

Data File : VW009028.D
Acq On : 06 Mar 2019 21:04
Operator : SY/VA
Sample : K1760-11
Misc : 6.43G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
Z2-10

Quant Time: Mar 07 07:29:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:22:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	289150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	452746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	382282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145535	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	166406	57.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.72%	
35) Dibromofluoromethane	7.88	113	139783	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	10.32	98	539487	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.62	95	156972	36.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.58%	

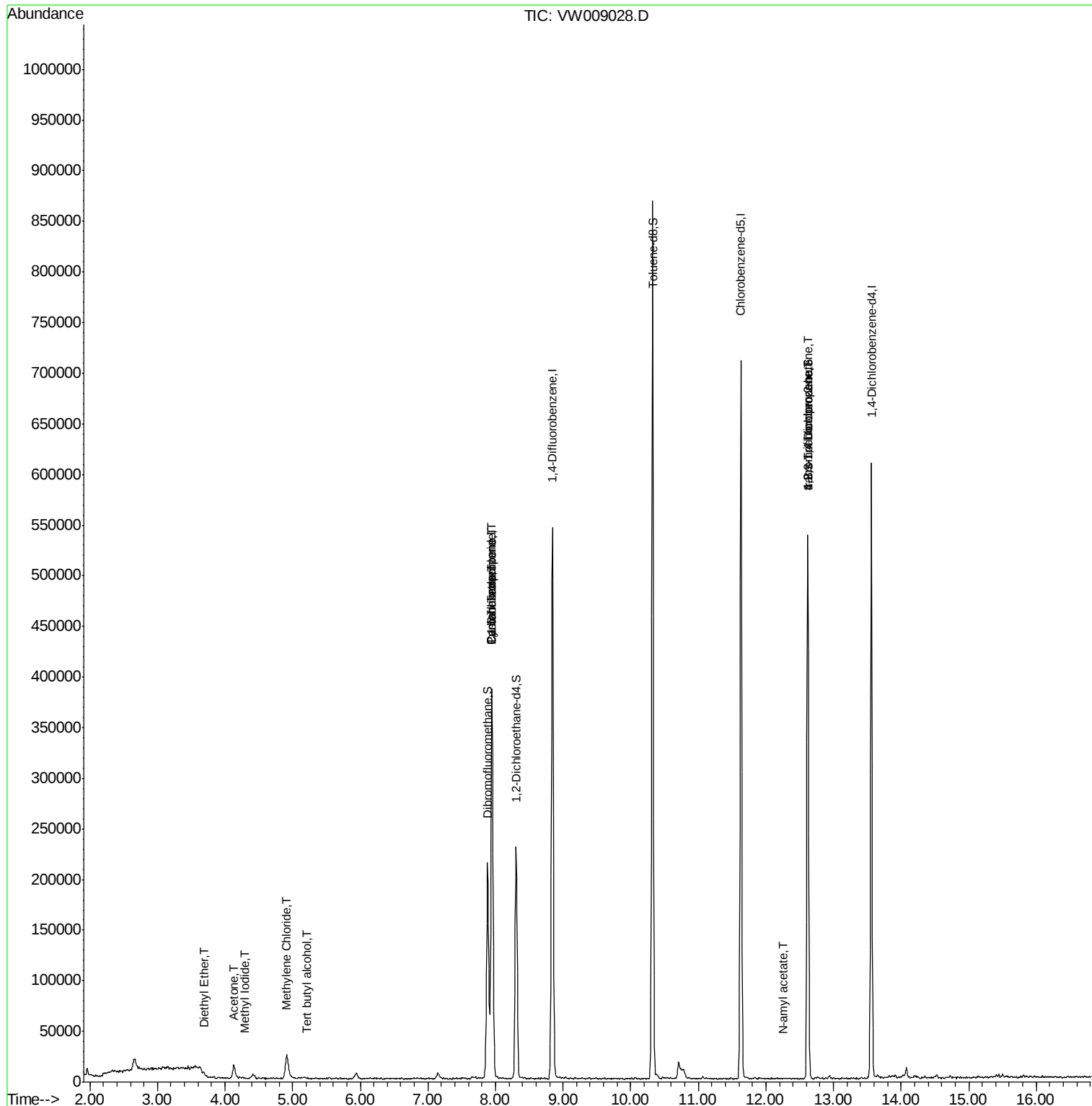
Target Compounds				Qvalue		
8) Diethyl Ether	3.70	74	1901	1.304	ug/l	98
10) Methyl Iodide	4.29	142	24	5.643	ug/l #	39
11) Tert butyl alcohol	5.20	59	598	2.876	ug/l #	81
16) Acetone	4.13	43	21906	36.766	ug/l	95
20) Methylene Chloride	4.91	84	17039	3.660	ug/l	93
31) Cyclohexane	7.95	56	6719	1.289	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	21420	4.758	ug/l #	53
38) Carbon Tetrachloride	7.95	117	27975	6.005	ug/l #	18
74) N-amyl acetate	12.27	43	248	4.302	ug/l #	51
76) 1,2,3-Trichloropropane	12.62	75	84955	73.653	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84955	149.102	ug/l #	6

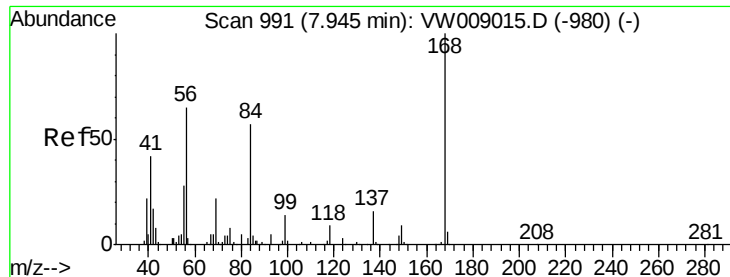
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW009028.D

Acq: 06 Mar 2019 21:04

Instrument :

MSVOA_W

ClientSampleId :

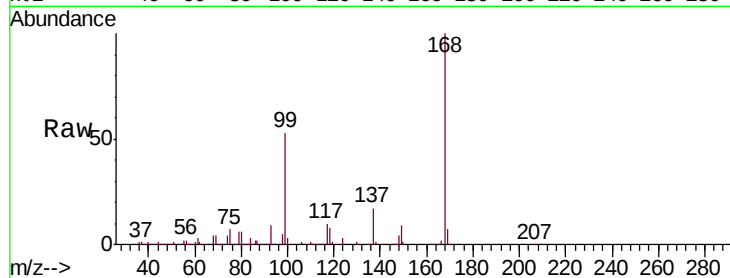
Z2-10

Tgt Ion:168 Resp: 289150

Ion Ratio Lower Upper

168 100

99 52.7 43.5 65.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

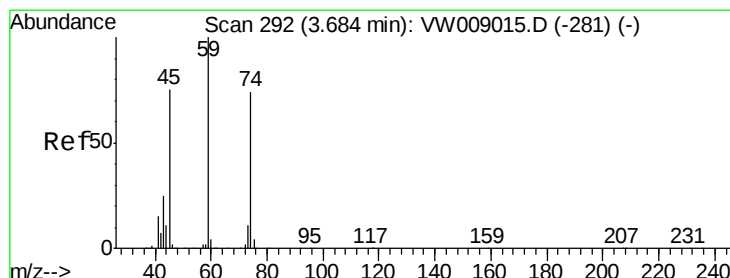
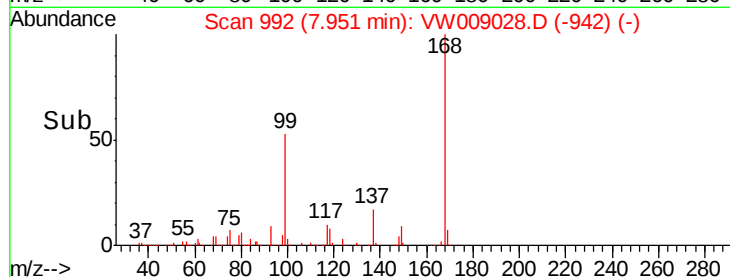
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.304 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW009028.D

