

Data File : VW008812.D
Acq On : 25 Feb 2019 17:38
Operator : SY/VA
Sample : K1613-02
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
R-1A

Quant Time: Feb 26 03:44:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	359618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	542942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	484448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	219094	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	205710	60.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.98%	
35) Dibromofluoromethane	7.88	113	173336	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	10.32	98	652461	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.62	95	222390	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	

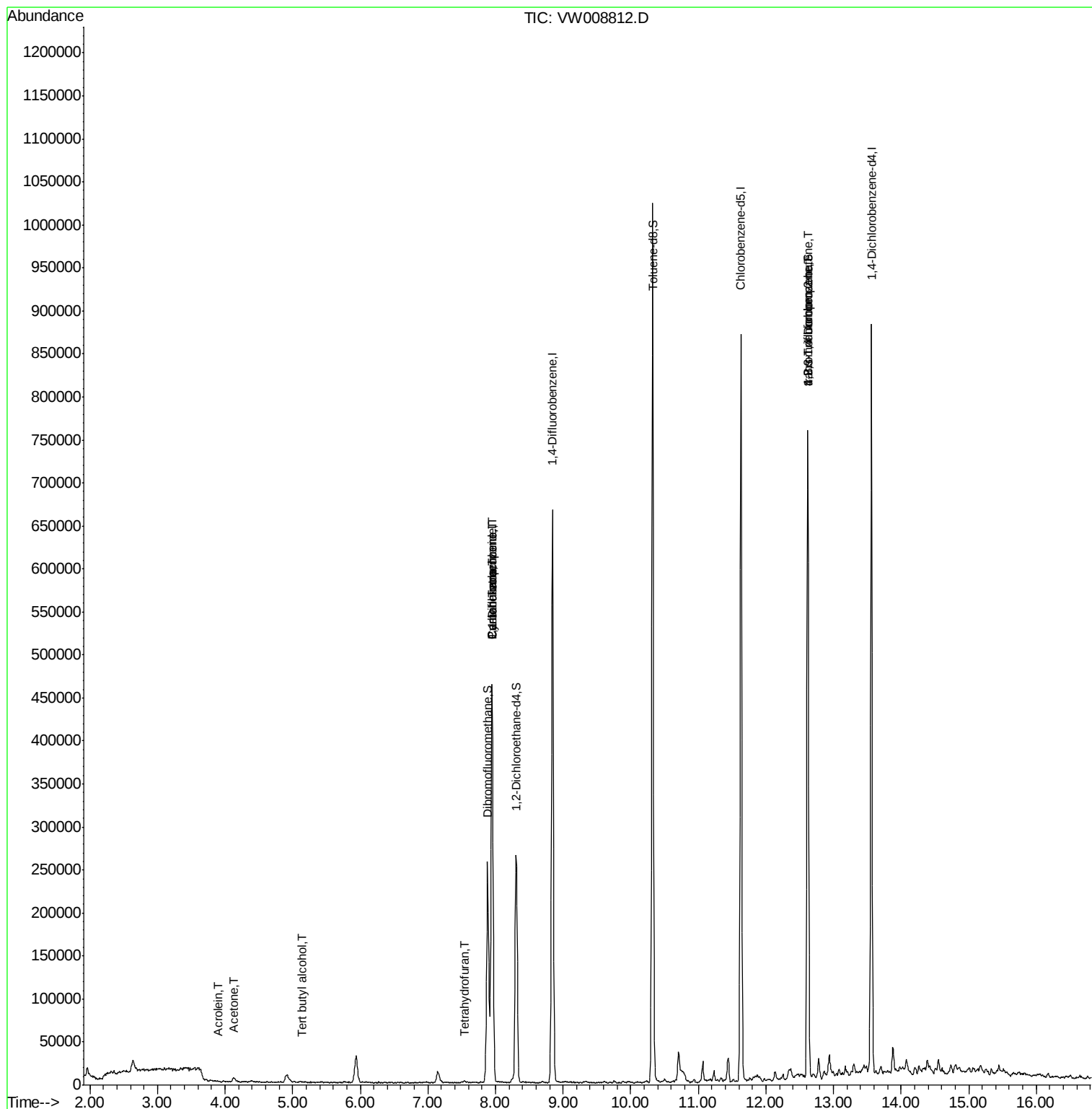
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.13	59	1064	3.543	ug/l #	76
13) Acrolein	3.90	56	355	20.812	ug/l #	64
16) Acetone	4.13	43	9604	12.284	ug/l	97
20) Methylene Chloride	4.92	84	6881	Below Cal	#	74
29) Tetrahydrofuran	7.55	42	1086	1.559	ug/l #	90
31) Cyclohexane	7.95	56	8319	1.308	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	26480	5.010	ug/l #	51
38) Carbon Tetrachloride	7.95	117	34429	6.177	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	117372	64.885	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	117372	157.741	ug/l #	6

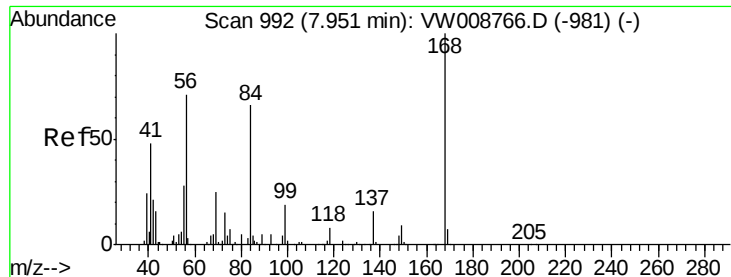
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008812.D

Acq: 25 Feb 2019 17:38

Instrument :

MSVOA_W

ClientSampled :

