

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009262.D
 Acq On : 20 Mar 2019 02:52
 Operator : SY/VA
 Sample : K1971-09
 Misc : 3.41G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-15(1-2)-031519

Quant Time: Mar 20 08:21:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	255211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	425536	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147448	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	174115	64.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.28%	
35) Dibromofluoromethane	7.88	113	146774	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
50) Toluene-d8	10.32	98	514586	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
62) 4-Bromofluorobenzene	12.62	95	166973	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds

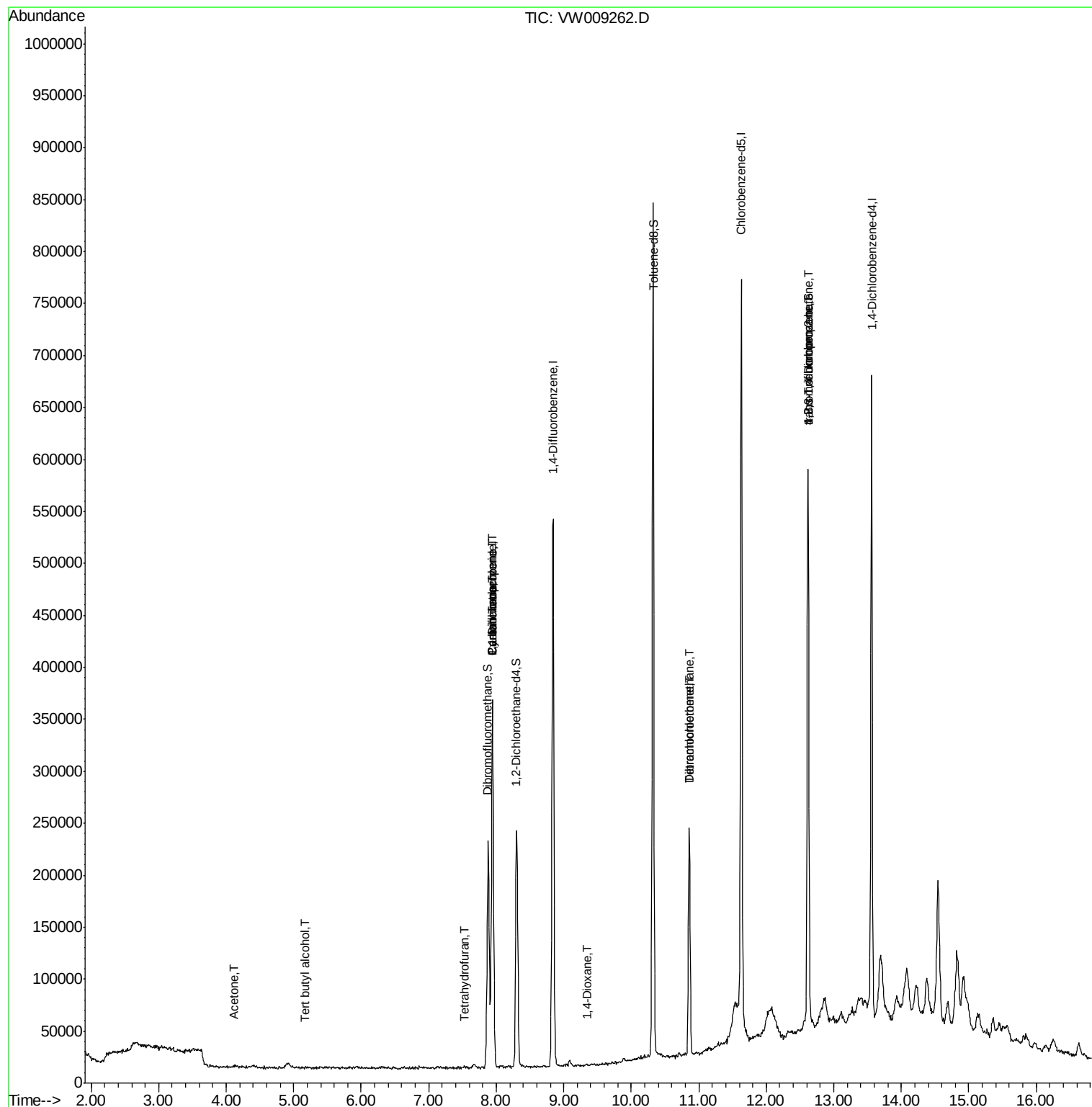
						Qvalue
2) Dichlorodifluoromethane	2.01	85	196	Below Cal	#	41
11) Tert butyl alcohol	5.18	59	212	1.345	ug/l #	70
16) Acetone	4.12	43	2780	4.992	ug/l #	71
20) Methylene Chloride	4.92	84	3448	Below Cal	#	85
29) Tetrahydrofuran	7.53	42	795	1.567	ug/l #	75
31) Cyclohexane	7.94	56	7110	1.596	ug/l #	39
36) 1,1-Dichloropropene	7.95	75	20687	4.885	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24998	5.578	ug/l #	15
49) 1,4-Dioxane	9.35	88	48	1.928	ug/l #	1
60) Dibromochloromethane	10.86	129	37521	13.972	ug/l #	12
64) Tetrachloroethene	10.86	164	45460	17.957	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	92075	66.451	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	92075	163.052	ug/l #	7

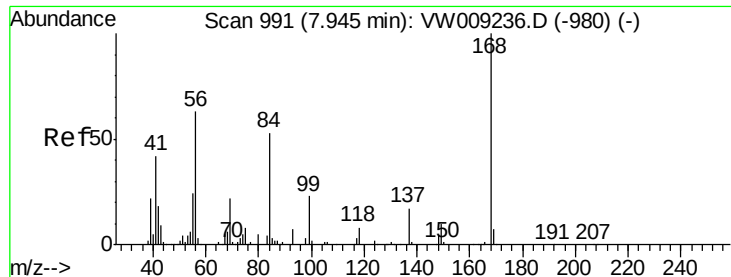
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW009262.D

Acq: 20 Mar 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

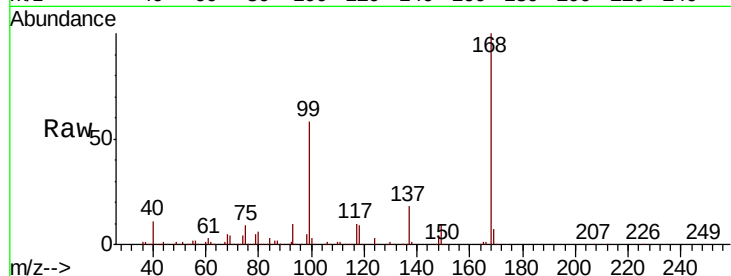
SB-15(1-2)-031519

Tot Ion:168 Resp: 255211

Ion Ratio Lower Upper

168 100

99 58.5 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

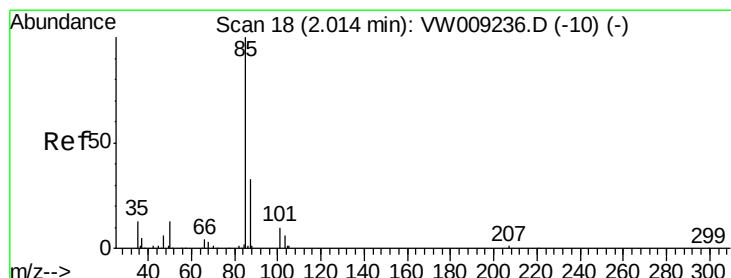
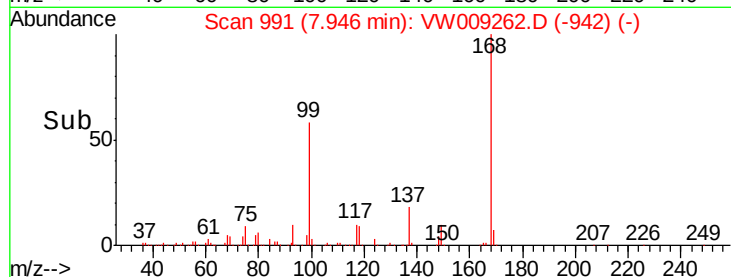
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009262.D

