

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
 Data File : VW012909.D
 Acq On : 11 Sep 2019 11:40
 Operator : SY/VA
 Sample : K4692-03
 Misc : 4.99G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-31-10.5-11.0

Quant Time: Sep 11 12:30:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	196677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	287989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	221758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71976	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	106979	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	7.88	113	88059	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	10.32	98	335047	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.62	95	85446	35.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.18%	

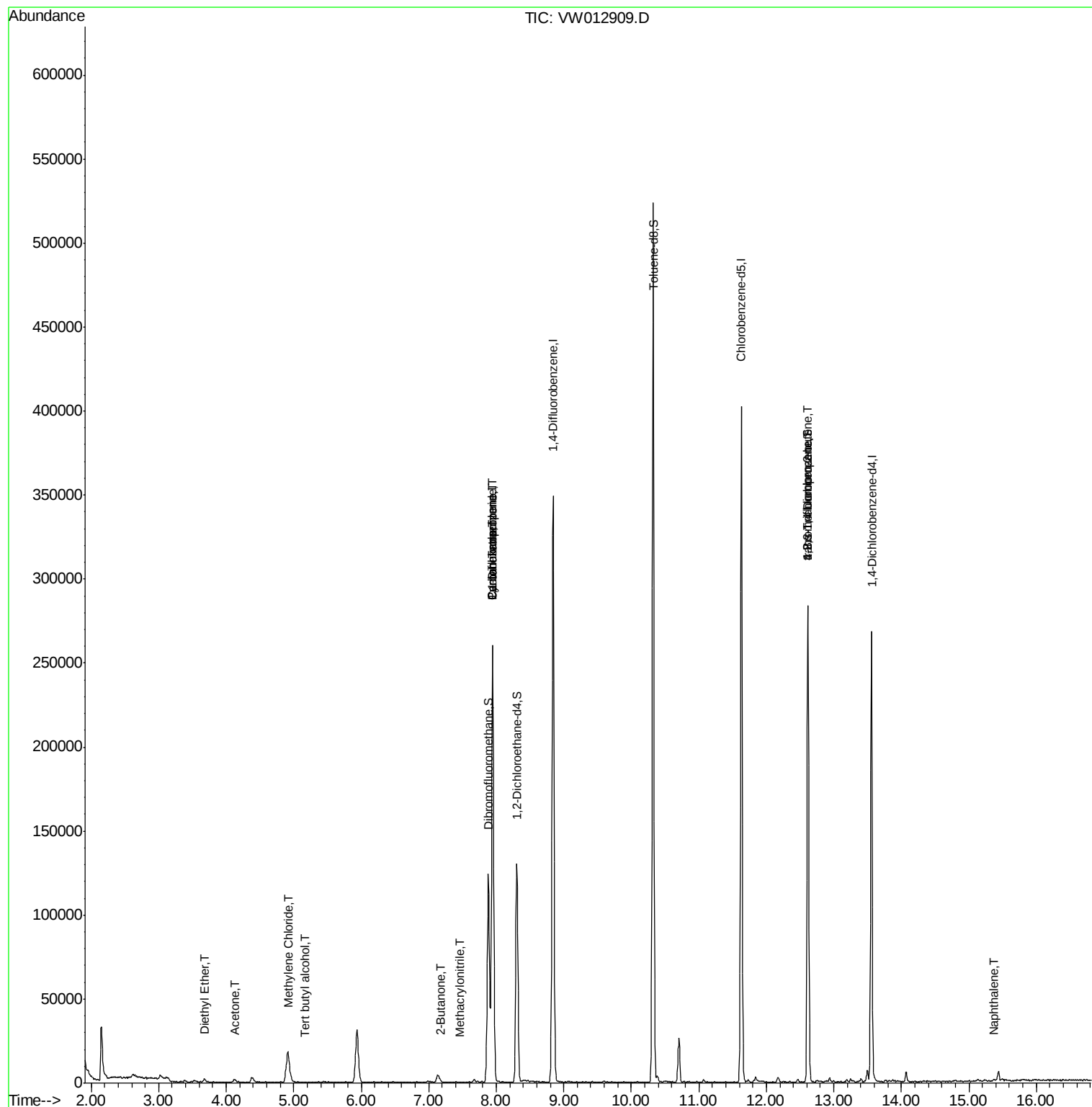
Target Compounds						Qvalue
8) Diethyl Ether	3.67	74	946	1.027	ug/l	78
11) Tert butyl alcohol	5.17	59	300	1.784	ug/l #	72
16) Acetone	4.12	43	2997	5.003	ug/l #	70
20) Methylene Chloride	4.92	84	14790	7.891	ug/l #	81
25) 2-Butanone	7.18	43	106	19.791	ug/l #	53
31) Cyclohexane	7.95	56	4346	1.345	ug/l #	4
36) 1,1-Dichloropropene	7.95	75	15170	5.928	ug/l #	53
38) Carbon Tetrachloride	7.95	117	19079	7.564	ug/l #	16
41) Methacrylonitrile	7.46	41	47	3.878	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	46333	62.954	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	46333	133.151	ug/l #	6
95) Naphthalene	15.37	128	492	4.588	ug/l #	76

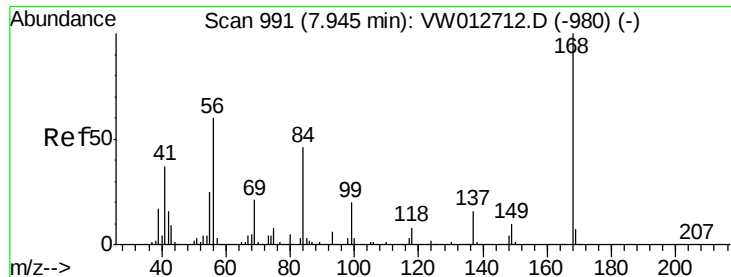
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012909.D

Acq: 11 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

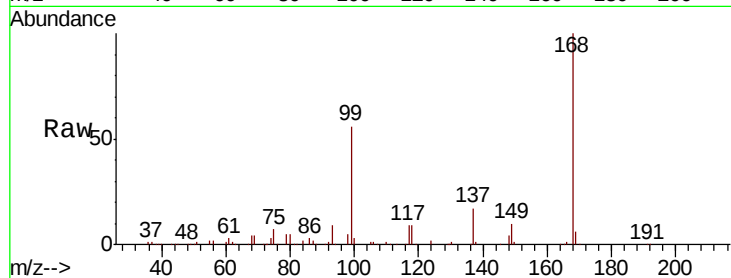
SB-31-10.5-11.0

Tgt Ion:168 Resp: 196677

Ion Ratio Lower Upper

168 100

99 55.9 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

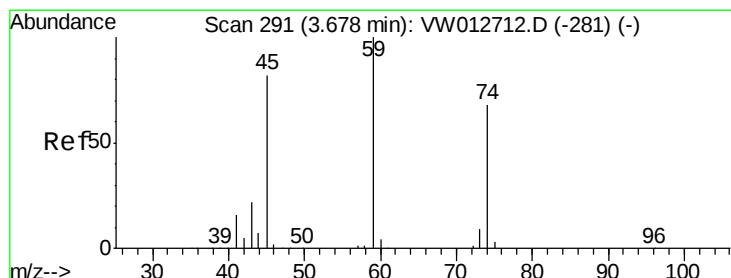
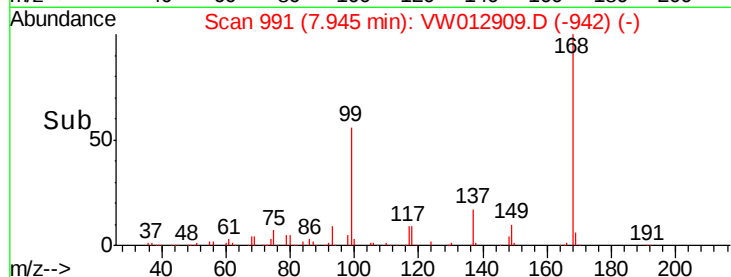
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.027 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012909.D