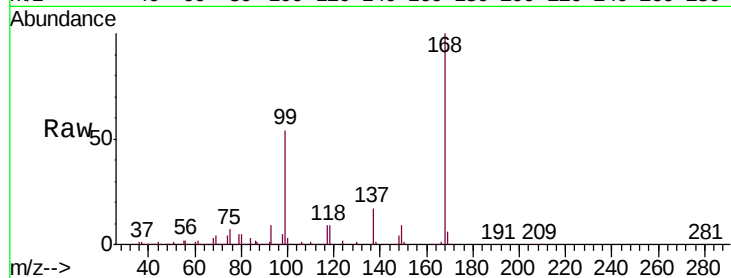
R-1A

Tgt Ion:168 Resp: 359618

Ion Ratio Lower Upper

168 100

99 53.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

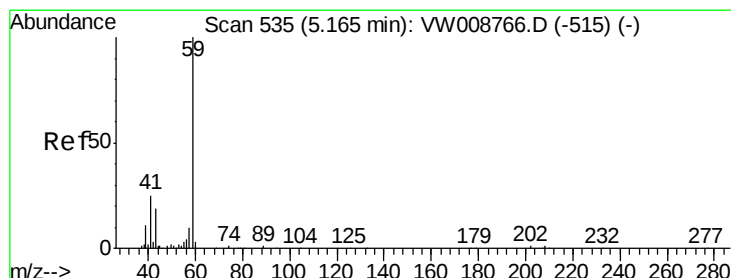
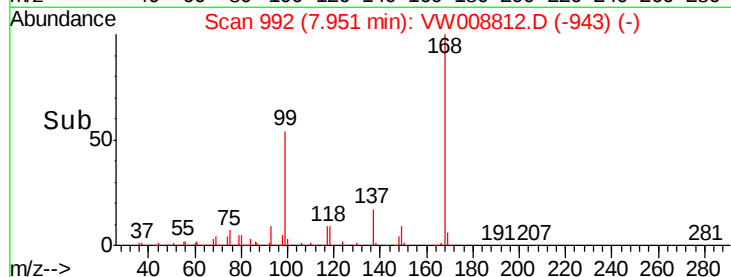
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.543 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW008812.D

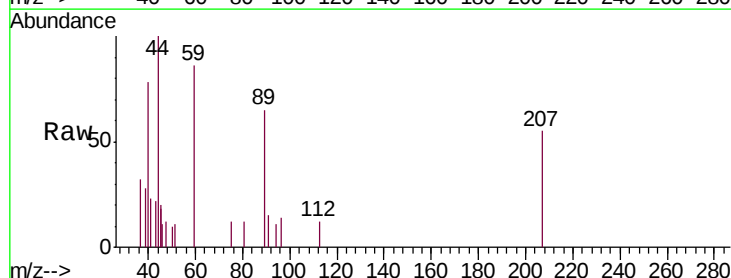
Acq: 25 Feb 2019 17:38

Tgt Ion: 59 Resp: 1064

Ion Ratio Lower Upper

59 100

57 2.3 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

500

400

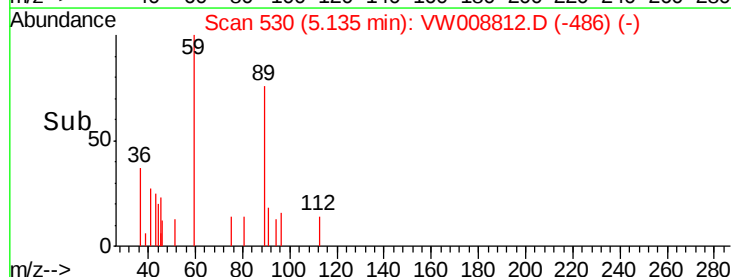
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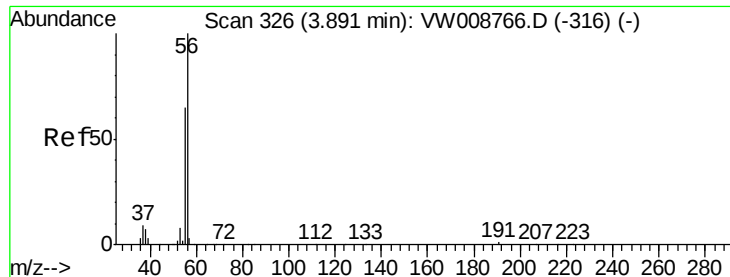
200

100

0

Time-->





#13

Acrolein

Concen: 20.812 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008812.D

Acq: 25 Feb 2019 17:38

Instrument :

MSVOA_W

ClientSampled :

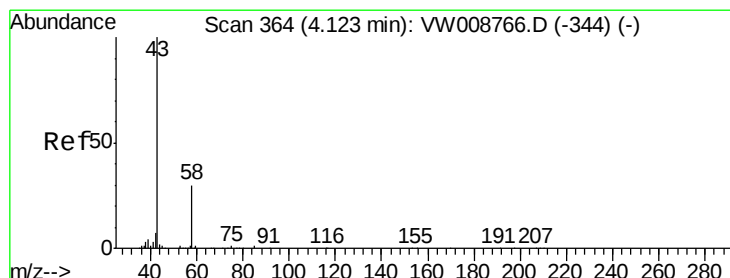
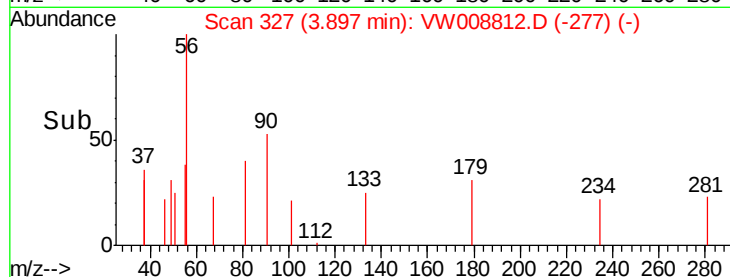
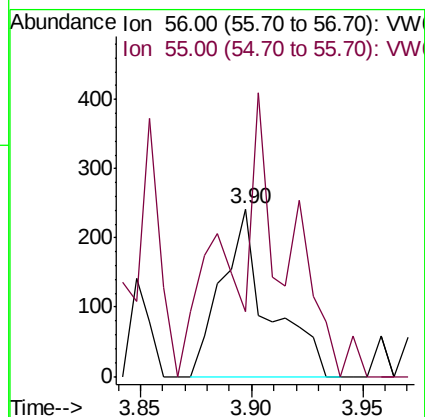
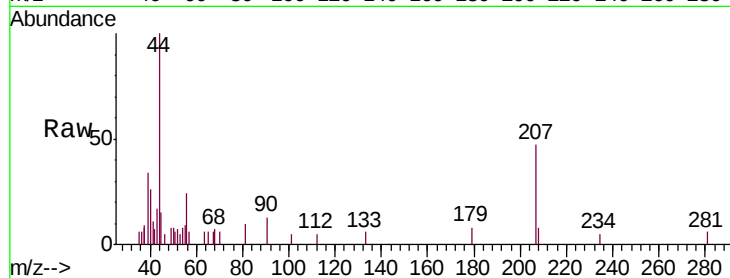
R-1A