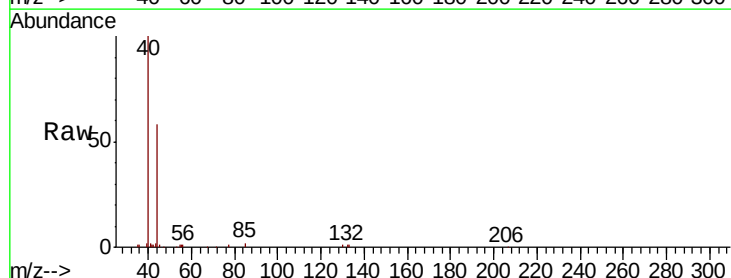
Acq: 20 Mar 2019 02:52

Tgt Ion: 85 Resp: 196

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

250

200

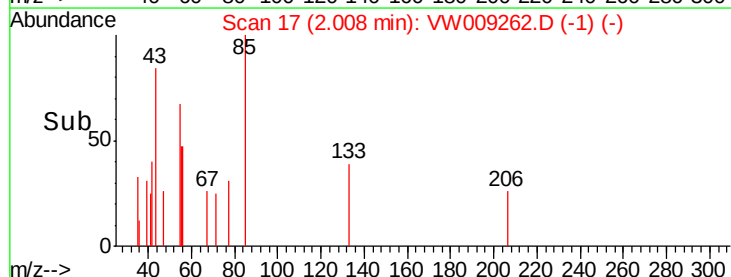
150

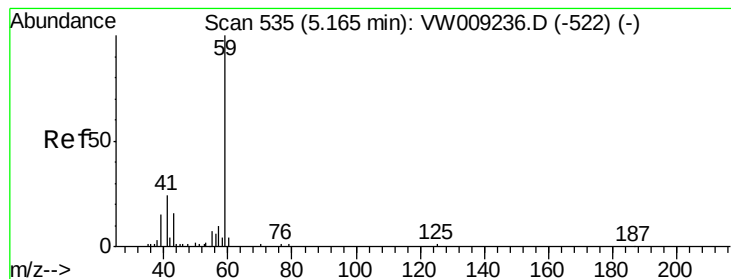
100

50

0

Time--> 1.98 2.00 2.02





#11

Tert butyl alcohol

Concen: 1.345 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW009262.D

Acq: 20 Mar 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

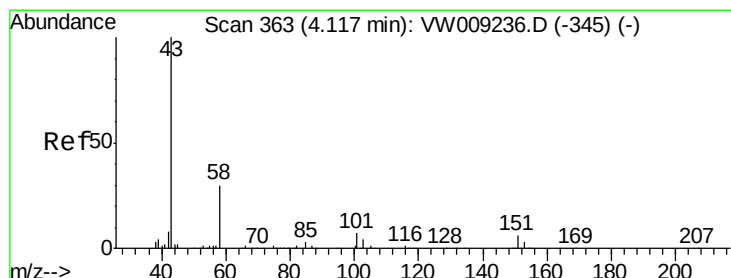
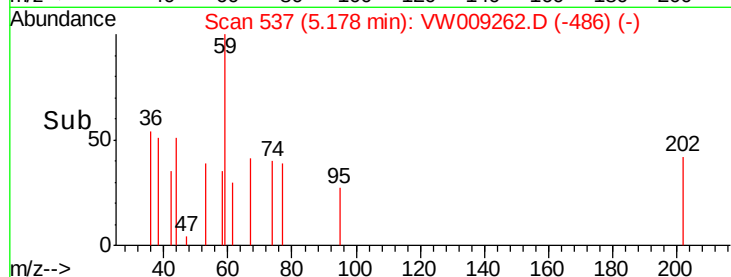
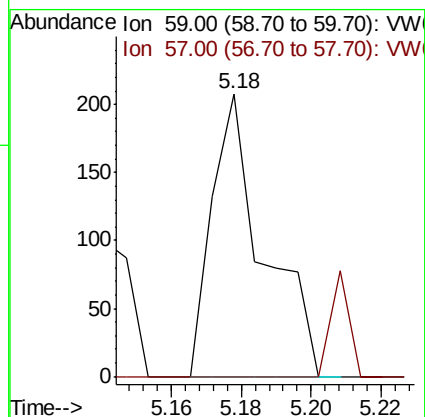
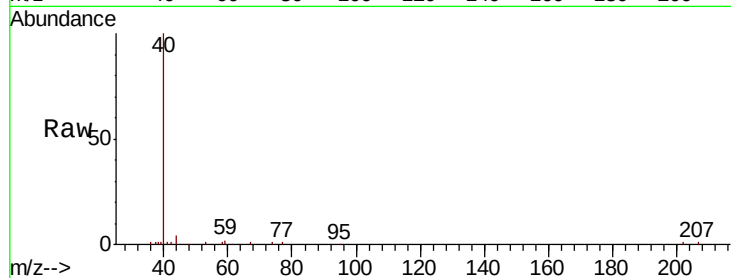
SB-15(1-2)-031519

Tot Ion: 59 Resp: 212

Ion Ratio Lower Upper

59 100

57 0.0 9.4 14.0#



#16

Acetone

Concen: 4.992 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009262.D

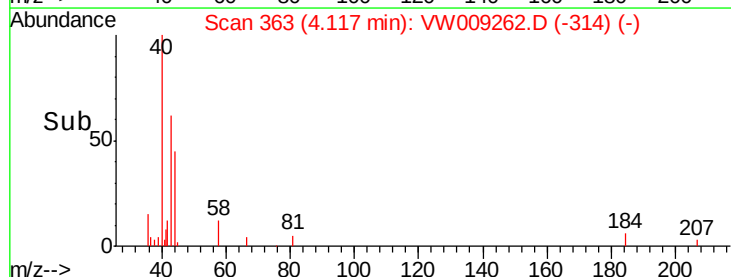
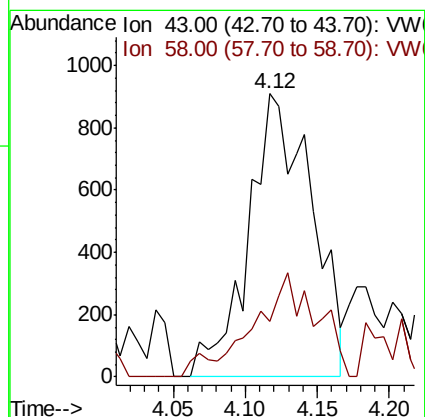
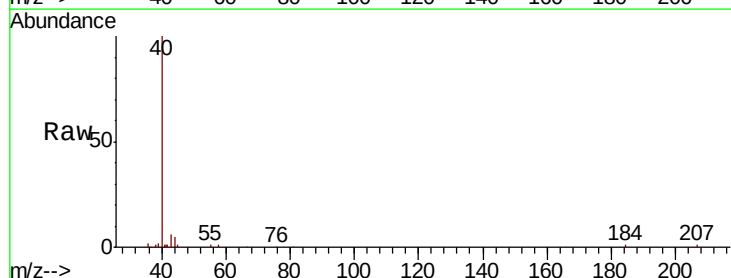
Acq: 20 Mar 2019 02:52