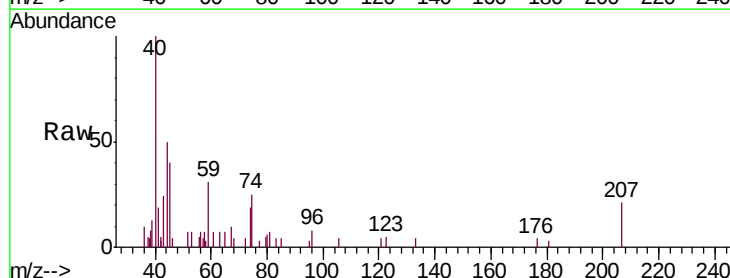
Acq: 06 Mar 2019 21:04

Tgt Ion: 74 Resp: 1901

Ion Ratio Lower Upper

74 100

45 95.4 48.8 146.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.70

800

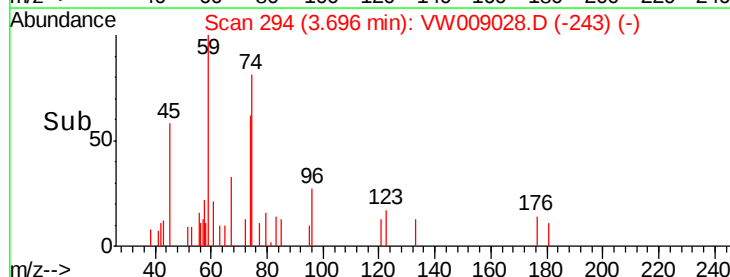
600

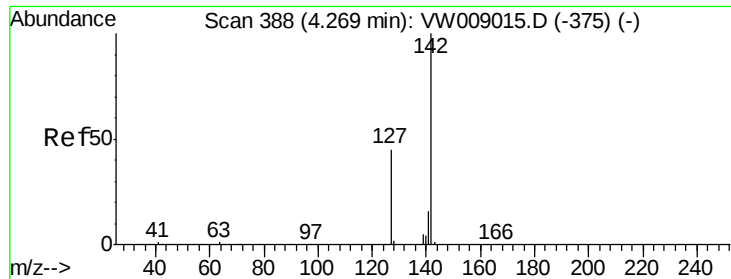
400

200

0

Time-->

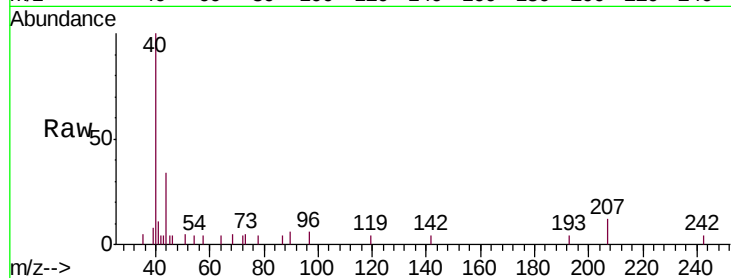




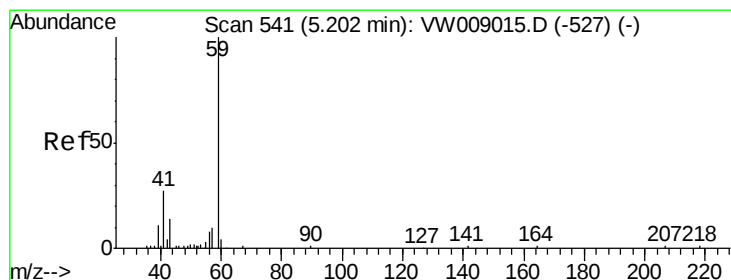
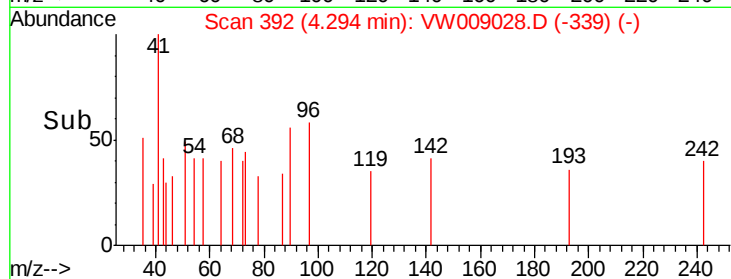
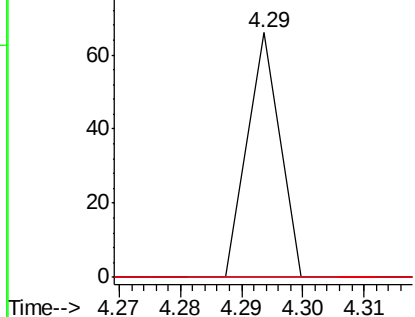
#10
Methyl Iodide
Concen: 5.643 ug/l
RT: 4.29 min Scan# 392
Delta R.T. 0.02 min
Lab File: VW009028.D
Acq: 06 Mar 2019 21:04

Instrument :
MSVOA_W
ClientSampleId :
Z2-10

Tgt Ion: 142 Resp: 24
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.3 18.5#

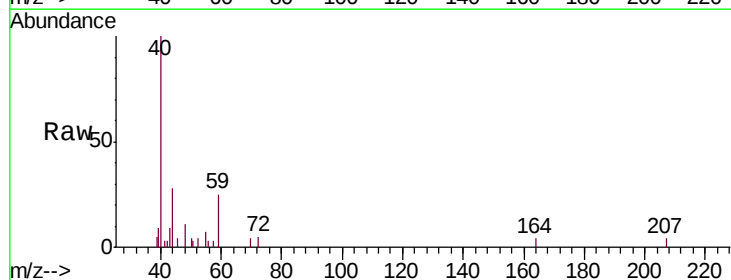


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

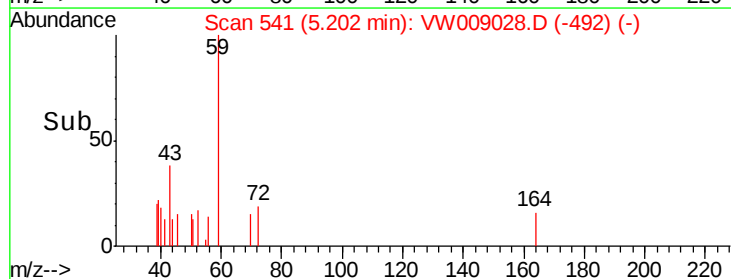
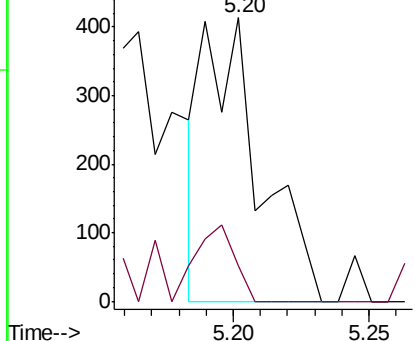


