

Data File : VW008946.D
Acq On : 02 Mar 2019 03:46
Operator : SY/VA
Sample : K1675-09RE
Misc : 5.20G/5ML/MSVOA_W/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
Z-3-1-ARE

Quant Time: Mar 02 05:12:47 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	307187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	424616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	191207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	175055	60.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.52%	
35) Dibromofluoromethane	7.88	113	146153	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
50) Toluene-d8	10.32	98	572158	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.62	95	192157	44.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.10%	

Target Compounds

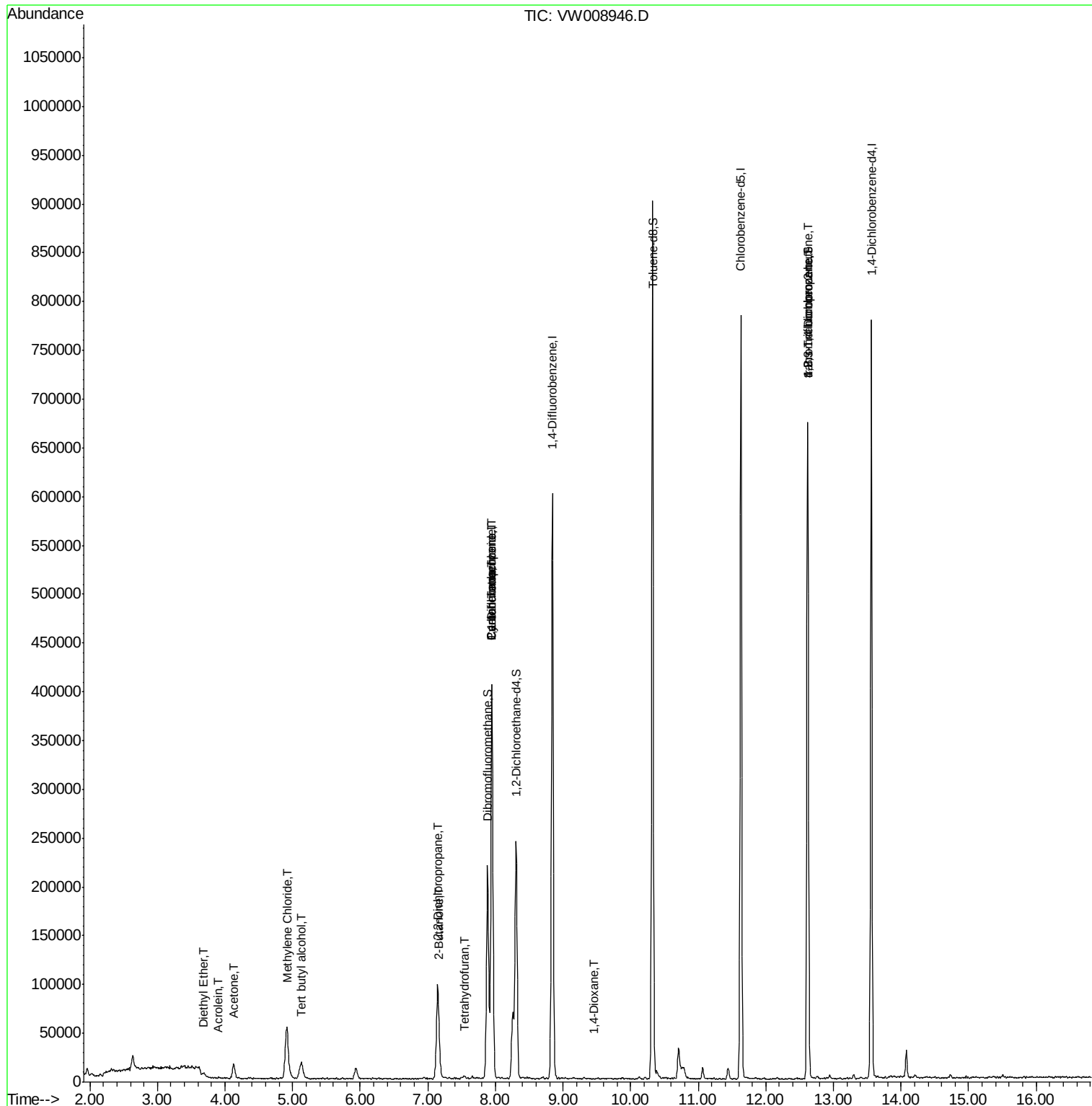
						Qvalue
8) Diethyl Ether	3.68	74	1996	1.257	ug/l	87
11) Tert butyl alcohol	5.13	59	15064	58.729	ug/l #	74
13) Acrolein	3.90	56	69	20.015	ug/l #	1
16) Acetone	4.13	43	26705	39.988	ug/l	98
20) Methylene Chloride	4.92	84	41695	8.426	ug/l	95
25) 2-Butanone	7.17	43	7159	7.668	ug/l #	87
26) 2,2-Dichloropropane	7.15	77	6580	1.351	ug/l #	54
29) Tetrahydrofuran	7.55	42	1111	1.867	ug/l #	51
31) Cyclohexane	7.95	56	6881	1.267	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	23897	5.108	ug/l #	52
38) Carbon Tetrachloride	7.95	117	30034	6.087	ug/l #	18
49) 1,4-Dioxane	9.46	88	50	1.778	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	99659	63.129	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	99659	153.470	ug/l #	6

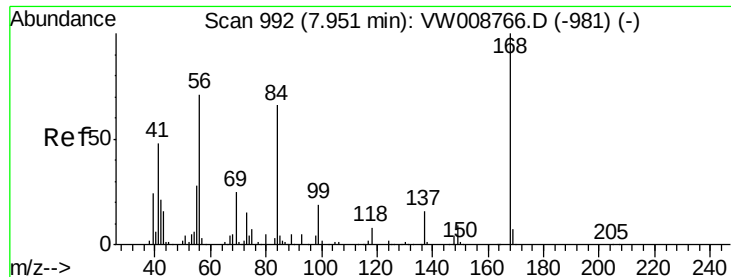
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008946.D

Acq: 02 Mar 2019 03:46

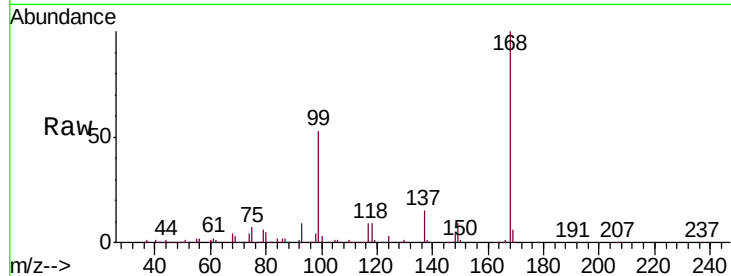
Instrument :
MSVOA_W
ClientSampleId :
Z-3-1-ARE

Tgt Ion:168 Resp: 307187

Ion Ratio Lower Upper

168 100

99 52.8 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

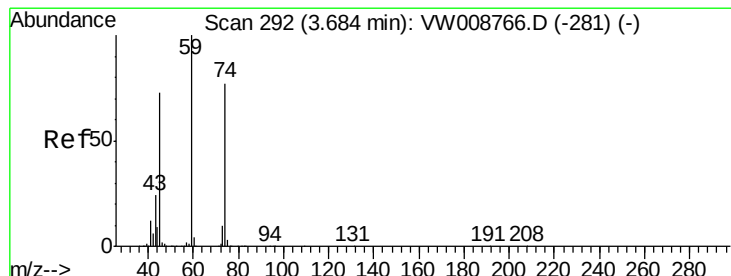
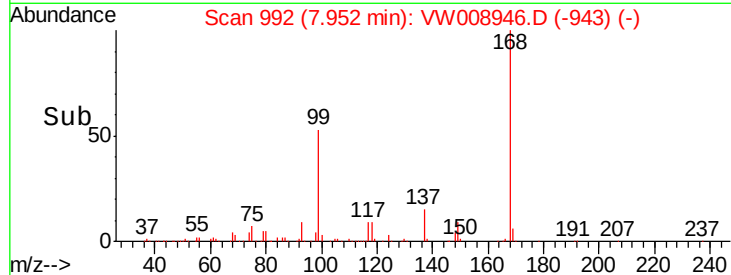
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.257 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW008946.D