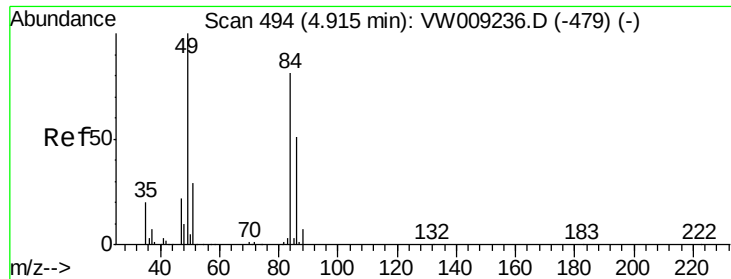
Tgt Ion: 43 Resp: 2780

Ion Ratio Lower Upper

43 100

58 14.0 23.6 35.4#

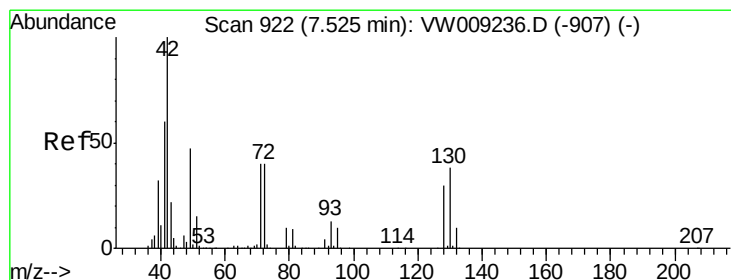
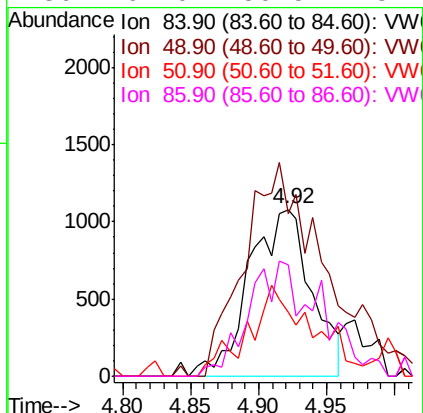
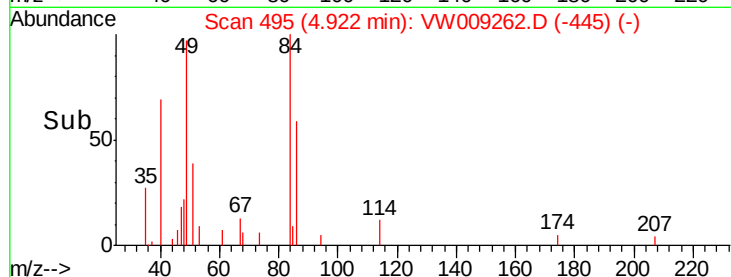
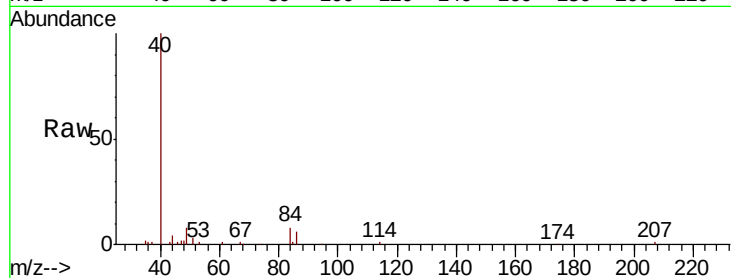




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009262.D
Acq: 20 Mar 2019 02:52

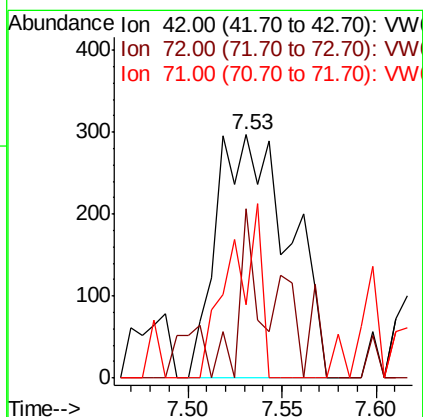
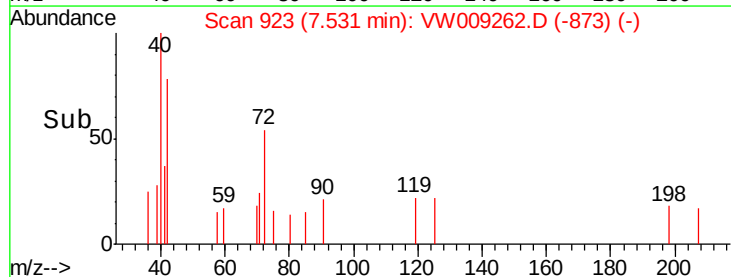
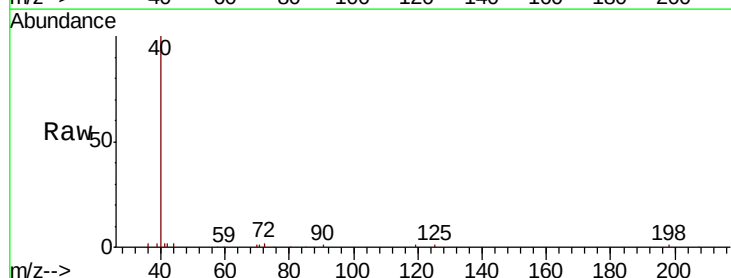
Instrument :
MSVOA_W
ClientSampleId :
SB-15(1-2)-031519

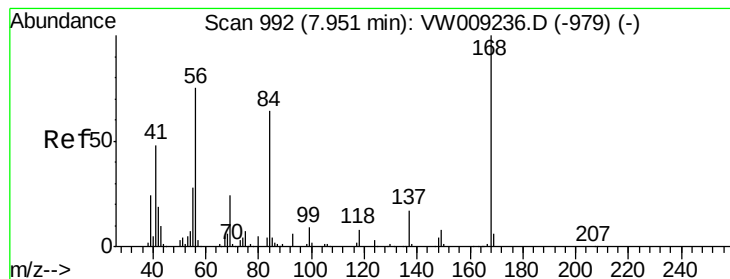
Tot Ion: 84 Resp: 3448
Ion Ratio Lower Upper
84 100
49 97.1 99.1 148.7#
51 38.6 28.7 43.1
86 67.0 50.5 75.7



#29
Tetrahydrofuran
Concen: 1.567 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009262.D
Acq: 20 Mar 2019 02:52

Tgt Ion: 42 Resp: 795
Ion Ratio Lower Upper
42 100
72 18.0 32.4 48.6#
71 30.2 30.1 45.1