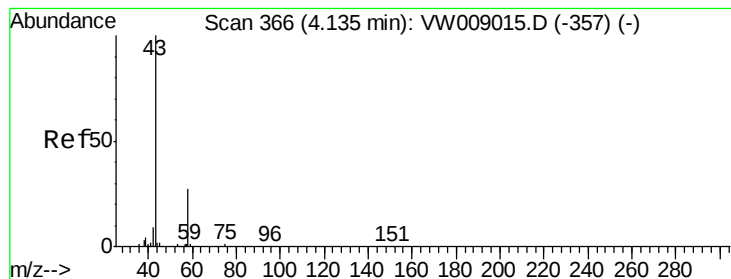
#11
Tert butyl alcohol
Concen: 2.876 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.00 min
Lab File: VW009028.D
Acq: 06 Mar 2019 21:04

Tgt Ion: 59 Resp: 598
Ion Ratio Lower Upper
59 100
57 18.7 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 36.766 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW009028.D

Acq: 06 Mar 2019 21:04

Instrument :

MSVOA_W

ClientSampleId :

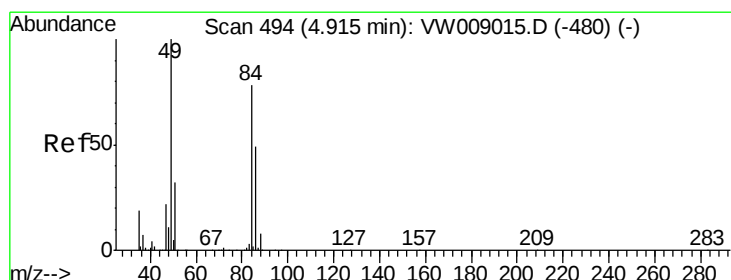
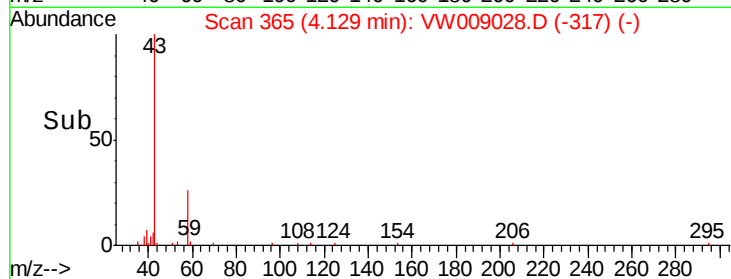
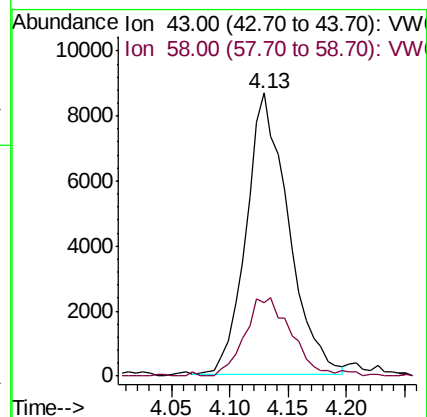
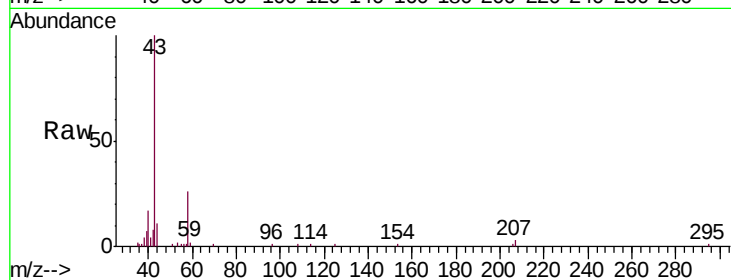
Z2-10

Tgt Ion: 43 Resp: 21906

Ion Ratio Lower Upper

43 100

58 24.4 21.6 32.4



#20

Methylene Chloride

Concen: 3.660 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009028.D

Acq: 06 Mar 2019 21:04

Tgt Ion: 84 Resp: 17039

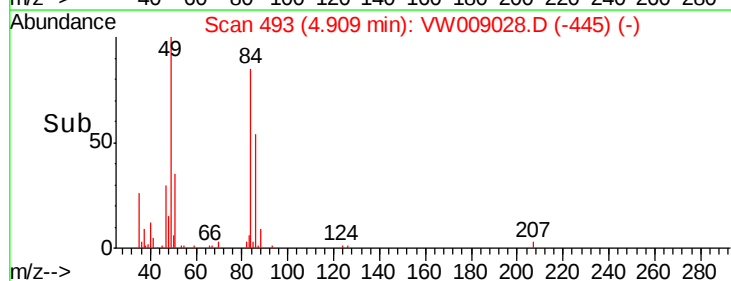
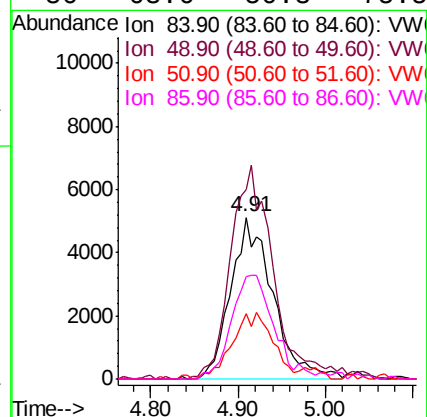
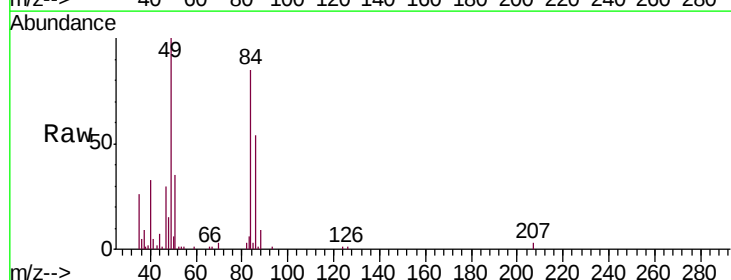
Ion Ratio Lower Upper