Tgt Ion: 56 Resp: 355

Ion Ratio Lower Upper

56 100

55 41.7 56.9 85.3#



#16

Acetone

Concen: 12.284 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW008812.D

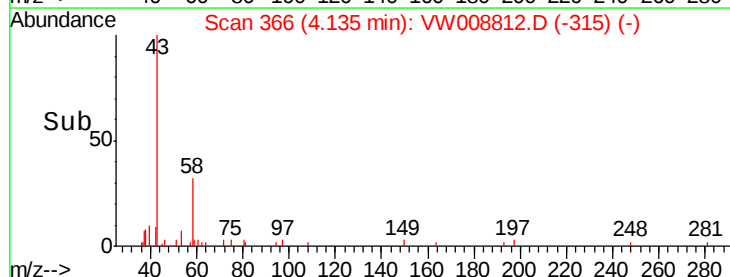
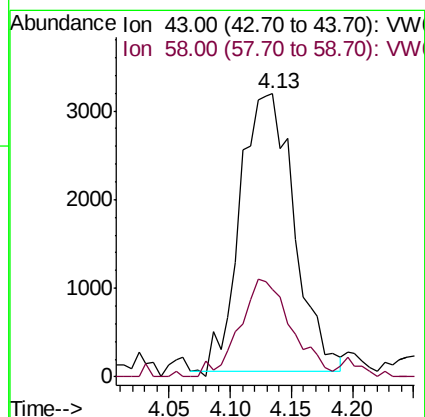
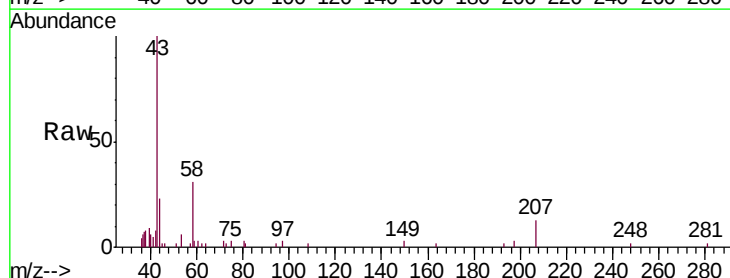
Acq: 25 Feb 2019 17:38

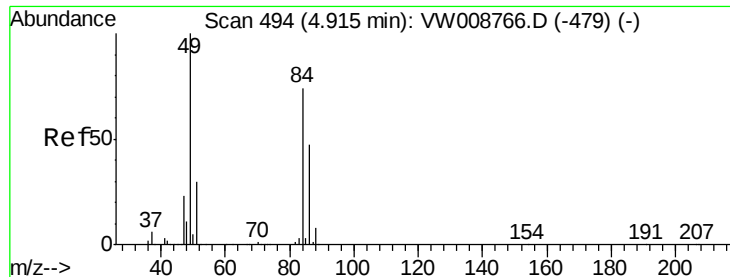
Tgt Ion: 43 Resp: 9604

Ion Ratio Lower Upper

43 100

58 31.3 23.8 35.6





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

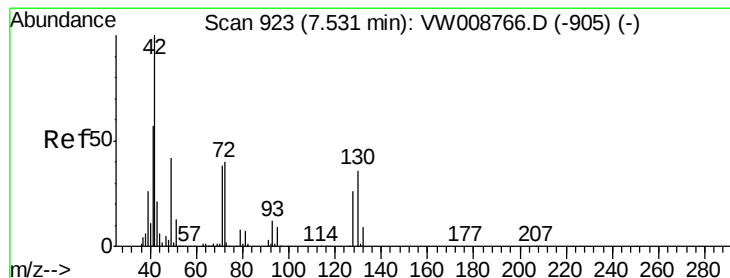
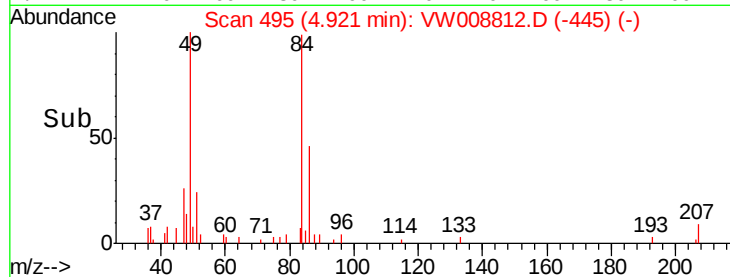
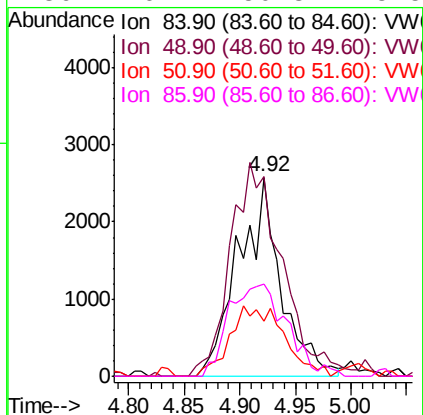
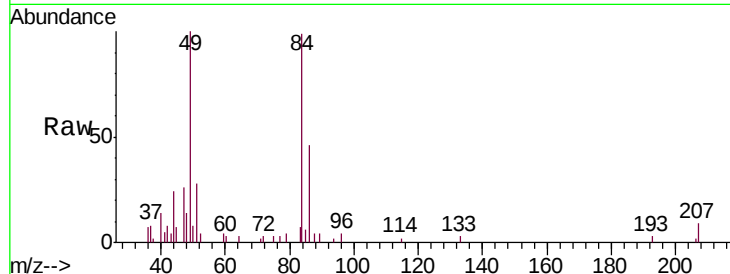
Delta R.T. 0.01 min

Lab File: VW008812.D

Acq: 25 Feb 2019 17:38

Instrument :
MSVOA_W
ClientSampled :
R-1A

Tgt Ion:	84	Resp:	6881
Ion	Ratio	Lower	Upper
84	100		
49	100.6	108.2	162.2#
51	28.0	32.7	49.1#
86	46.4	50.3	75.5#