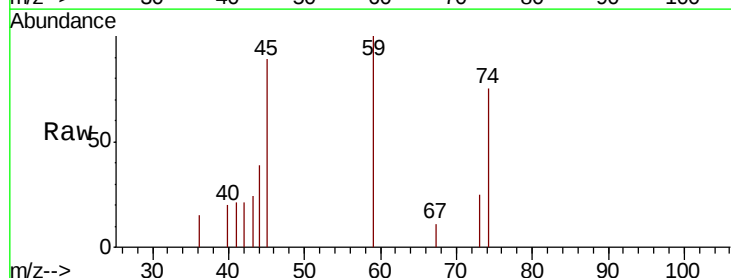
Acq: 11 Sep 2019 11:40

Tgt Ion: 74 Resp: 946

Ion Ratio Lower Upper

74 100

45 141.3 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

600

500

400

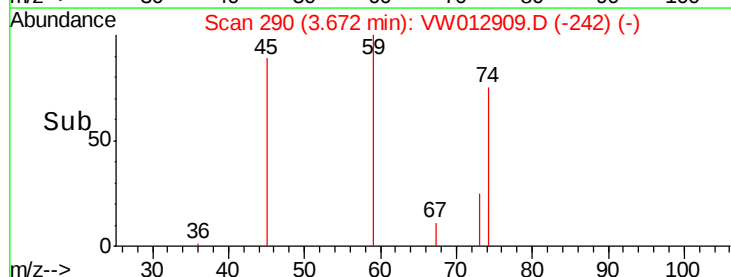
300

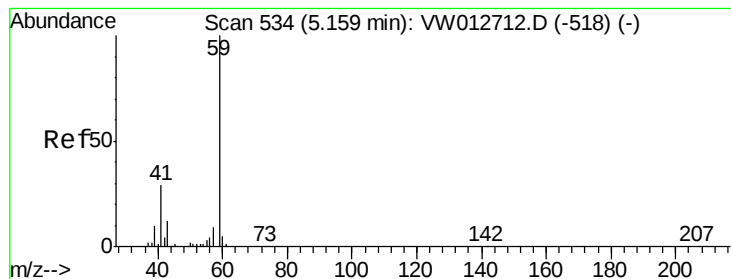
200

100

0

Time--> 3.65 3.70





#11

Tert butyl alcohol

Concen: 1.784 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW012909.D

Acq: 11 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

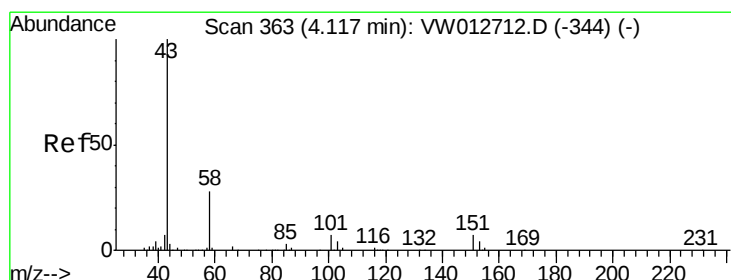
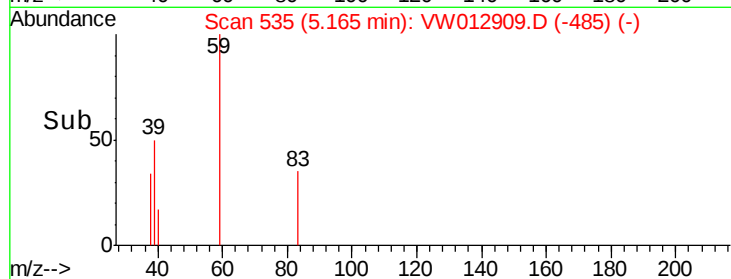
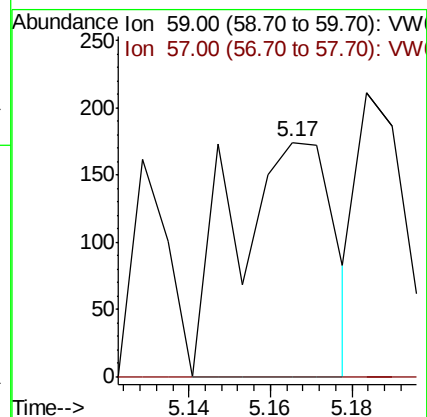
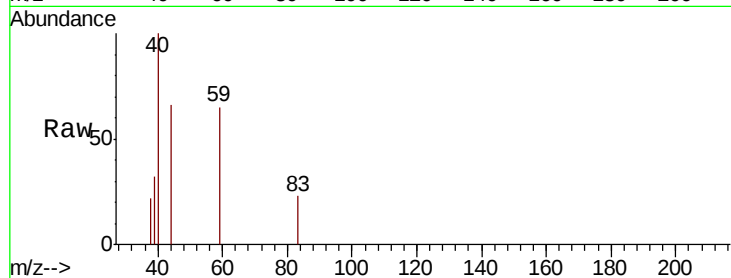
SB-31-10.5-11.0

Tgt Ion: 59 Resp: 300

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 5.003 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012909.D

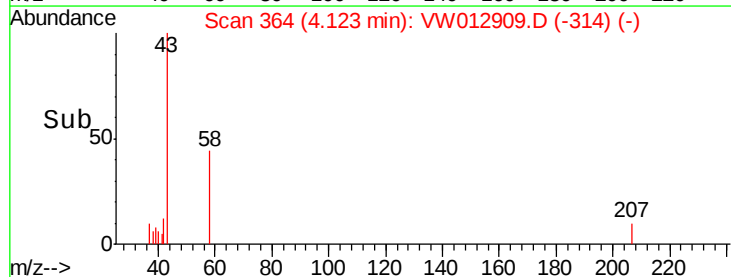
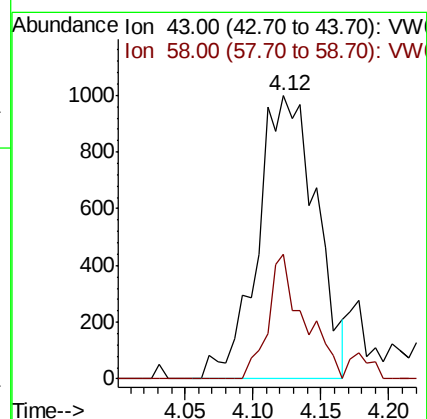
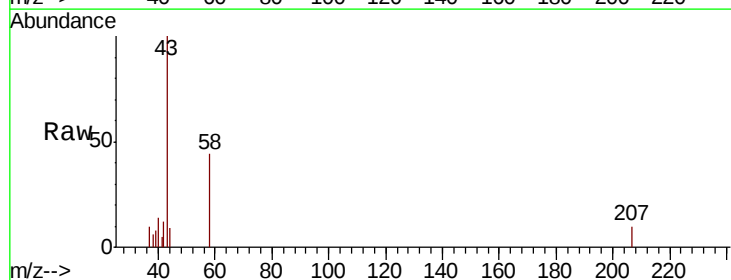
Acq: 11 Sep 2019 11:40

