

Data File : VW008813.D
Acq On : 25 Feb 2019 18:04
Operator : SY/VA
Sample : K1613-04
Misc : 5.09G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
L-1A

Quant Time: Feb 26 03:44:39 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	372966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	577367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	510276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	243844	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	218321	62.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.82%	
35) Dibromofluoromethane	7.88	113	184085	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.32	98	681258	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.62	95	237947	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	

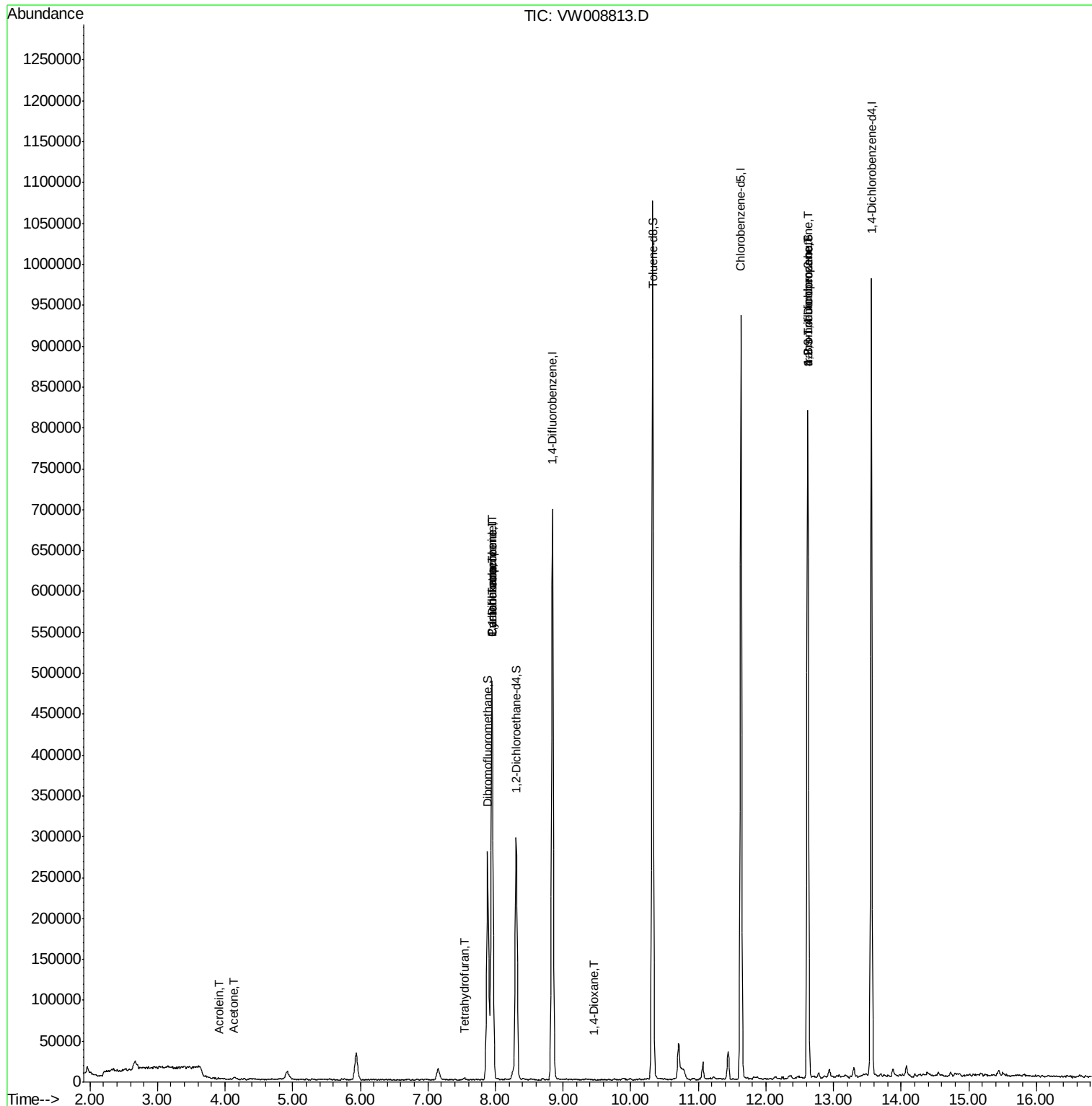
Target Compounds			Qvalue			
13) Acrolein	3.92	56	69	19.973	ug/l #	1
16) Acetone	4.13	43	3957	4.880	ug/l	97
20) Methylene Chloride	4.92	84	7164	Below Cal		93
29) Tetrahydrofuran	7.54	42	1477	2.045	ug/l #	65
31) Cyclohexane	7.95	56	8488	1.287	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	27322	4.861	ug/l #	50
38) Carbon Tetrachloride	7.95	117	35294	5.955	ug/l #	17
49) 1,4-Dioxane	9.45	88	47	1.391	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	123672	61.429	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	123672	149.338	ug/l #	6

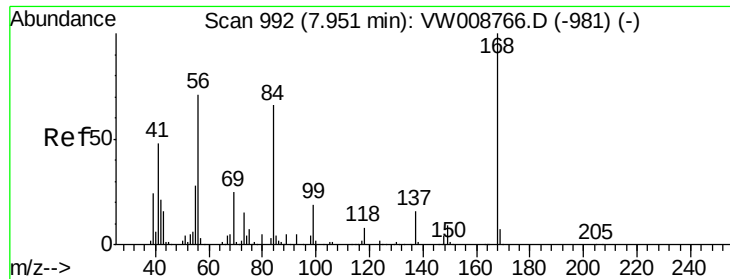
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008813.D