#29

Tetrahydrofuran

Concen: 1.559 ug/l

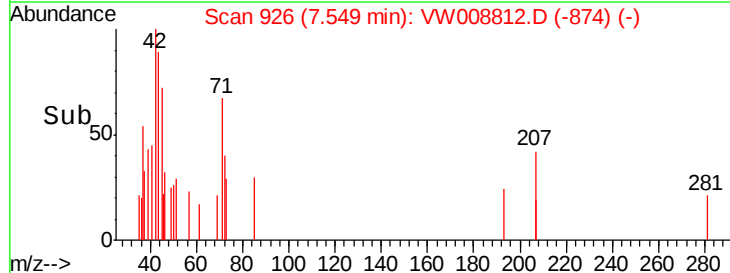
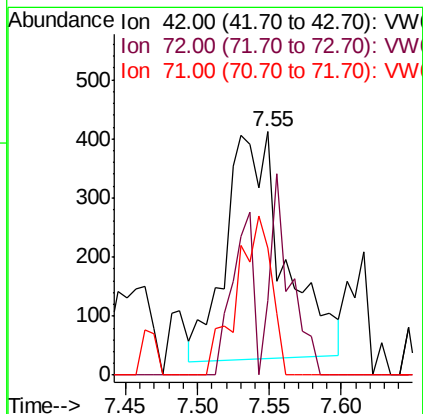
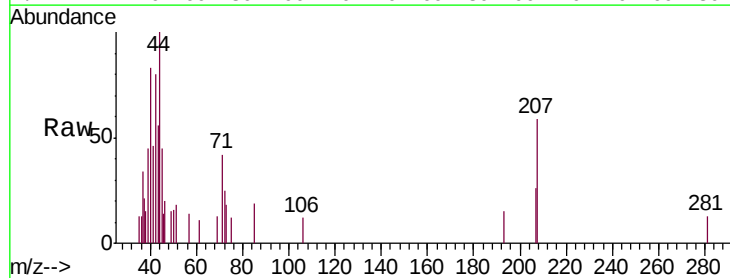
RT: 7.55 min Scan# 926

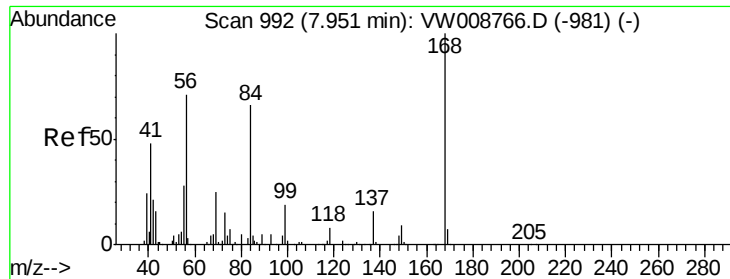
Delta R.T. 0.02 min

Lab File: VW008812.D

Acq: 25 Feb 2019 17:38

Tgt Ion:	42	Resp:	1086
Ion	Ratio	Lower	Upper
42	100		
72	30.8	32.7	49.1#
71	41.6	31.3	46.9

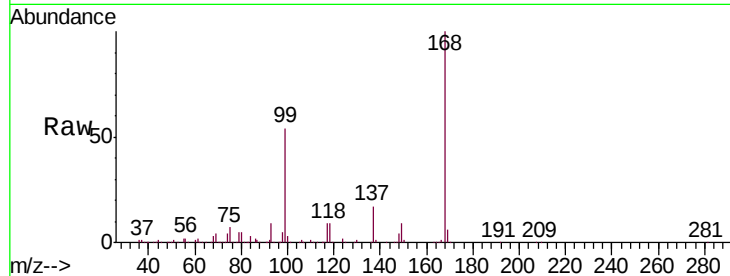




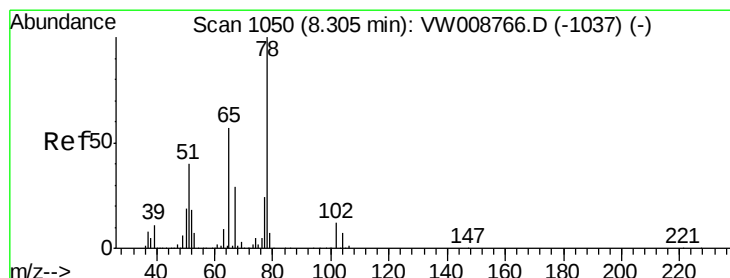
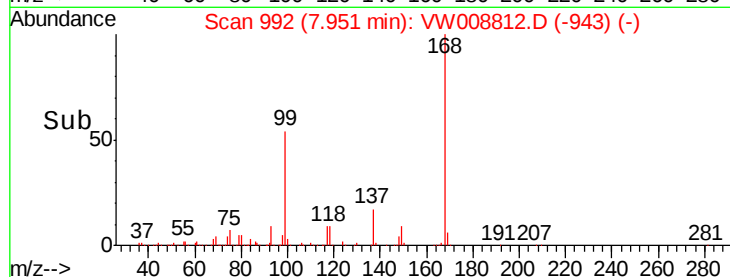
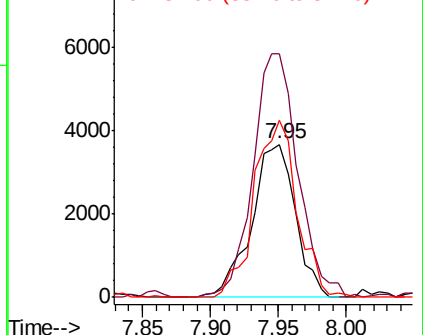
#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008812.D
Acq: 25 Feb 2019 17:38

Instrument :
MSVOA_W
ClientSampleId :
R-1A

Tgt Ion: 56 Resp: 8319
Ion Ratio Lower Upper
56 100
69 159.3 28.2 42.4#
84 116.2 74.1 111.1#

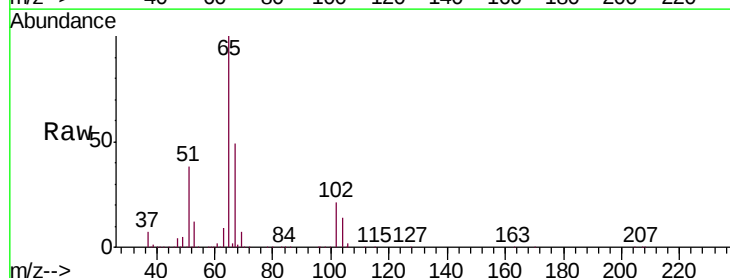


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

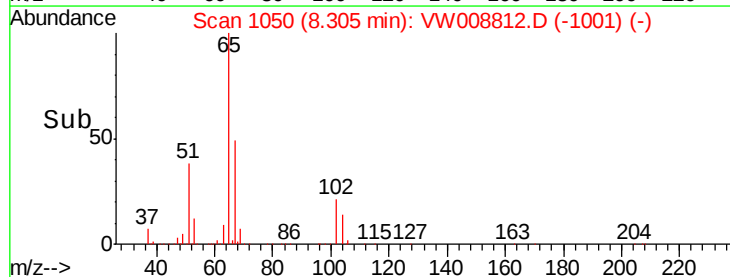
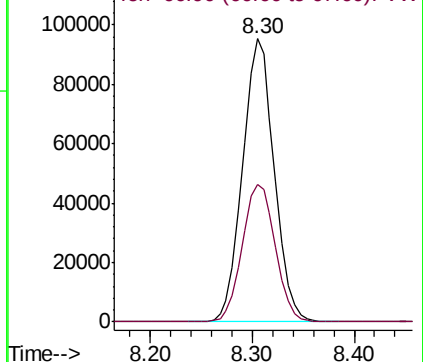