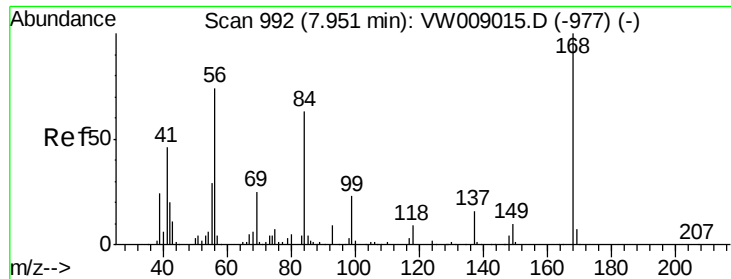
84 100

49 115.5 102.8 154.2

51 40.6 32.4 48.6

86 63.6 50.3 75.5

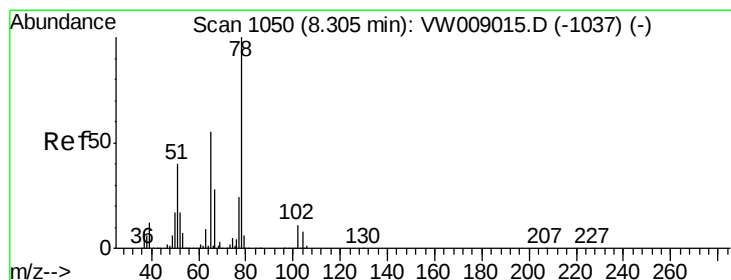
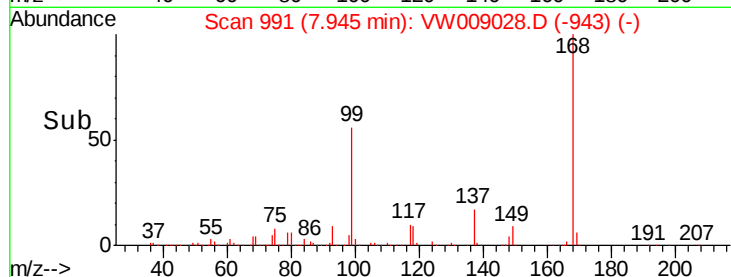
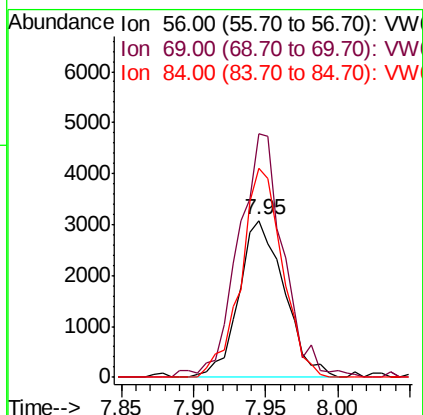
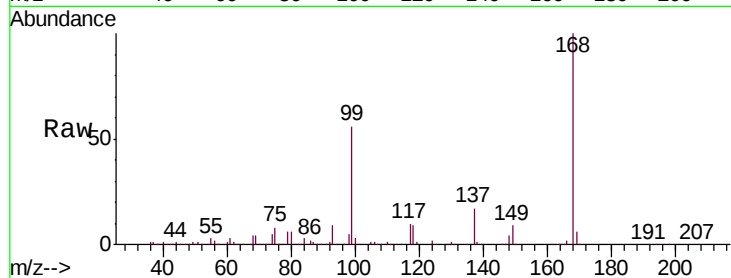




#31
Cyclohexane
Concen: 1.289 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009028.D
Acq: 06 Mar 2019 21:04

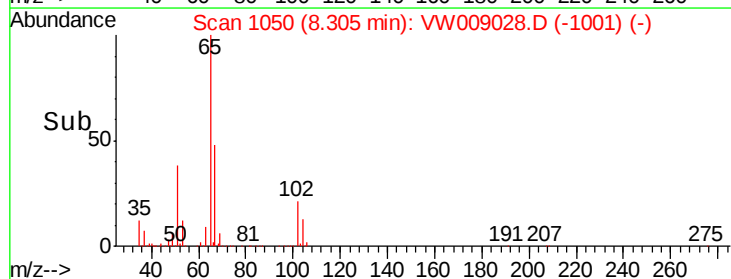
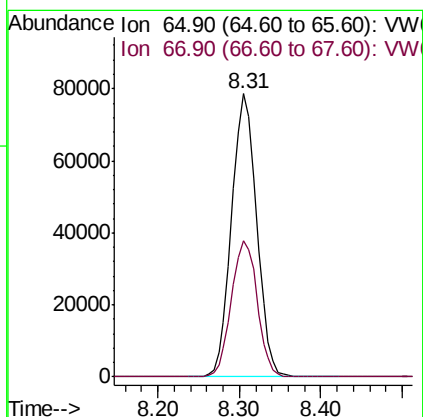
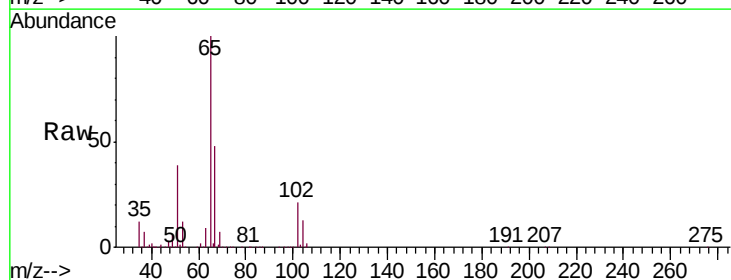
Instrument :
MSVOA_W
ClientSampled :
Z2-10

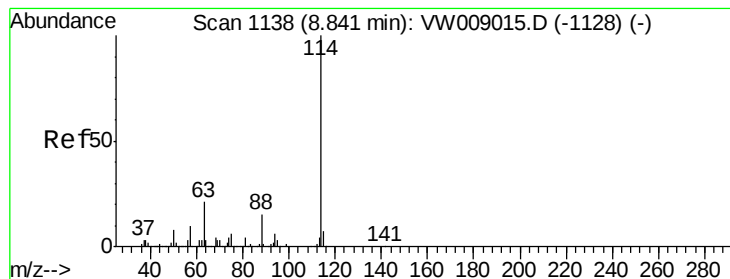
Tgt Ion: 56 Resp: 6719
Ion Ratio Lower Upper
56 100
69 151.0 27.0 40.4#
84 132.9 68.3 102.5#



#33
1,2-Dichloroethane-d4
Concen: 57.364 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW009028.D
Acq: 06 Mar 2019 21:04

Tgt Ion: 65 Resp: 166406
Ion Ratio Lower Upper
65 100
67 49.7 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009028.D

Acq: 06 Mar 2019 21:04

Instrument :

MSVOA_W

ClientSampleId :

