

Data File : VW008984.D
Acq On : 05 Mar 2019 02:24
Operator : SY/VA
Sample : K1715-07
Misc : 5.74G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-4-B-D

Quant Time: Mar 05 06:35:03 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	111505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	145416	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	117554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	42786	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	44253	42.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.62%	
35) Dibromofluoromethane	7.88	113	37745	43.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.46%	
50) Toluene-d8	10.32	98	171586	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.62	95	46979	35.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.20%	

Target Compounds

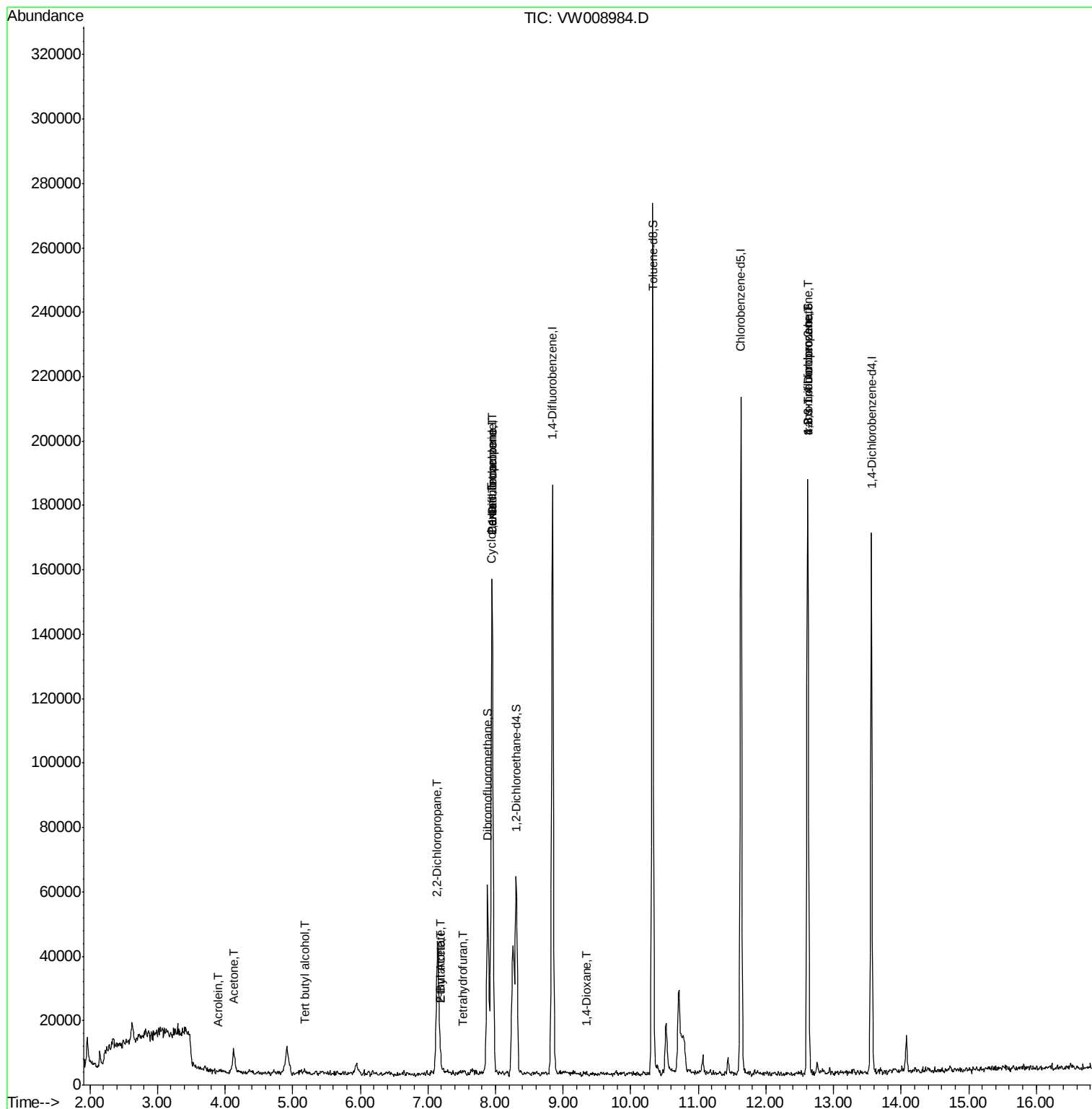
						Qvalue
11) Tert butyl alcohol	5.17	59	624	6.702	ug/l #	80
13) Acrolein	3.90	56	53	20.277	ug/l #	63
16) Acetone	4.13	43	12991	53.591	ug/l	99
20) Methylene Chloride	4.92	84	5614	Below Cal		97
25) 2-Butanone	7.19	43	3132	9.241	ug/l #	90
26) 2,2-Dichloropropane	7.15	77	2698	1.526	ug/l #	54
29) Tetrahydrofuran	7.52	42	849	3.931	ug/l #	51
31) Cyclohexane	7.94	56	3013	1.528	ug/l #	47
36) 1,1-Dichloropropene	7.95	75	9402	6.642	ug/l #	52
37) Ethyl Acetate	7.19	43	3151	4.787	ug/l #	72
38) Carbon Tetrachloride	7.95	117	10958	7.340	ug/l #	16
49) 1,4-Dioxane	9.35	88	34	3.997	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	25686	72.712	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	25686	176.769	ug/l #	6

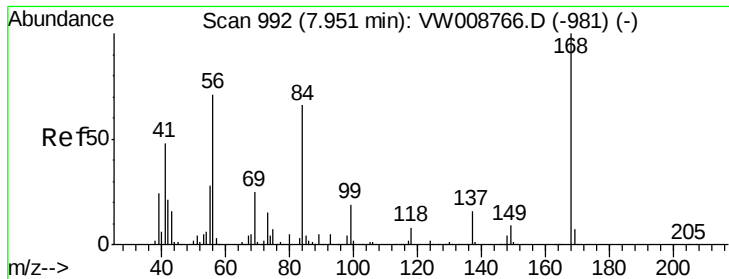
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008984.D

Acq: 05 Mar 2019 02:24

Instrument :

MSVOA_W

ClientSampleId :

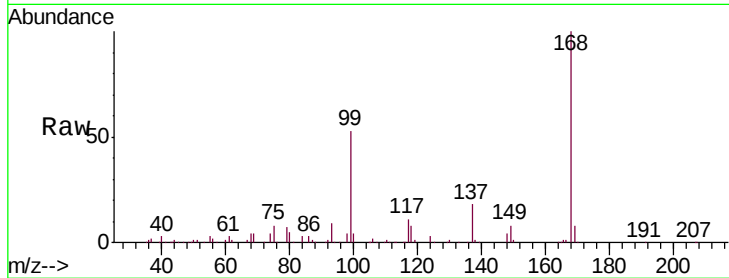
TP-4-B-D

Tgt Ion:168 Resp: 111505

Ion Ratio Lower Upper

168 100

99 53.3 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

60000

50000

40000

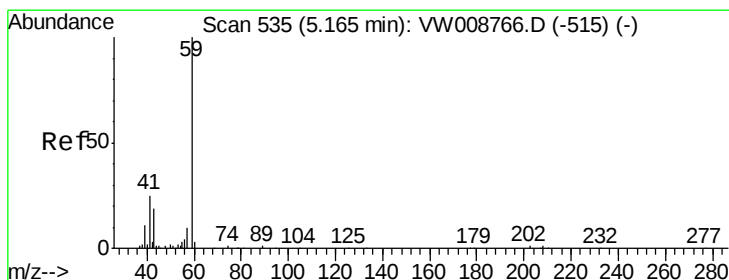
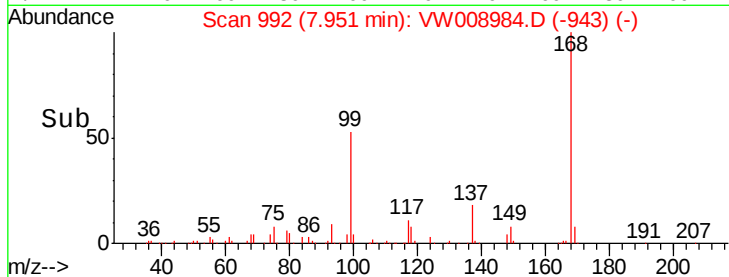
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 6.702 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW008984.D