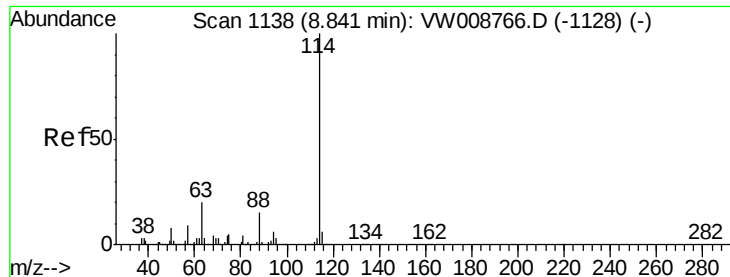
#33
1,2-Dichloroethane-d4
Concen: 60.989 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008812.D
Acq: 25 Feb 2019 17:38

Tgt Ion: 65 Resp: 205710
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.4



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

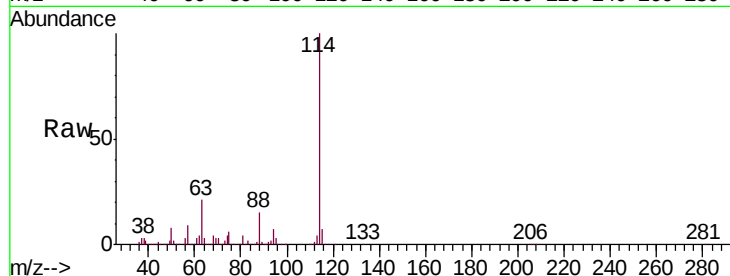




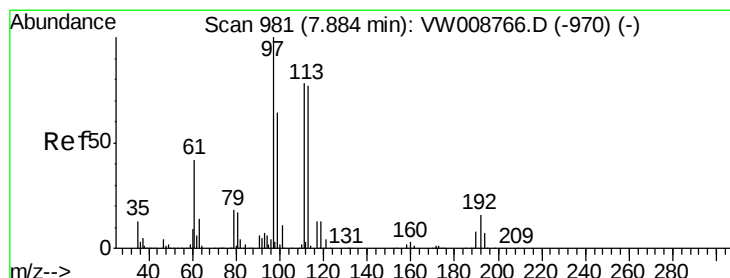
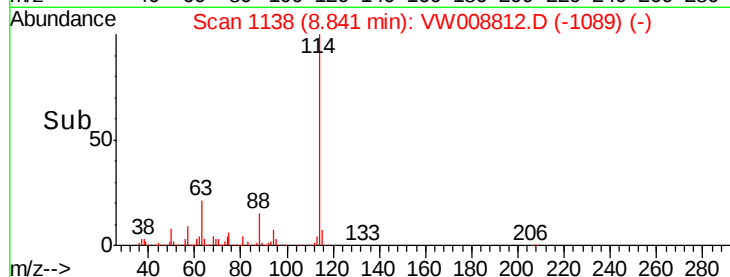
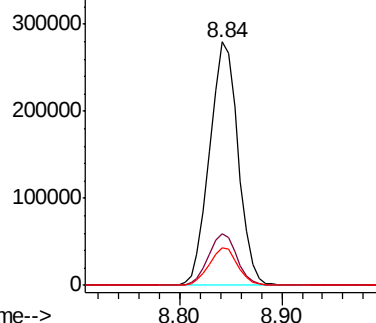
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008812.D
 Acq: 25 Feb 2019 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 R-1A

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	40.8
88	15.5	0.0	30.4

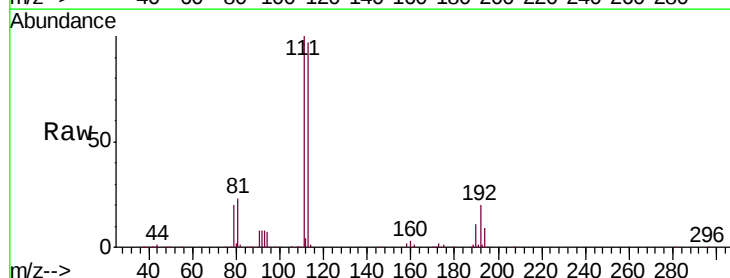


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

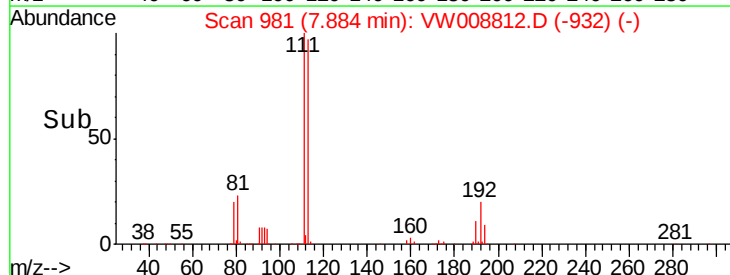
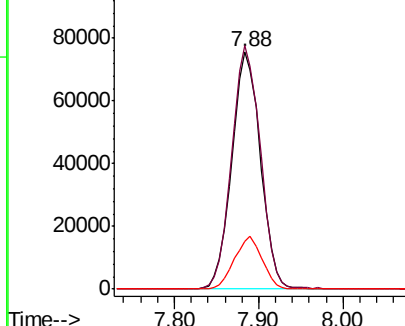


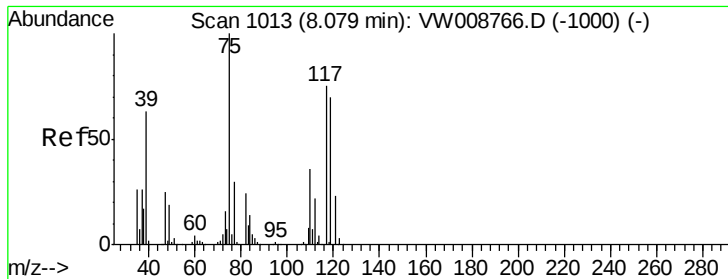
#35
 Dibromofluoromethane
 Concen: 53.172 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008812.D
 Acq: 25 Feb 2019 17:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	21.7	17.1	25.7