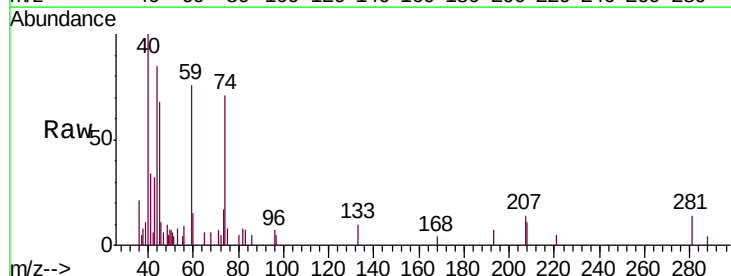
Acq: 02 Mar 2019 03:46

Tgt Ion: 74 Resp: 1996

Ion Ratio Lower Upper

74 100

45 113.1 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

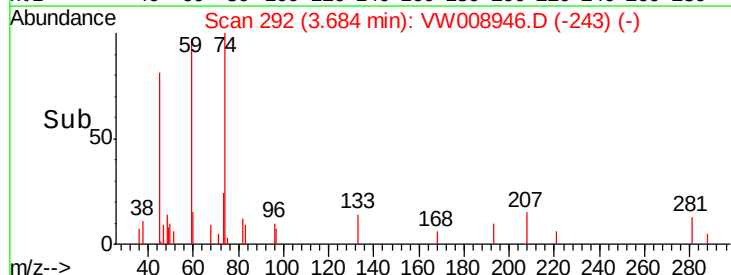
600

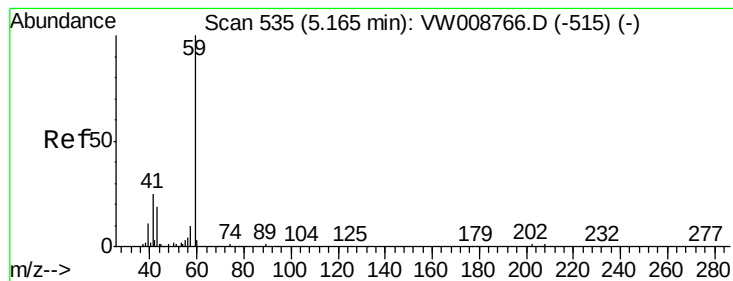
400

200

0

Time--> 3.60 3.65 3.70 3.75





#11

Tert butyl alcohol

Concen: 58.729 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW008946.D

Acq: 02 Mar 2019 03:46

Instrument :

MSVOA_W

ClientSampled :

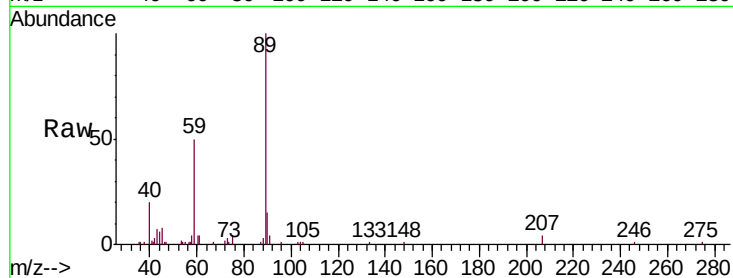
Z-3-1-ARE

Tgt Ion: 59 Resp: 15064

Ion Ratio Lower Upper

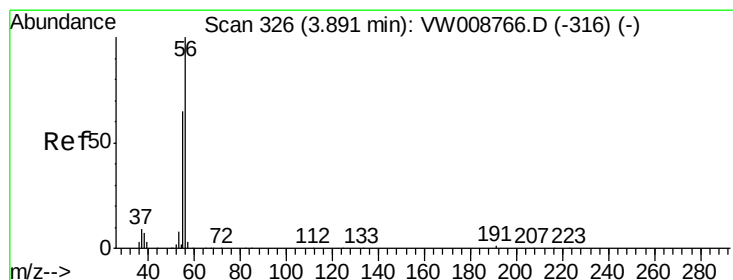
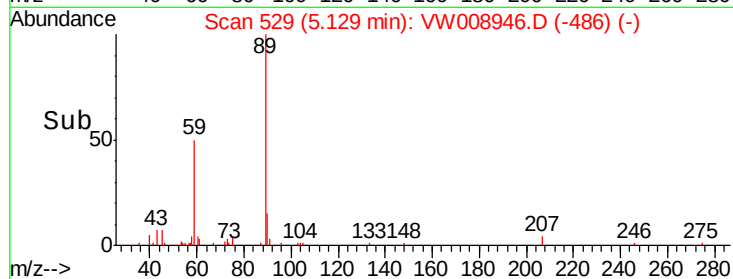
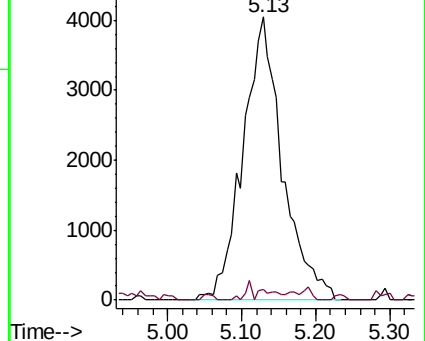
59 100

57 1.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#13

Acrolein

Concen: 20.015 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW008946.D

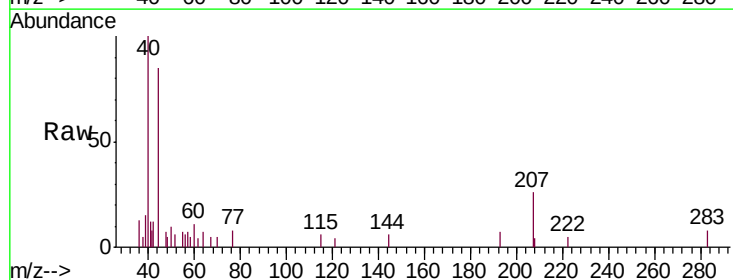
Acq: 02 Mar 2019 03:46

Tgt Ion: 56 Resp: 69

Ion Ratio Lower Upper

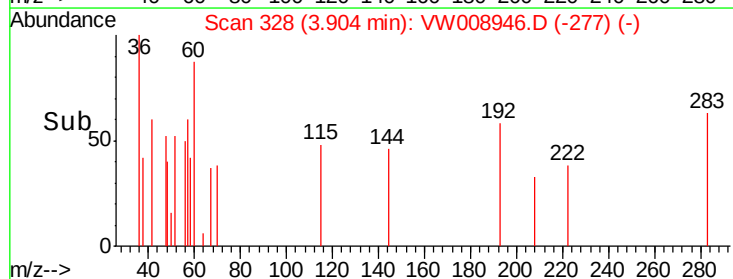
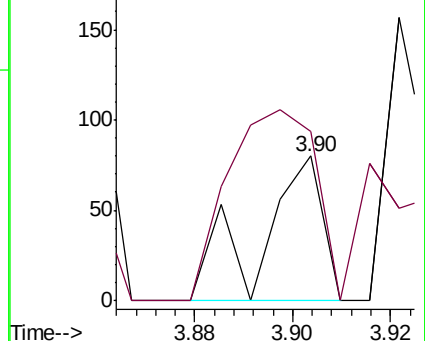
56 100

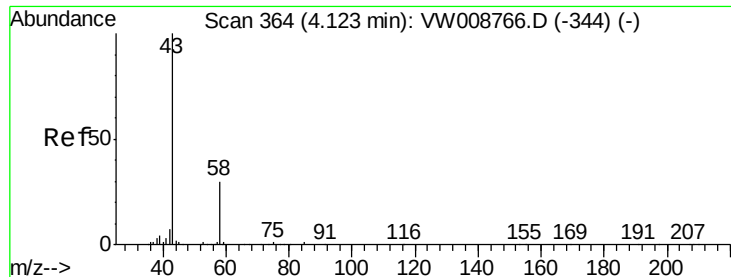
55 191.3 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