Z2-10

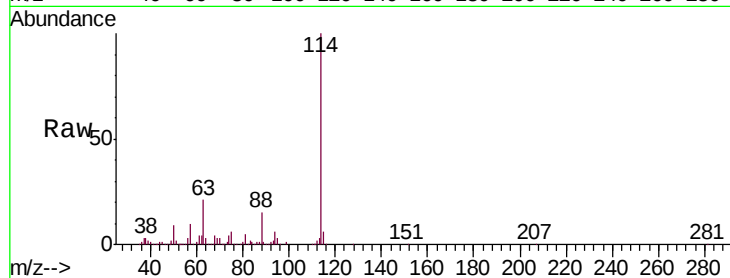
Tgt Ion:114 Resp: 452746

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.4

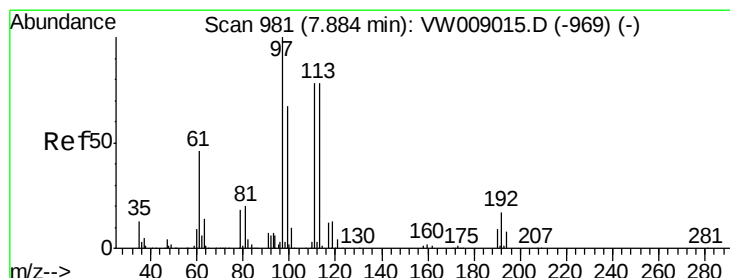
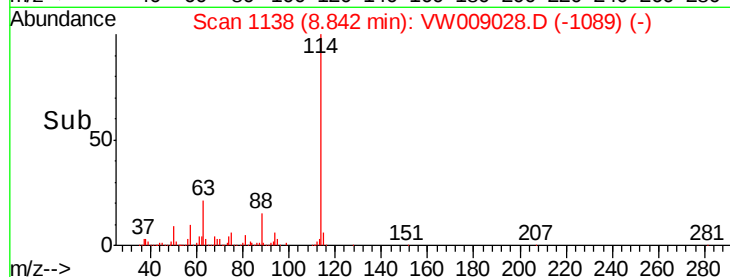
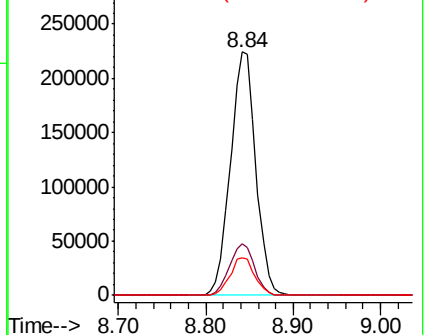
88 15.4 0.0 30.8



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: 51.288 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009028.D

Acq: 06 Mar 2019 21:04

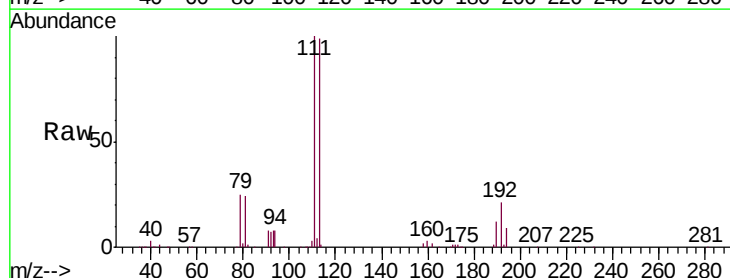
Tgt Ion:113 Resp: 139783

Ion Ratio Lower Upper

113 100

111 103.1 80.5 120.7

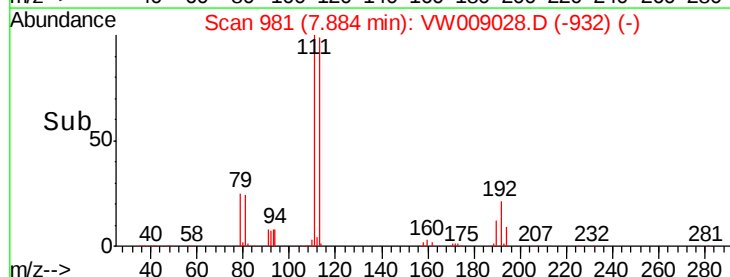
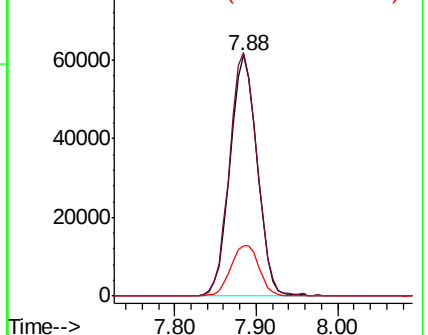
192 22.0 16.7 25.1

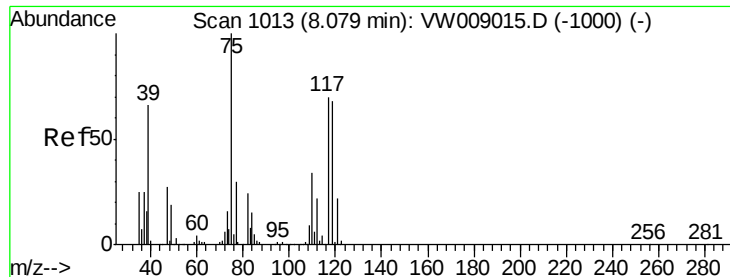


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

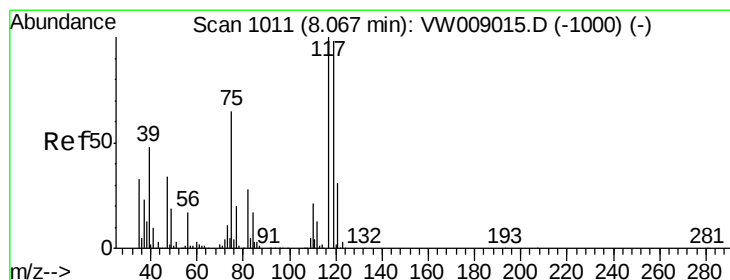
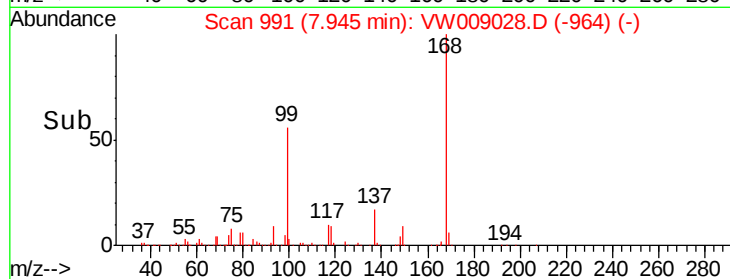
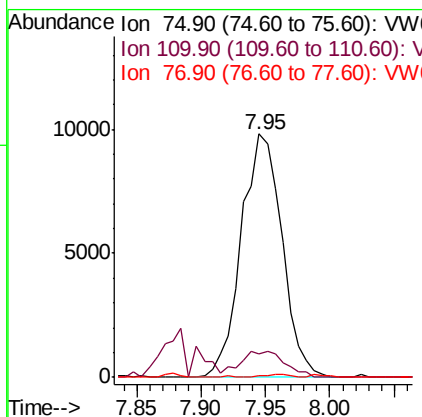
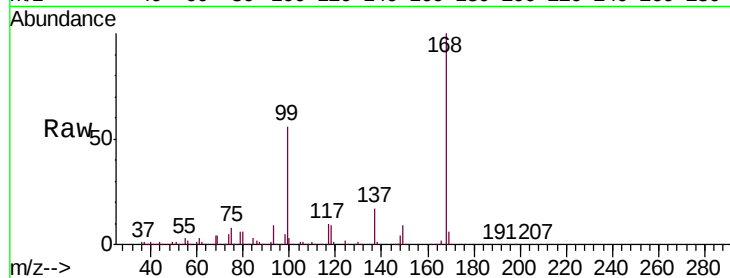




