

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012646.D
 Acq On : 05 Sep 2019 17:37
 Operator : SY/VA
 Sample : K4547-18
 Misc : 3.60G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-2-(0)

Quant Time: Sep 06 07:54:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	241502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	113253	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	156569	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
35) Dibromofluoromethane	7.88	113	119617	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	10.32	98	471310	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.62	95	143948	42.87	ug/l	0.00
Spiked Amount			Recovery	=	85.74%	

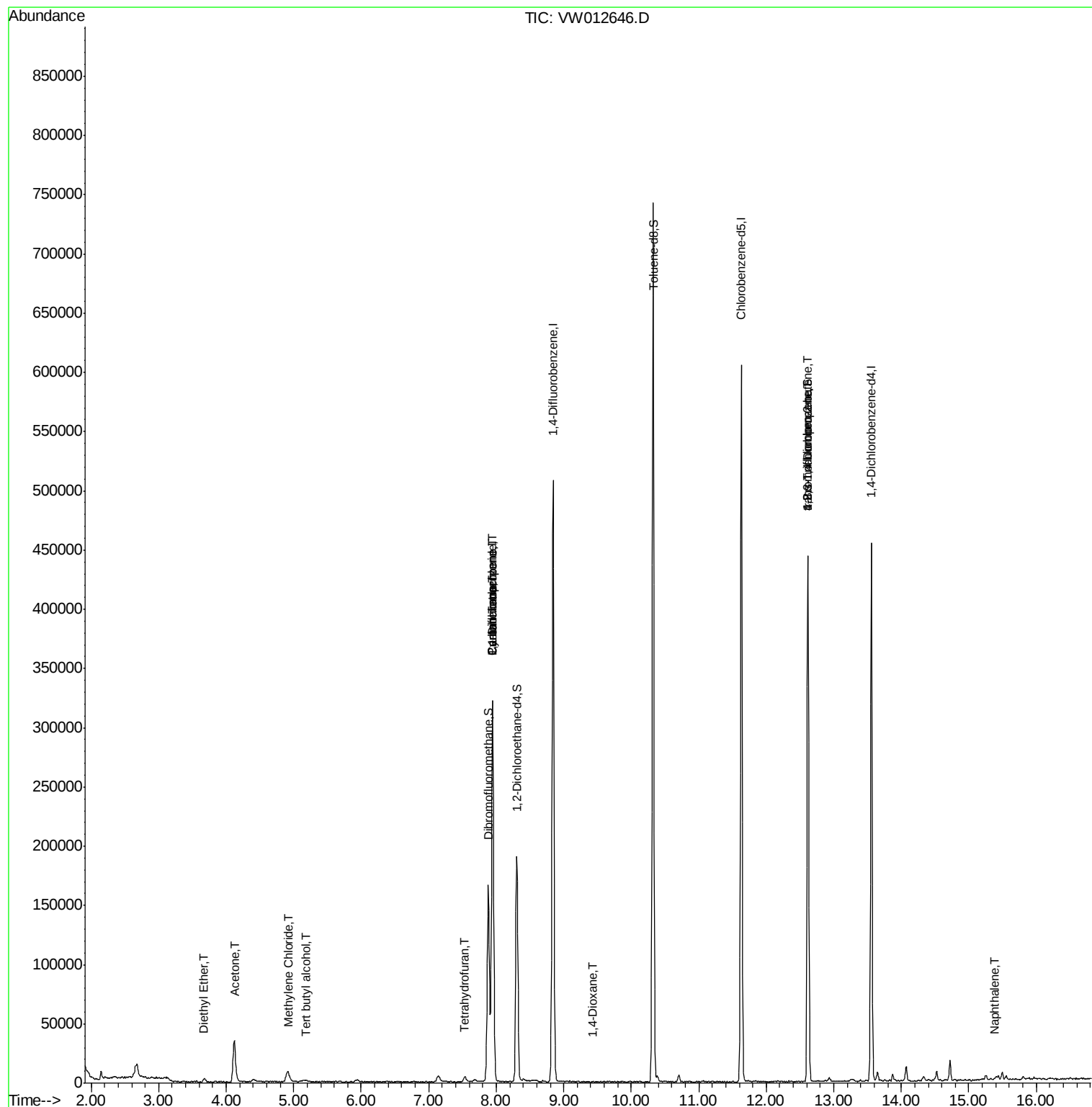
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1417	1.054	ug/l	78
11) Tert butyl alcohol	5.18	59	2599	15.043	ug/l #	84
16) Acetone	4.12	43	64370	87.715	ug/l	99
20) Methylene Chloride	4.91	84	6446	2.324	ug/l	96
29) Tetrahydrofuran	7.53	42	3895	6.510	ug/l	98
31) Cyclohexane	7.95	56	5743	1.111	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20142	4.952	ug/l #	52
38) Carbon Tetrachloride	7.95	117	24002	6.818	ug/l #	17
49) 1,4-Dioxane	9.44	88	21	1.031	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	76424	69.287	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76424	151.915	ug/l #	6
95) Naphthalene	15.38	128	515	4.431	ug/l #	87