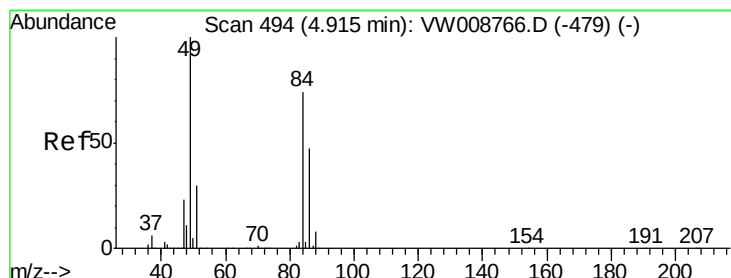
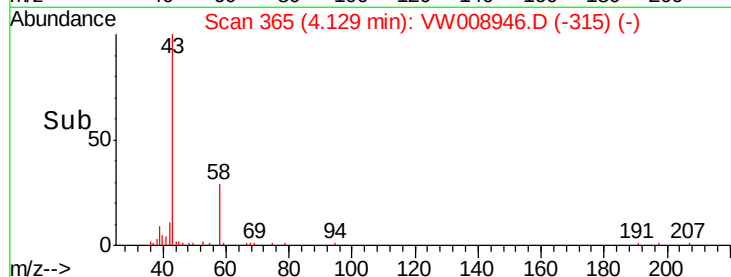
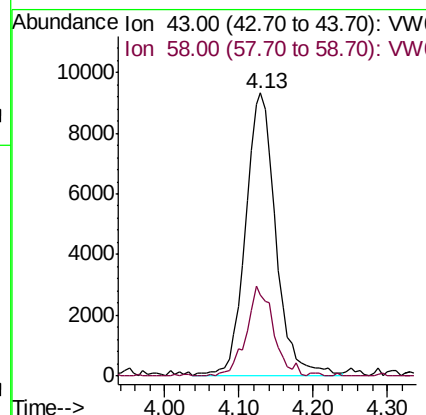
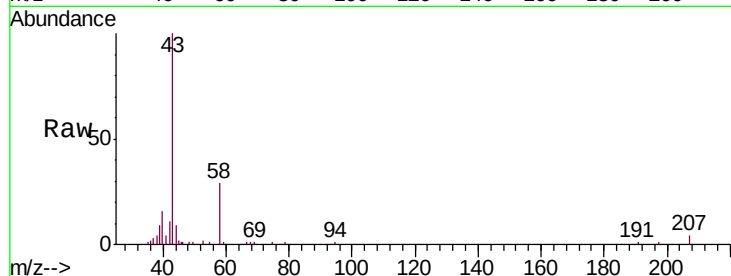




#16
Acetone
Concen: 39.988 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008946.D
Acq: 02 Mar 2019 03:46

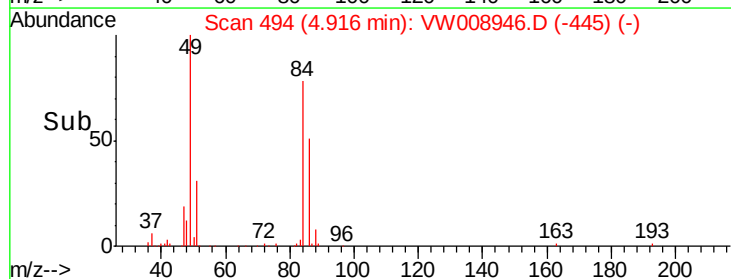
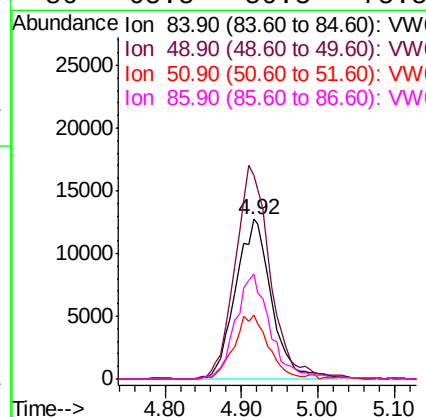
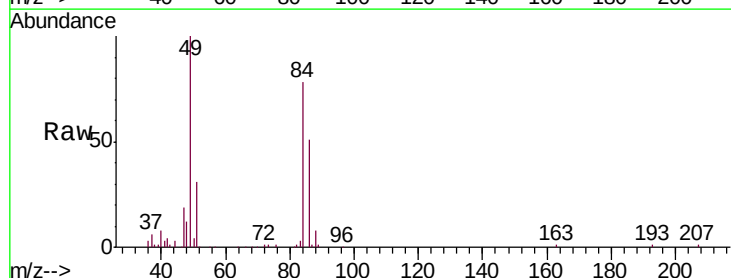
Instrument :
MSVOA_W
ClientSampleId :
Z-3-1-ARE

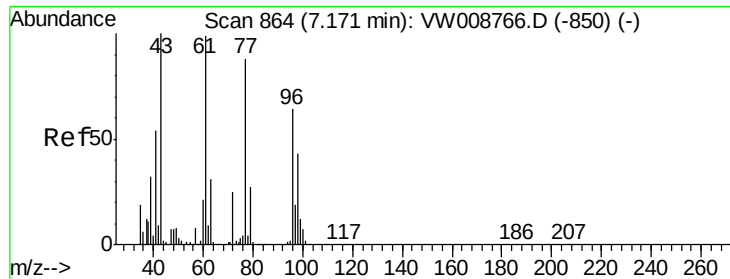
Tgt Ion: 43 Resp: 26705
Ion Ratio Lower Upper
43 100
58 28.5 23.8 35.6



#20
Methylene Chloride
Concen: 8.426 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008946.D
Acq: 02 Mar 2019 03:46

Tgt Ion: 84 Resp: 41695
Ion Ratio Lower Upper
84 100
49 127.9 108.2 162.2
51 39.9 32.7 49.1
86 65.5 50.3 75.5

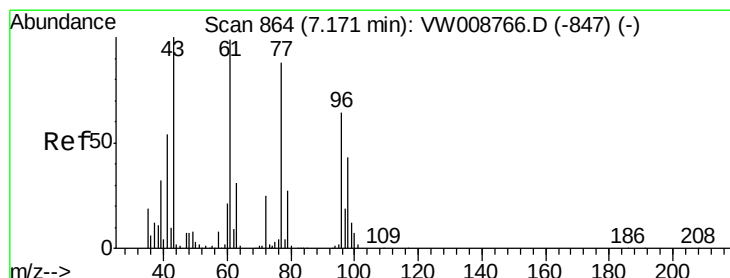
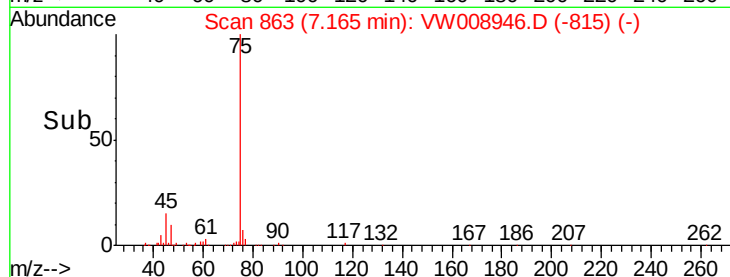
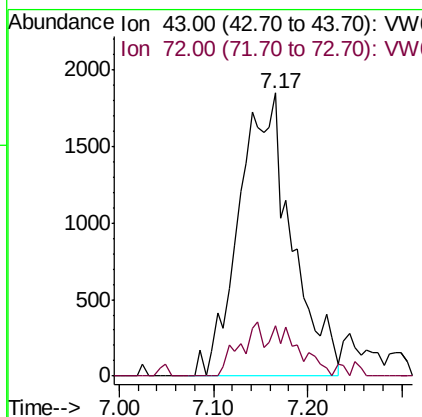
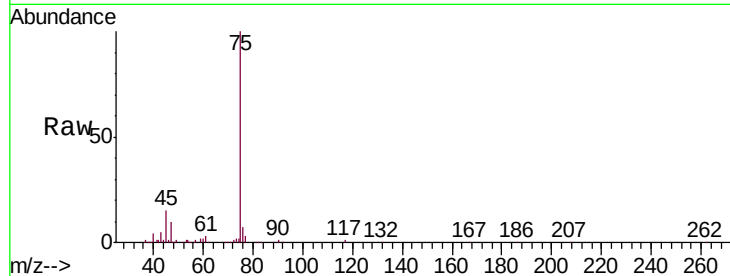