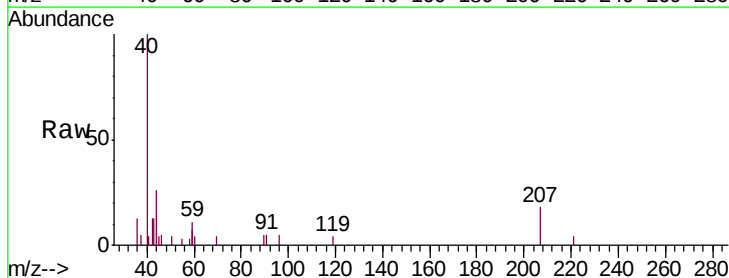
Acq: 05 Mar 2019 02:24

Tgt Ion: 59 Resp: 624

Ion Ratio Lower Upper

59 100

57 19.2 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

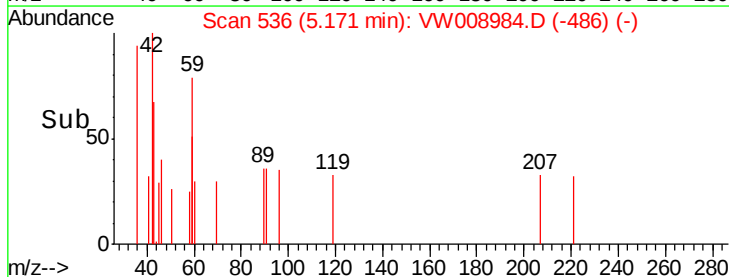
300

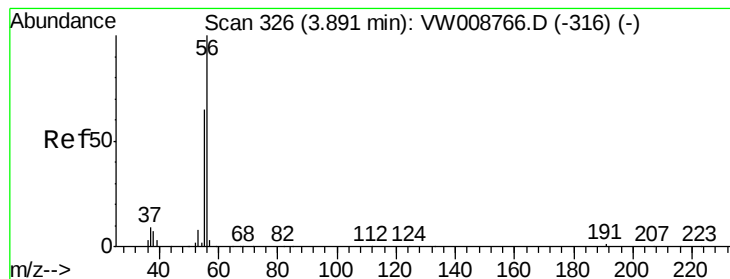
200

100

0

Time-->





#13

Acrolein

Concen: 20.277 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW008984.D

Acq: 05 Mar 2019 02:24

Instrument :

MSVOA_W

ClientSampled :

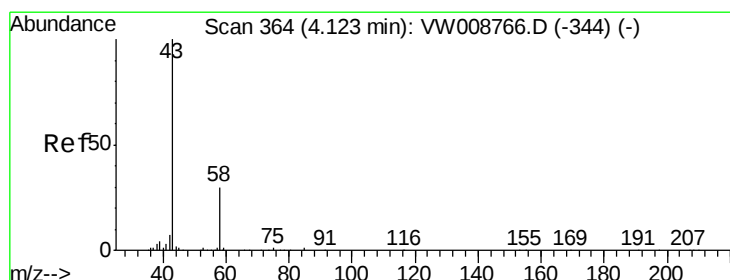
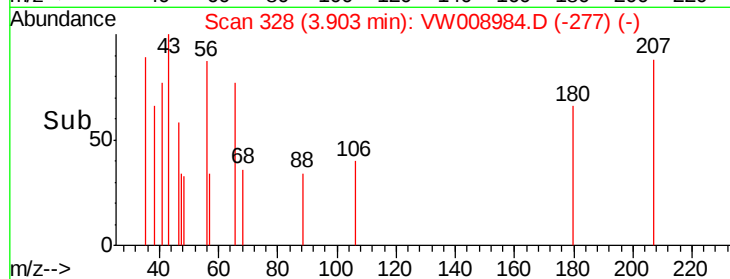
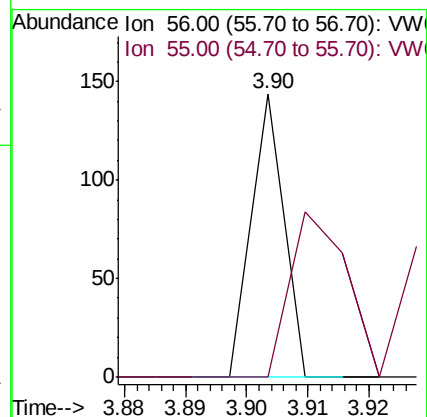
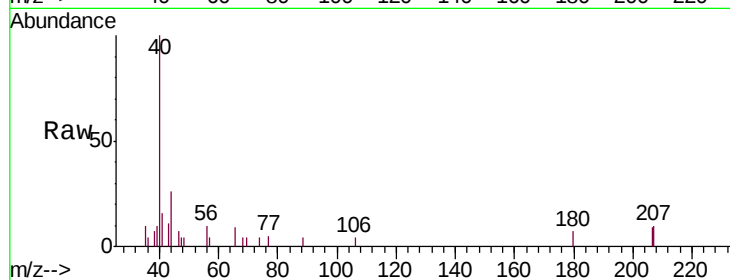
TP-4-B-D

Tgt Ion: 56 Resp: 53

Ion Ratio Lower Upper

56 100

55 101.9 56.9 85.3#



#16

Acetone

Concen: 53.591 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008984.D

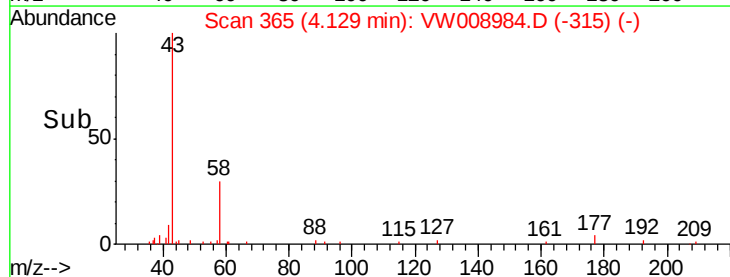
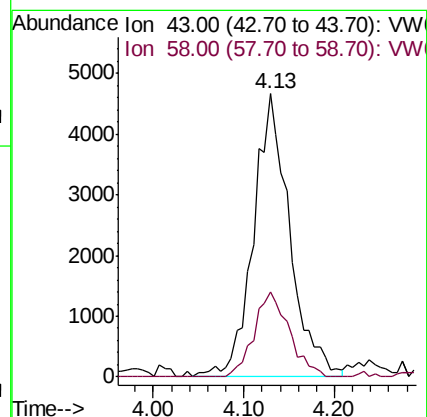
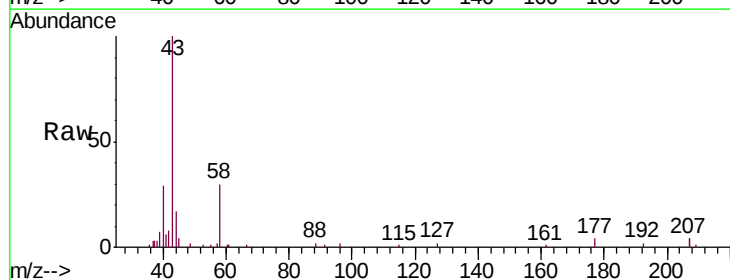
Acq: 05 Mar 2019 02:24