#31

Cyclohexane

Concen: 1.596 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW009262.D

Acq: 20 Mar 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

SB-15(1-2)-031519

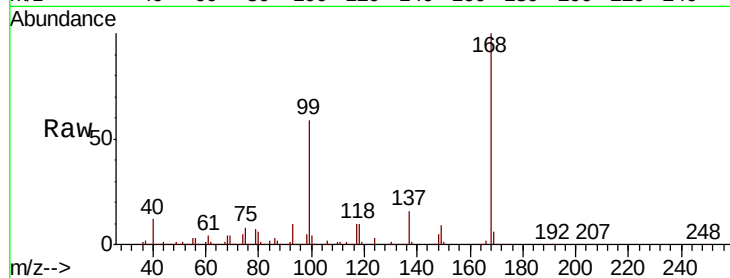
Tot Ion: 56 Resp: 7110

Ion Ratio Lower Upper

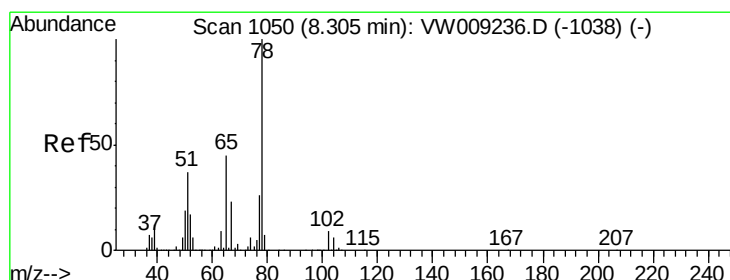
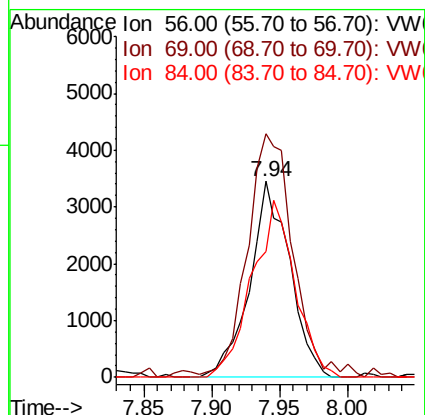
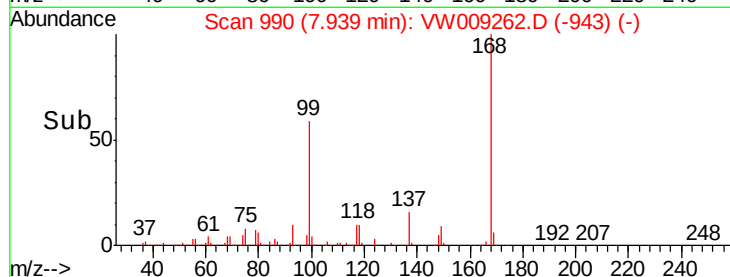
56 100

69 121.8 26.1 39.1#

84 64.1 68.6 103.0#



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: 64.140 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW009262.D

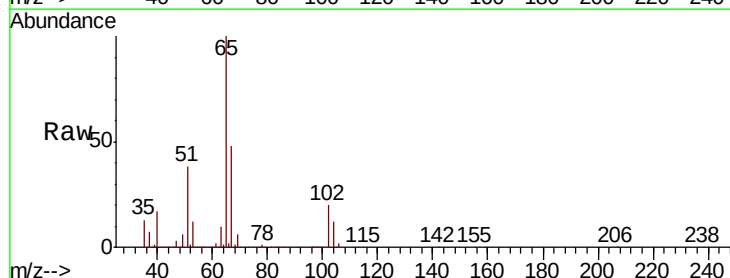
Acq: 20 Mar 2019 02:52

Tgt Ion: 65 Resp: 174115

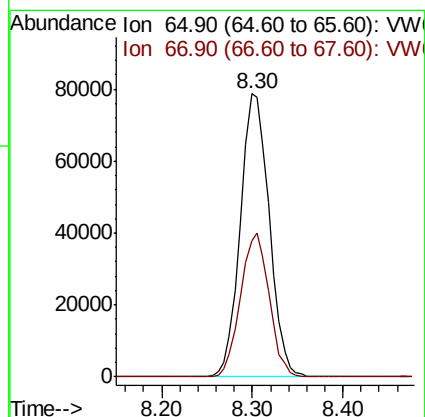
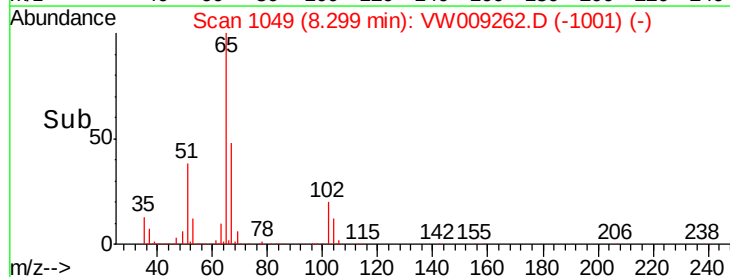
Ion Ratio Lower Upper

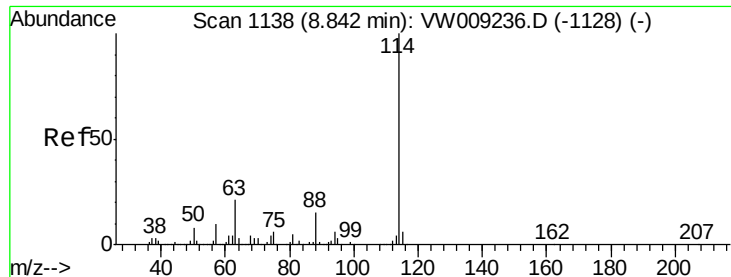
65 100

67 50.3 0.0 102.4



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: VW009262.D

Acq: 20 Mar 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

SB-15(1-2)-031519

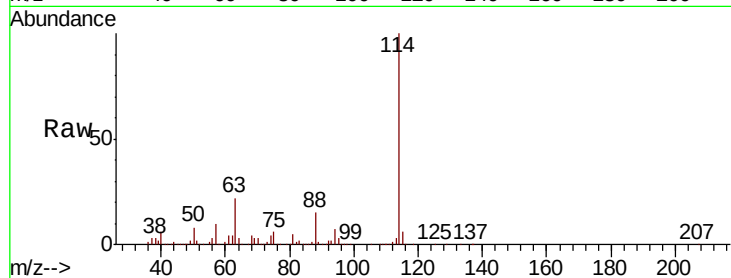
Tot Ion:114 Resp: 425536

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.2

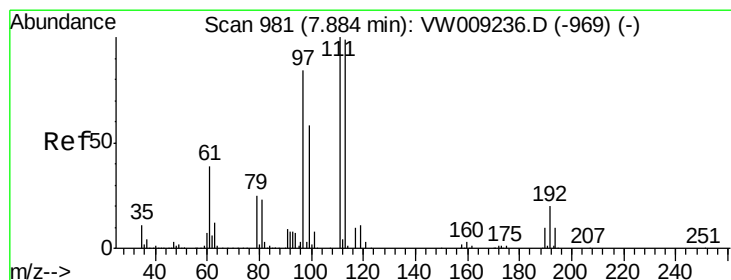
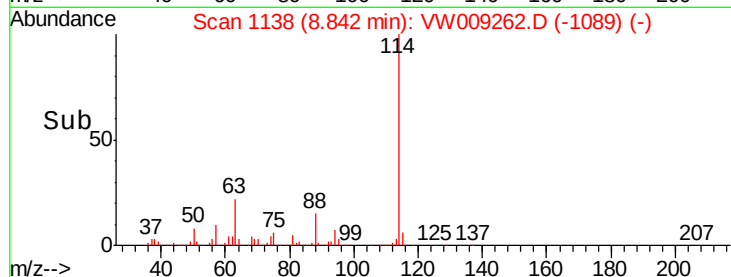
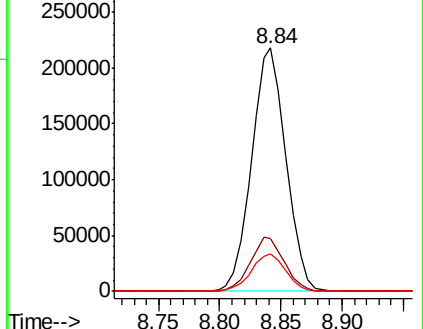
88 15.3 0.0 30.8



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: 54.374 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009262.D

Acq: 20 Mar 2019 02:52

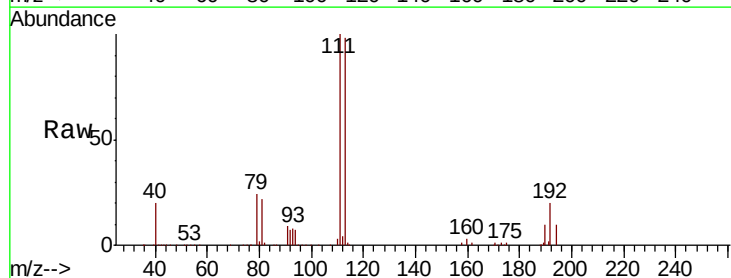
Tgt Ion:113 Resp: 146774

Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

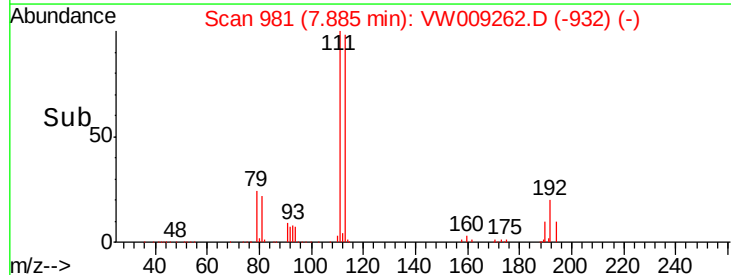
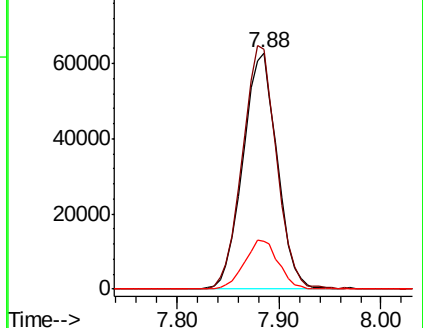
192 20.7 16.4 24.6