#25
 2-Butanone
 Concen: 7.668 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW008946.D
 Acq: 02 Mar 2019 03:46

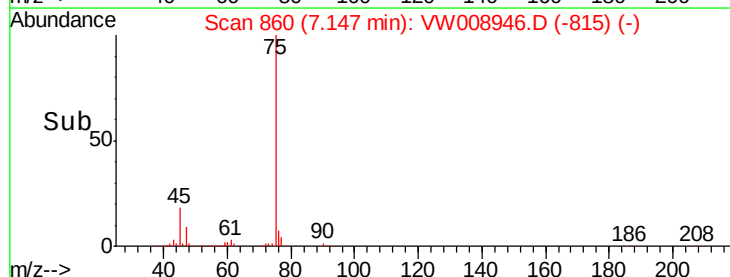
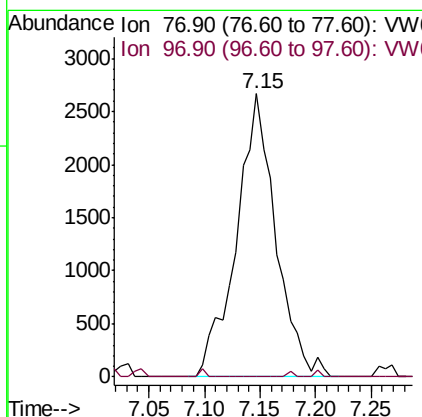
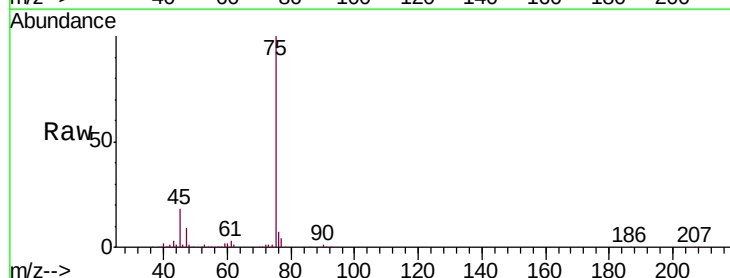
Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-1-ARE

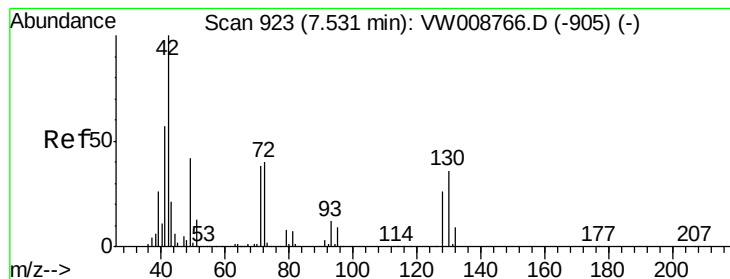
Tgt Ion: 43 Resp: 7159
 Ion Ratio Lower Upper
 43 100
 72 17.9 19.7 29.5#



#26
 2,2-Dichloropropane
 Concen: 1.351 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW008946.D
 Acq: 02 Mar 2019 03:46

Tgt Ion: 77 Resp: 6580
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.0 33.0#





#29

Tetrahydrofuran

Concen: 1.867 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW008946.D

Acq: 02 Mar 2019 03:46

Instrument :

MSVOA_W

ClientSampleId :

Z-3-1-ARE

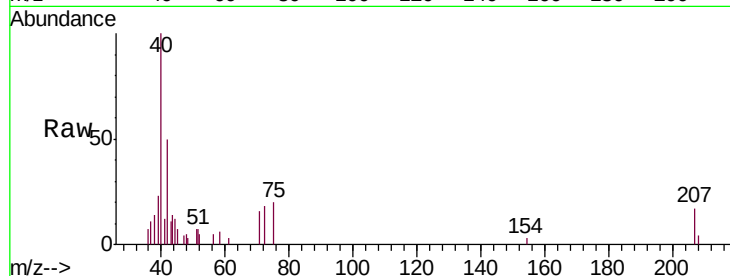
Tgt Ion: 42 Resp: 1111

Ion Ratio Lower Upper

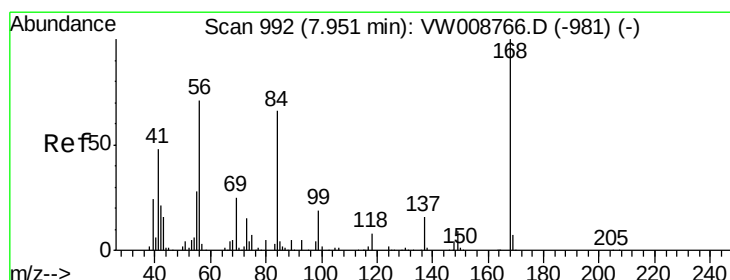
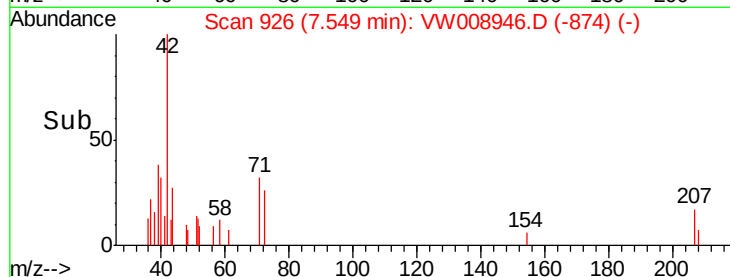
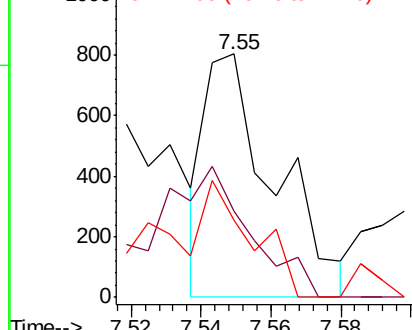
42 100

72 70.6 32.7 49.1#

71 70.1 31.3 46.9#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.267 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008946.D

Acq: 02 Mar 2019 03:46

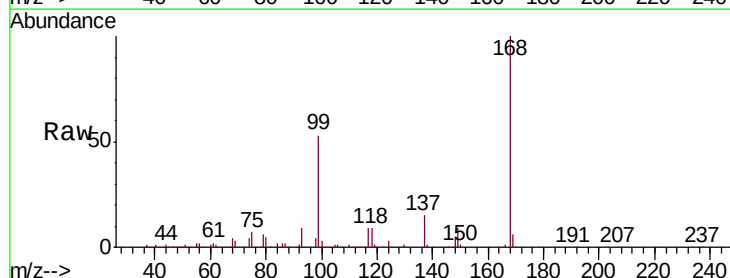
Tgt Ion: 56 Resp: 6881

Ion Ratio Lower Upper

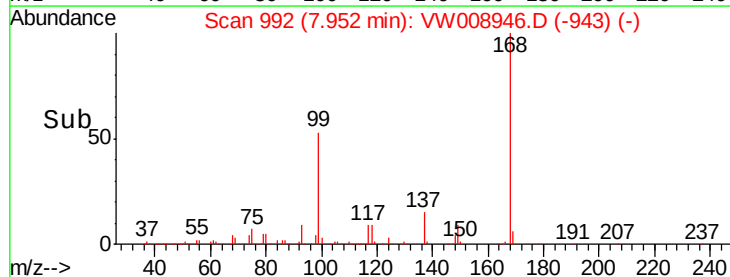
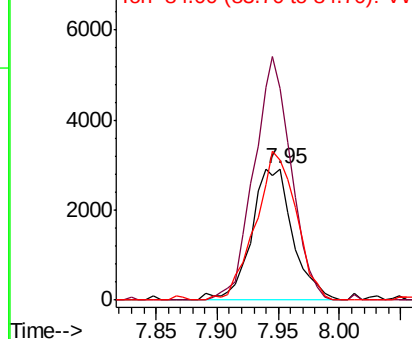
56 100