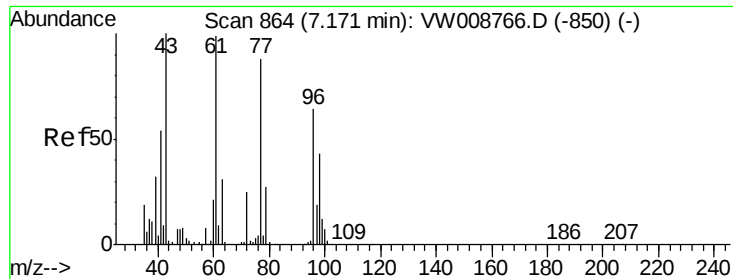
Tgt Ion: 43 Resp: 12991

Ion Ratio Lower Upper

43 100

58 30.0 23.8 35.6





#25

2-Butanone

Concen: 9.241 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW008984.D

Acq: 05 Mar 2019 02:24

Instrument :

MSVOA_W

ClientSampled :

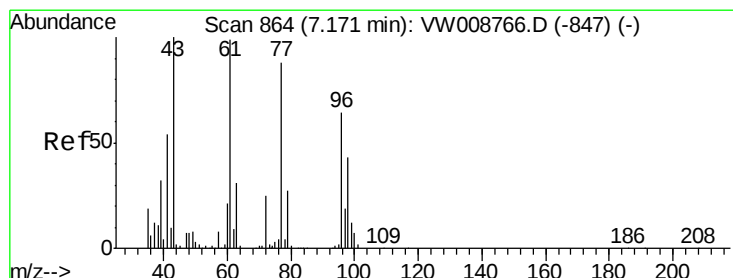
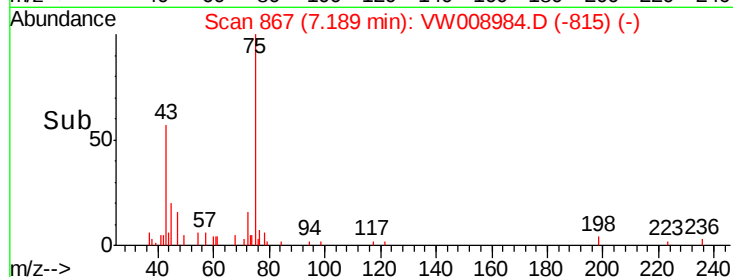
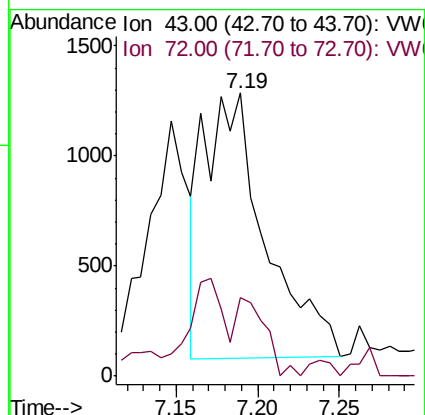
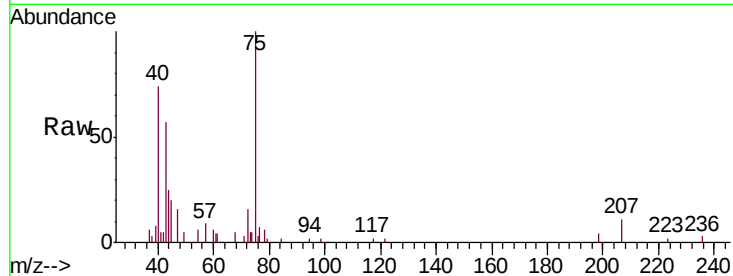
TP-4-B-D

Tgt Ion: 43 Resp: 3132

Ion Ratio Lower Upper

43 100

72 29.6 19.7 29.5#



#26

2,2-Dichloropropane

Concen: 1.526 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008984.D

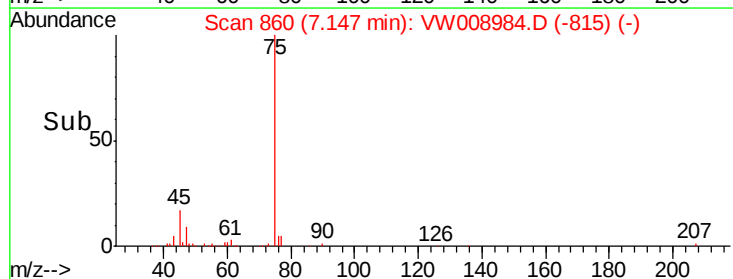
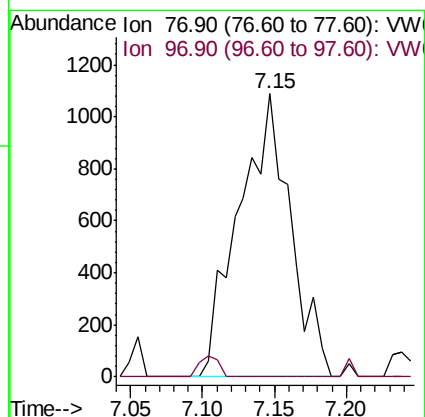
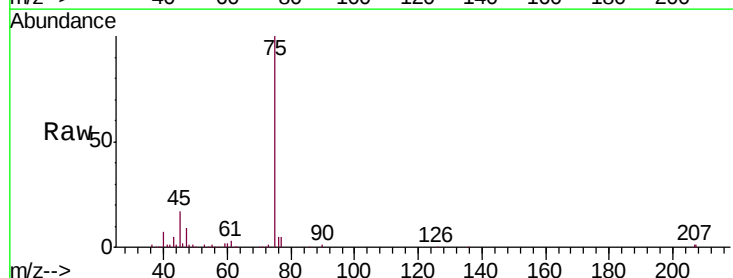
Acq: 05 Mar 2019 02:24

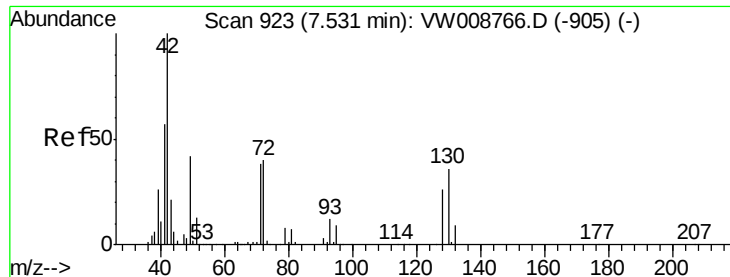
Tgt Ion: 77 Resp: 2698

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#

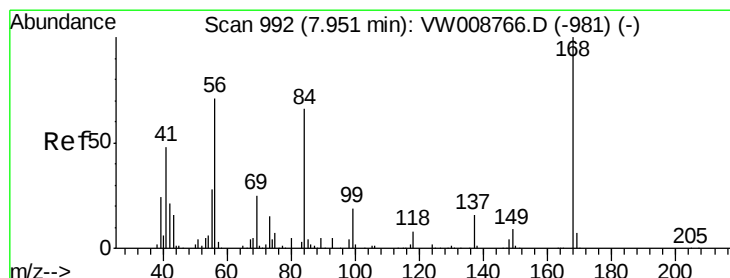
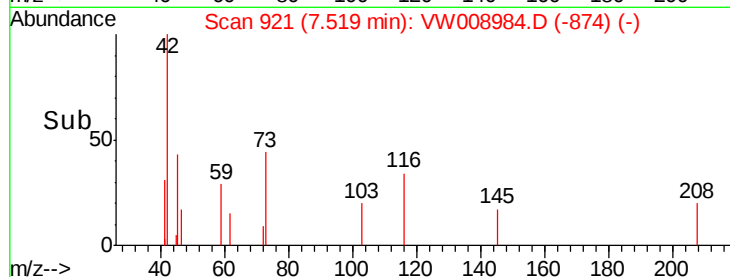
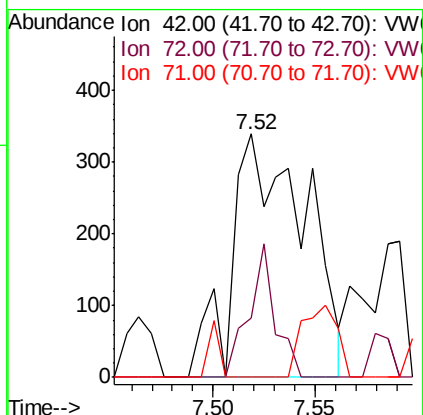
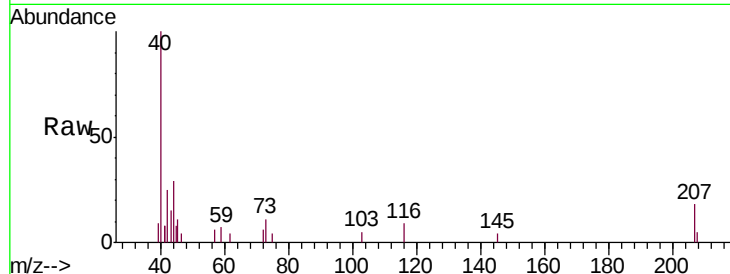