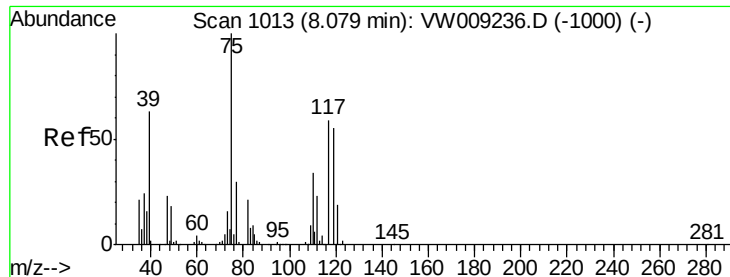


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.885 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009262.D

Acq: 20 Mar 2019 02:52

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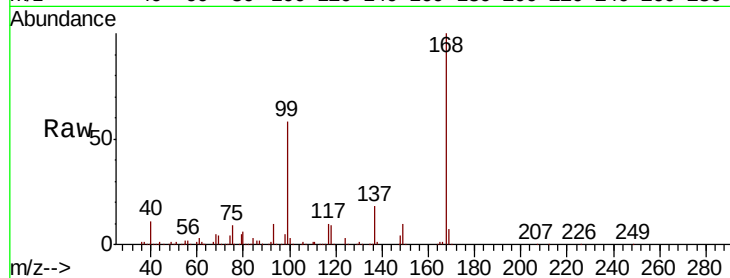
Tot Ion: 75 Resp: 20687

Ion Ratio Lower Upper

75 100

110 9.5 16.8 50.4#

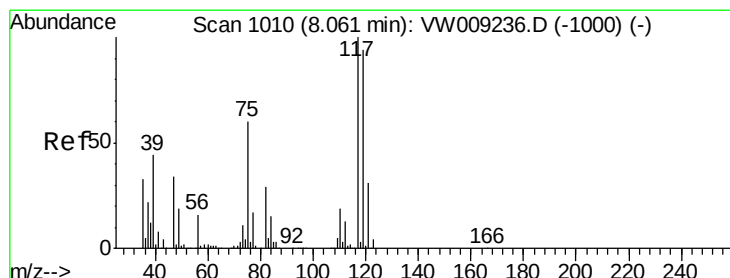
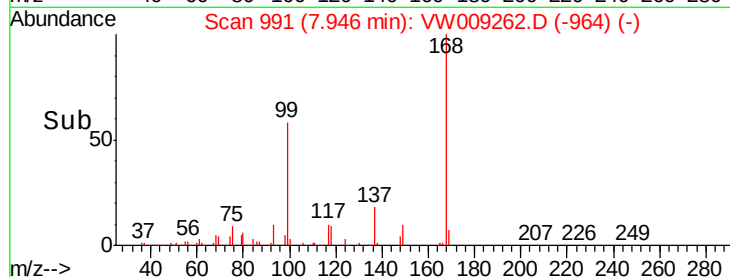
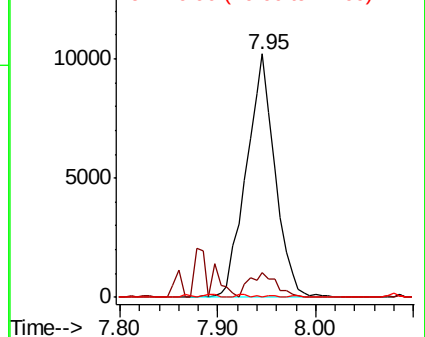
77 0.3 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 5.578 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009262.D

Acq: 20 Mar 2019 02:52

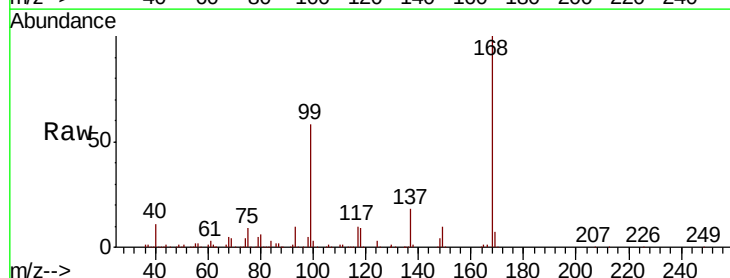
Tgt Ion: 117 Resp: 24998

Ion Ratio Lower Upper

117 100

119 3.4 75.4 113.0#

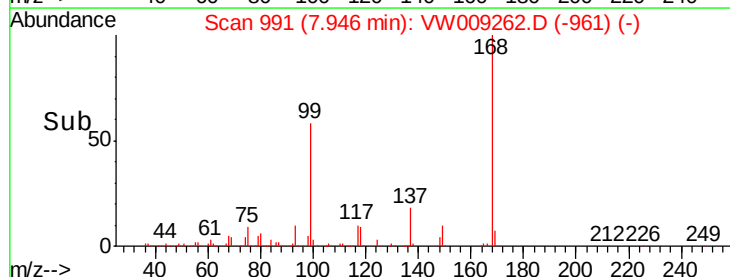
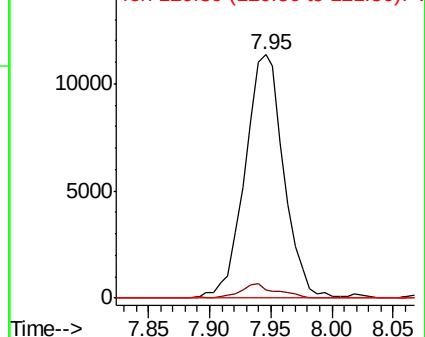
121 0.0 24.9 37.3#