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

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012646.D

Acq: 05 Sep 2019 17:37

Instrument :

MSVOA_W

ClientSampleId :

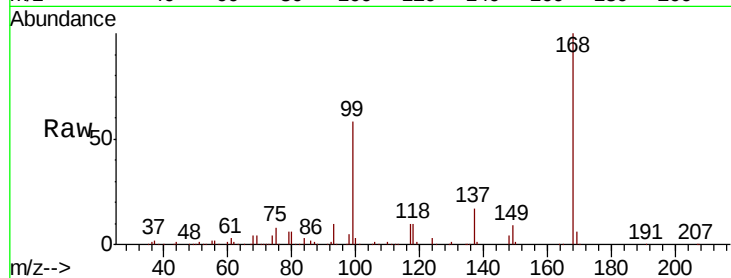
T12-2-(0)

Tgt Ion:168 Resp: 241502

Ion Ratio Lower Upper

168 100

99 57.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

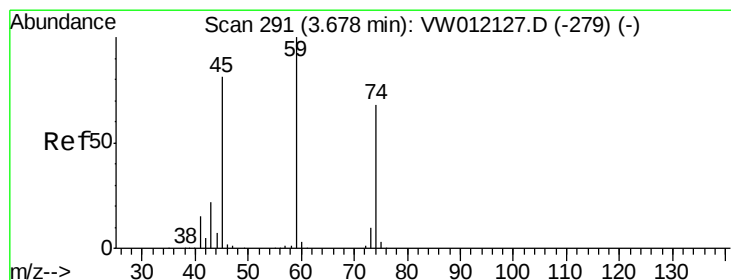
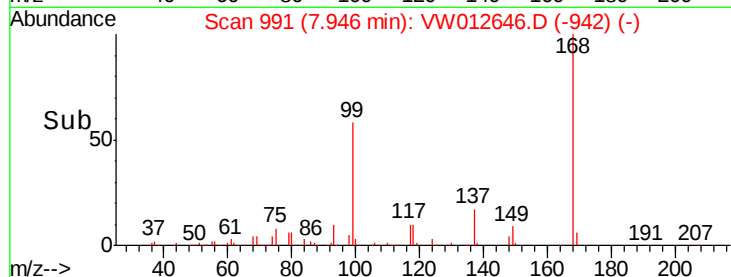
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.054 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012646.D