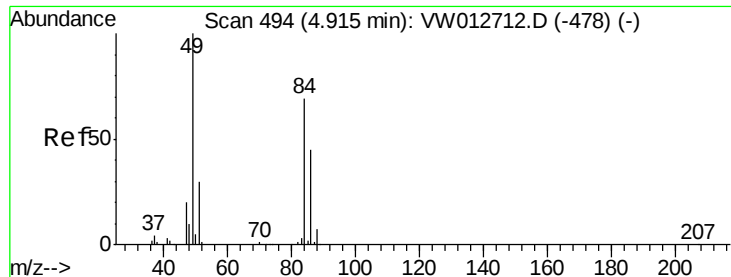
Tgt Ion: 43 Resp: 2997

Ion Ratio Lower Upper

43 100

58 44.1 22.6 33.8#

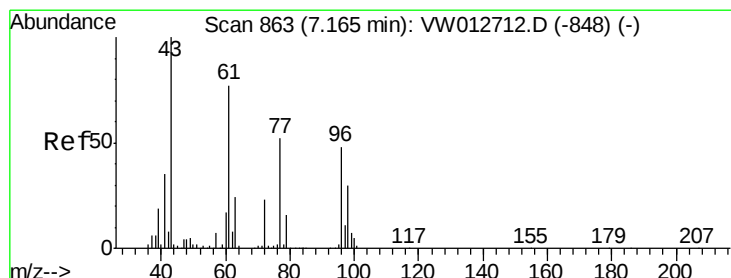
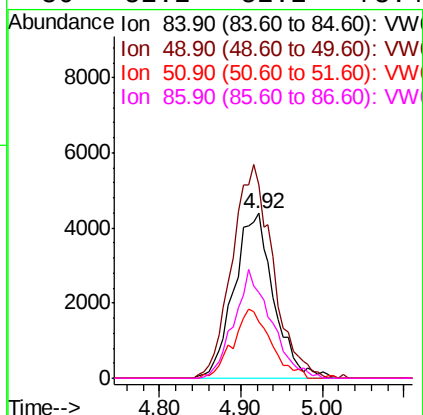
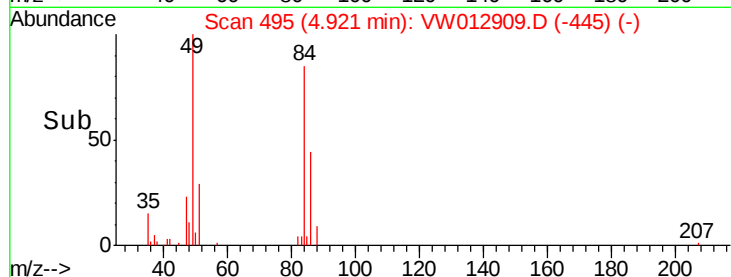
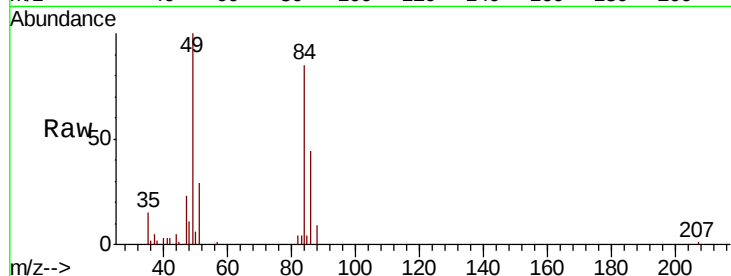




#20
Methylene Chloride
Concen: 7.891 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW012909.D
Acq: 11 Sep 2019 11:40

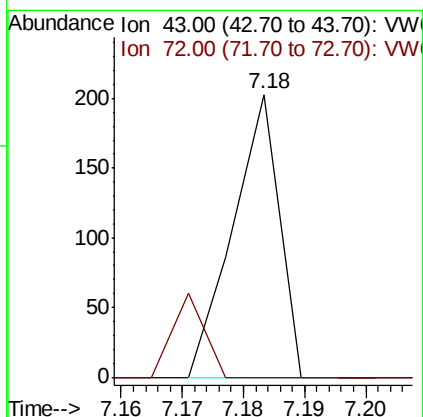
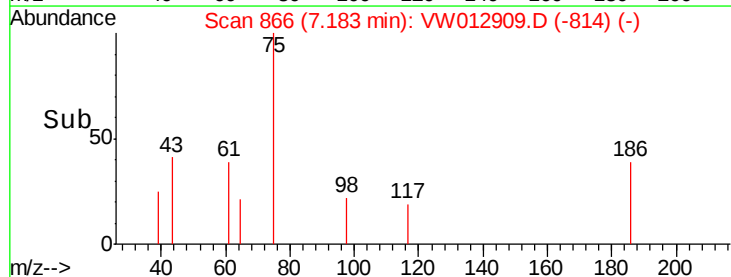
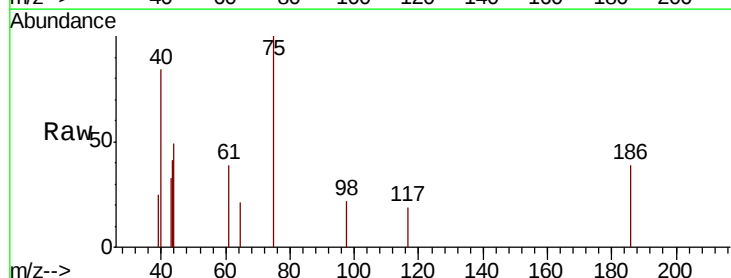
Instrument :
MSVOA_W
ClientSampleId :
SB-31-10.5-11.0

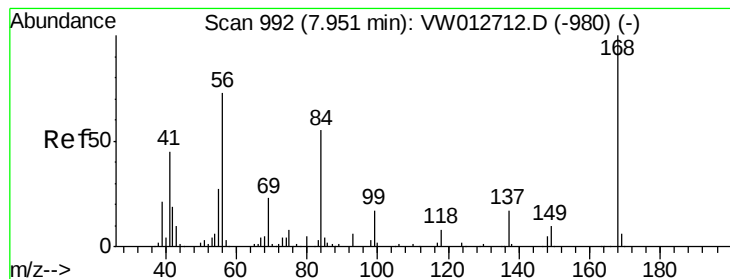
Tgt Ion: 84 Resp: 14790
Ion Ratio Lower Upper
84 100
49 117.7 115.4 173.0
51 34.2 34.9 52.3#
86 52.2 52.2 78.4#



#25
2-Butanone
Concen: 19.791 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW012909.D
Acq: 11 Sep 2019 11:40

Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#





#31

Cyclohexane

Concen: 1.345 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012909.D

Acq: 11 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

SB-31-10.5-11.0

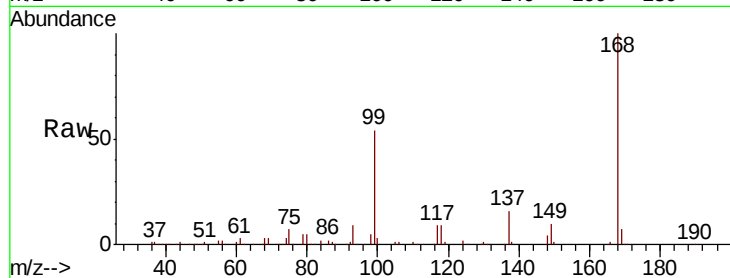
Tgt Ion: 56 Resp: 4346

Ion Ratio Lower Upper

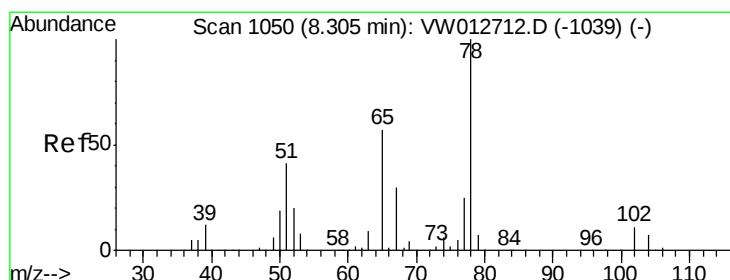
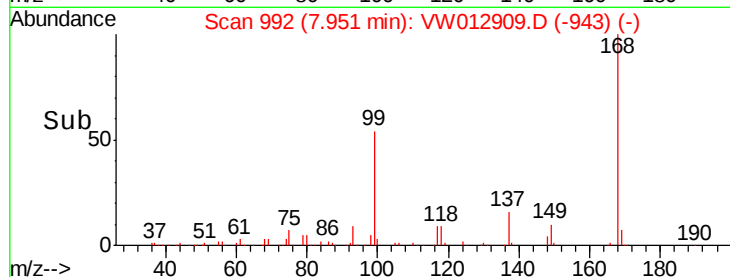
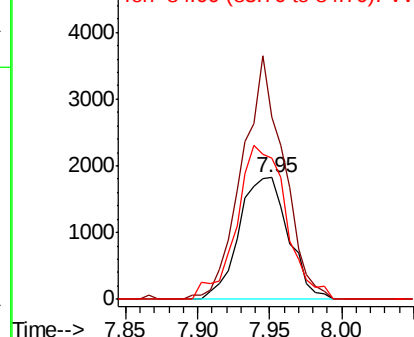
56 100

69 149.1 25.7 38.5#

84 116.1 60.4 90.6#



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: 48.681 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012909.D

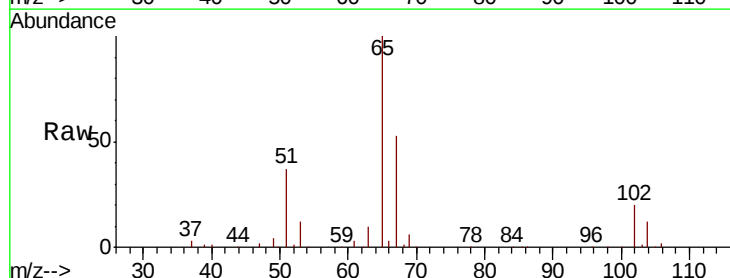
Acq: 11 Sep 2019 11:40

Tgt Ion: 65 Resp: 106979

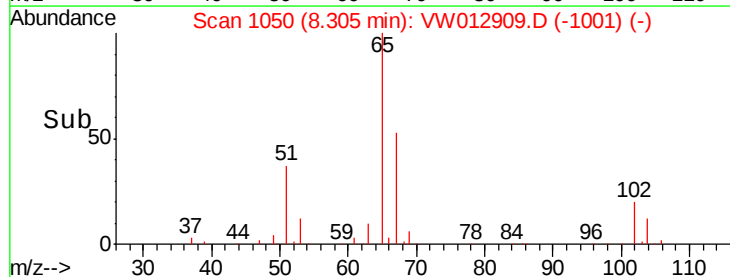
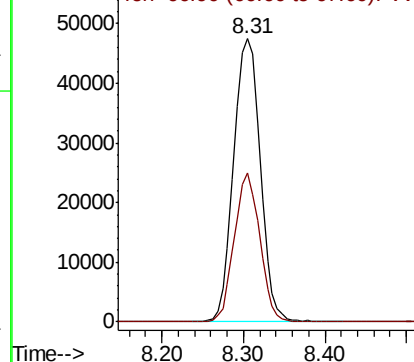
Ion Ratio Lower Upper

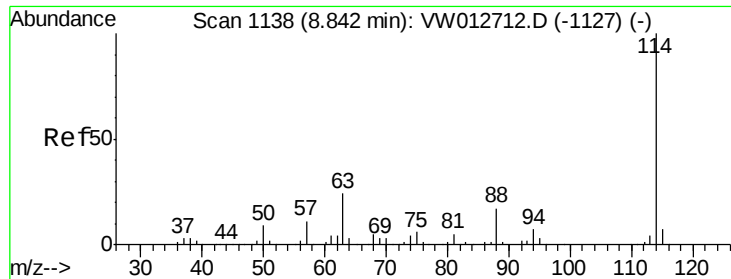
65 100

67 50.3 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

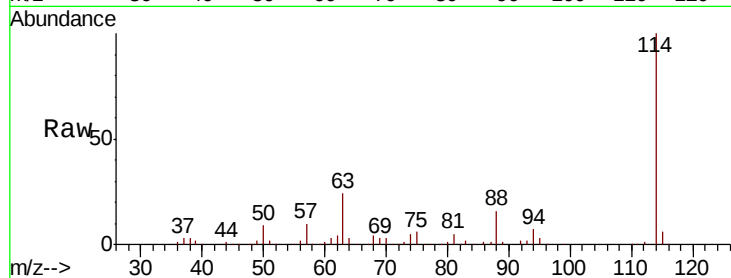




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012909.D
 Acq: 11 Sep 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-31-10.5-11.0

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	47.2
88	16.5	0.0	34.0

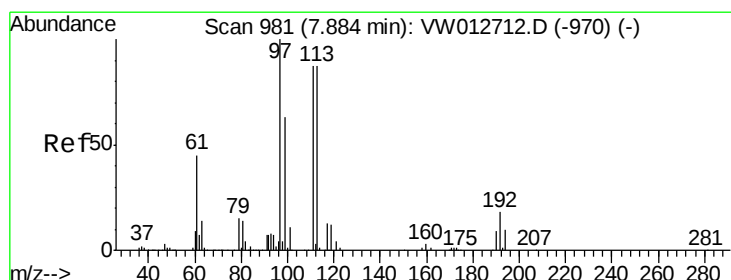
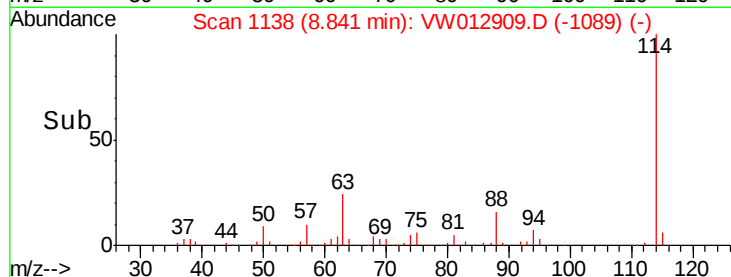
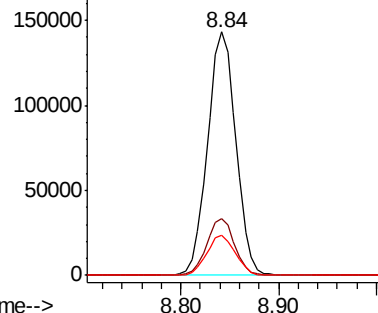