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

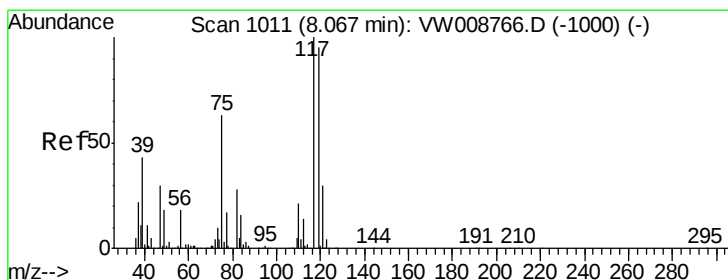
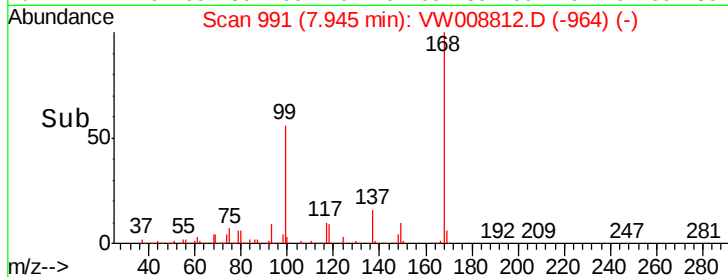
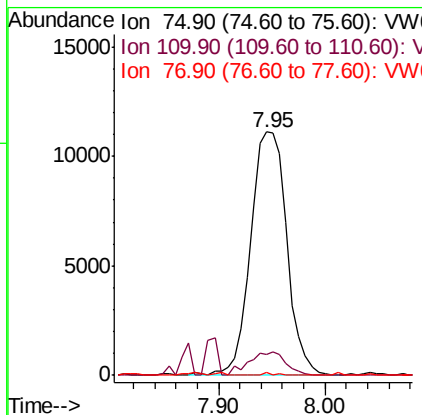
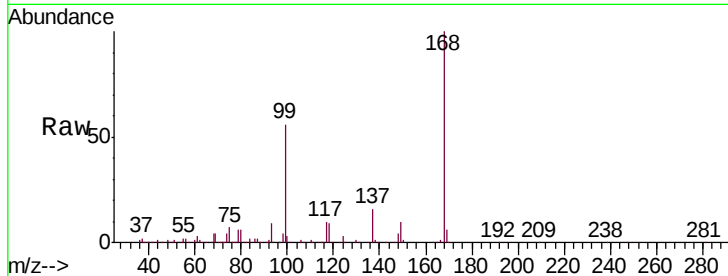




#36
 1,1-Dichloropropene
 Concen: 5.010 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008812.D
 Acq: 25 Feb 2019 17:38

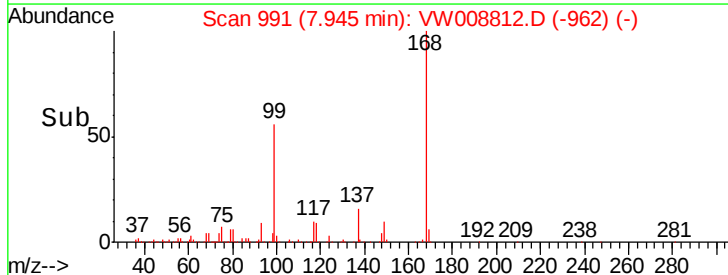
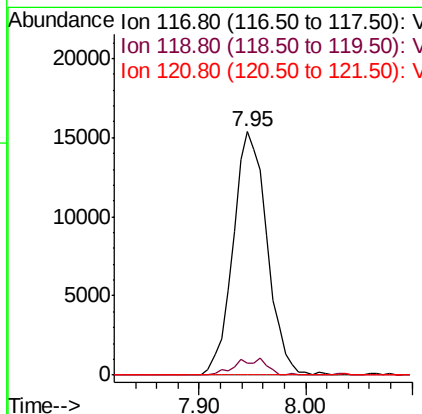
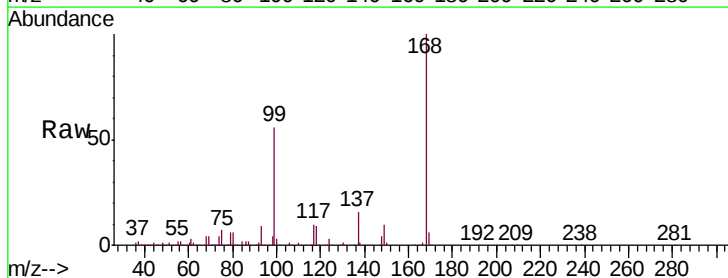
Instrument :
 MSVOA_W
 ClientSampleId :
 R-1A

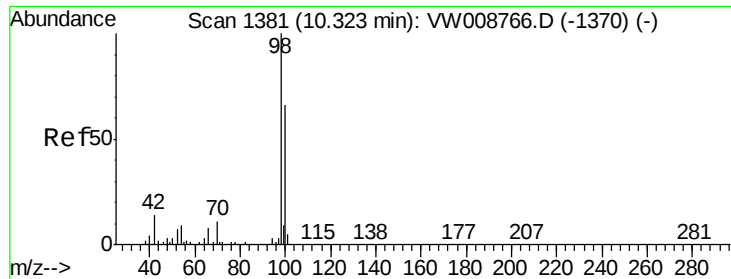
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.5	52.6#
77	0.2	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.177 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008812.D
 Acq: 25 Feb 2019 17:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.1	114.1#
121	0.0	24.0	36.0#





#50

Toluene-d8

Concen: 51.848 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008812.D

Acq: 25 Feb 2019 17:38

Instrument :

MSVOA_W

ClientSampleId :