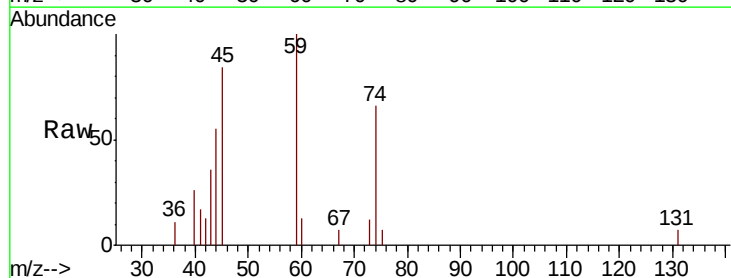
Acq: 05 Sep 2019 17:37

Tgt Ion: 74 Resp: 1417

Ion Ratio Lower Upper

74 100

45 142.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

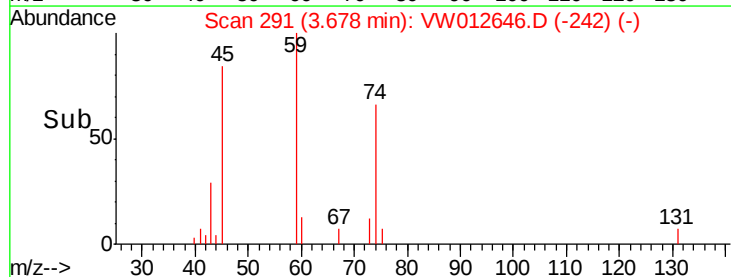
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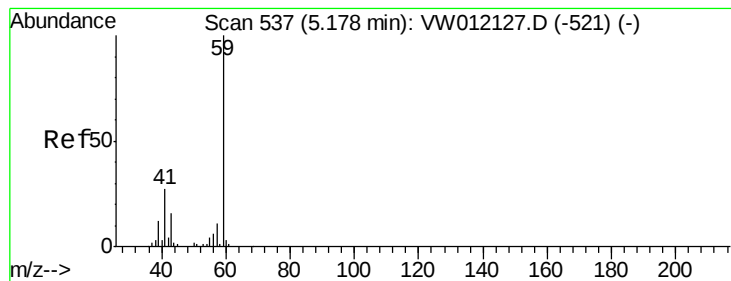
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Time-->



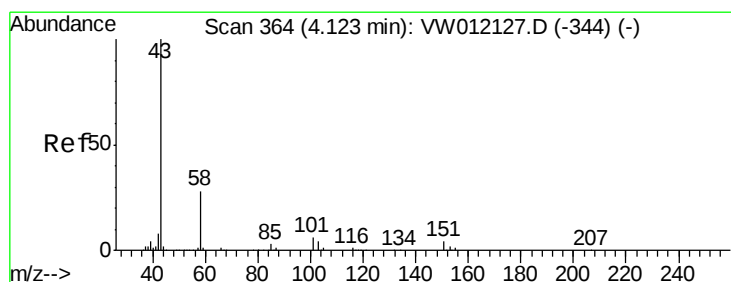
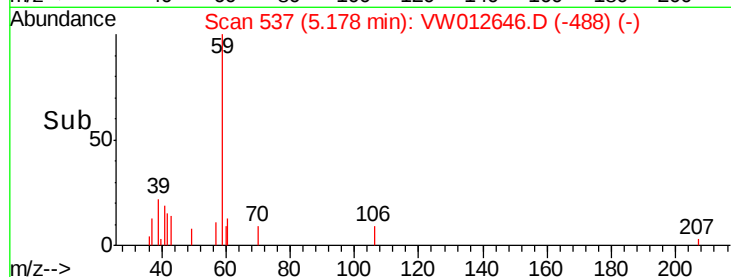
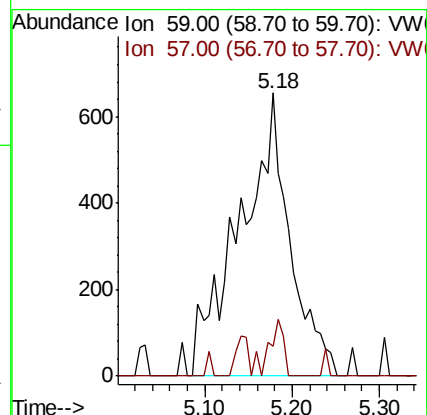
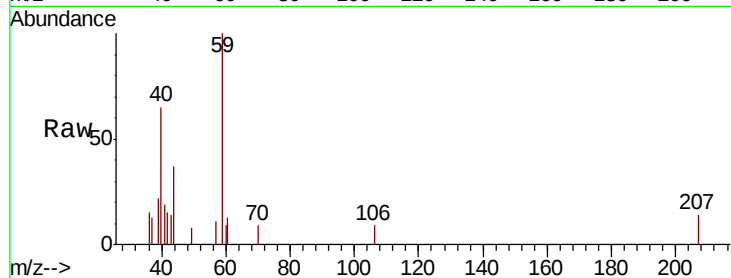