Abundance

Ion 113.90 (113.60 to 114.60): V

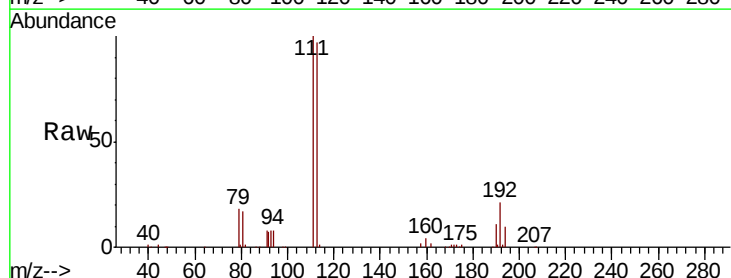
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 51.431 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012909.D
 Acq: 11 Sep 2019 11:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.2	120.4
192	22.3	17.3	25.9

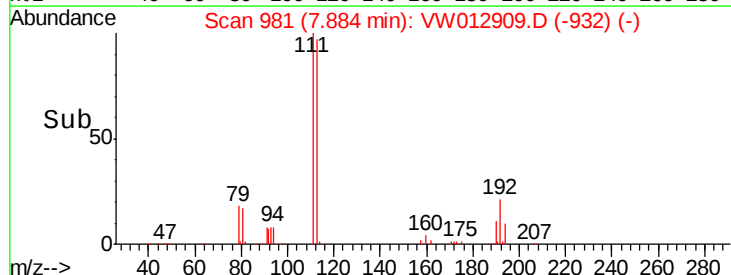
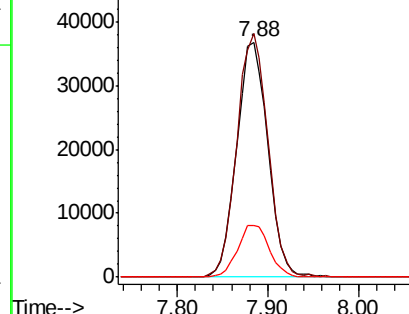


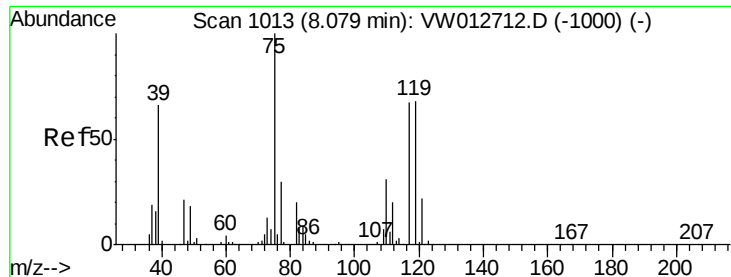
Abundance

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

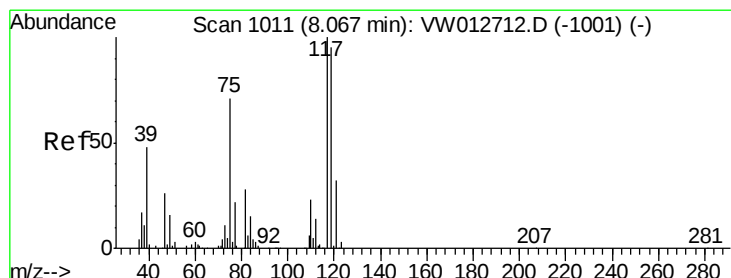
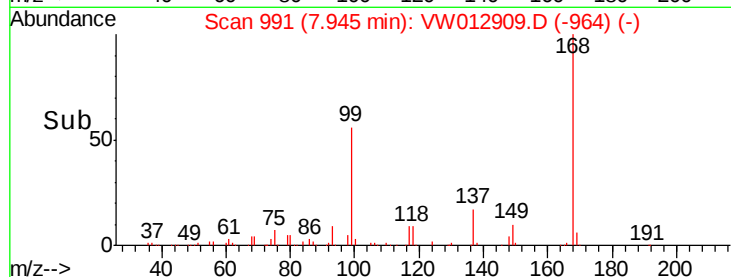
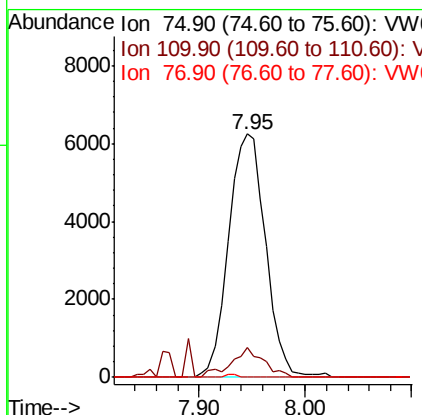
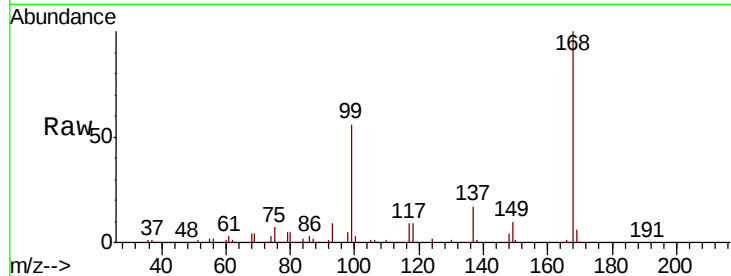




#36
 1,1-Dichloropropene
 Concen: 5.928 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012909.D
 Acq: 11 Sep 2019 11:40

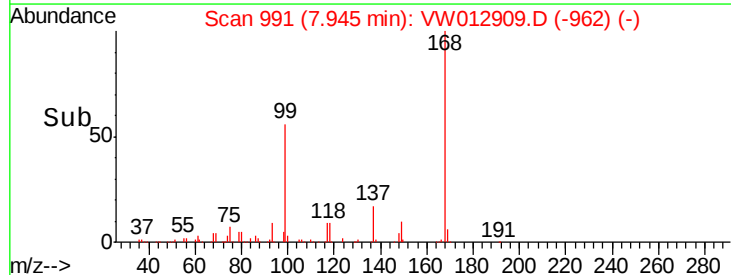
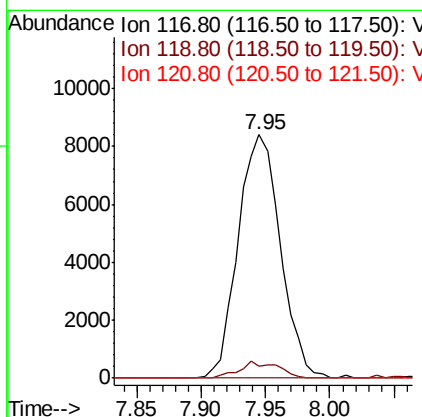
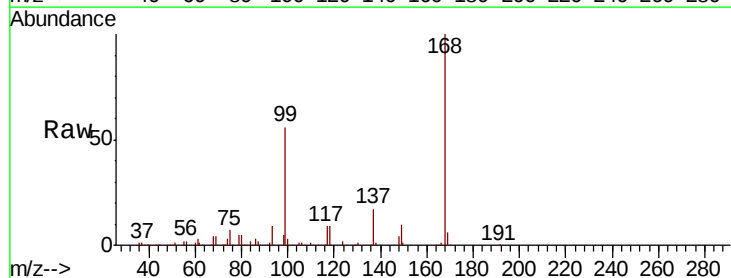
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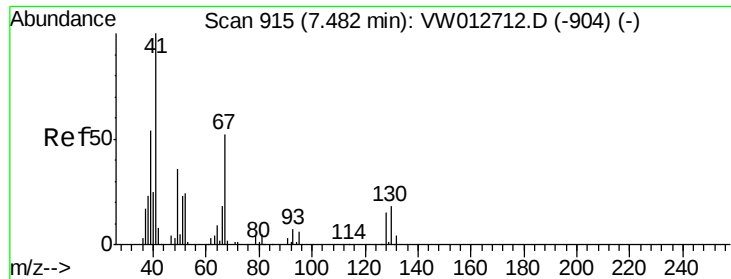
Tgt Ion: 75 Resp: 15170
 Ion Ratio Lower Upper
 75 100
 110 10.7 15.9 47.7#
 77 0.4 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.564 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012909.D
 Acq: 11 Sep 2019 11:40