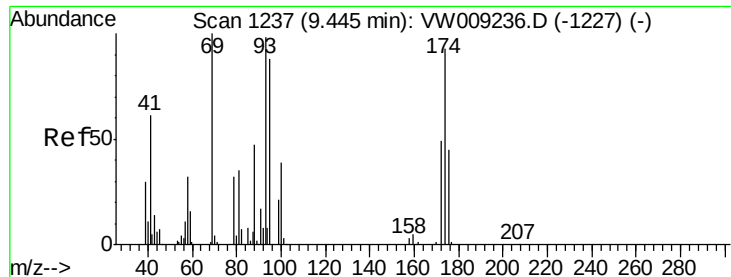


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

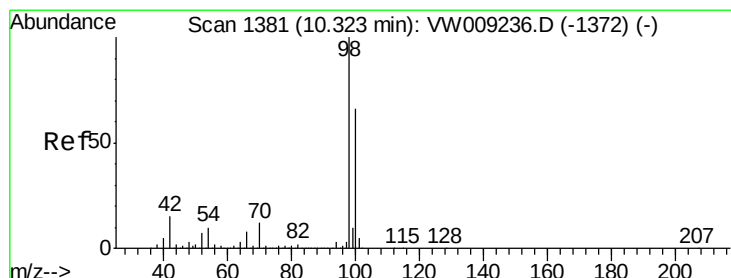
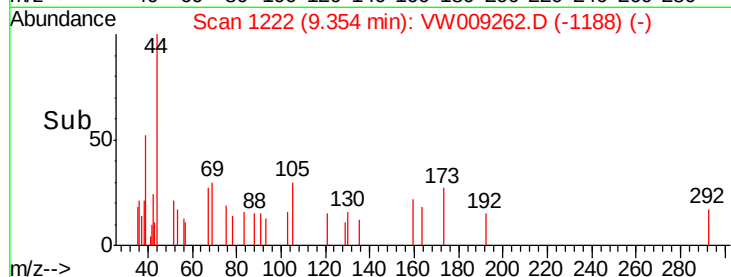
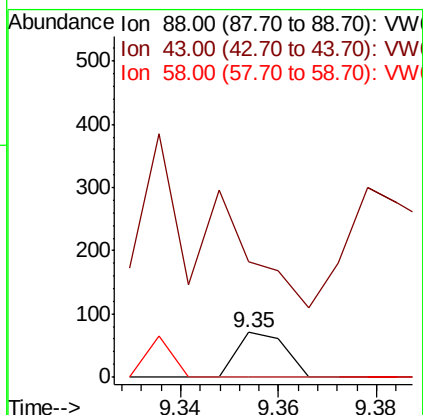
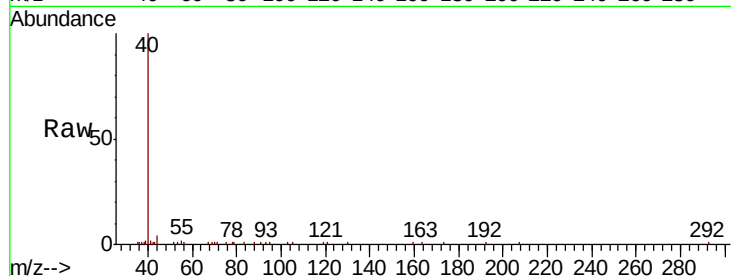




#49
1,4-Dioxane
Concen: 1.928 ug/l
RT: 9.35 min Scan# 1222
Delta R.T. -0.09 min
Lab File: VW009262.D
Acq: 20 Mar 2019 02:52

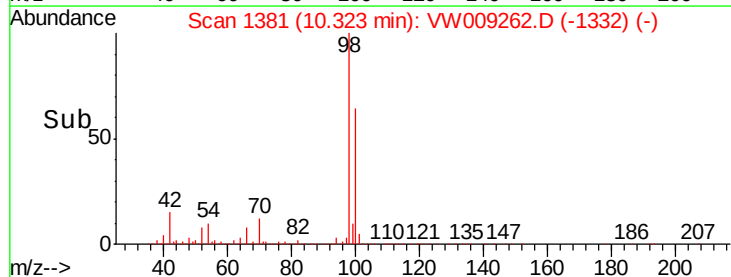
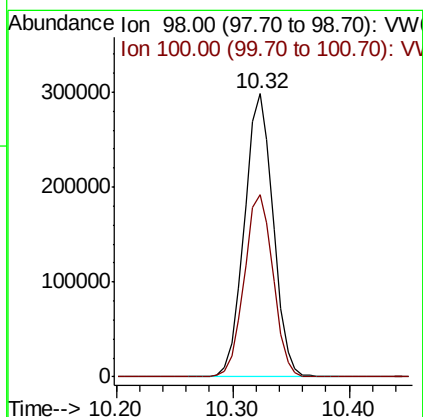
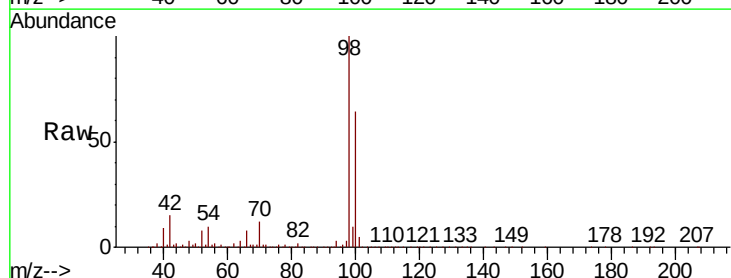
Instrument :
MSVOA_W
ClientSampleId :
SB-15(1-2)-031519

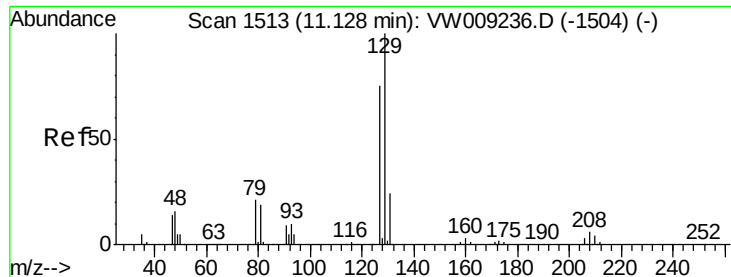
Tot Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 587.5 29.7 44.5#
58 50.0 58.1 87.1#



#50
Toluene-d8
Concen: 52.457 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009262.D
Acq: 20 Mar 2019 02:52

Tgt Ion: 98 Resp: 514586
Ion Ratio Lower Upper
98 100
100 64.7 52.6 79.0

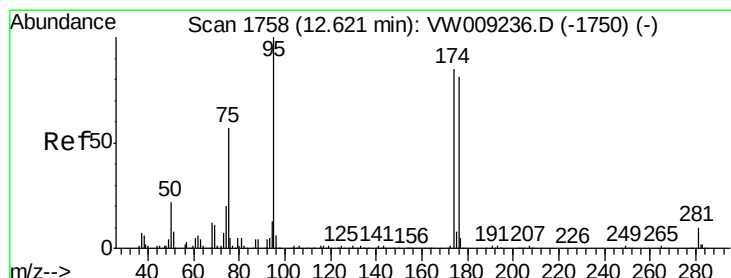
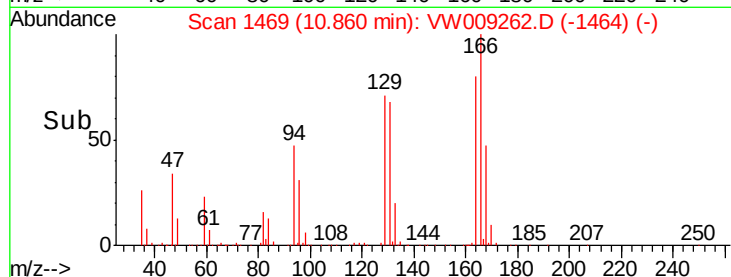
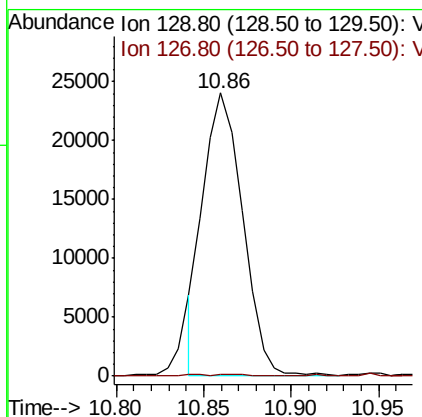
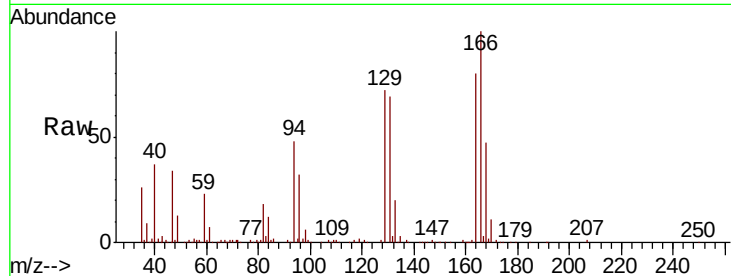




#60
 Dibromochloromethane
 Concen: 13.972 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.27 min
 Lab File: VW009262.D
 Acq: 20 Mar 2019 02:52