#11

Tert butyl alcohol
 Concen: 15.043 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VW012646.D
 Acq: 05 Sep 2019 17:37

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-2-(0)

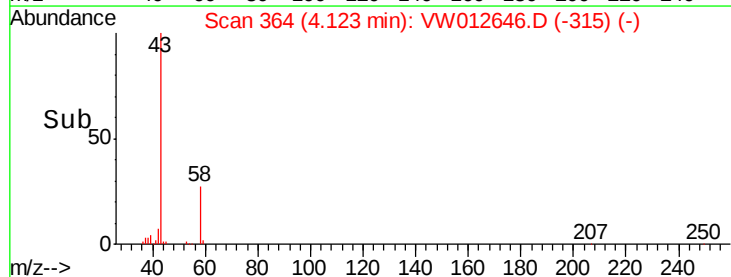
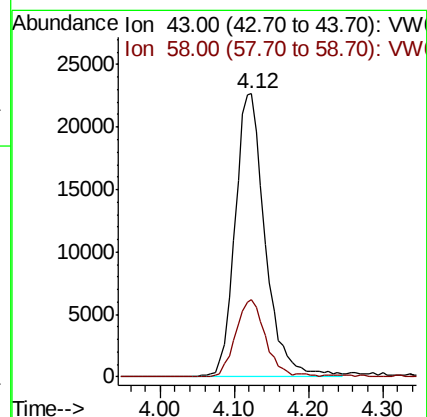
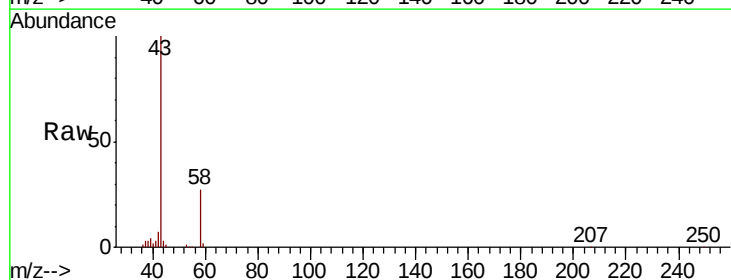
Tgt Ion: 59 Resp: 2599
 Ion Ratio Lower Upper
 59 100
 57 5.2 9.0 13.4#

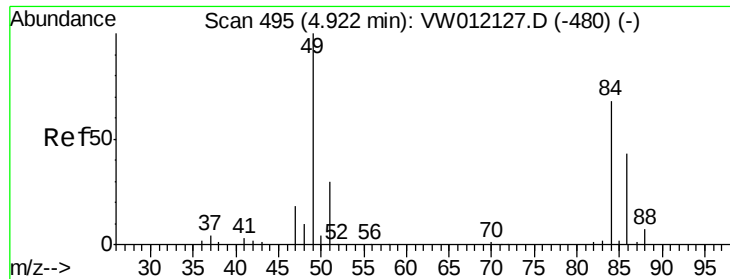


#16

Acetone
 Concen: 87.715 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VW012646.D
 Acq: 05 Sep 2019 17:37