#29
Tetrahydrofuran
Concen: 3.931 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW008984.D
Acq: 05 Mar 2019 02:24

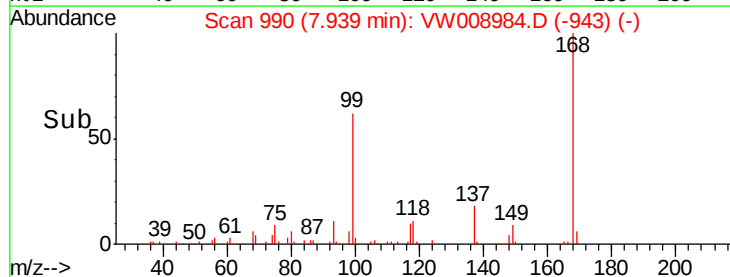
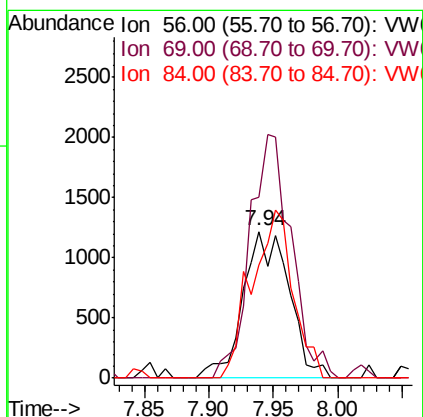
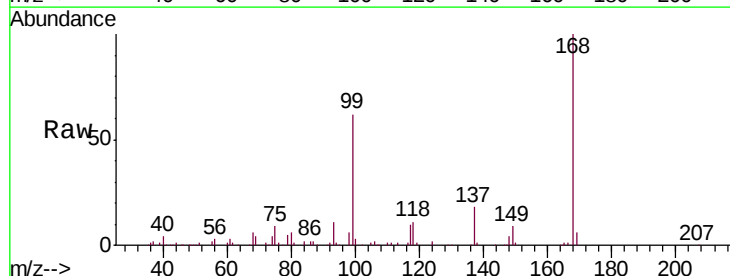
Instrument :
MSVOA_W
ClientSampled :
TP-4-B-D

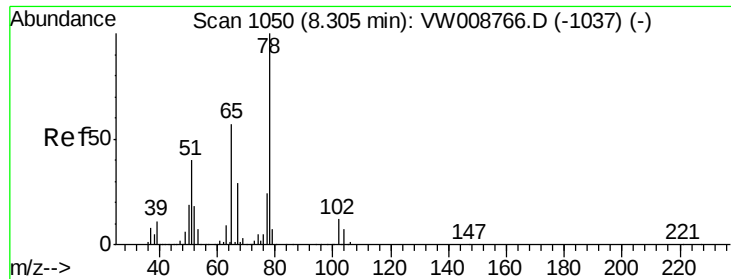
Tgt Ion: 42 Resp: 849
Ion Ratio Lower Upper
42 100
72 19.4 32.7 49.1#
71 0.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.528 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008984.D
Acq: 05 Mar 2019 02:24

Tgt Ion: 56 Resp: 3013
Ion Ratio Lower Upper
56 100
69 123.3 28.2 42.4#
84 77.1 74.1 111.1

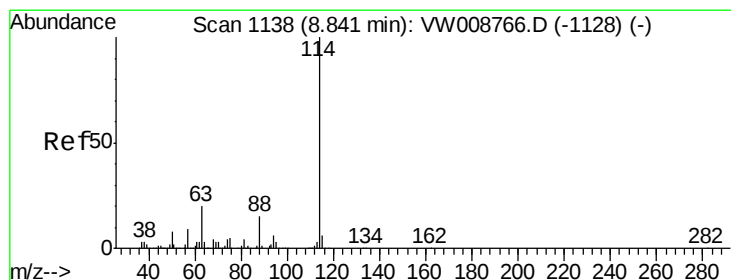
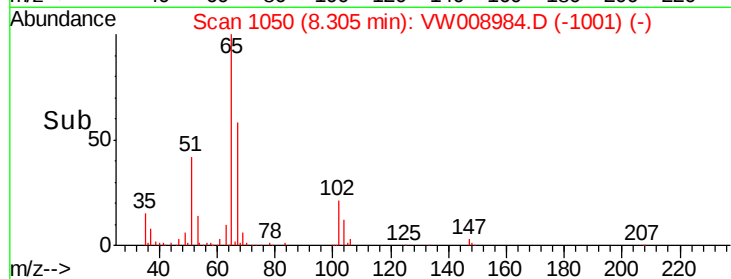
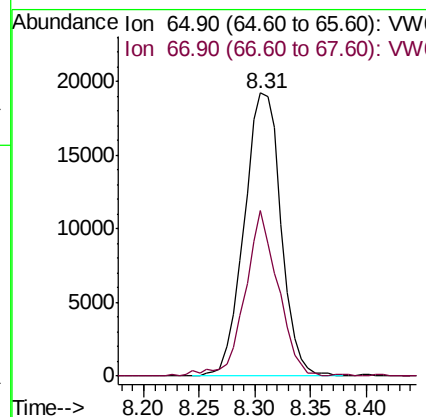
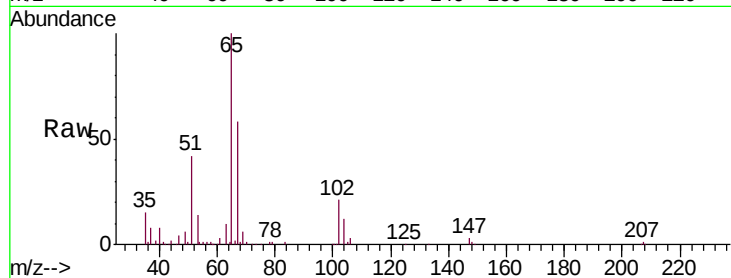




#33
 1,2-Dichloroethane-d4
 Concen: 42.314 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008984.D
 Acq: 05 Mar 2019 02:24