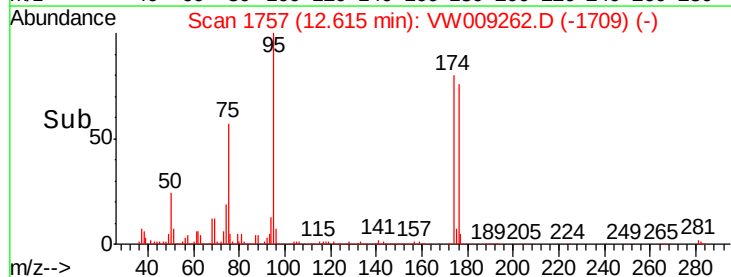
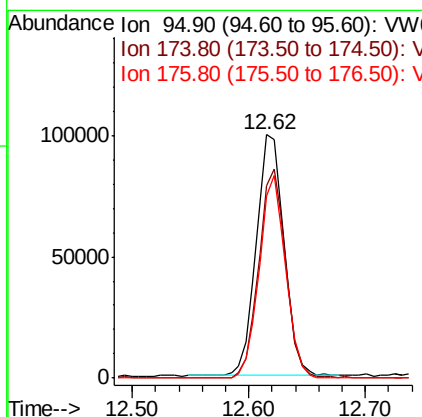
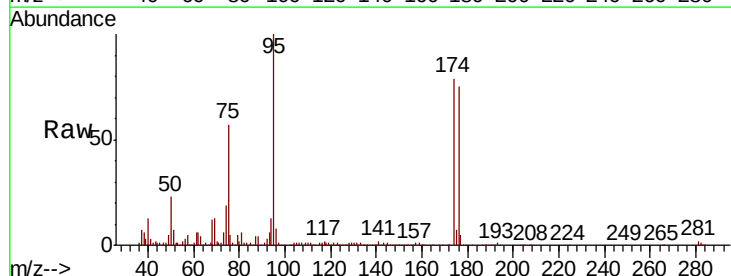
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-15(1-2)-031519

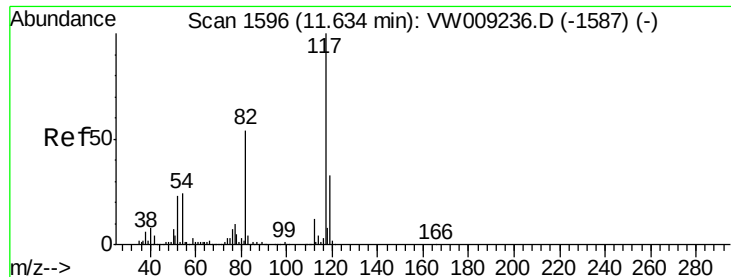
Tot Ion:129 Resp: 37521
 Ion Ratio Lower Upper
 129 100
 127 0.4 38.1 114.5#



#62
 4-Bromofluorobenzene
 Concen: 46.358 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009262.D
 Acq: 20 Mar 2019 02:52

Tgt Ion: 95 Resp: 166973
 Ion Ratio Lower Upper
 95 100
 174 82.9 0.0 168.4
 176 79.5 0.0 161.6

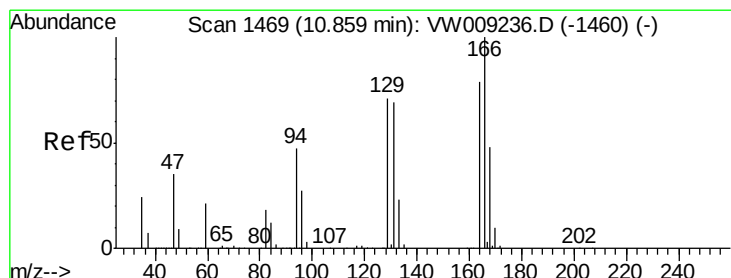
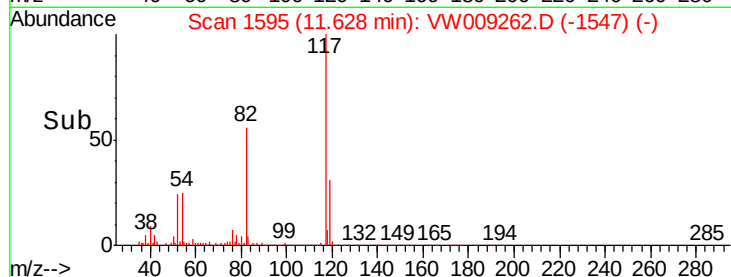
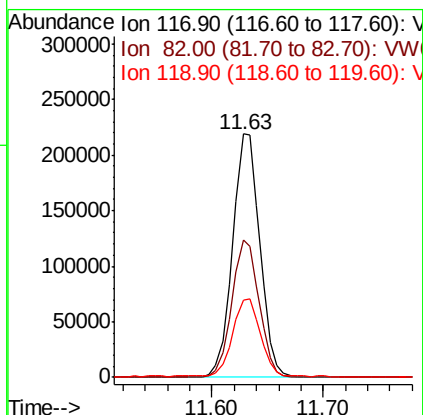
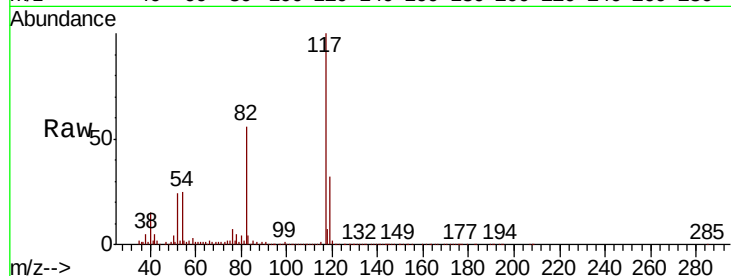




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009262.D
Acq: 20 Mar 2019 02:52

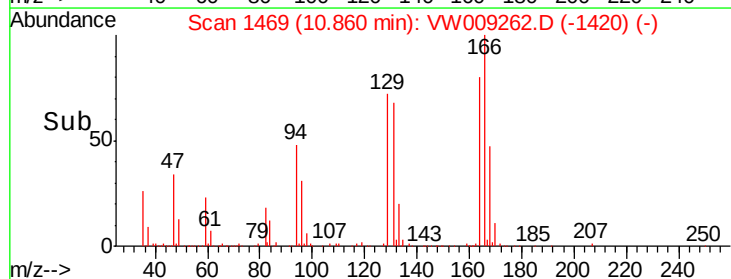
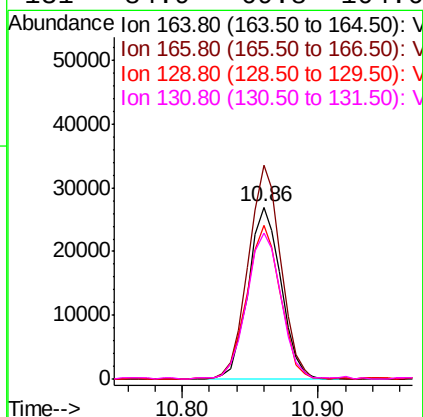
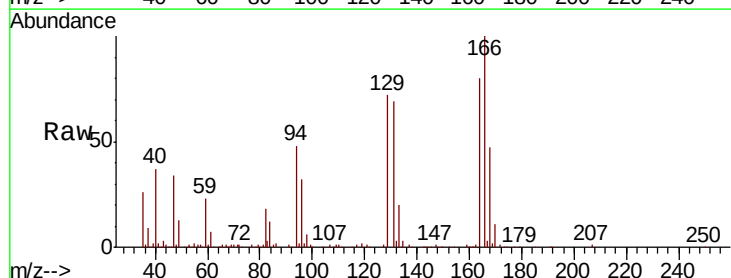
Instrument :
MSVOA_W
ClientSampleId :
SB-15(1-2)-031519