Tgt Ion: 43 Resp: 64370
 Ion Ratio Lower Upper
 43 100
 58 27.5 22.4 33.6

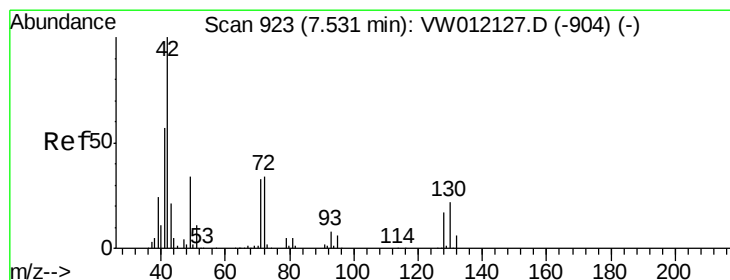
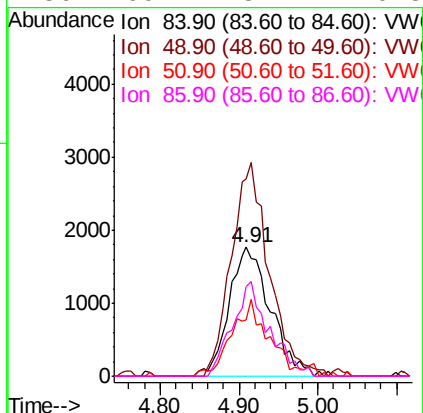
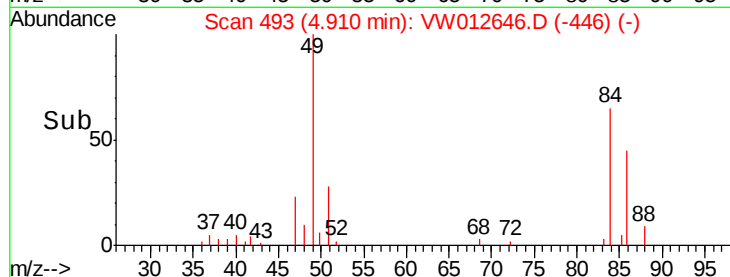
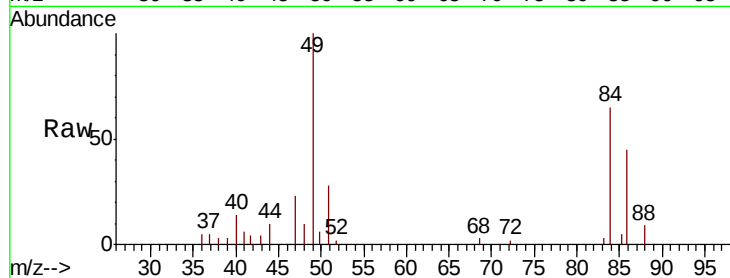




#20
Methylene Chloride
Concen: 2.324 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012646.D
Acq: 05 Sep 2019 17:37