#36
 1,1-Dichloropropene
 Concen: 4.758 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009028.D
 Acq: 06 Mar 2019 21:04

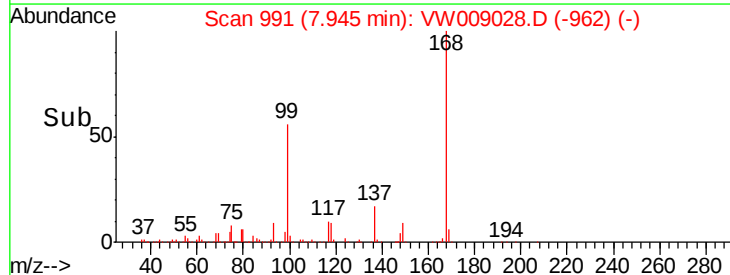
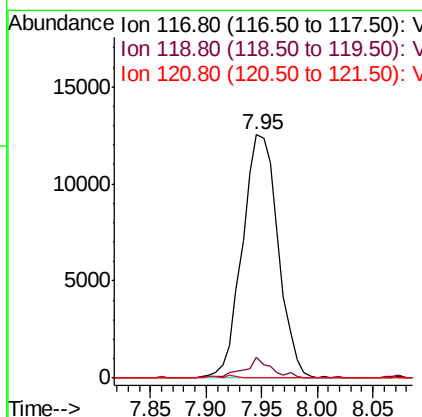
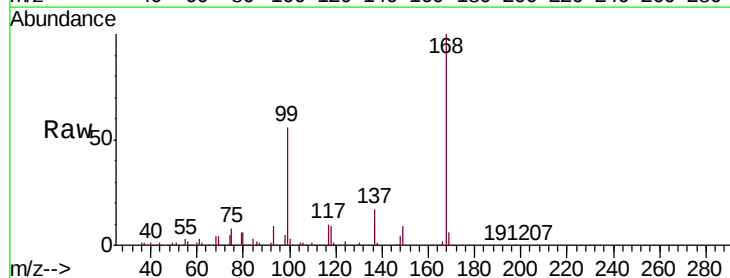
Instrument :
 MSVOA_W
 ClientSampled :
 Z2-10

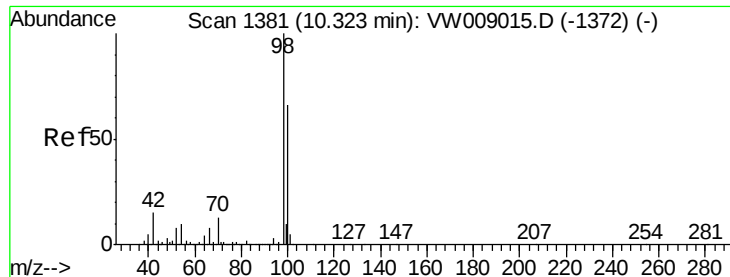
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.9	17.3	51.9#
77	0.8	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.005 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW009028.D
 Acq: 06 Mar 2019 21:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	8.4	78.4	117.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 48.167 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009028.D

Acq: 06 Mar 2019 21:04

Instrument :

MSVOA_W

ClientSampleId :

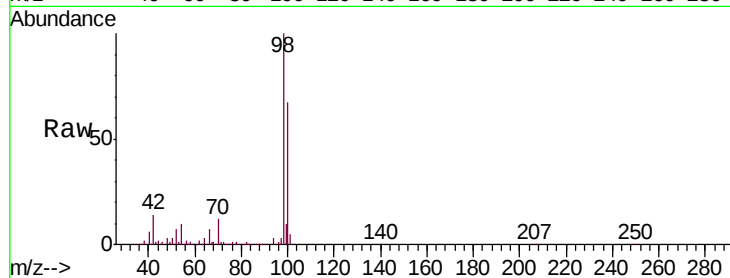
Z2-10

Tgt Ion: 98 Resp: 539487

Ion Ratio Lower Upper

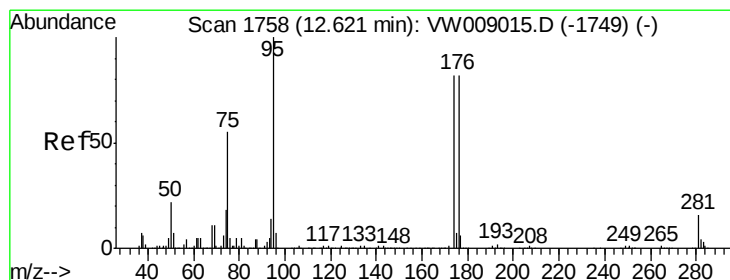
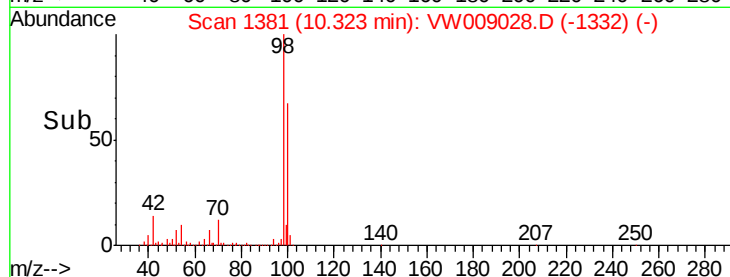
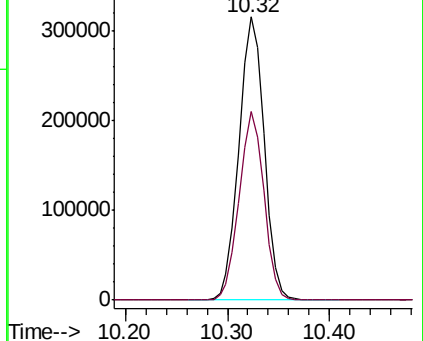
98 100

100 65.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 36.289 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009028.D

Acq: 06 Mar 2019 21:04

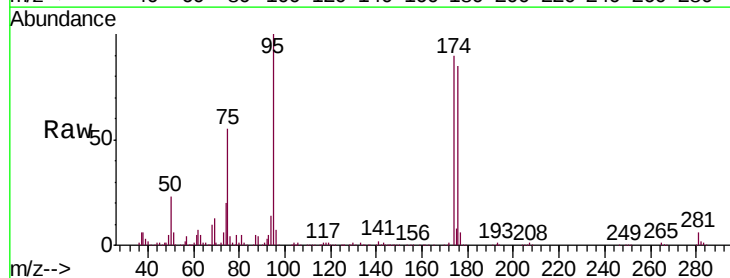
Tgt Ion: 95 Resp: 156972

Ion Ratio Lower Upper

95 100

174 87.3 0.0 165.8

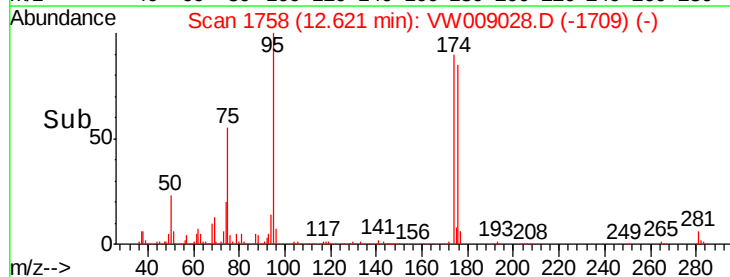
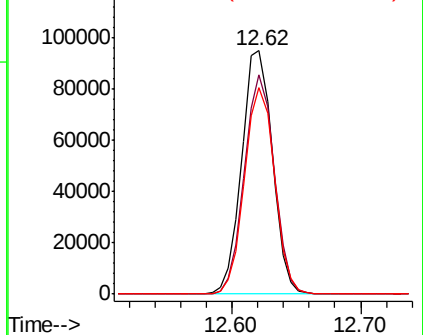
176 83.0 0.0 159.8