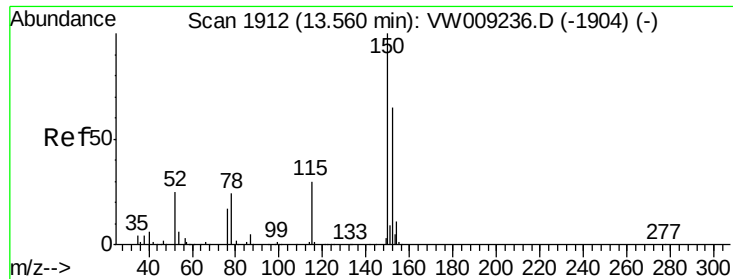
Tot Ion:117 Resp: 369661
Ion Ratio Lower Upper
117 100
82 56.0 43.6 65.4
119 31.4 26.0 39.0



#64
Tetrachloroethene
Concen: 17.957 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009262.D
Acq: 20 Mar 2019 02:52

Tgt Ion:164 Resp: 45460
Ion Ratio Lower Upper
164 100
166 124.3 100.9 151.3
129 89.1 72.0 108.0
131 84.9 69.8 104.6



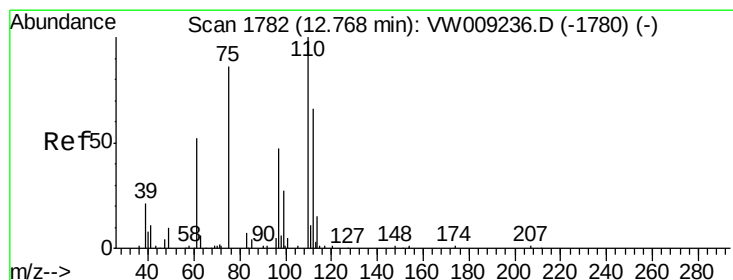
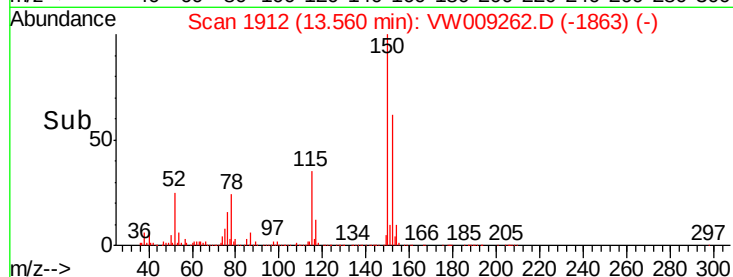
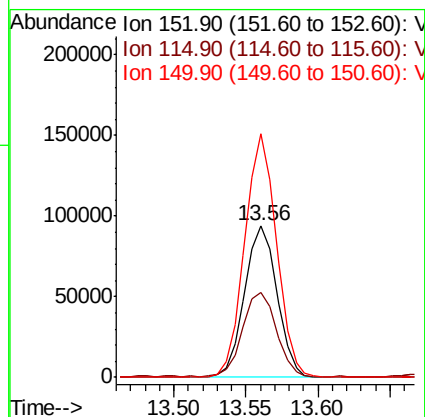
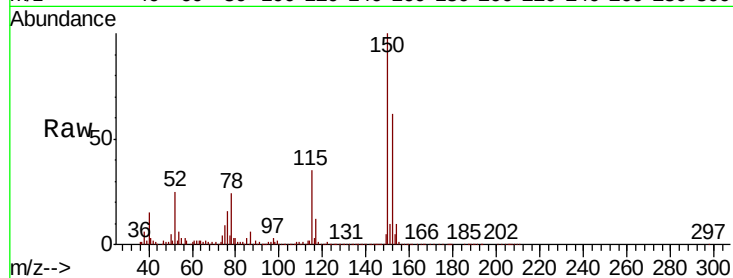


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009262.D
Acq: 20 Mar 2019 02:52

Instrument :
MSVOA_W
ClientSampleId :
SB-15(1-2)-031519

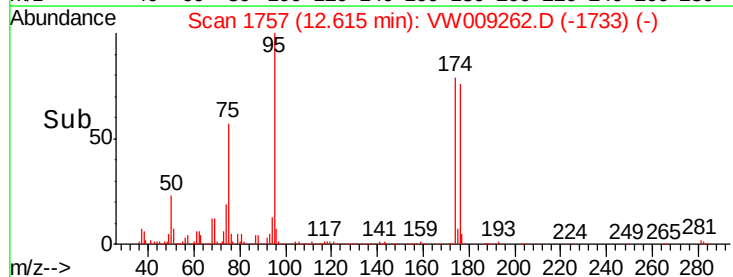
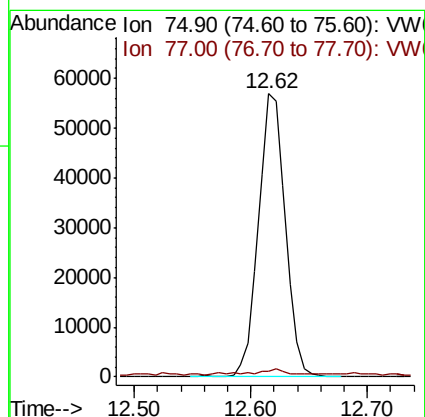
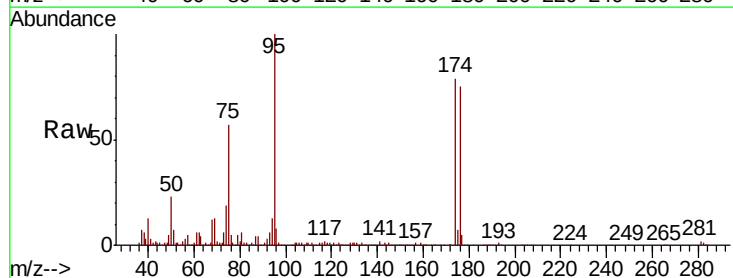
Tot Ion:152 Resp: 147448
Ion Ratio Lower Upper
152 100
115 57.4 29.6 88.8
150 156.8 0.0 349.2

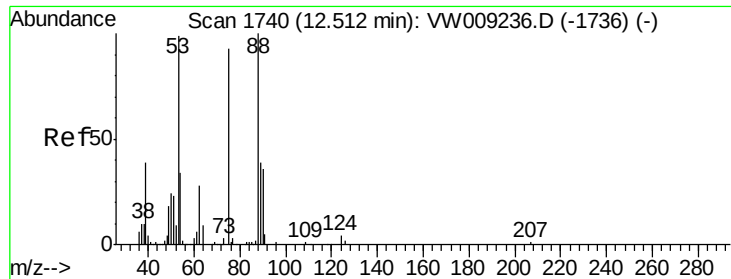


#76

1,2,3-Trichloropropane
Concen: 66.451 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW009262.D
Acq: 20 Mar 2019 02:52

Tgt Ion: 75 Resp: 92075
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 163.052 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009262.D

Acq: 20 Mar 2019 02:52

Instrument :

MSVOA_W

ClientSampleId :

SB-15(1-2)-031519

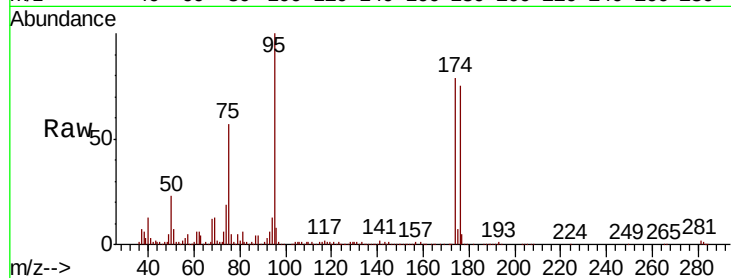
Tot Ion: 75 Resp: 92075

Ion Ratio Lower Upper

75 100

53 0.7 86.7 130.1#

89 0.5 36.4 54.6#



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