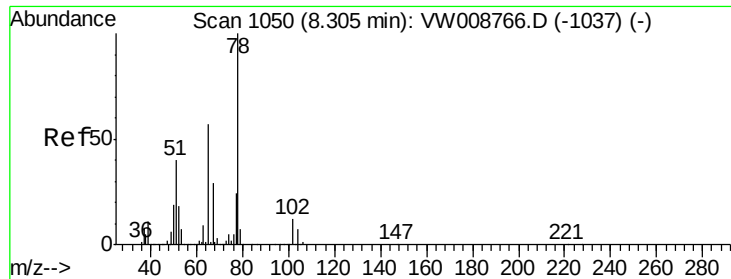
69 161.2 28.2 42.4#

84 107.0 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

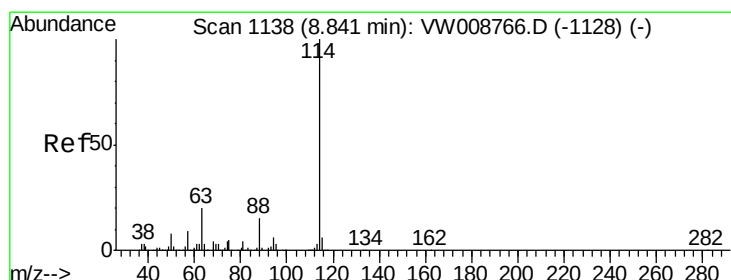
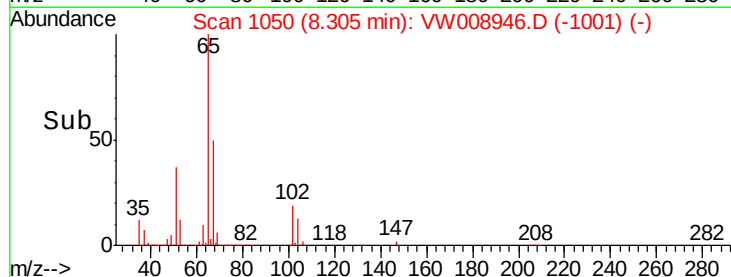
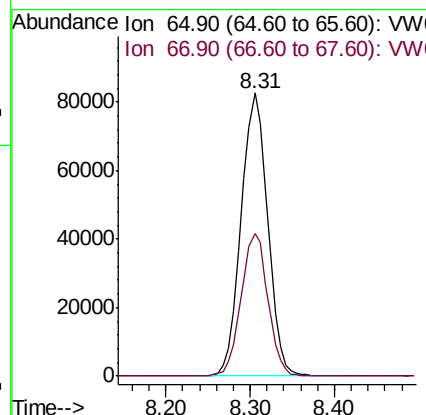
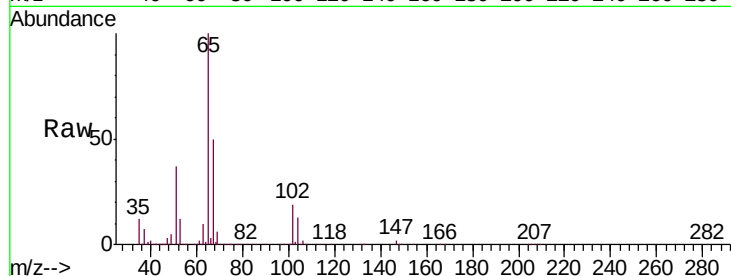




#33
 1,2-Dichloroethane-d4
 Concen: 60.759 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008946.D
 Acq: 02 Mar 2019 03:46

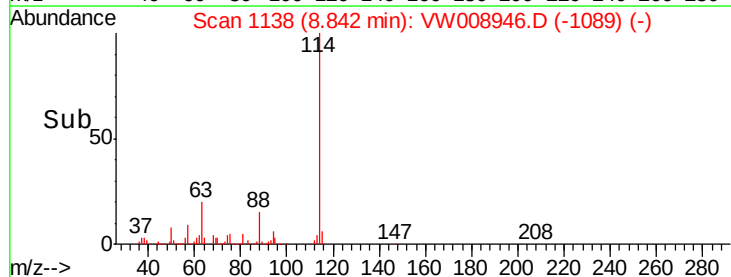
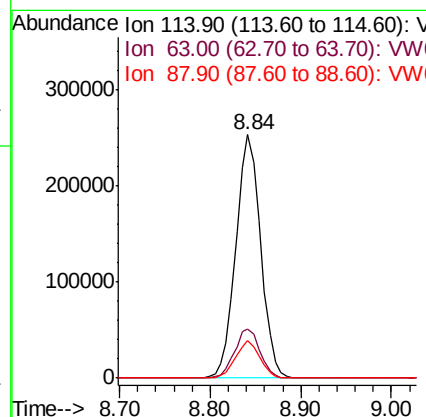
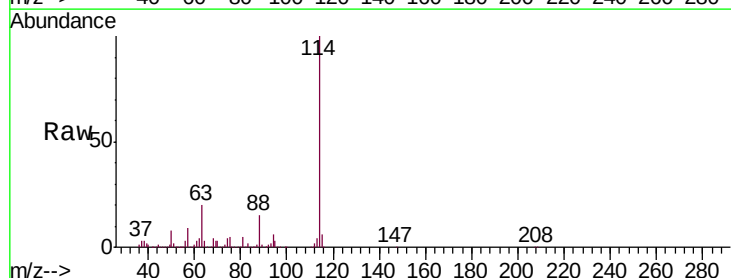
Instrument :
 MSVOA_W
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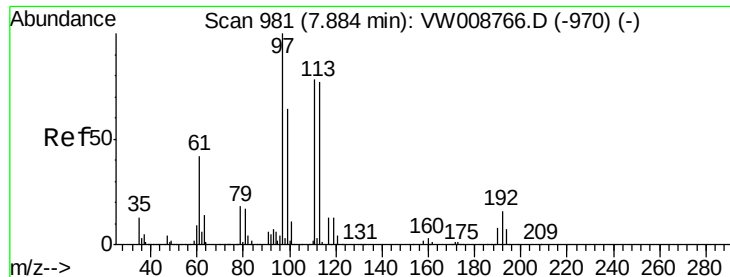
Tgt Ion: 65 Resp: 175055
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008946.D
 Acq: 02 Mar 2019 03:46

Tgt Ion: 114 Resp: 480642
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.645 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008946.D

Acq: 02 Mar 2019 03:46

Instrument :

MSVOA_W

ClientSampleId :