Acq: 25 Feb 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

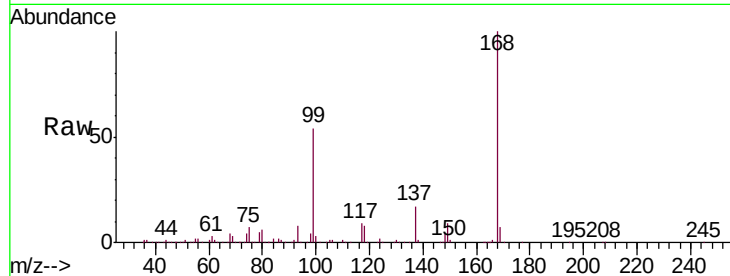
L-1A

Tgt Ion:168 Resp: 372966

Ion Ratio Lower Upper

168 100

99 53.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

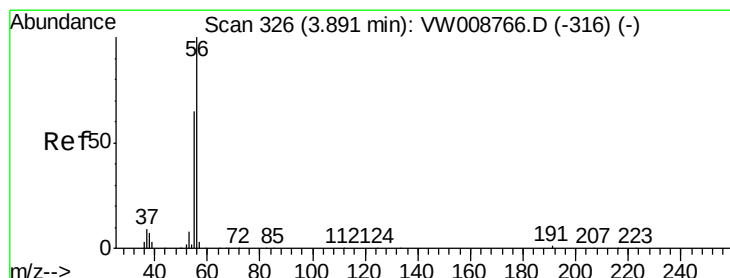
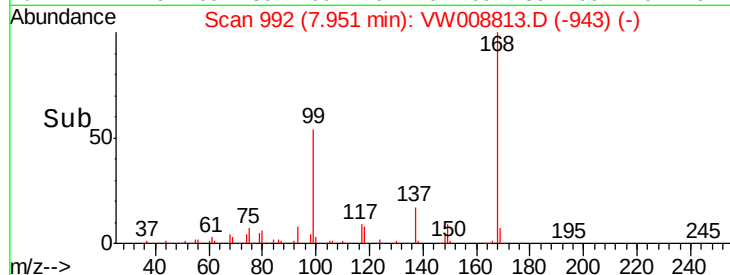
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 19.973 ug/l

RT: 3.92 min Scan# 330

Delta R.T. 0.02 min

Lab File: VW008813.D

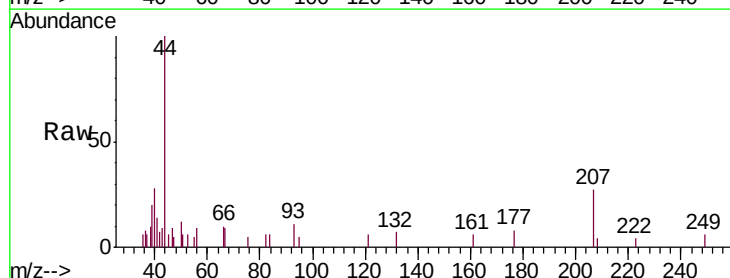
Acq: 25 Feb 2019 18:04

Tgt Ion: 56 Resp: 69

Ion Ratio Lower Upper

56 100

55 201.4 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.92

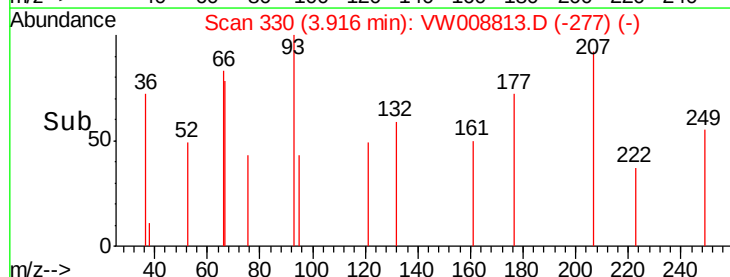
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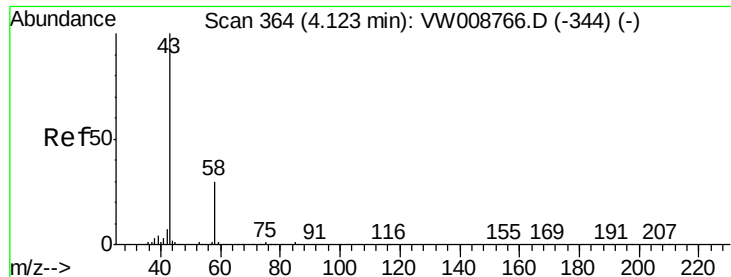
100

50

0

Time-->





#16

Acetone

Concen: 4.880 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008813.D

Acq: 25 Feb 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

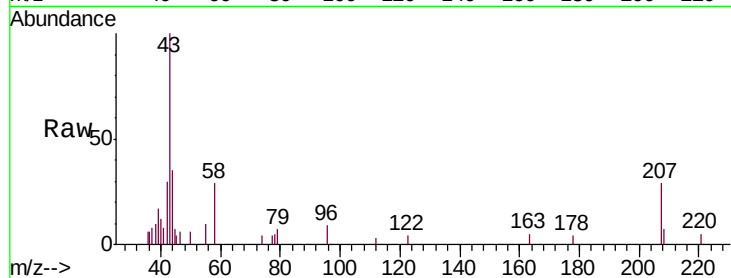
L-1A

Tgt Ion: 43 Resp: 3957

Ion Ratio Lower Upper

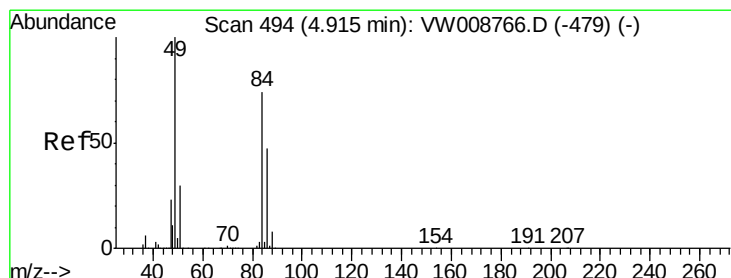
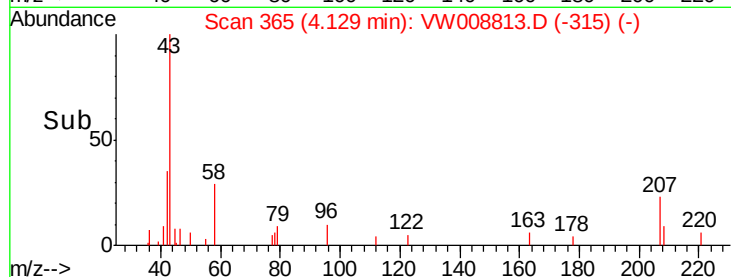
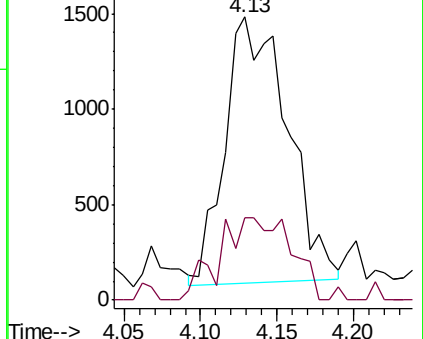
43 100