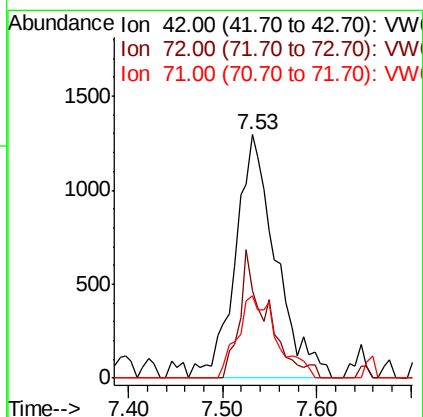
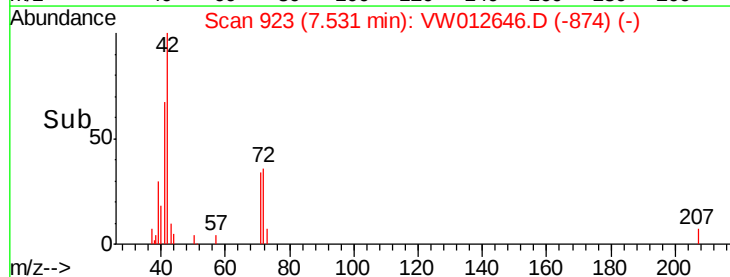
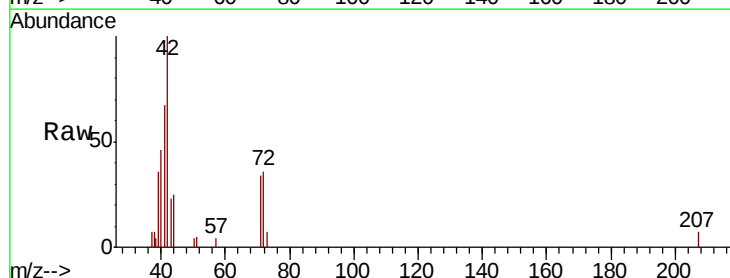
Instrument :
MSVOA_W
ClientSampleId :
T12-2-(0)

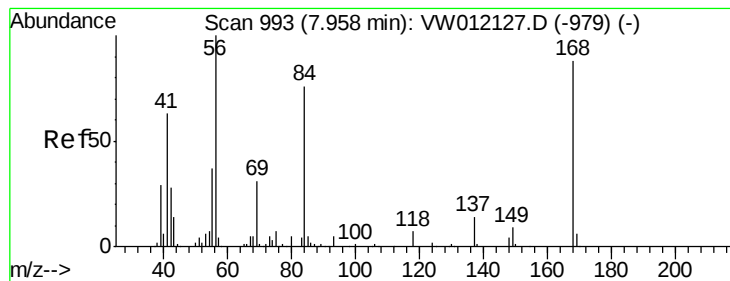
Tgt Ion: 84 Resp: 6446
Ion Ratio Lower Upper
84 100
49 152.9 117.8 176.8
51 43.5 35.6 53.4
86 69.2 51.2 76.8



#29
Tetrahydrofuran
Concen: 6.510 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012646.D
Acq: 05 Sep 2019 17:37

Tgt Ion: 42 Resp: 3895
Ion Ratio Lower Upper
42 100
72 35.6 27.3 40.9
71 32.9 25.5 38.3





#31

Cyclohexane

Concen: 1.111 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012646.D

Acq: 05 Sep 2019 17:37

Instrument :
MSVOA_W
ClientSampled :
T12-2-(0)