Z-3-1-ARE

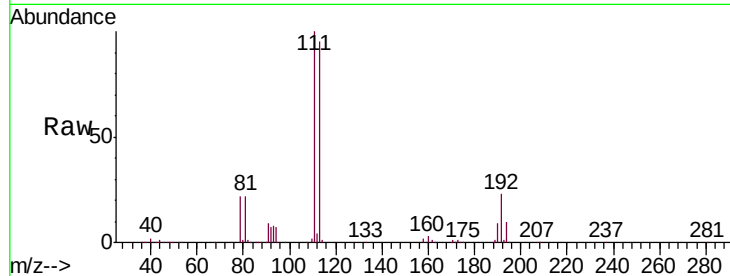
Tgt Ion:113 Resp: 146153

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

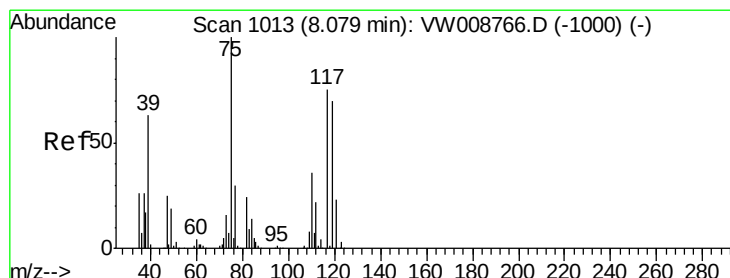
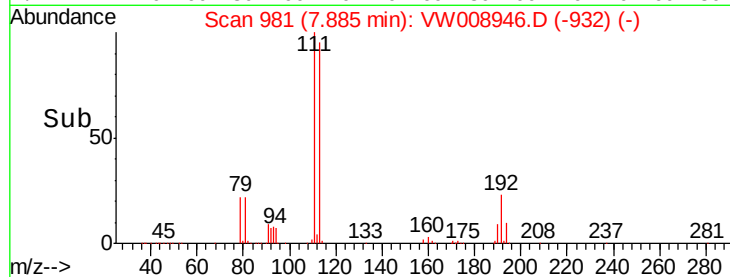
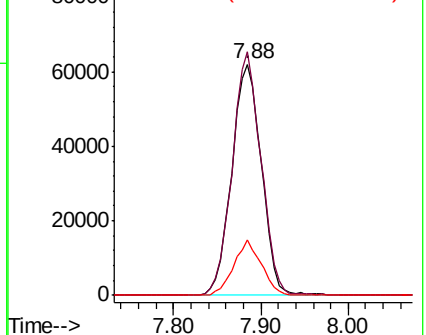
192 22.5 17.1 25.7



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: 5.108 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008946.D

Acq: 02 Mar 2019 03:46

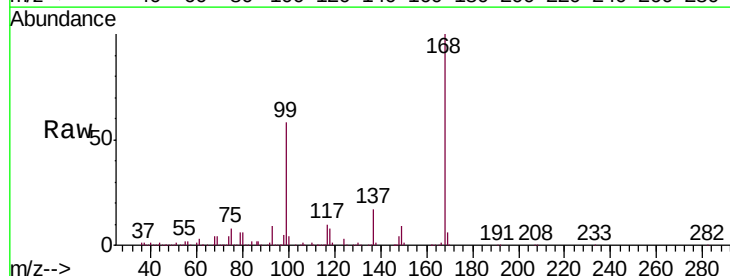
Tgt Ion: 75 Resp: 23897

Ion Ratio Lower Upper

75 100

110 11.1 17.5 52.6#

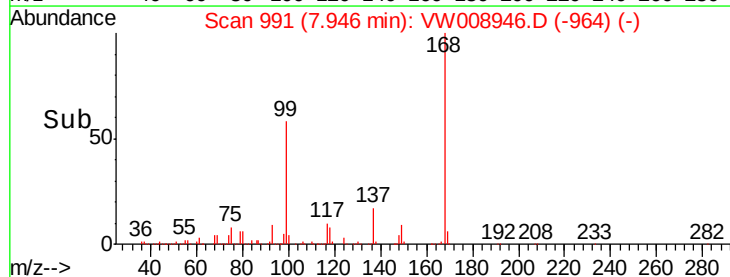
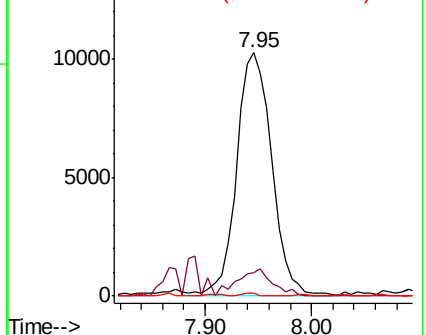
77 0.5 24.5 36.7#

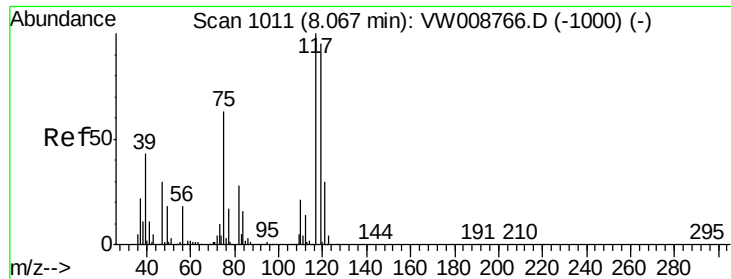


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.087 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008946.D

Acq: 02 Mar 2019 03:46

Instrument :

MSVOA_W

ClientSampleId :

Z-3-1-ARE

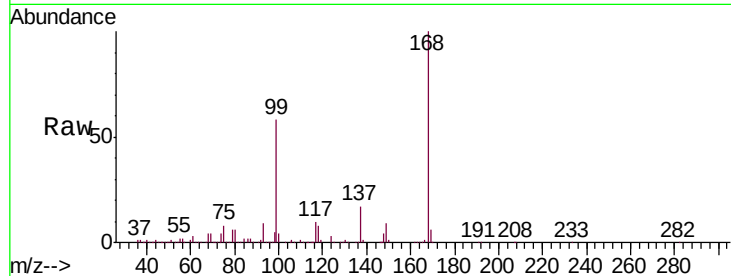
Tgt Ion:117 Resp: 30034

Ion Ratio Lower Upper

117 100

119 6.9 76.1 114.1#

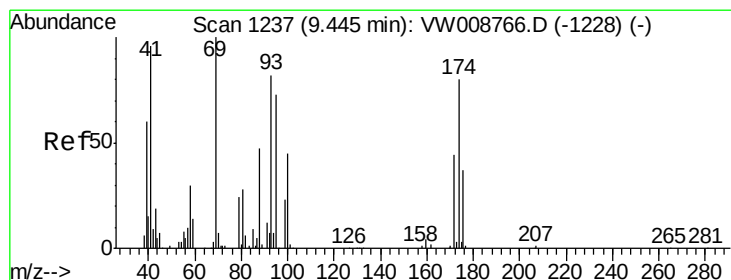
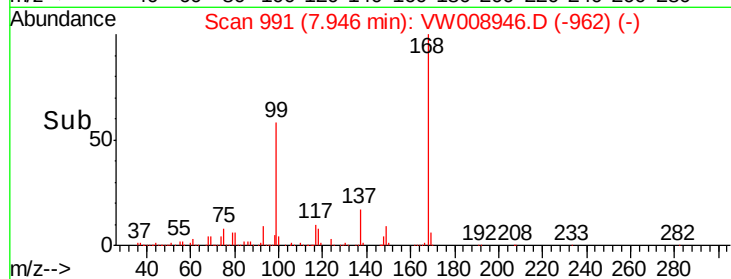
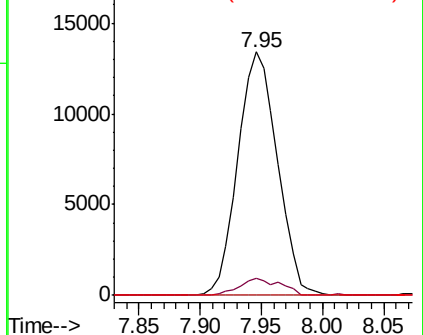
121 0.0 24.0 36.0#



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: 1.778 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW008946.D

Acq: 02 Mar 2019 03:46

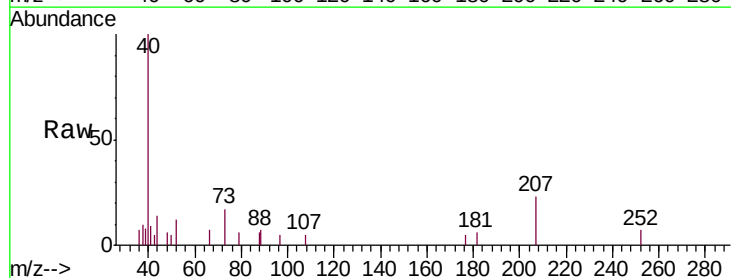
Tgt Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