58 28.3 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW008813.D

Acq: 25 Feb 2019 18:04

Tgt Ion: 84 Resp: 7164

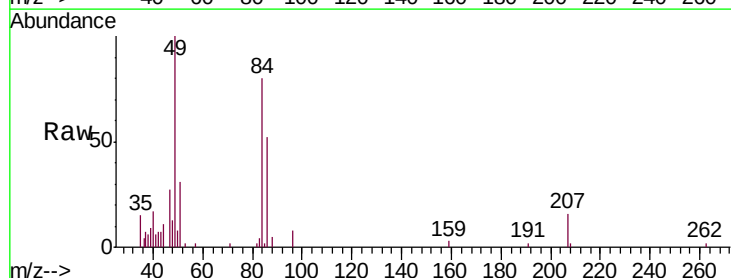
Ion Ratio Lower Upper

84 100

49 124.3 108.2 162.2

51 36.5 32.7 49.1

86 64.8 50.3 75.5

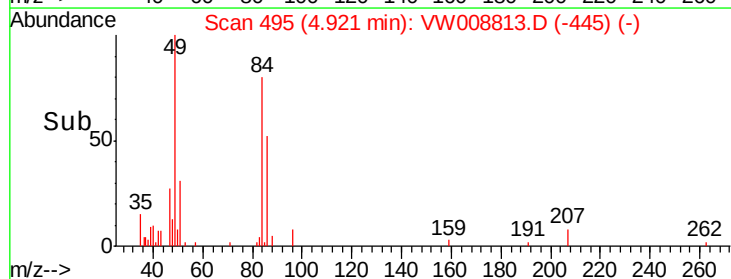
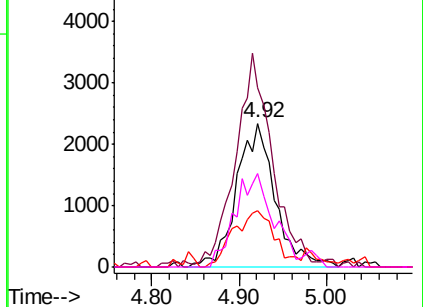


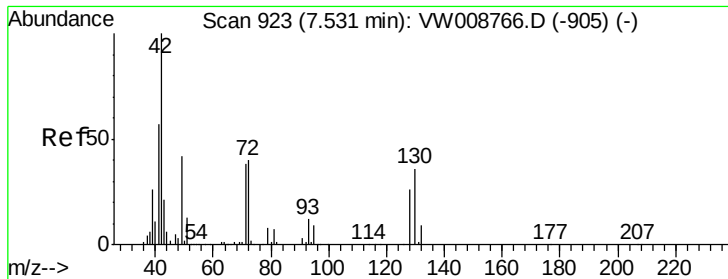
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

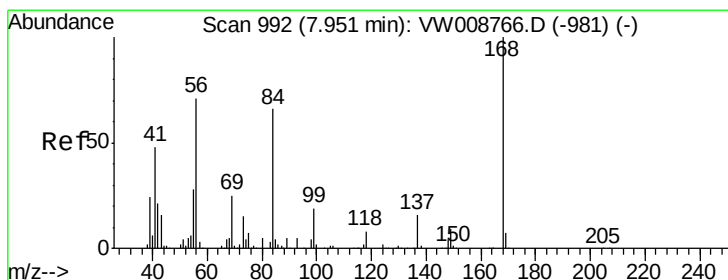
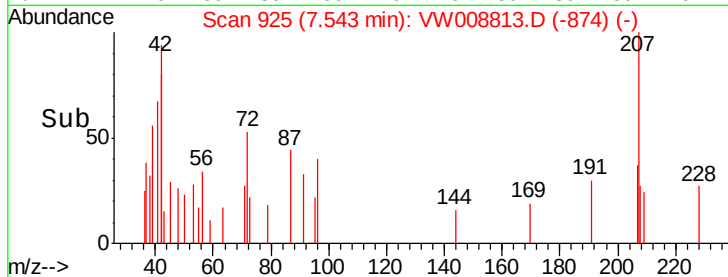
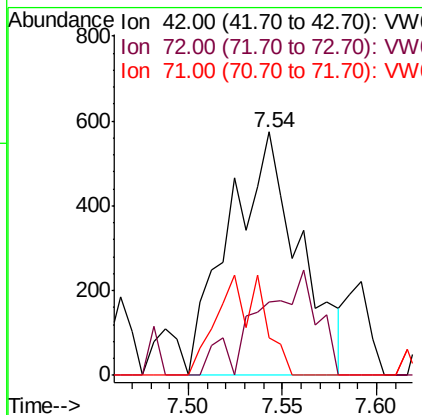
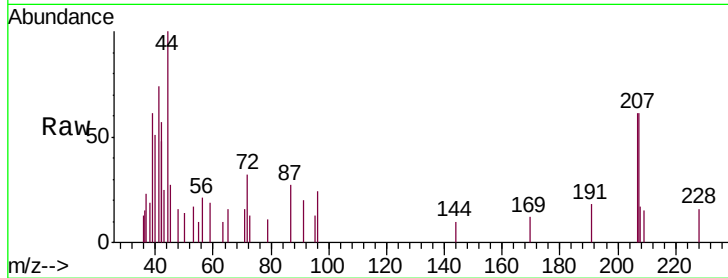




#29
Tetrahydrofuran
Concen: 2.045 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW008813.D
Acq: 25 Feb 2019 18:04

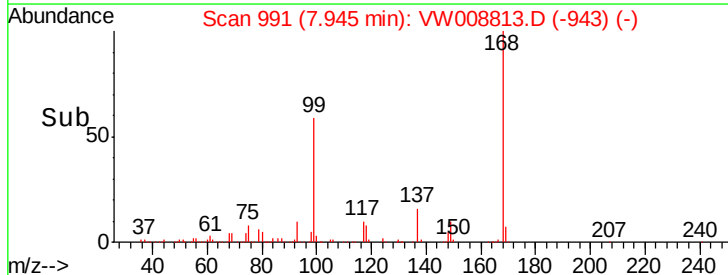
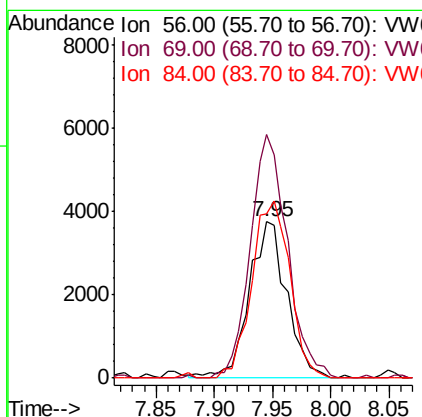
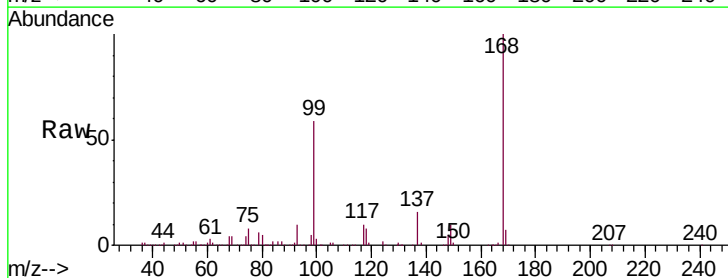
Instrument :
MSVOA_W
ClientSampled :
L-1A