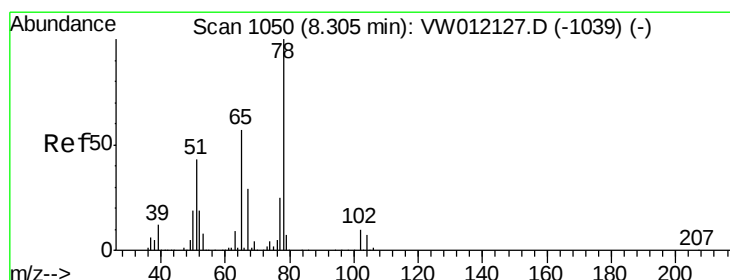
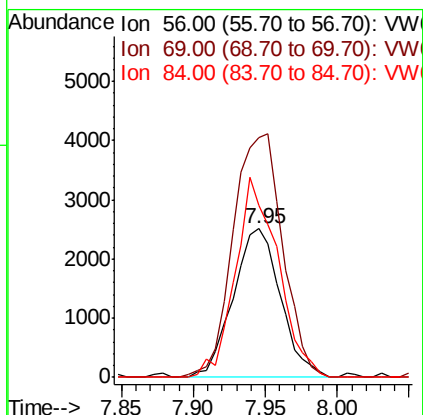
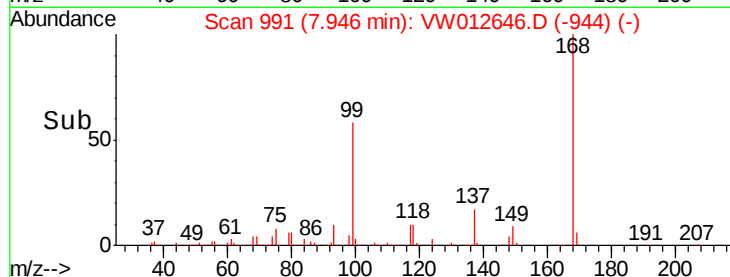
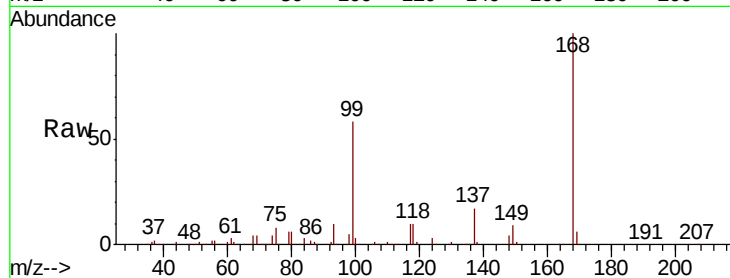
Tgt Ion: 56 Resp: 5743

Ion Ratio Lower Upper

56 100

69 161.2 24.9 37.3#

84 115.8 60.6 90.8#



#33

1,2-Dichloroethane-d4

Concen: 54.537 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012646.D

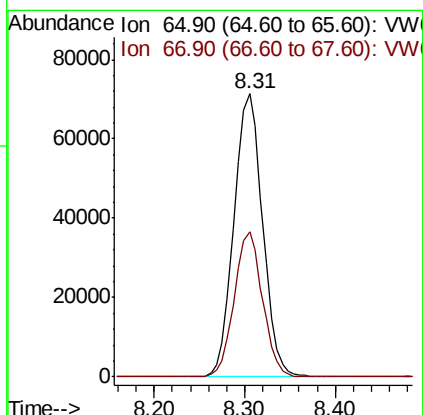
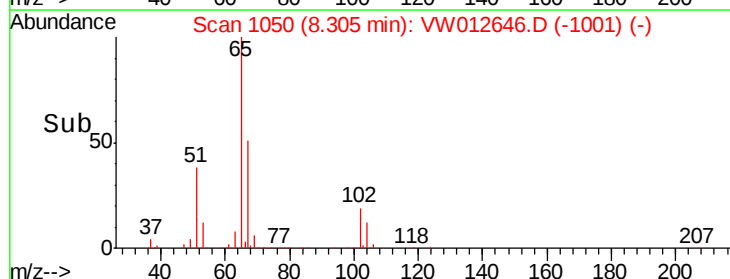
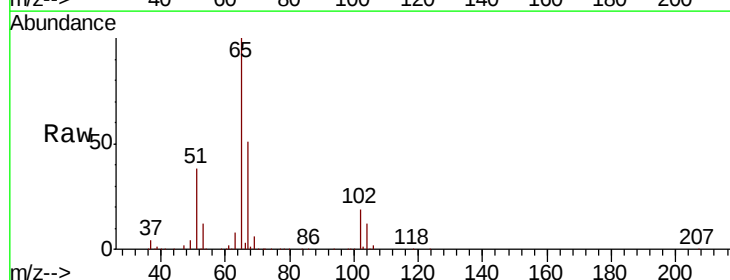
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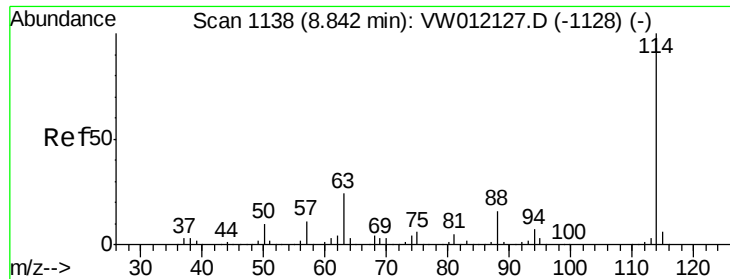
Tgt Ion: 65 Resp: 156569