Tgt Ion: 117 Resp: 19079
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.2 114.2#
 121 0.0 25.4 38.2#





#41

Methacrylonitrile

Concen: 3.878 ug/l

RT: 7.46 min Scan# 911

Delta R.T. -0.02 min

Lab File: VW012909.D

Acq: 11 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

SB-31-10.5-11.0

Tgt Ion: 41 Resp: 47

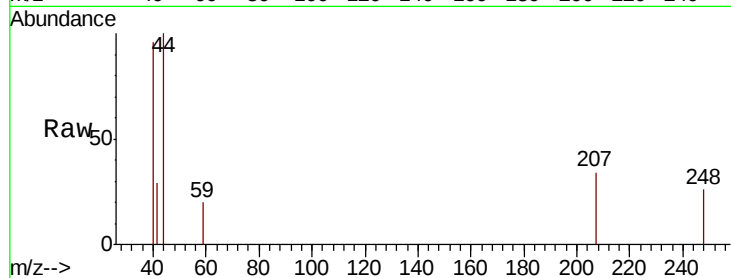
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

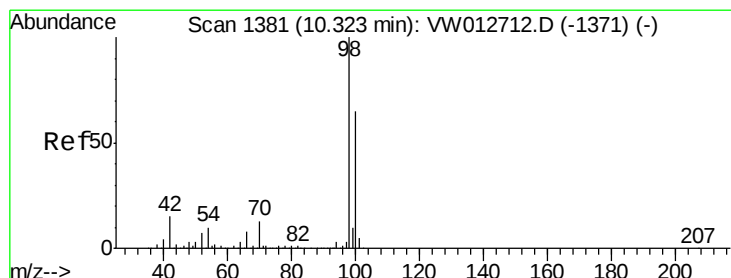
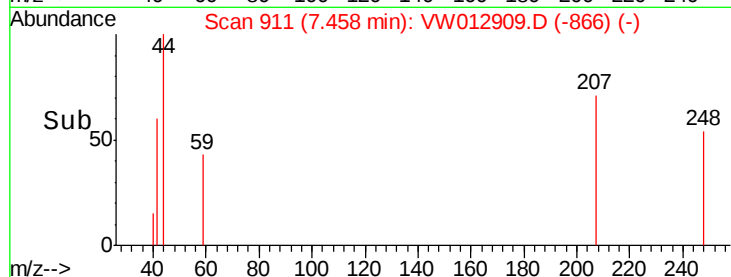
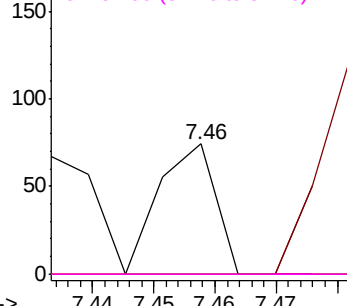


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 49.948 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012909.D

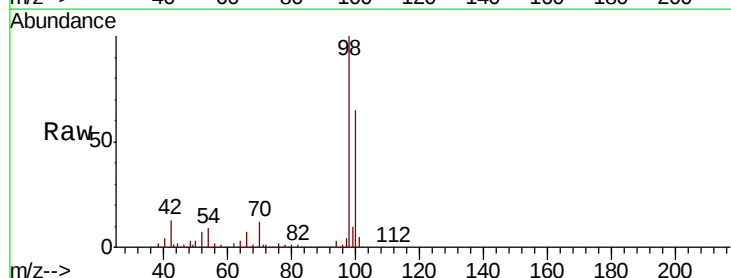
Acq: 11 Sep 2019 11:40

Tgt Ion: 98 Resp: 335047

Ion Ratio Lower Upper

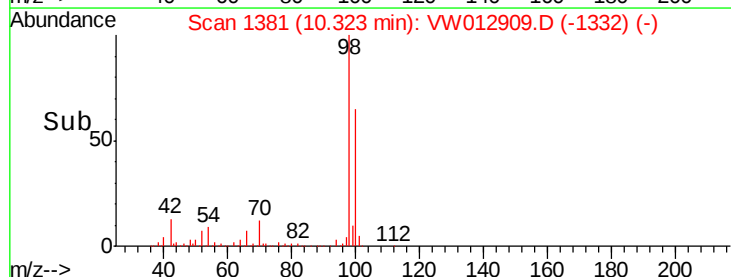
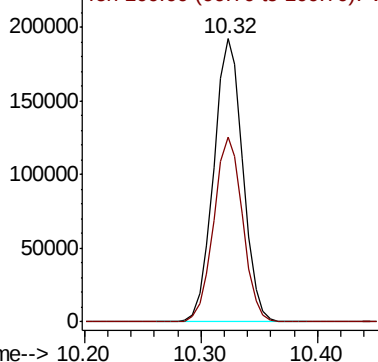
98 100

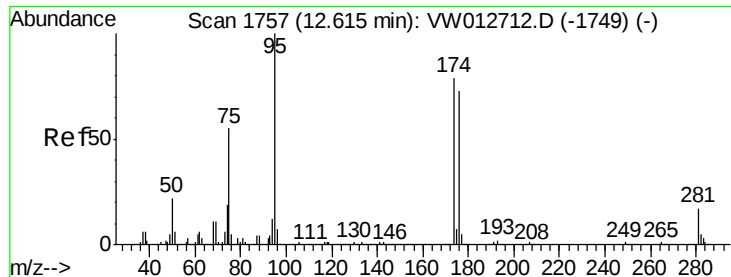
100 65.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