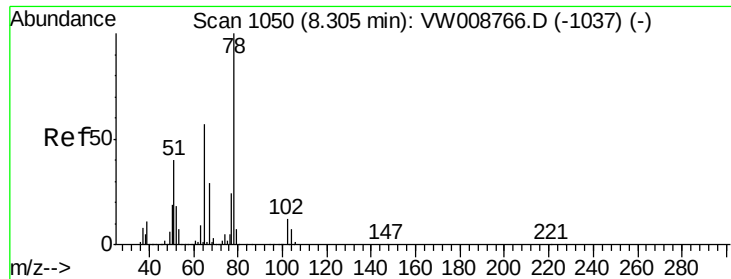
Tgt Ion: 42 Resp: 1477
Ion Ratio Lower Upper
42 100
72 36.6 32.7 49.1
71 0.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008813.D
Acq: 25 Feb 2019 18:04

Tgt Ion: 56 Resp: 8488
Ion Ratio Lower Upper
56 100
69 155.6 28.2 42.4#
84 105.2 74.1 111.1

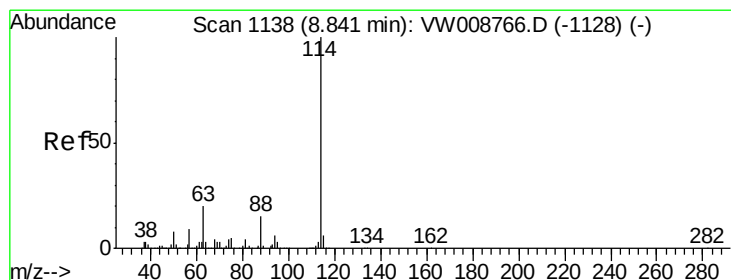
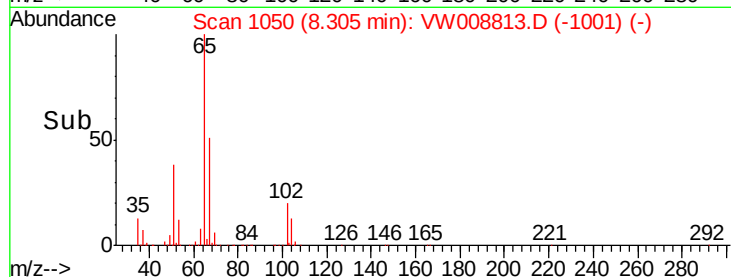
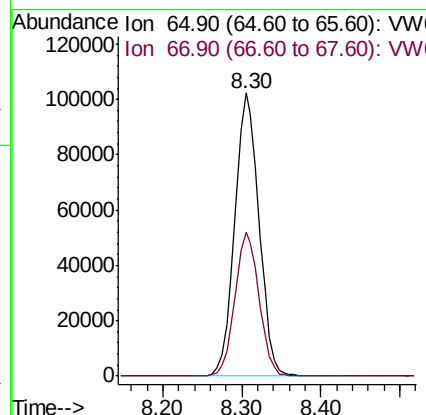
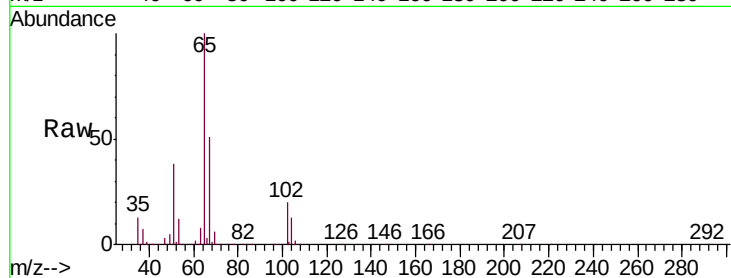




#33
 1,2-Dichloroethane-d4
 Concen: 62.412 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008813.D
 Acq: 25 Feb 2019 18:04

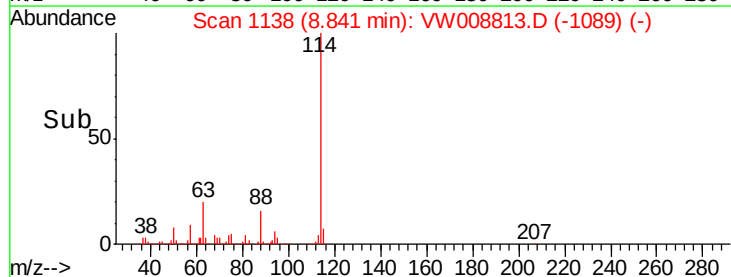
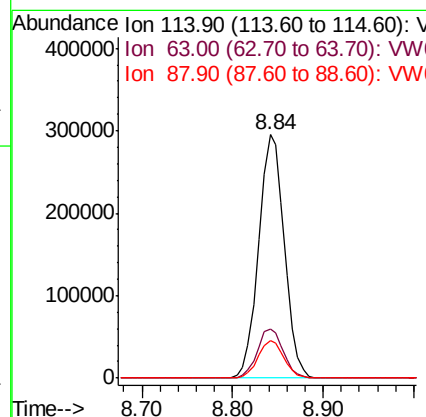
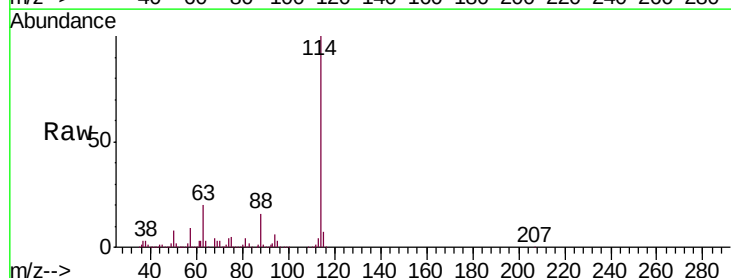
Instrument :
 MSVOA_W
 ClientSampleId :
 L-1A