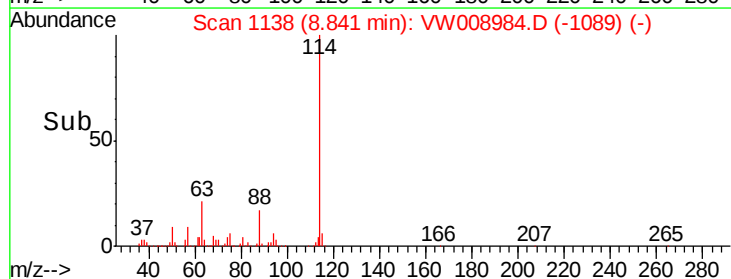
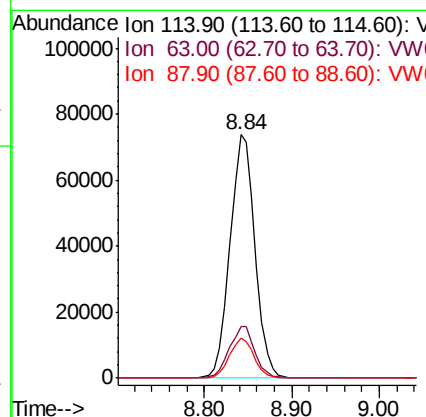
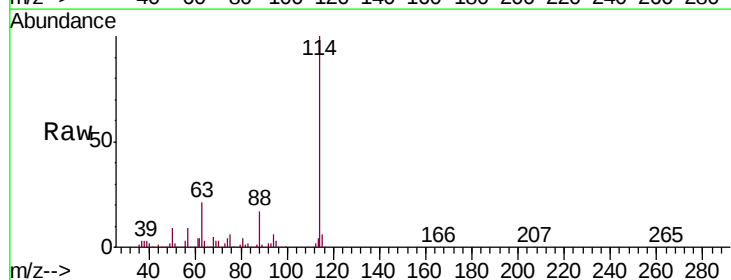
Instrument :
 MSVOA_W
 ClientSampled :
 TP-4-B-D

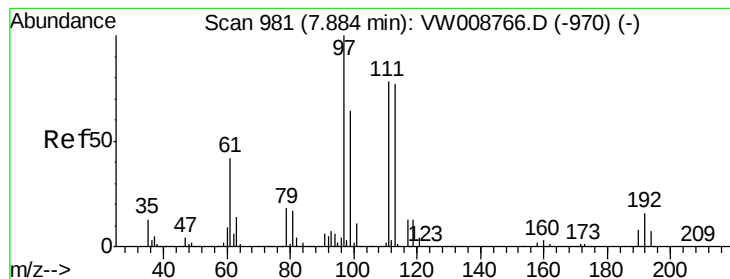
Tgt Ion: 65 Resp: 44253
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008984.D
 Acq: 05 Mar 2019 02:24

Tgt Ion: 114 Resp: 145416
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.8
 88 16.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 43.231 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008984.D

Acq: 05 Mar 2019 02:24

Instrument :

MSVOA_W

ClientSampleId :

TP-4-B-D

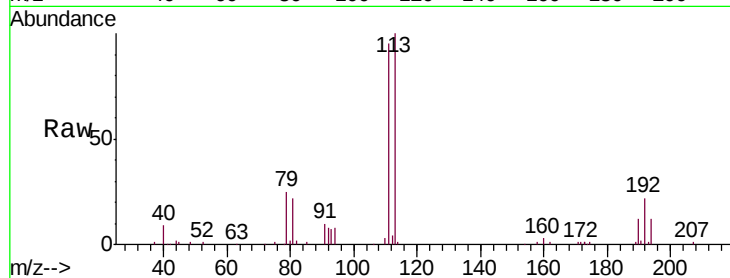
Tgt Ion:113 Resp: 37745

Ion Ratio Lower Upper

113 100

111 106.5 81.9 122.9

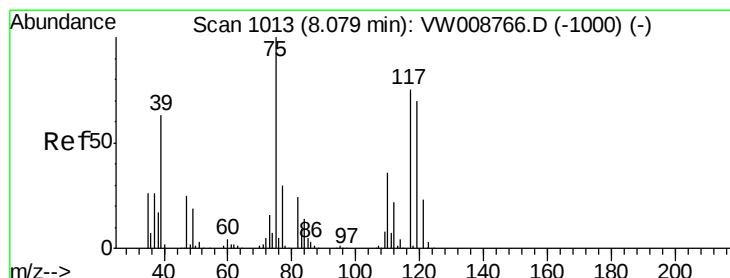
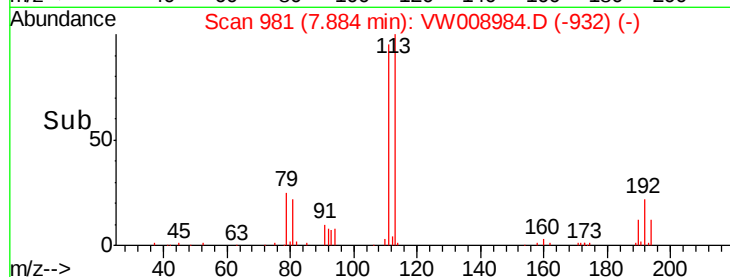
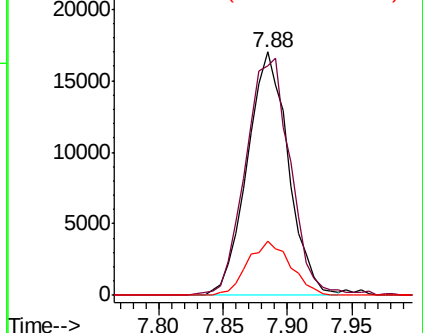
192 23.2 17.1 25.7



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: 6.642 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008984.D

Acq: 05 Mar 2019 02:24

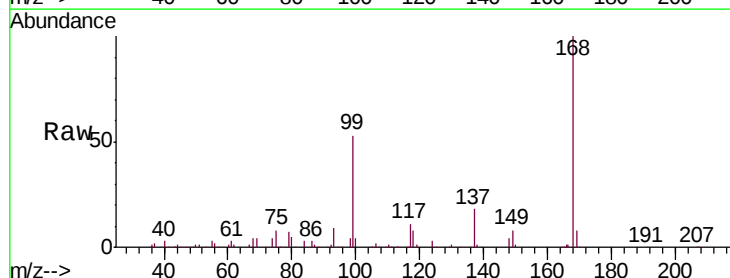
Tgt Ion: 75 Resp: 9402

Ion Ratio Lower Upper

75 100

110 10.7 17.5 52.6#

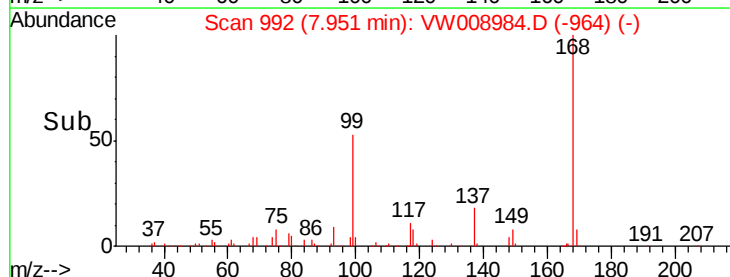
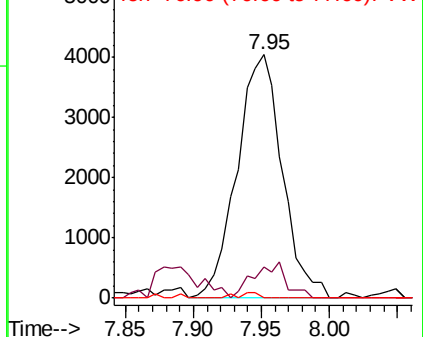
77 1.0 24.5 36.7#