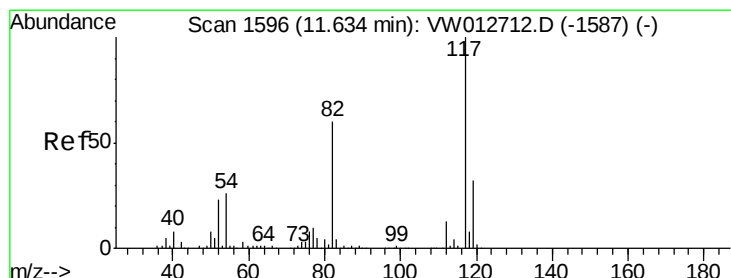
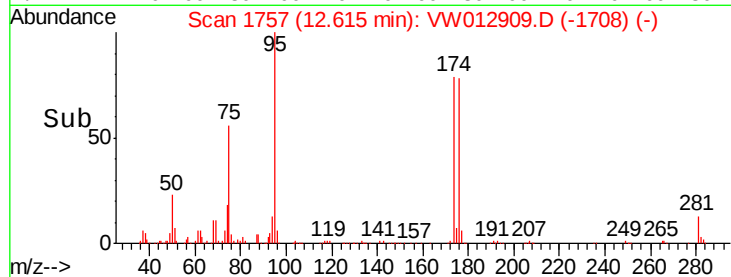
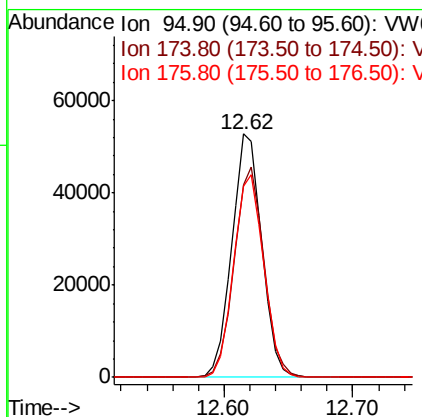
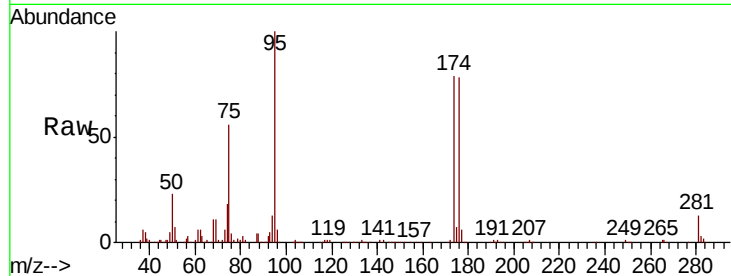




#62
4-Bromofluorobenzene
Concen: 35.088 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012909.D
Acq: 11 Sep 2019 11:40

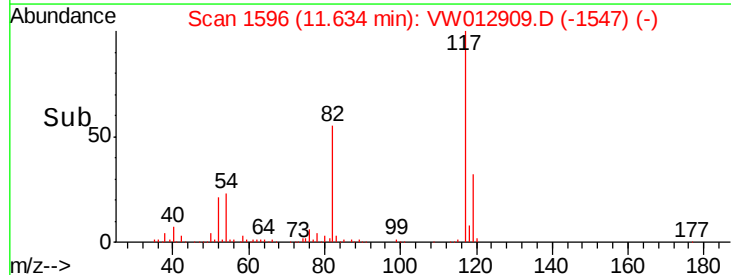
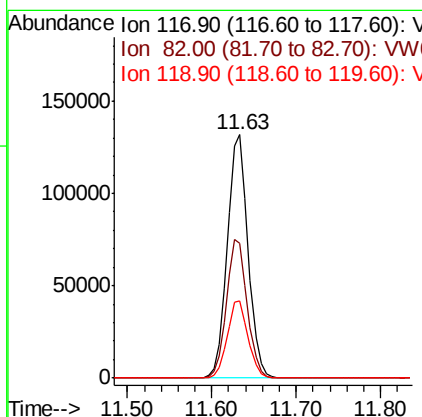
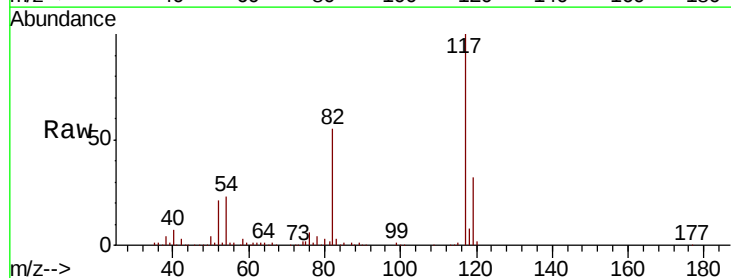
Instrument :
MSVOA_W
ClientSampleId :
SB-31-10.5-11.0

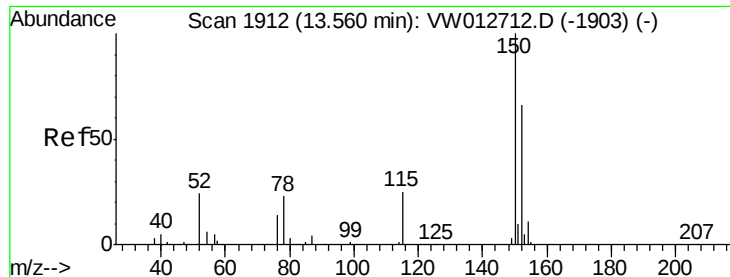
Tgt Ion: 95 Resp: 85446
Ion Ratio Lower Upper
95 100
174 85.5 0.0 161.0
176 83.6 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012909.D
Acq: 11 Sep 2019 11:40

Tgt Ion: 117 Resp: 221758
Ion Ratio Lower Upper
117 100
82 55.4 48.2 72.4
119 31.7 25.8 38.6



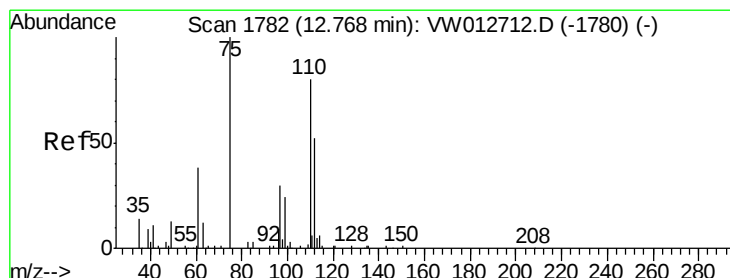
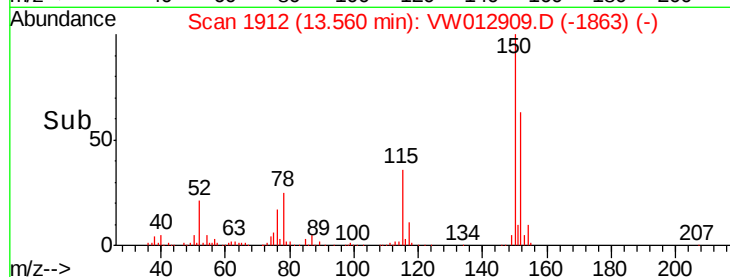
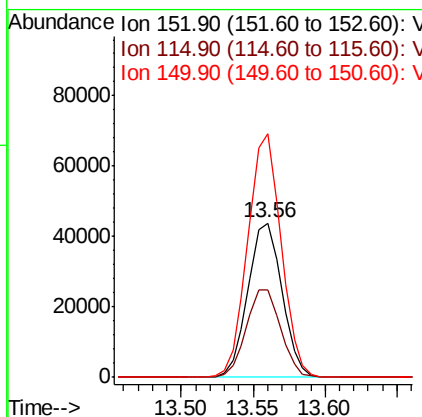
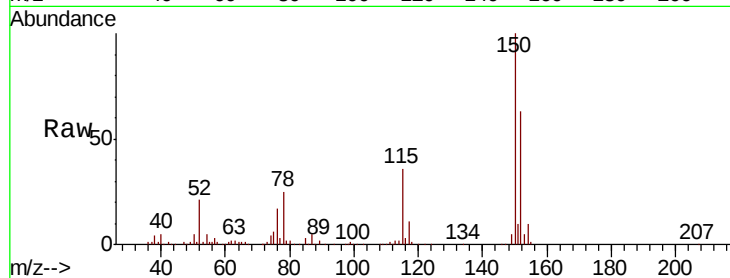