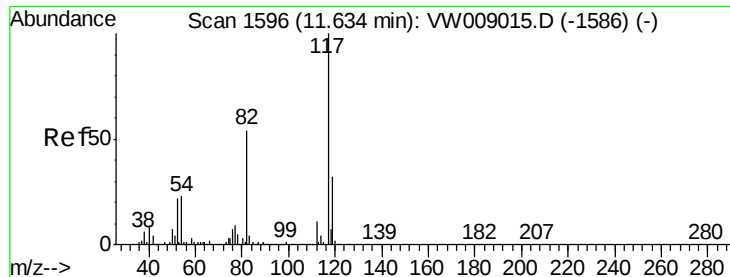


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

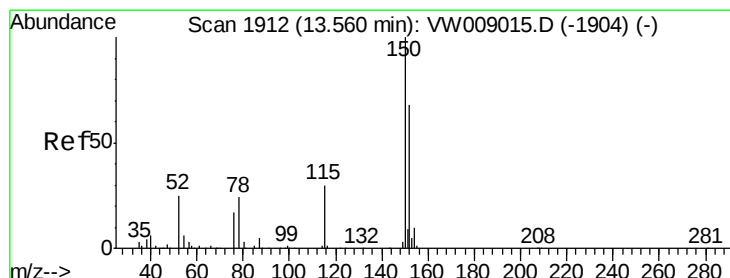
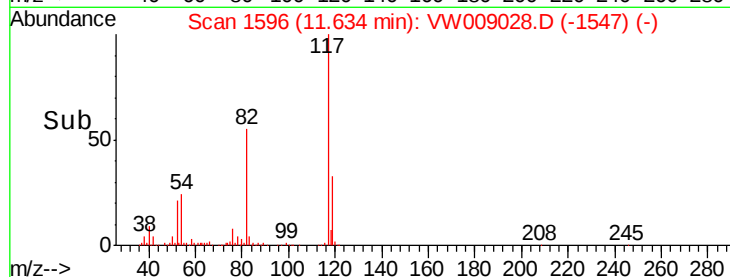
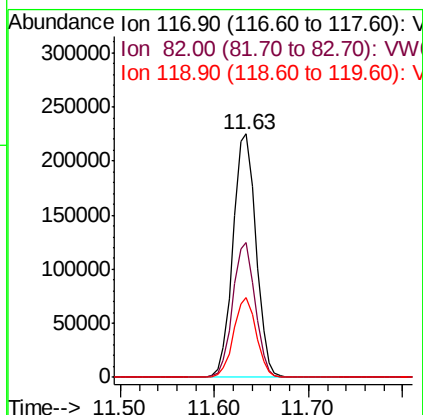
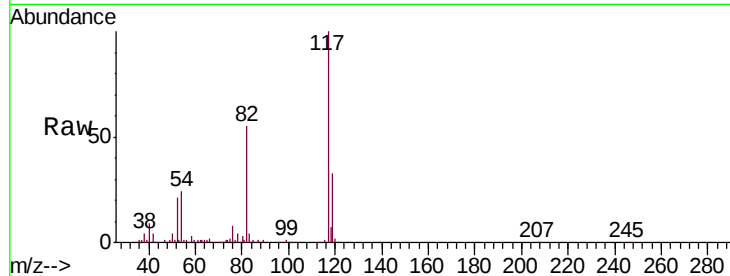




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009028.D
Acq: 06 Mar 2019 21:04

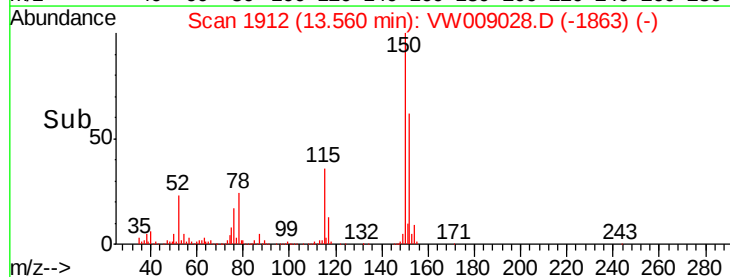
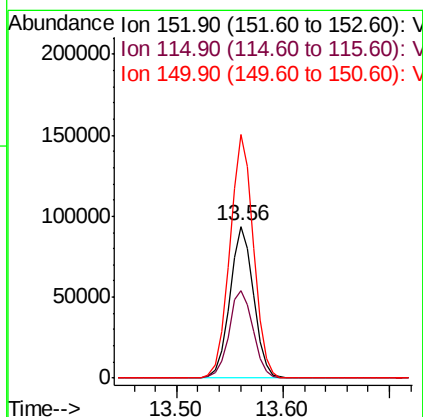
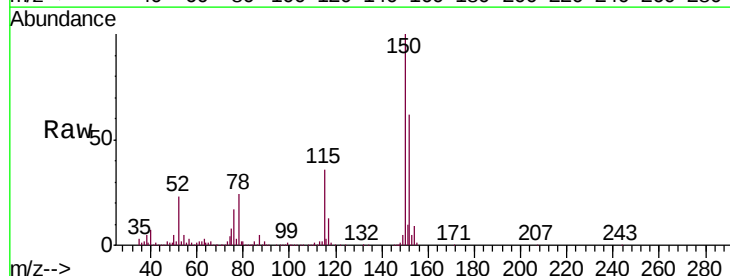
Instrument :
MSVOA_W
ClientSampled :
Z2-10

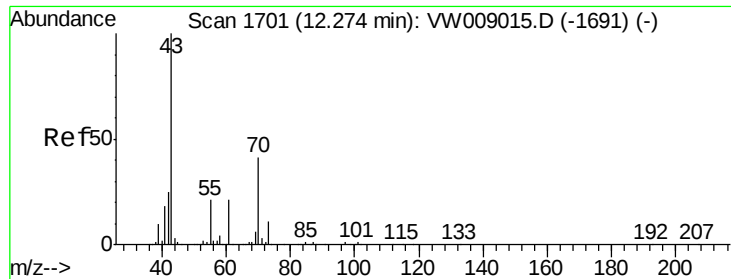
Tgt Ion:117 Resp: 382282
Ion Ratio Lower Upper
117 100
82 55.4 43.4 65.2
119 32.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009028.D
Acq: 06 Mar 2019 21:04