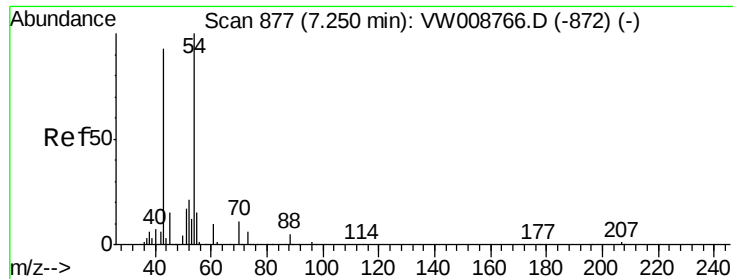


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

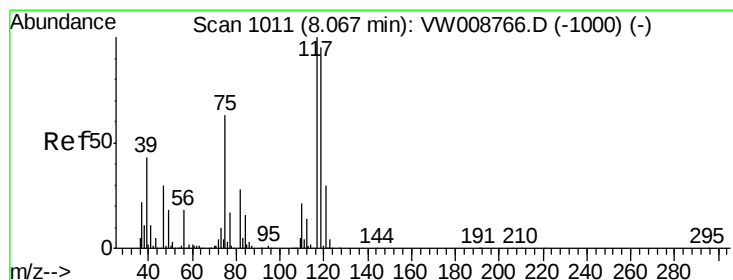
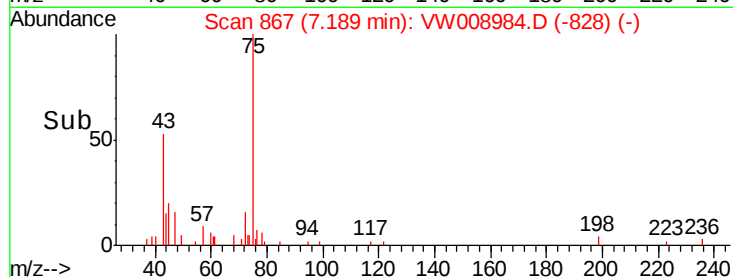
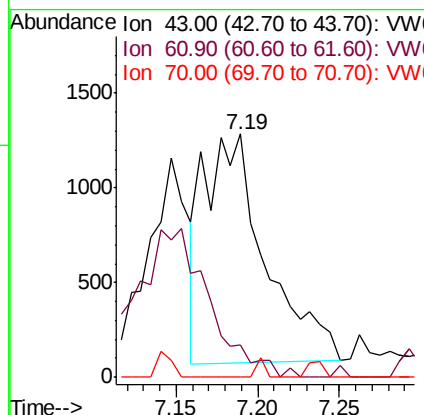
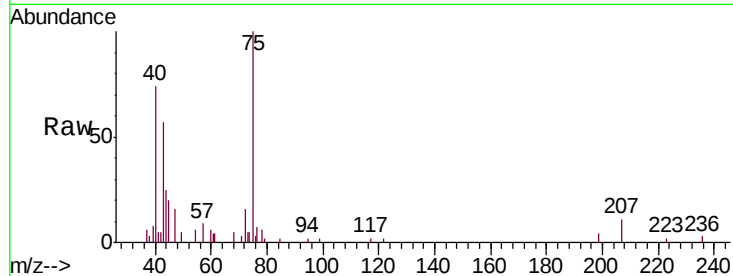




#37
Ethyl Acetate
Concen: 4.787 ug/l
RT: 7.19 min Scan# 867
Delta R.T. -0.06 min
Lab File: VW008984.D
Acq: 05 Mar 2019 02:24

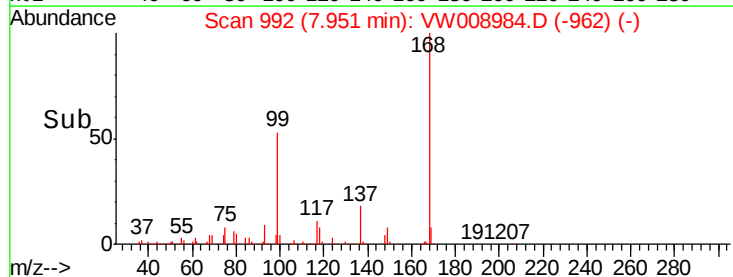
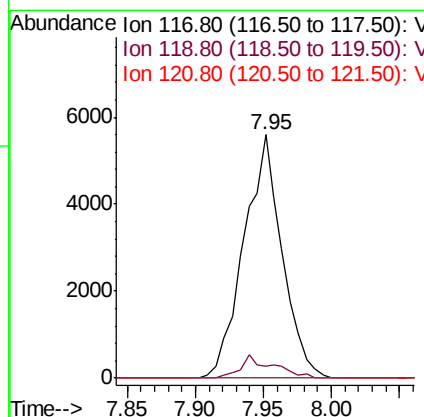
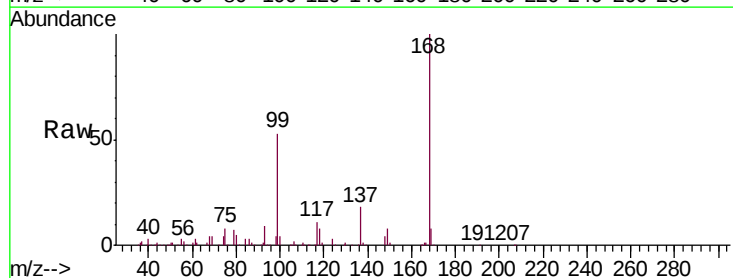
Instrument :
MSVOA_W
ClientSampleId :
TP-4-B-D

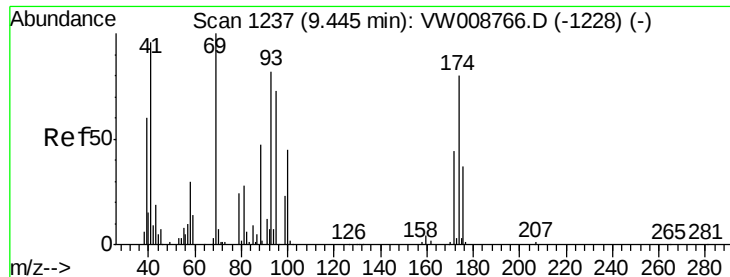
Tgt Ion: 43 Resp: 3151
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 1.2 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 7.340 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008984.D
Acq: 05 Mar 2019 02:24

Tgt Ion: 117 Resp: 10958
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.0 36.0#

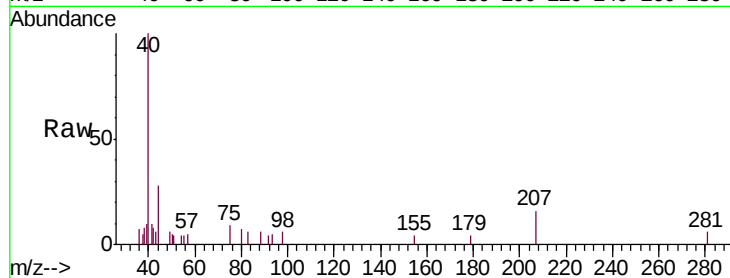




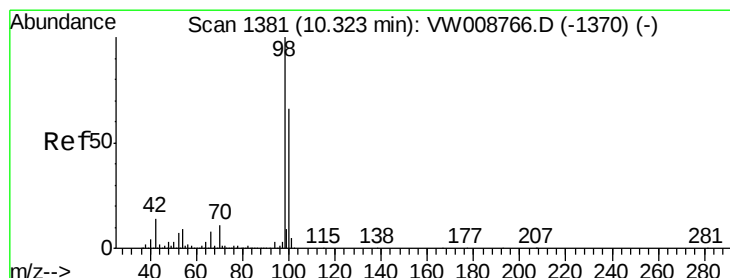
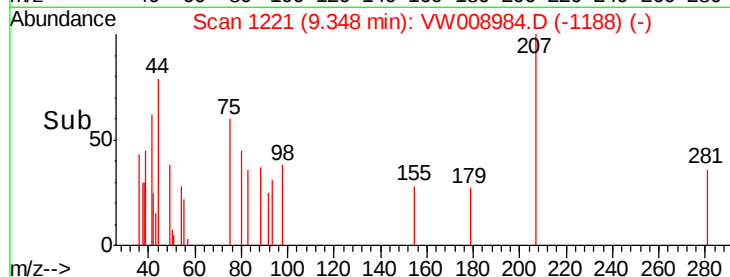
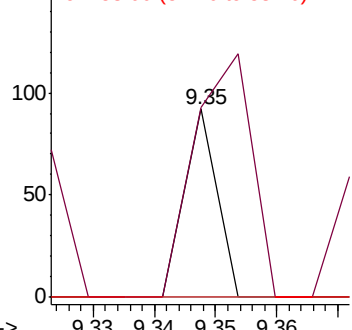
#49
1,4-Dioxane
Concen: 3.997 ug/l
RT: 9.35 min Scan# 1221
Delta R.T. -0.10 min
Lab File: VW008984.D
Acq: 05 Mar 2019 02:24