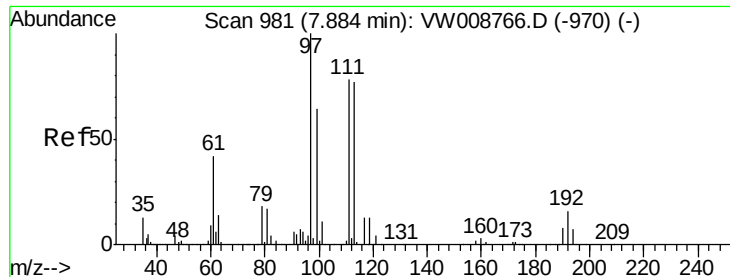
Tgt Ion: 65 Resp: 218321
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008813.D
 Acq: 25 Feb 2019 18:04

Tgt Ion: 114 Resp: 577367
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.103 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008813.D

Acq: 25 Feb 2019 18:04

Instrument :

MSVOA_W

ClientSampled :

L-1A

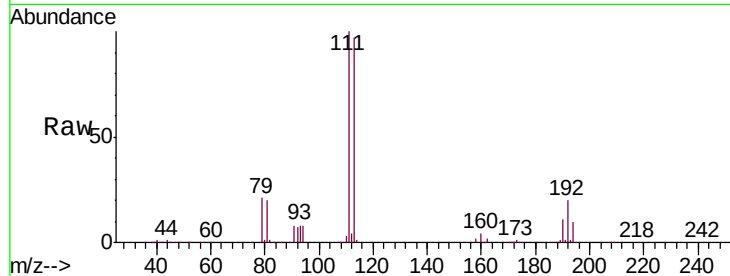
Tgt Ion: 113 Resp: 184085

Ion Ratio Lower Upper

113 100

111 104.4 81.9 122.9

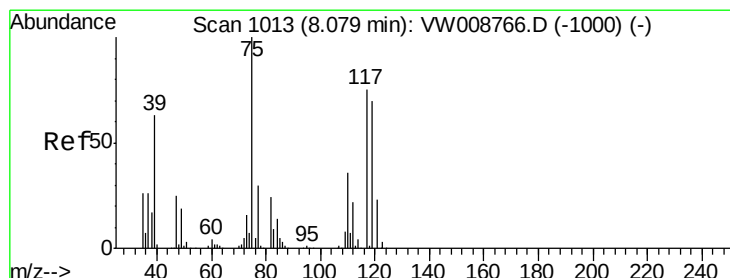
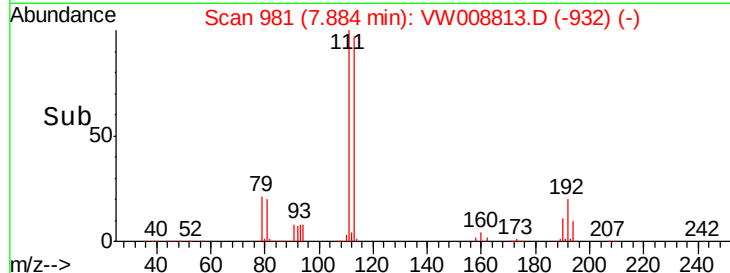
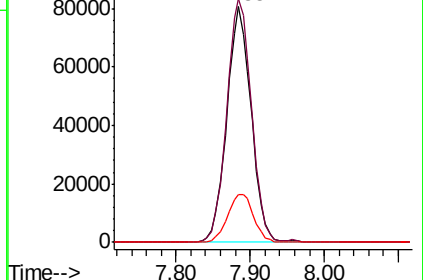
192 21.6 17.1 25.7



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: 4.861 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008813.D

Acq: 25 Feb 2019 18:04

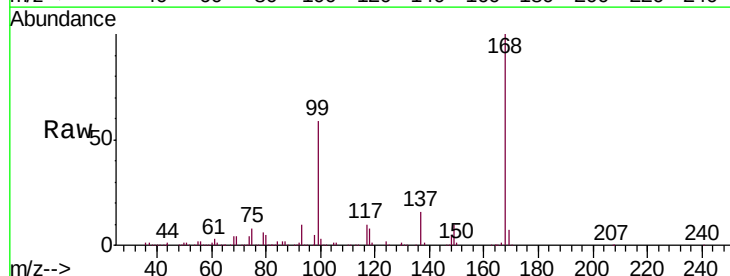
Tgt Ion: 75 Resp: 27322

Ion Ratio Lower Upper

75 100

110 8.4 17.5 52.6#

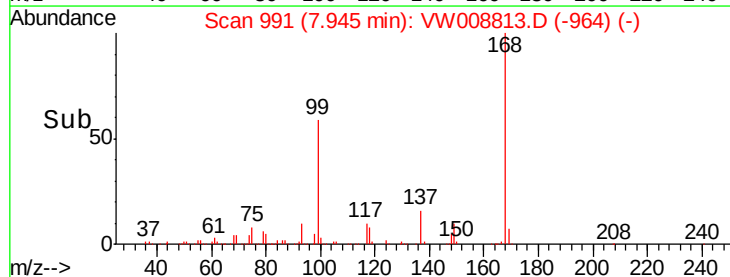
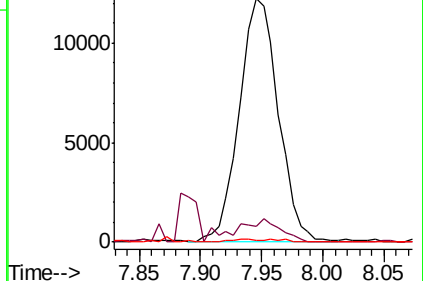
77 0.8 24.5 36.7#