Tgt Ion:152 Resp: 145535
Ion Ratio Lower Upper
152 100
115 59.1 29.3 87.8
150 160.6 0.0 348.6

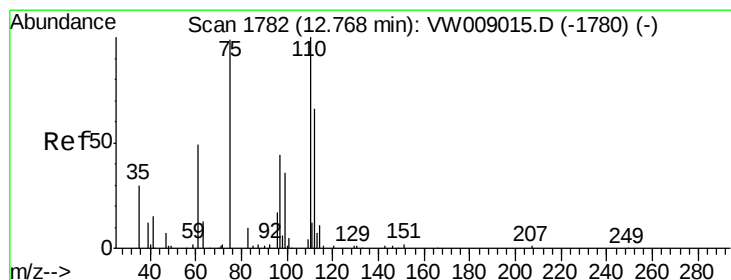
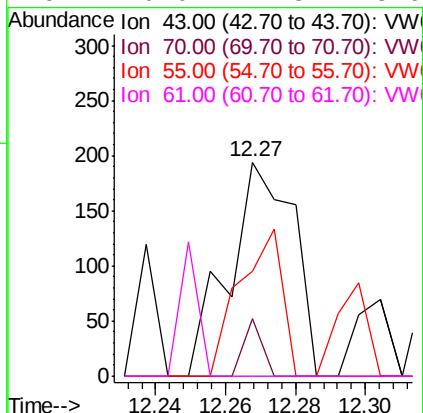
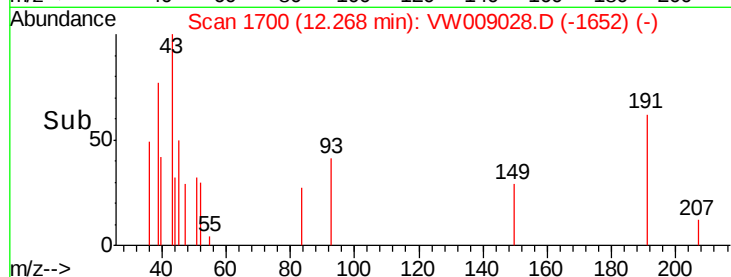
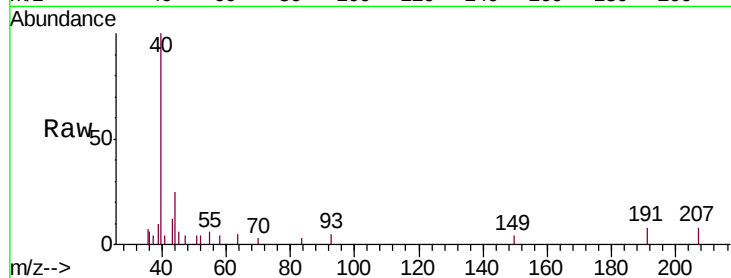




#74
N-ethyl acetate
Concen: 4.302 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: VW009028.D
Acq: 06 Mar 2019 21:04

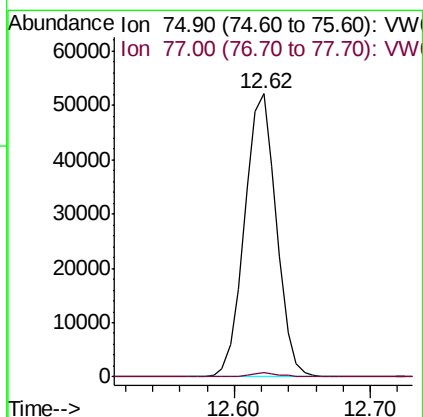
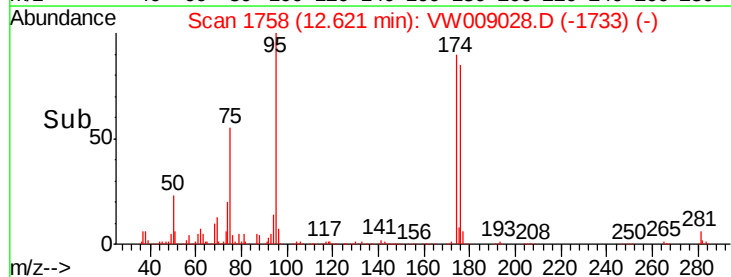
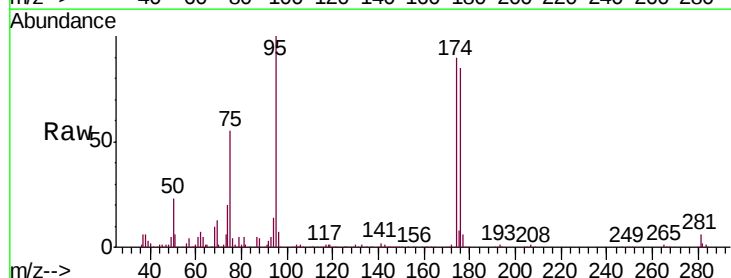
Instrument :
MSVOA_W
ClientSampleId :
Z2-10

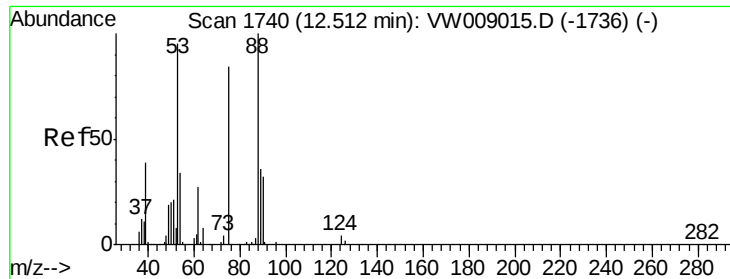
Tgt Ion: 43 Resp: 248
Ion Ratio Lower Upper
43 100
70 7.7 31.2 46.8#
55 45.6 18.0 27.0#
61 0.0 17.3 25.9#



#76
1,2,3-Trichloropropane
Concen: 73.653 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW009028.D
Acq: 06 Mar 2019 21:04

Tgt Ion: 75 Resp: 84955
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 149.102 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009028.D

Acq: 06 Mar 2019 21:04

Instrument :

MSVOA_W

ClientSampleId :

Z2-10

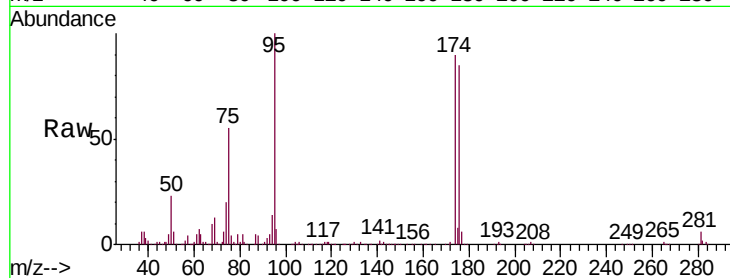
Tgt Ion: 75 Resp: 84955

Ion Ratio Lower Upper

75 100

53 0.1 88.5 132.7#

89 0.0 36.3 54.5#



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