Instrument :
MSVOA_W
ClientSampled :
TP-4-B-D

Tgt Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 229.4 29.0 43.4#
58 0.0 52.0 78.0#

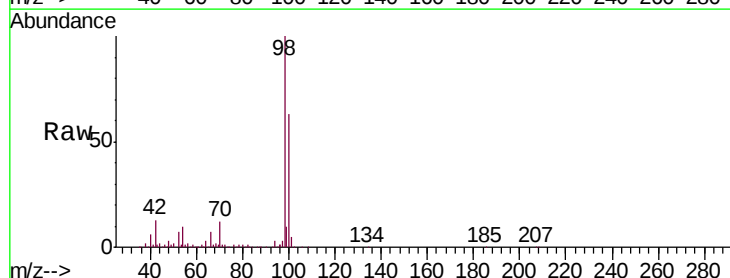


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

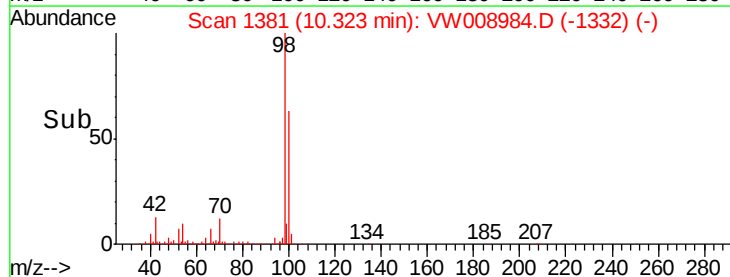
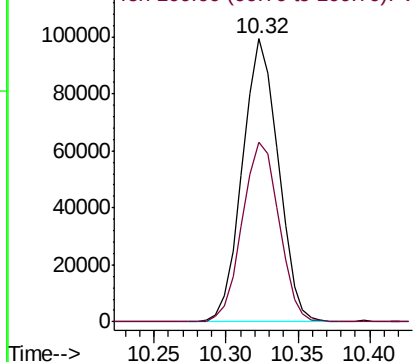


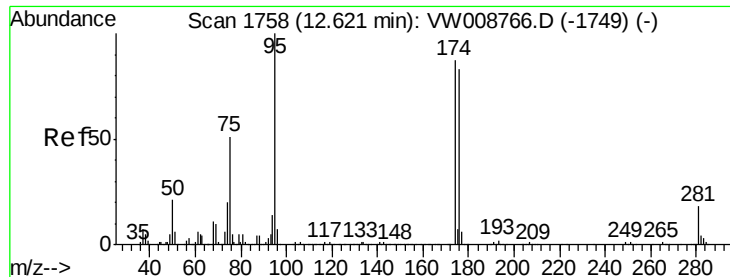
#50
Toluene-d8
Concen: 50.910 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008984.D
Acq: 05 Mar 2019 02:24

Tgt Ion: 98 Resp: 171586
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

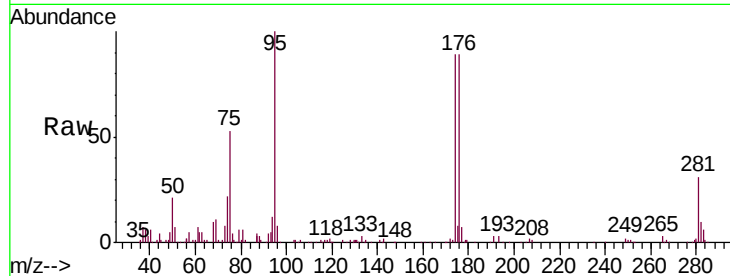




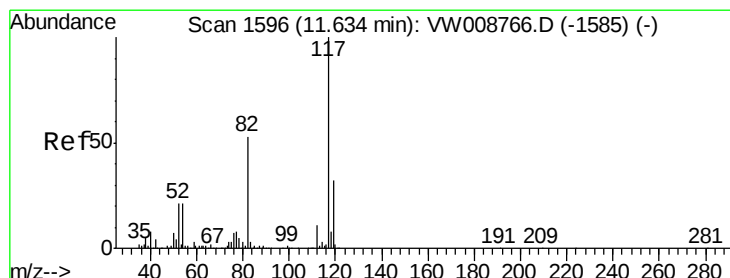
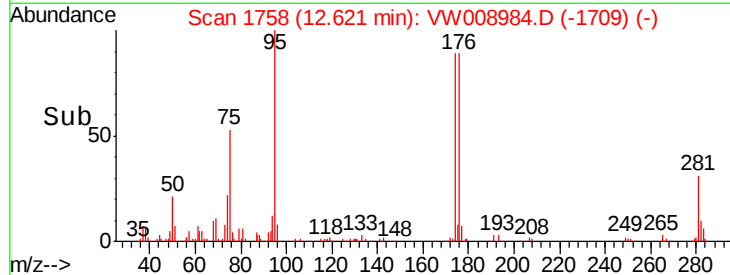
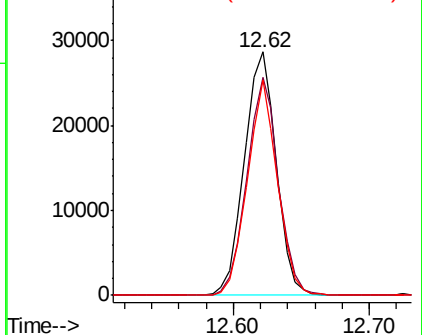
#62
4-Bromofluorobenzene
Concen: 35.599 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008984.D
Acq: 05 Mar 2019 02:24

Instrument :
MSVOA_W
ClientSampleId :
TP-4-B-D

Tgt Ion: 95 Resp: 46979
Ion Ratio Lower Upper
95 100
174 88.5 0.0 169.2
176 83.5 0.0 163.6

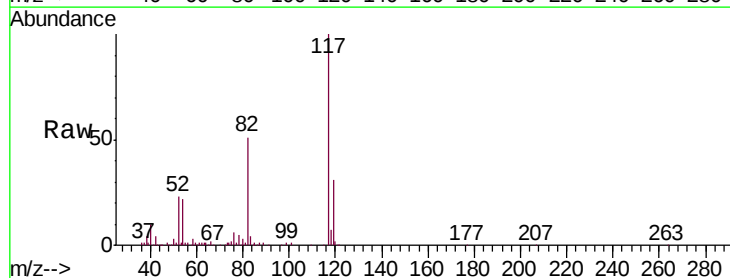


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

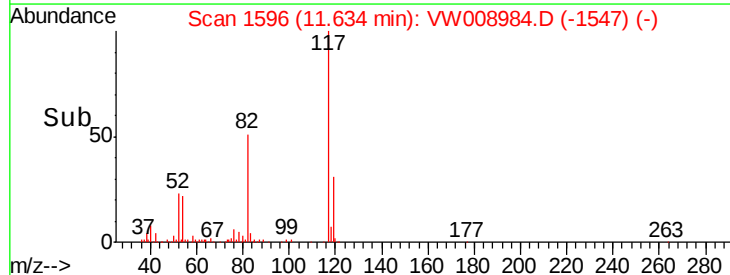
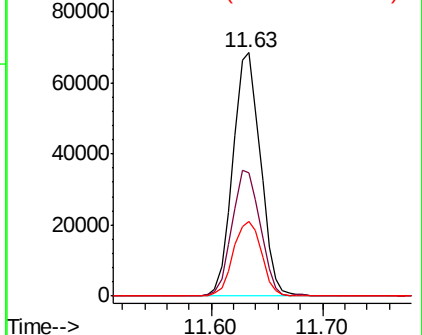