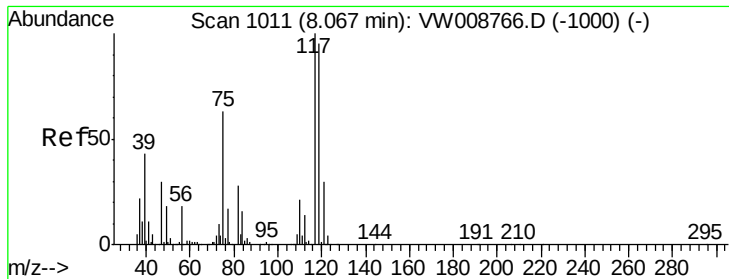


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

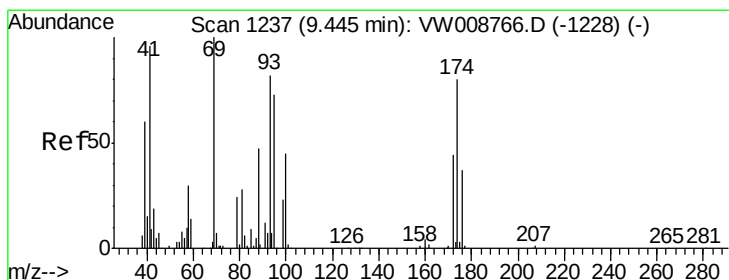
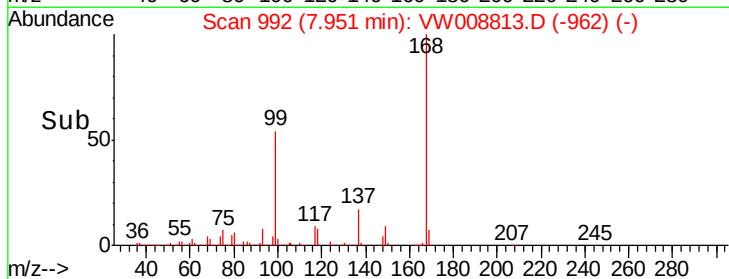
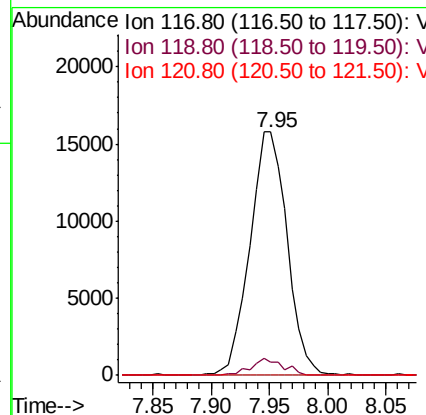
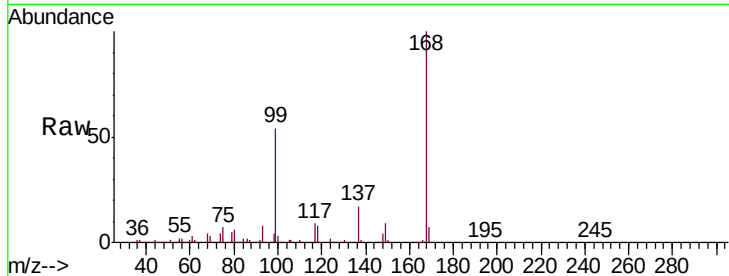




#38
Carbon Tetrachloride
Concen: 5.955 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008813.D
Acq: 25 Feb 2019 18:04

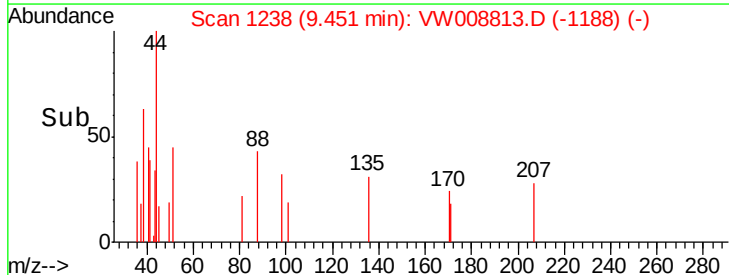
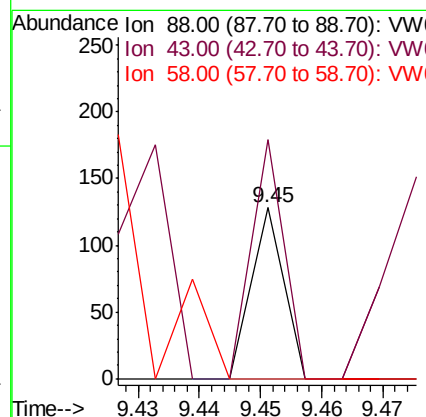
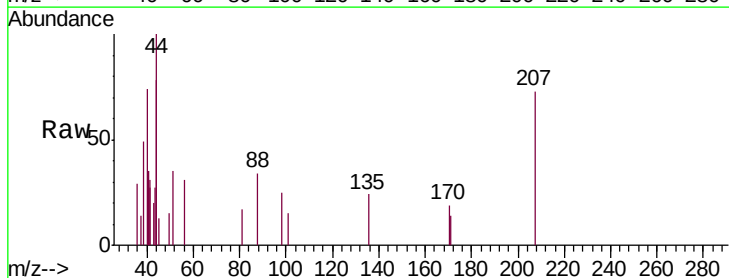
Instrument :
MSVOA_W
ClientSampled :
L-1A

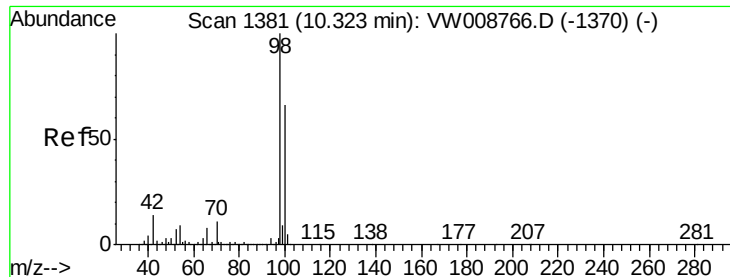
Tgt Ion:117 Resp: 35294
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 1.391 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008813.D
Acq: 25 Feb 2019 18:04

Tgt Ion: 88 Resp: 47
Ion Ratio Lower Upper
88 100
43 138.3 29.0 43.4#
58 0.0 52.0 78.0#