43 424.0 29.0 43.4#

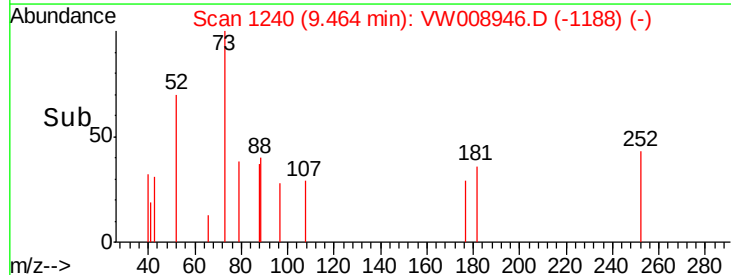
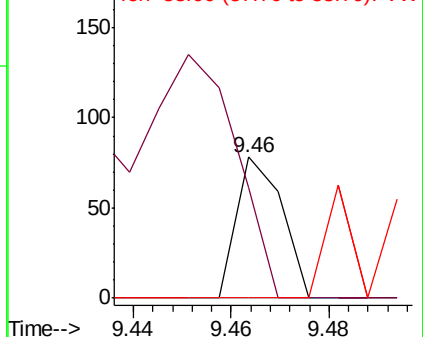
58 0.0 52.0 78.0#

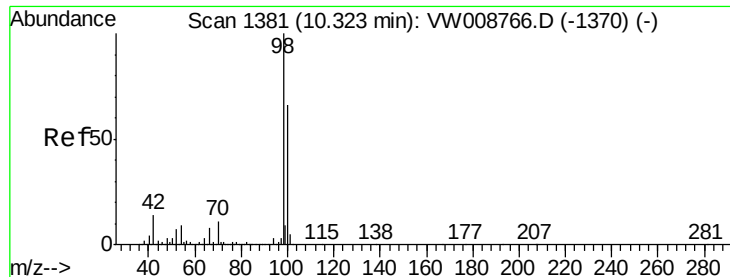


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.360 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008946.D

Acq: 02 Mar 2019 03:46

Instrument :

MSVOA_W

ClientSampleId :

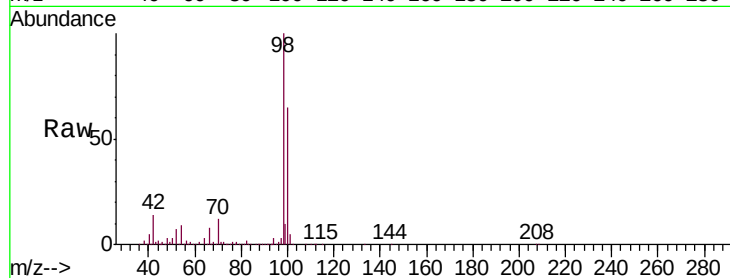
Z-3-1-ARE

Tgt Ion: 98 Resp: 572158

Ion Ratio Lower Upper

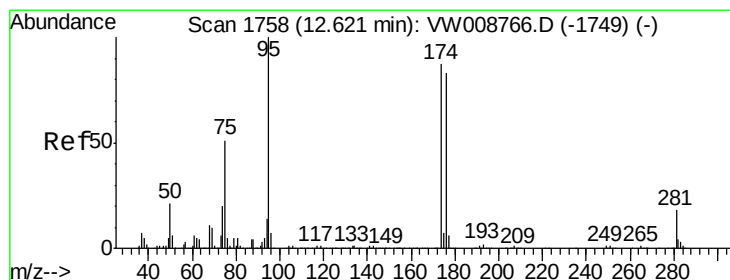
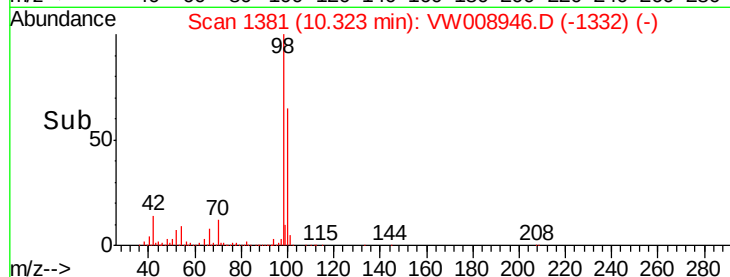
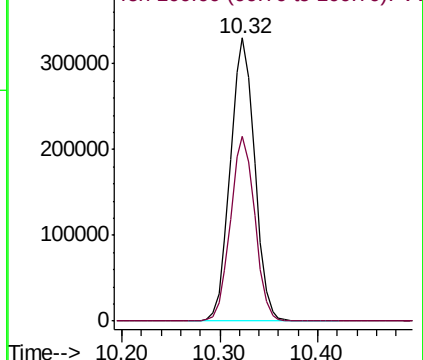
98 100

100 64.9 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: 44.054 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008946.D

Acq: 02 Mar 2019 03:46

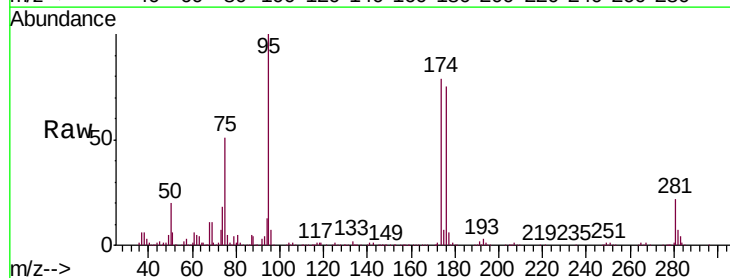
Tgt Ion: 95 Resp: 192157

Ion Ratio Lower Upper

95 100

174 85.9 0.0 169.2

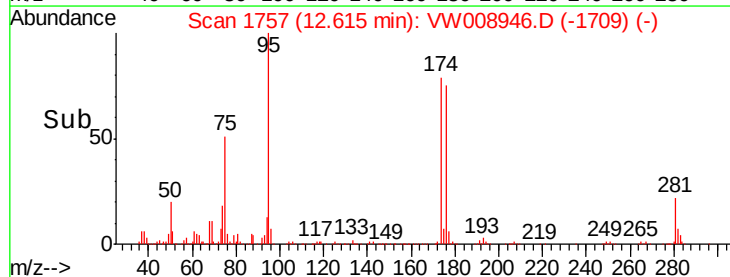
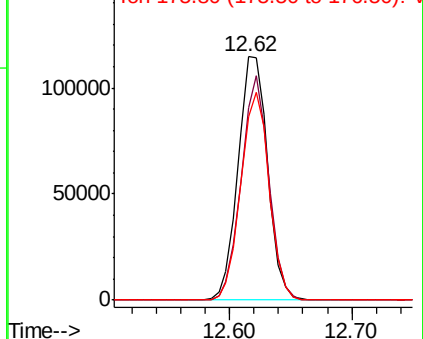
176 82.1 0.0 163.6