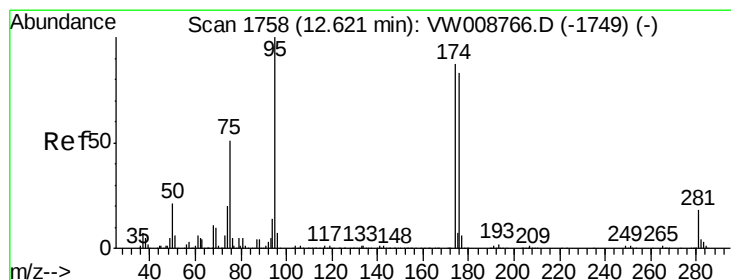
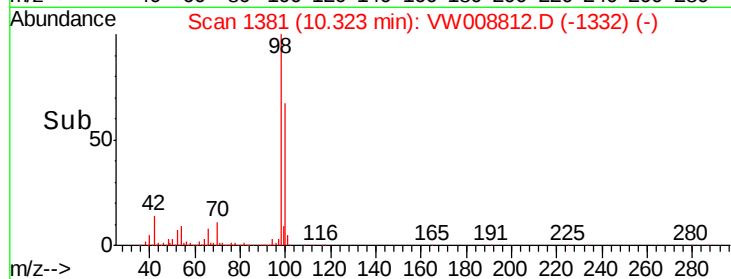
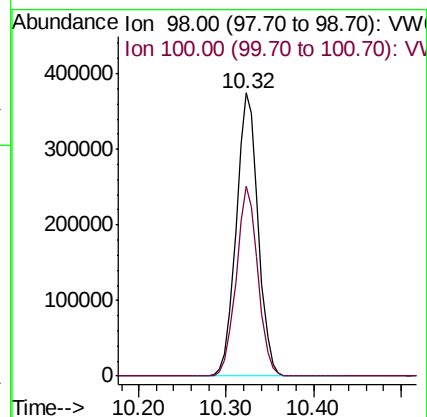
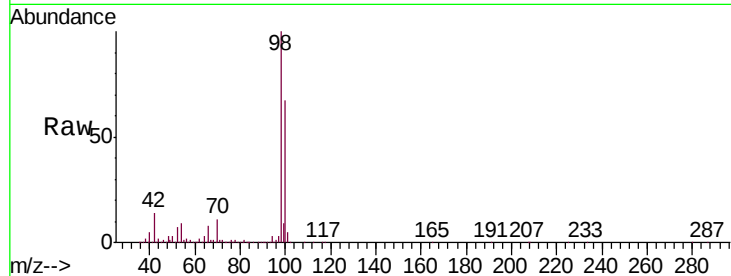
R-1A

Tgt Ion: 98 Resp: 652461

Ion Ratio Lower Upper

98 100

100 66.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 45.135 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008812.D

Acq: 25 Feb 2019 17:38

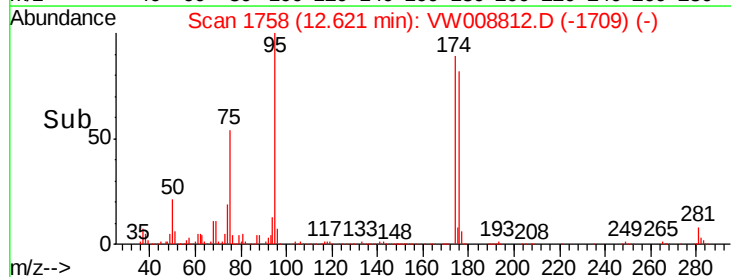
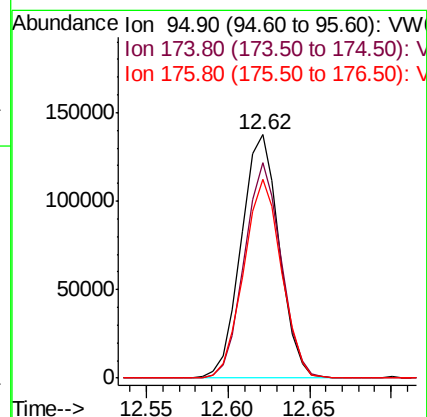
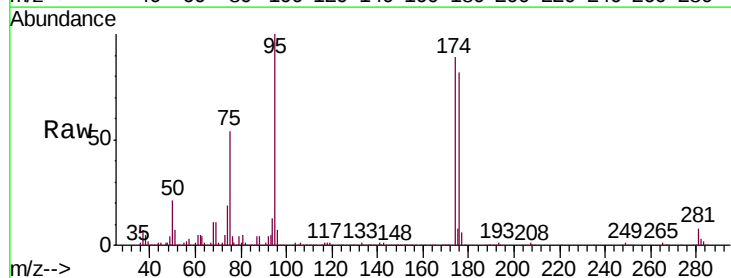
Tgt Ion: 95 Resp: 222390

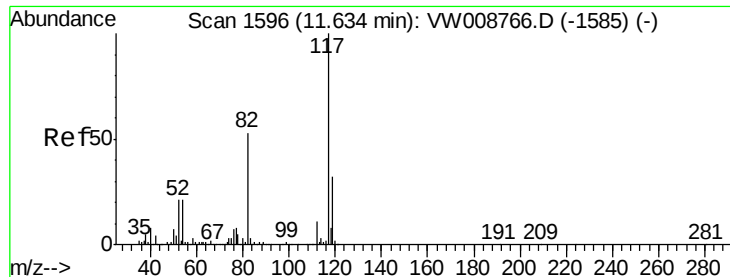
Ion Ratio Lower Upper

95 100

174 86.5 0.0 169.2

176 81.7 0.0 163.6

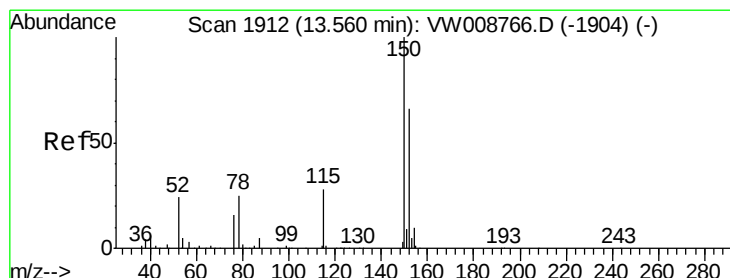
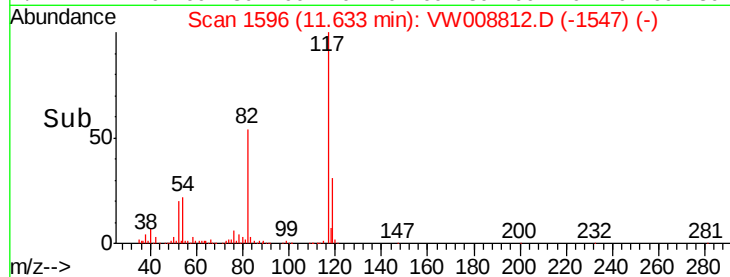
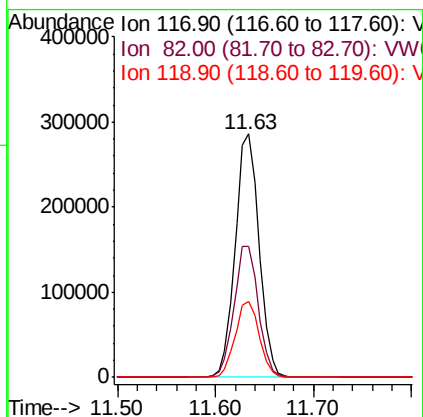
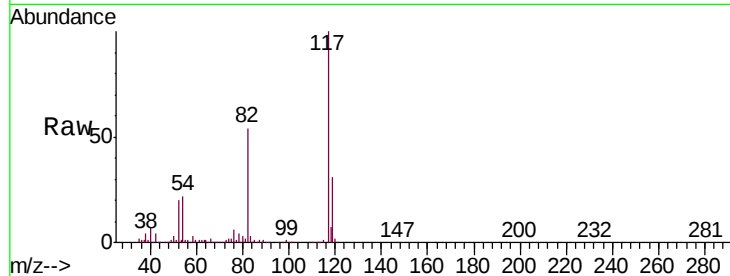