#50

Toluene-d8

Concen: 50.908 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008813.D

Acq: 25 Feb 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

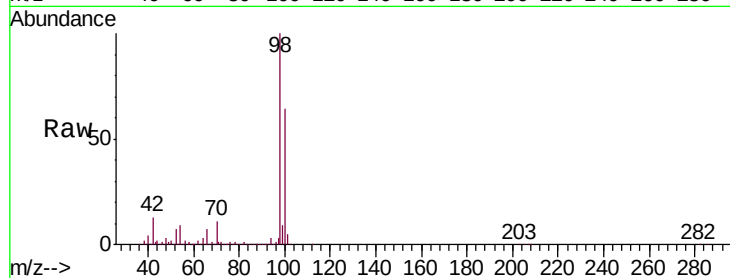
L-1A

Tgt Ion: 98 Resp: 681258

Ion Ratio Lower Upper

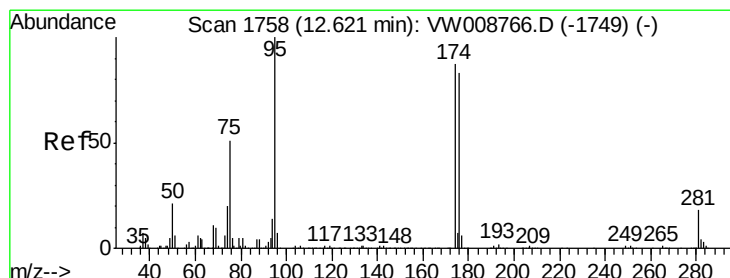
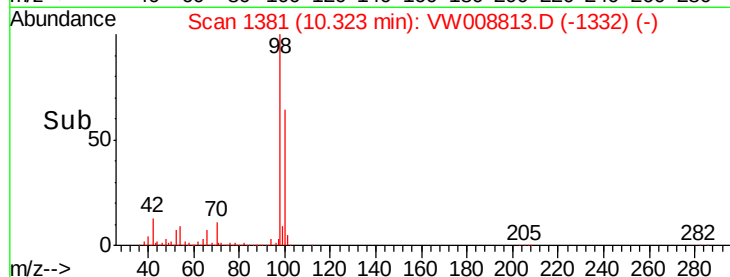
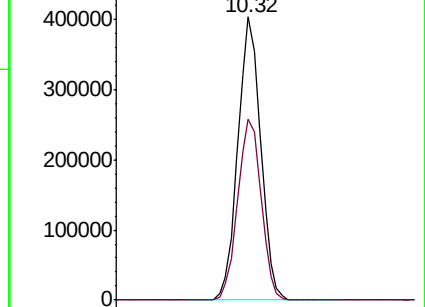
98 100

100 65.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 45.413 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008813.D

Acq: 25 Feb 2019 18:04

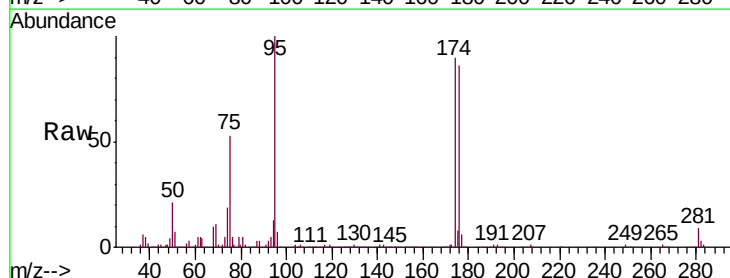
Tgt Ion: 95 Resp: 237947

Ion Ratio Lower Upper

95 100

174 86.9 0.0 169.2

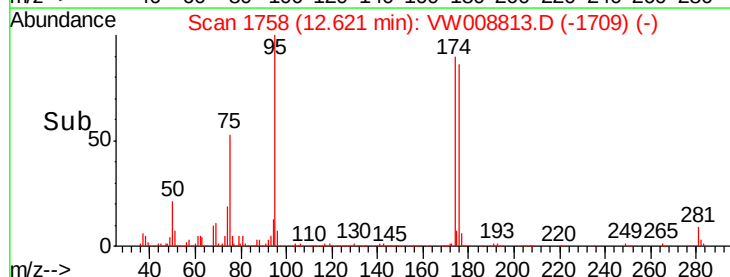
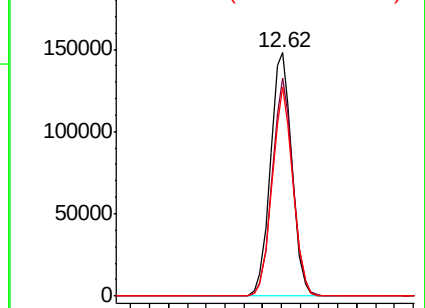
176 83.0 0.0 163.6

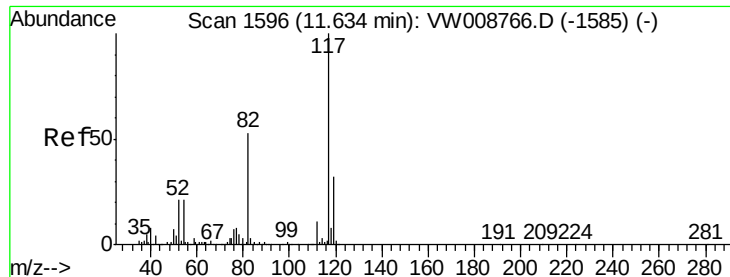


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

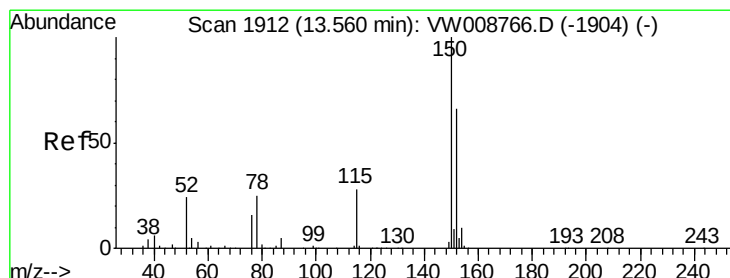
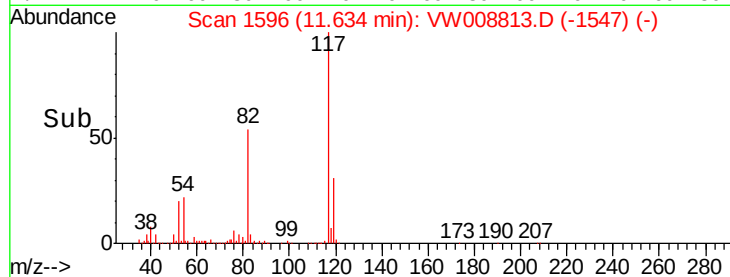
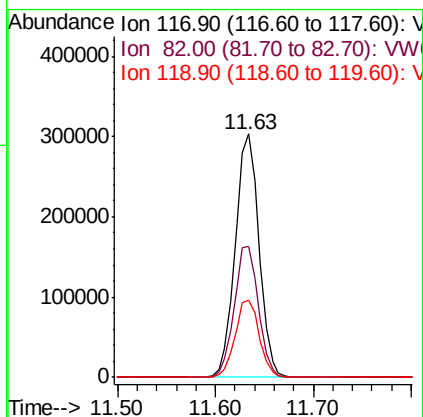
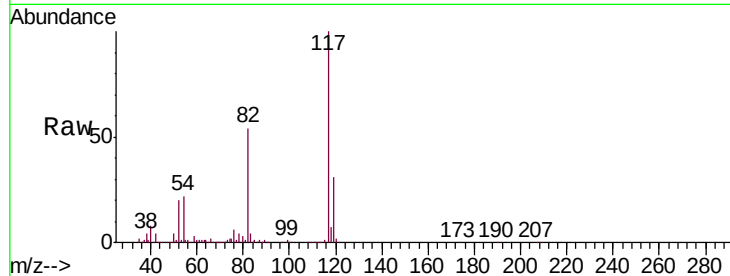