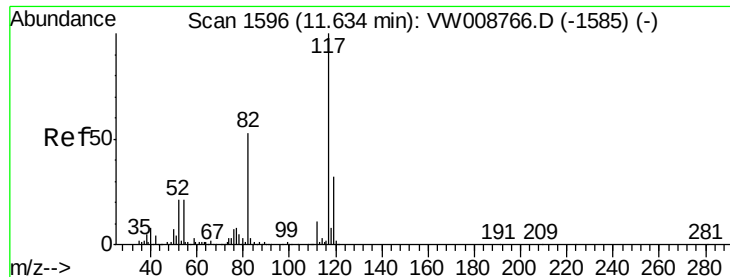


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

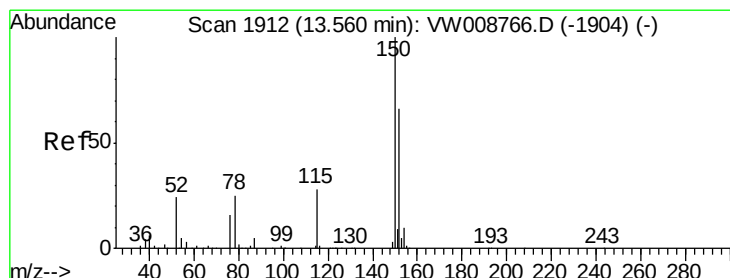
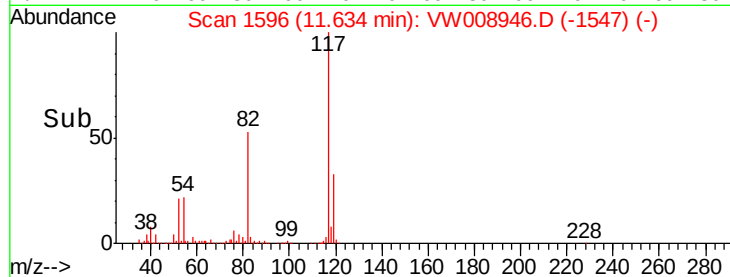
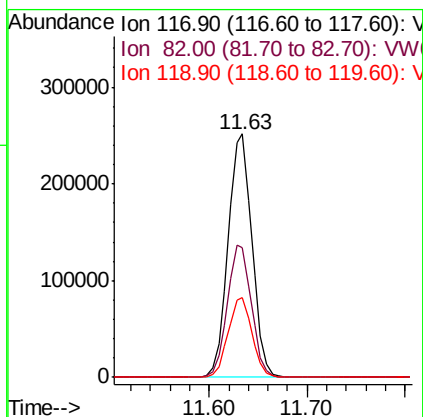
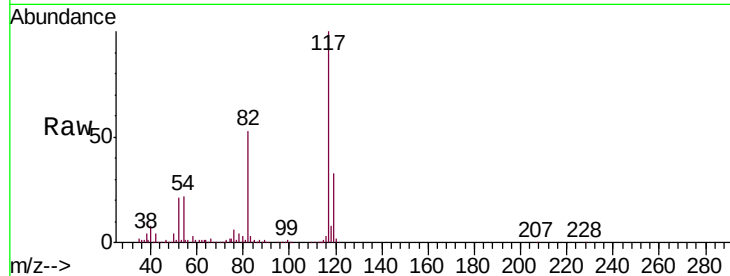




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008946.D
Acq: 02 Mar 2019 03:46

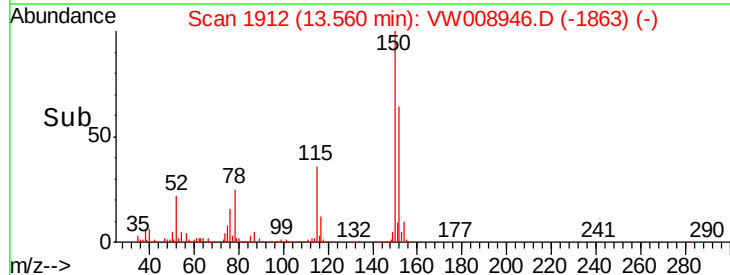
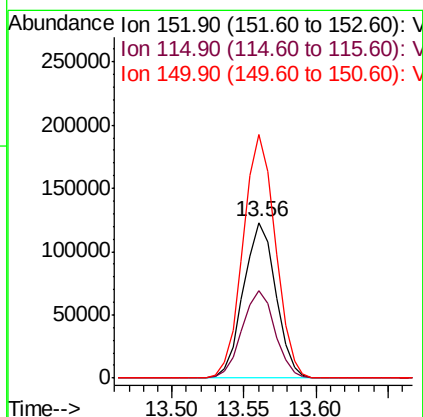
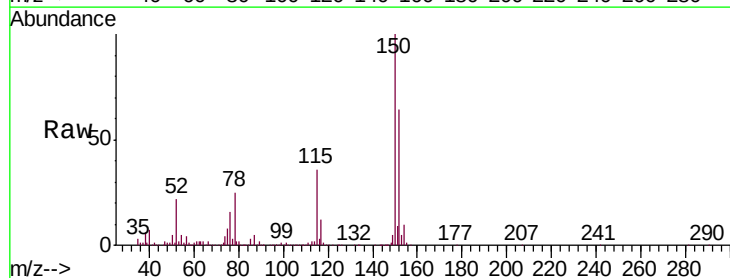
Instrument :
MSVOA_W
ClientSampleId :
Z-3-1-ARE

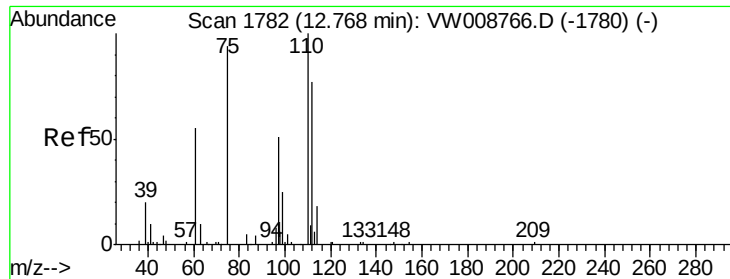
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.2	63.4
119	32.6	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008946.D
Acq: 02 Mar 2019 03:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.6	85.8
150	157.0	0.0	348.0

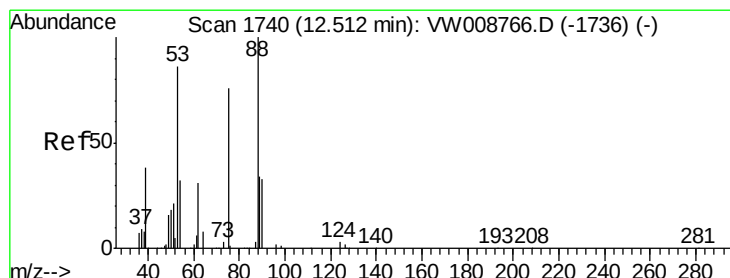
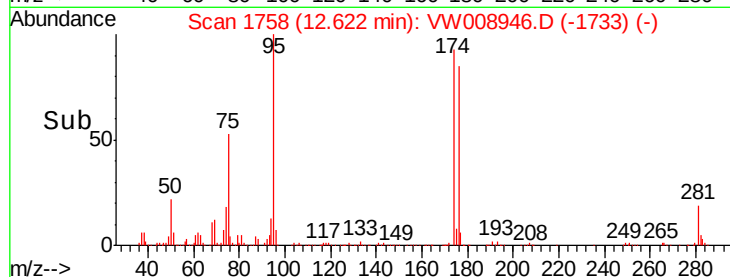
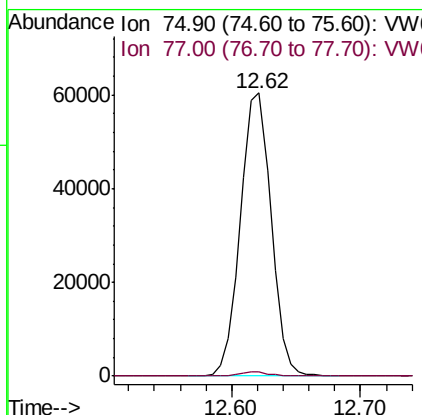
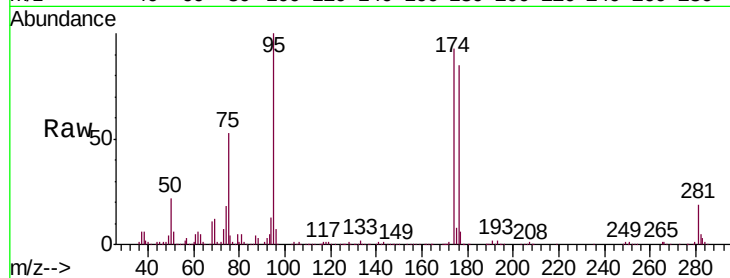




#76
 1,2,3-Trichloropropane
 Concen: 63.129 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008946.D
 Acq: 02 Mar 2019 03:46

Instrument :
 MSVOA_W
 ClientSampleId :
 Z-3-1-ARE

Tgt Ion: 75 Resp: 99659
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.470 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008946.D
 Acq: 02 Mar 2019 03:46

Tgt Ion: 75 Resp: 99659
 Ion Ratio Lower Upper
 75 100
 53 0.3 88.2 132.2#
 89 0.2 39.5 59.3#

