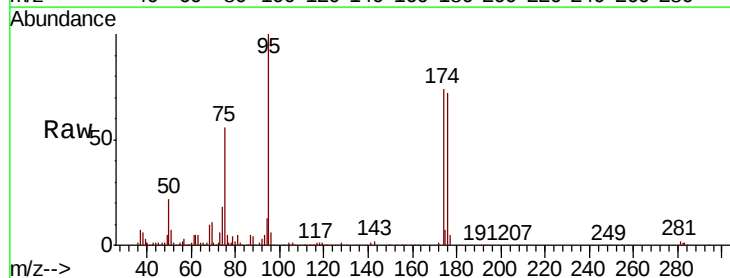
Acq: 21 Jan 2019 18:20

Tgt Ion: 75 Resp: 23862

Ion Ratio Lower Upper

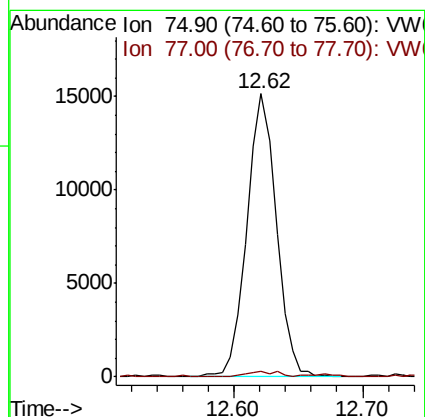
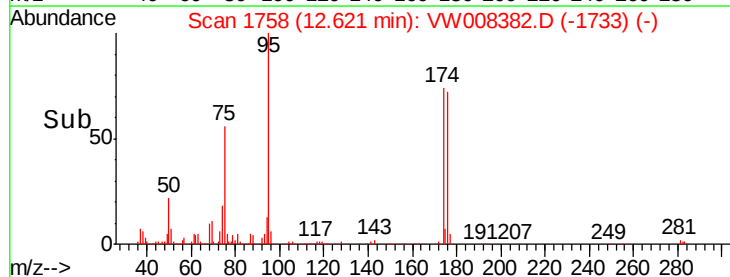
75 100

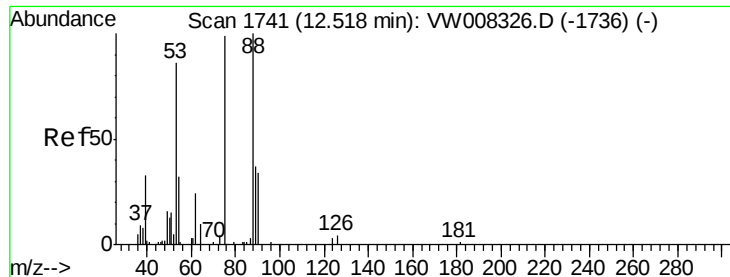
77 2.2 175.3 526.1#



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: 139.235 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008382.D

Acq: 21 Jan 2019 18:20

Instrument :

MSVOA_W

ClientSampled :

C-3RE

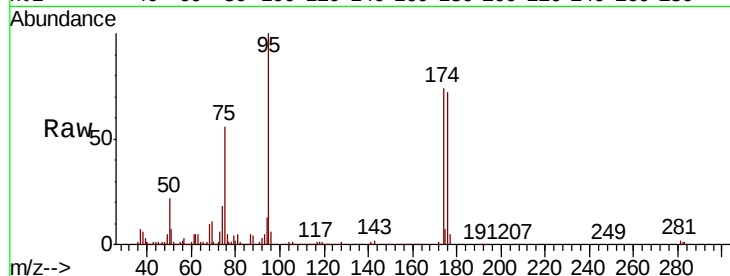
Tgt Ion: 75 Resp: 23862

Ion Ratio Lower Upper

75 100

53 0.4 76.2 114.4#

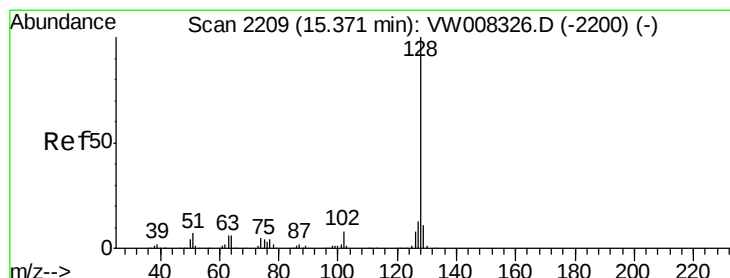
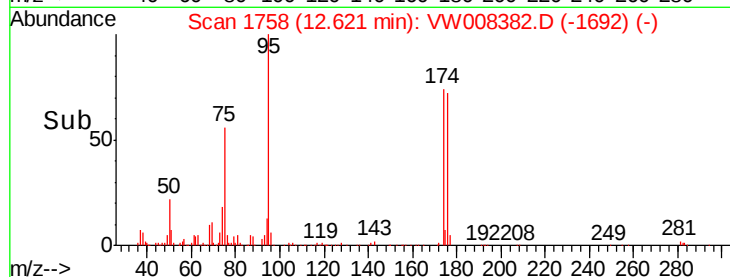
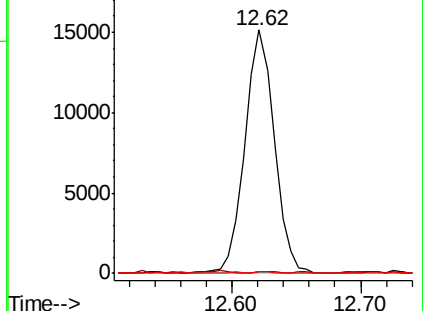
89 0.4 36.7 55.1#



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



#95

Naphthalene

Concen: 2.483 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW008382.D

Acq: 21 Jan 2019 18:20

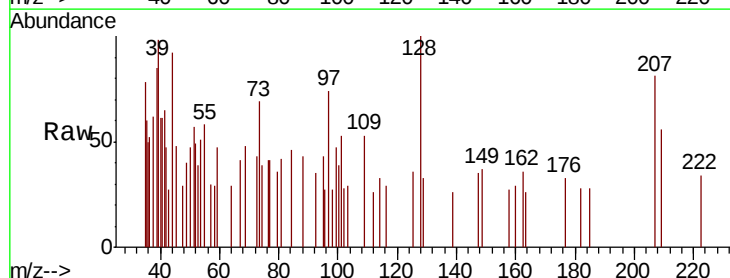
Tgt Ion: 128 Resp: 278

Ion Ratio Lower Upper

128 100

127 38.1 10.5 15.7#

129 8.6 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