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012909.D
Acq: 11 Sep 2019 11:40

Instrument :
MSVOA_W
ClientSampleId :
SB-31-10.5-11.0

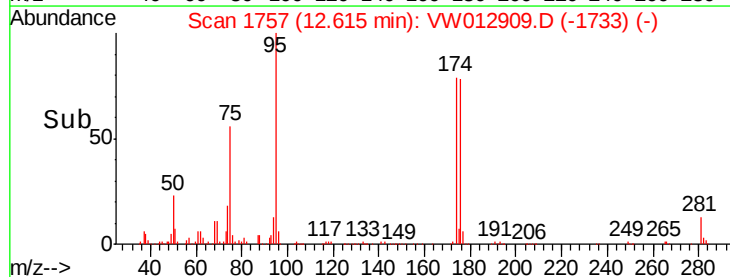
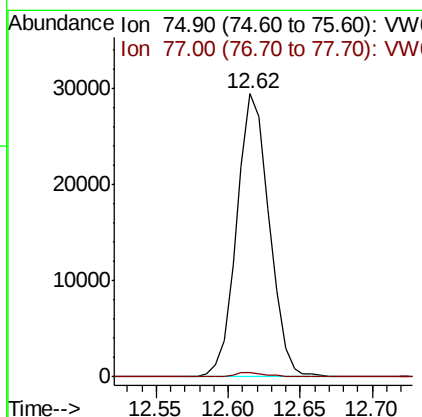
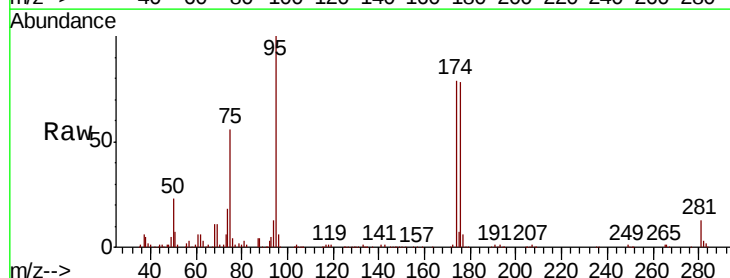
Tgt Ion:152 Resp: 71976
Ion Ratio Lower Upper
152 100
115 57.7 30.0 90.1
150 154.1 0.0 349.0

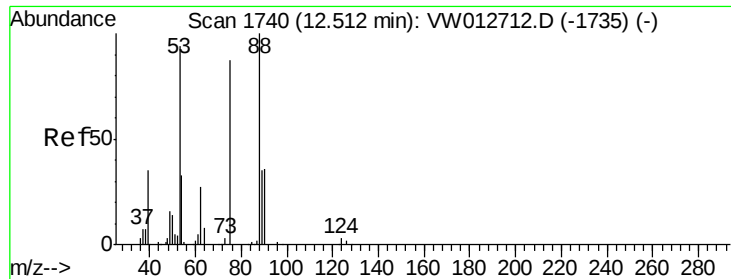


#76

1,2,3-Trichloropropane
Concen: 62.954 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012909.D
Acq: 11 Sep 2019 11:40

Tgt Ion: 75 Resp: 46333
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 133.151 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012909.D

Acq: 11 Sep 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

SB-31-10.5-11.0

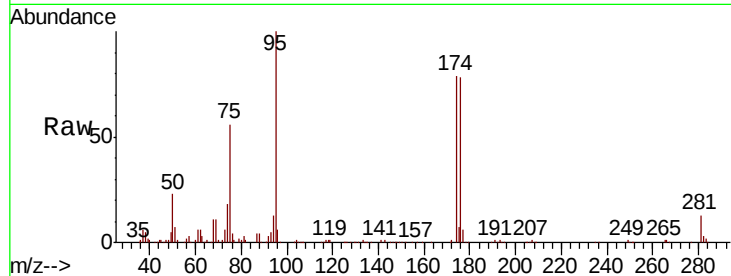
Tgt Ion: 75 Resp: 46333

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

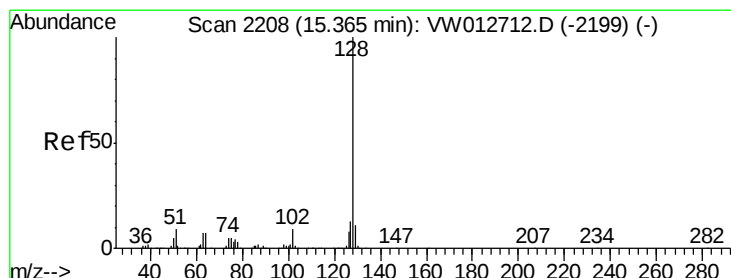
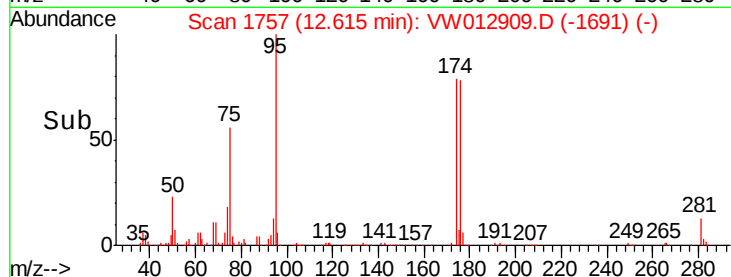
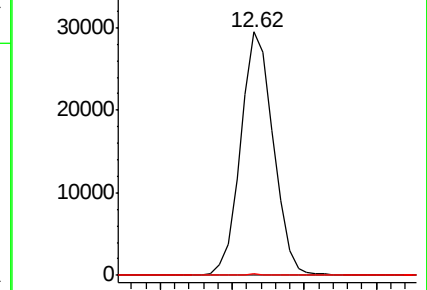
89 0.2 35.5 53.3#



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: 4.588 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012909.D

Acq: 11 Sep 2019 11:40

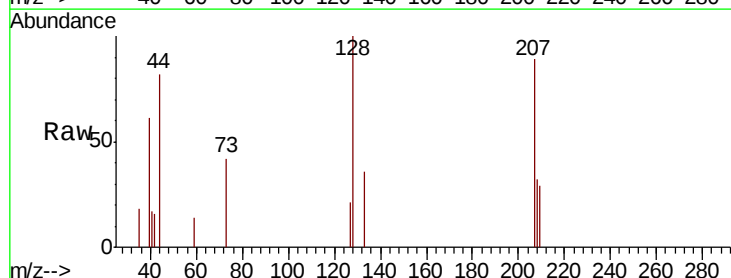
Tgt Ion: 128 Resp: 492

Ion Ratio Lower Upper

128 100

127 21.3 10.7 16.1#

129 0.0 8.7 13.1#



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