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008813.D
Acq: 25 Feb 2019 18:04

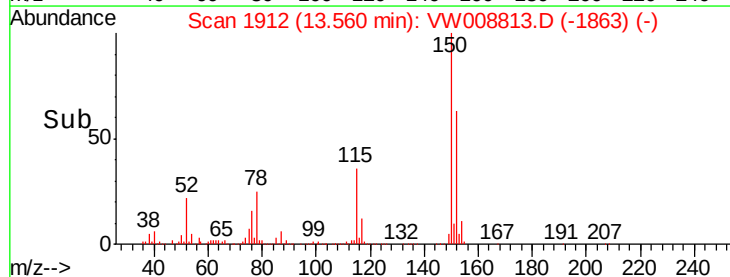
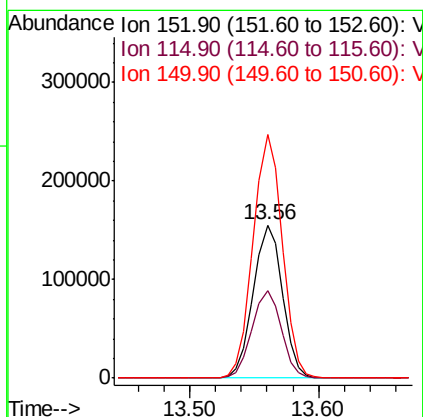
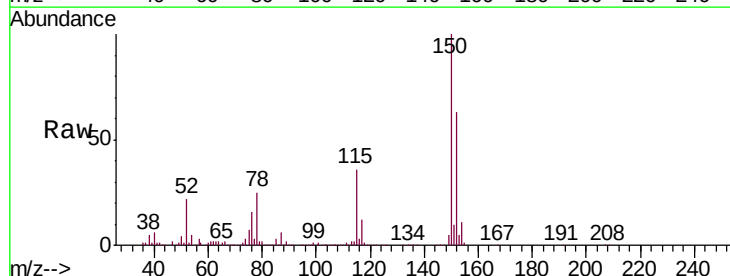
Instrument :
MSVOA_W
ClientSampleId :
L-1A

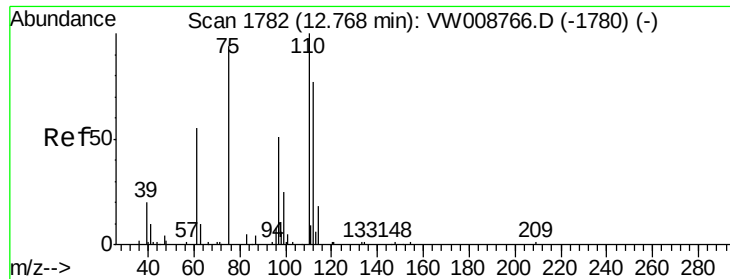
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.2	63.4
119	31.5	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008813.D
Acq: 25 Feb 2019 18:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.6	85.8
150	158.5	0.0	348.0





#76

1,2,3-Trichloropropane

Concen: 61.429 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008813.D

Acq: 25 Feb 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

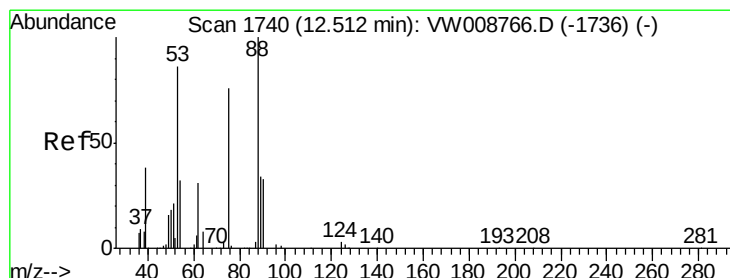
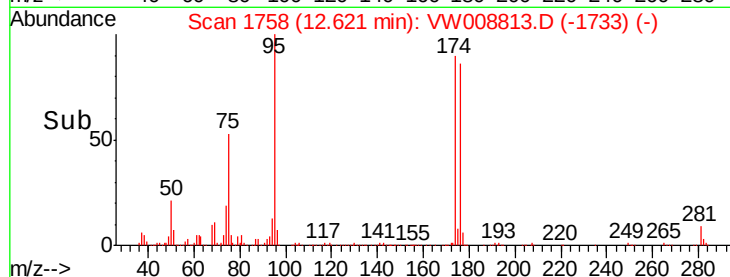
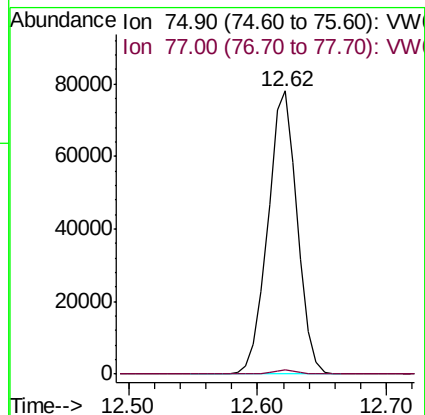
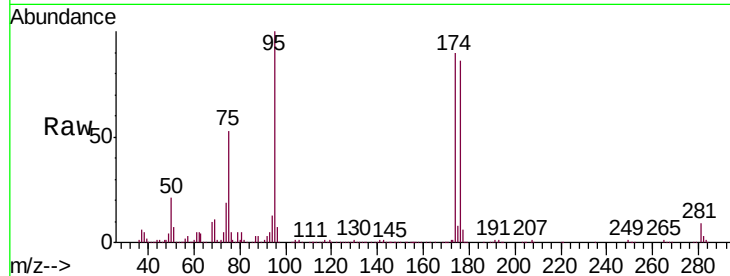
L-1A

Tgt Ion: 75 Resp: 123672

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.338 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008813.D

Acq: 25 Feb 2019 18:04

Tgt Ion: 75 Resp: 123672

Ion Ratio Lower Upper

75 100

53 0.3 88.2 132.2#

89 0.1 39.5 59.3#