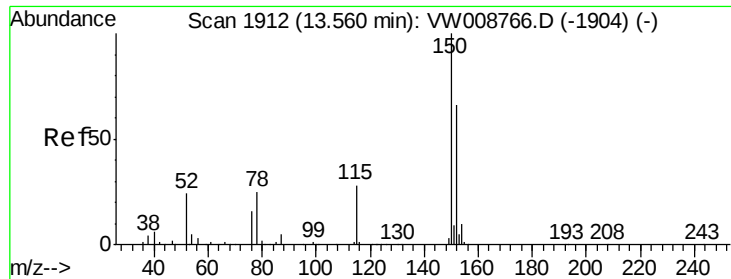
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008984.D
Acq: 05 Mar 2019 02:24

Tgt Ion: 117 Resp: 117554
Ion Ratio Lower Upper
117 100
82 50.5 42.2 63.4
119 30.5 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW



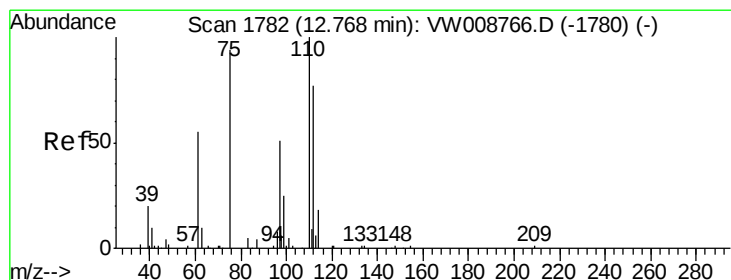
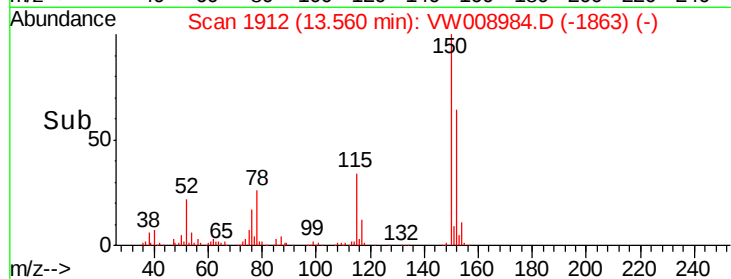
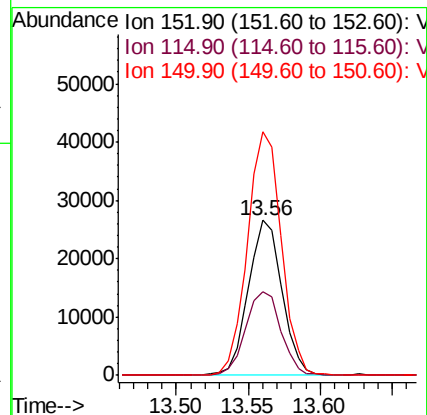
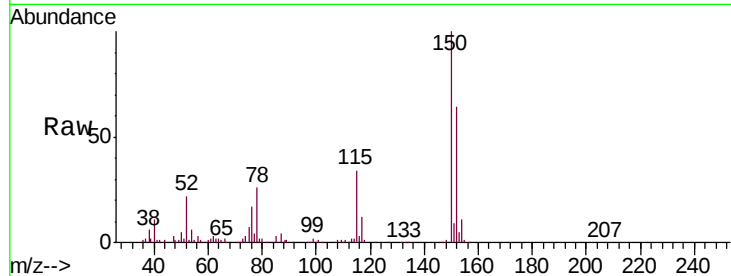


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008984.D
Acq: 05 Mar 2019 02:24

Instrument :
MSVOA_W
ClientSampled :
TP-4-B-D

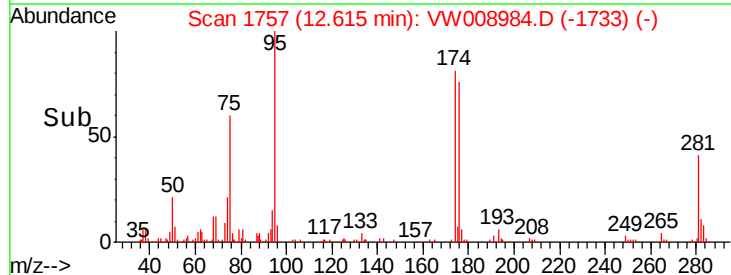
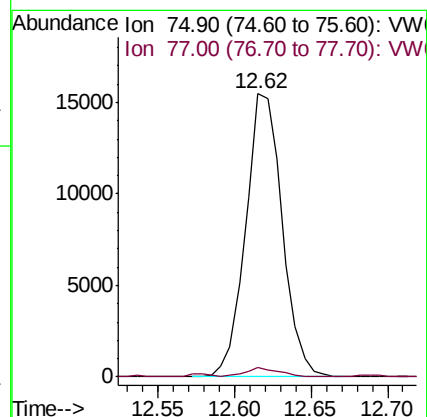
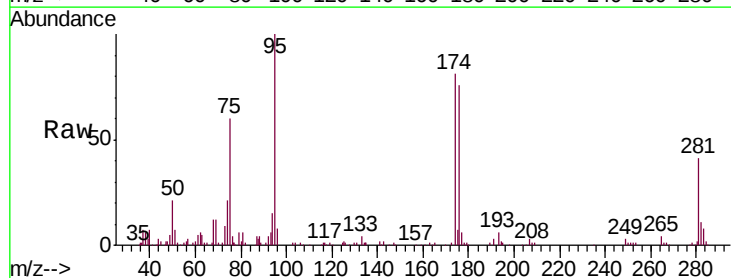
Tgt Ion:152 Resp: 42786
Ion Ratio Lower Upper
152 100
115 56.6 28.6 85.8
150 158.2 0.0 348.0

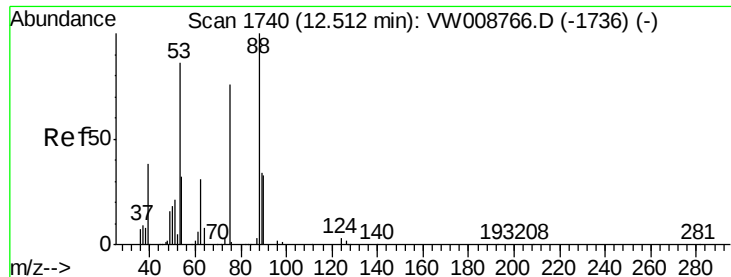


#76

1,2,3-Trichloropropane
Concen: 72.712 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008984.D
Acq: 05 Mar 2019 02:24

Tgt Ion: 75 Resp: 25686
Ion Ratio Lower Upper
75 100
77 3.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 176.769 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008984.D

Acq: 05 Mar 2019 02:24

Instrument :

MSVOA_W

ClientSampleId :

TP-4-B-D

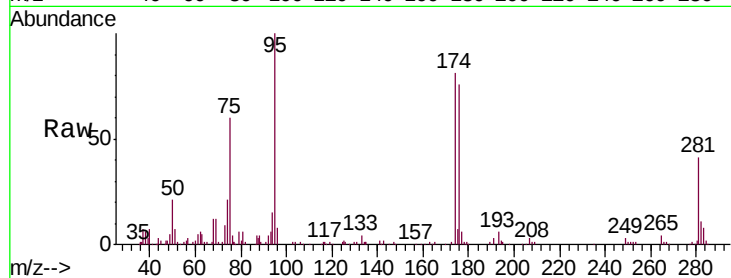
Tgt Ion: 75 Resp: 25686

Ion Ratio Lower Upper

75 100

53 0.8 88.2 132.2#

89 0.4 39.5 59.3#



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