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008812.D
Acq: 25 Feb 2019 17:38

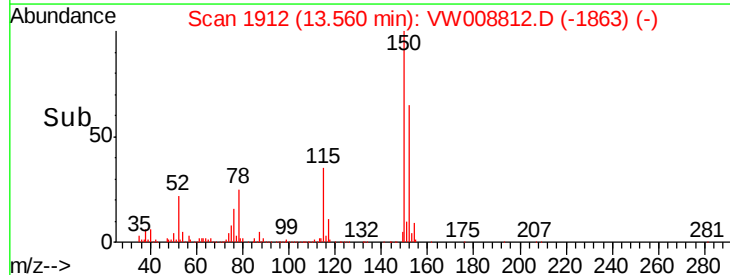
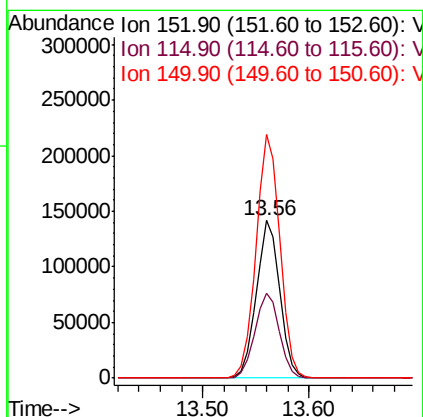
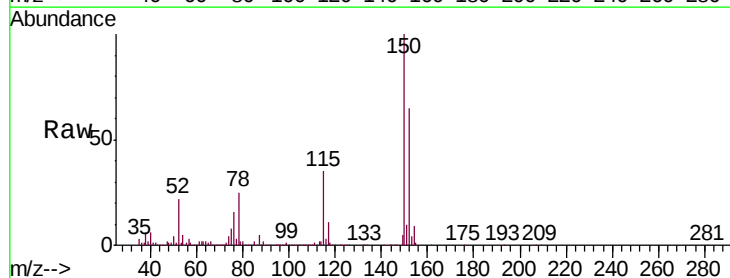
Instrument :
MSVOA_W
ClientSampleId :
R-1A

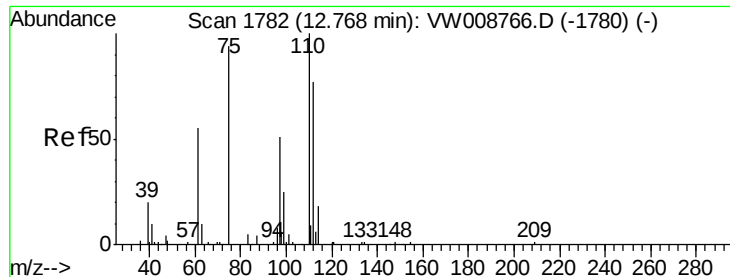
Tgt Ion:117 Resp: 484448
Ion Ratio Lower Upper
117 100
82 53.6 42.2 63.4
119 31.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008812.D
Acq: 25 Feb 2019 17:38

Tgt Ion:152 Resp: 219094
Ion Ratio Lower Upper
152 100
115 56.6 28.6 85.8
150 157.0 0.0 348.0

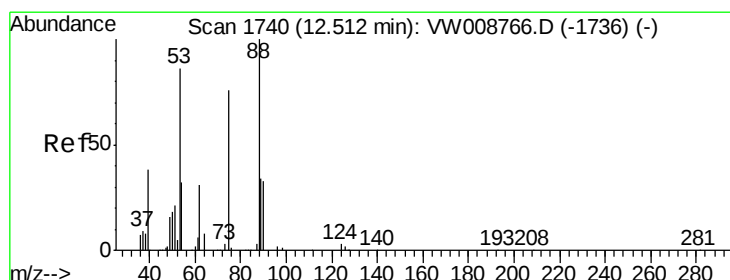
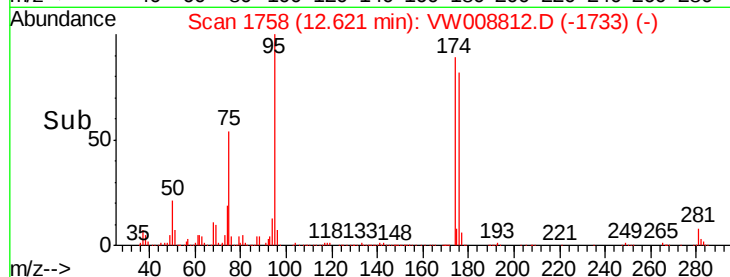
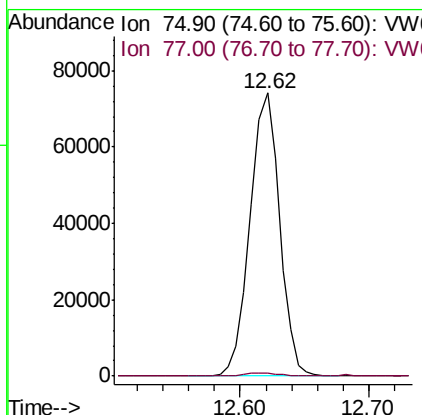
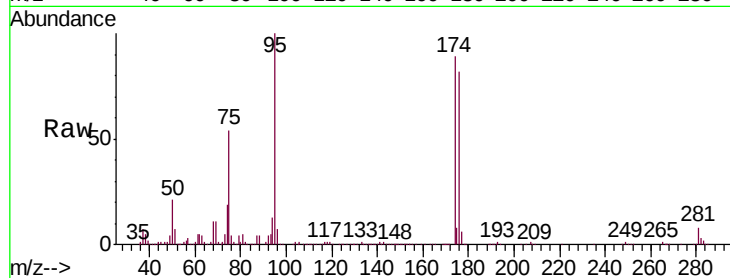




#76
 1,2,3-Trichloropropane
 Concen: 64.885 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008812.D
 Acq: 25 Feb 2019 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 R-1A

Tgt Ion: 75 Resp: 117372
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 157.741 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008812.D
 Acq: 25 Feb 2019 17:38

Tgt Ion: 75 Resp: 117372
 Ion Ratio Lower Upper
 75 100
 53 0.6 88.2 132.2#
 89 0.2 39.5 59.3#