Ion Ratio Lower Upper

65 100

67 50.5 0.0 102.6

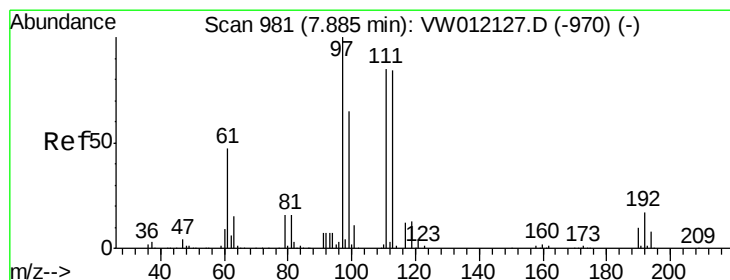
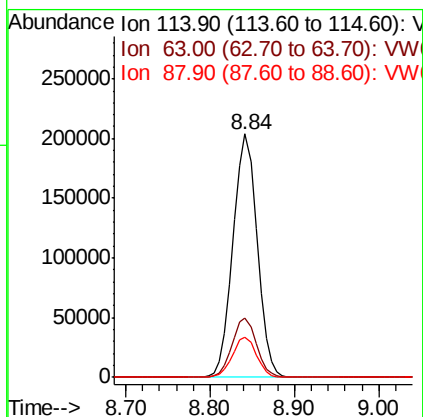
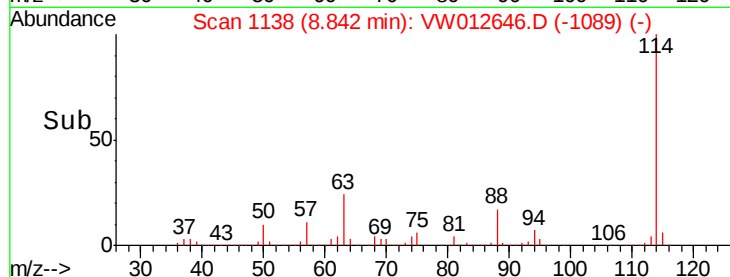
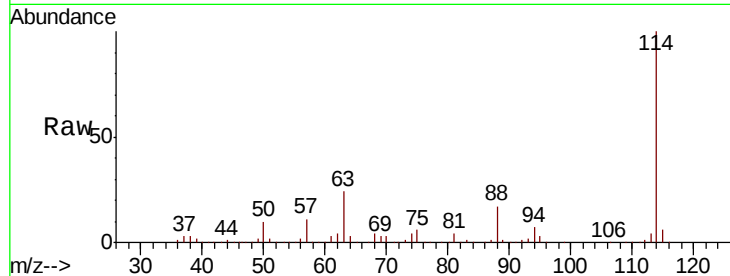




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012646.D
 Acq: 05 Sep 2019 17:37

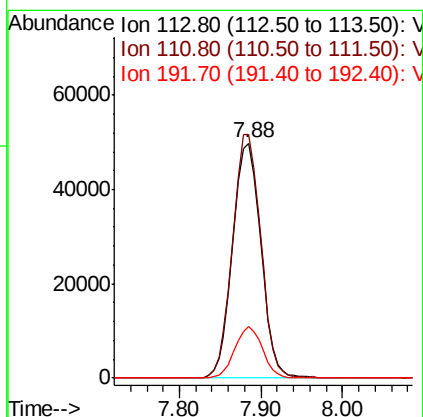
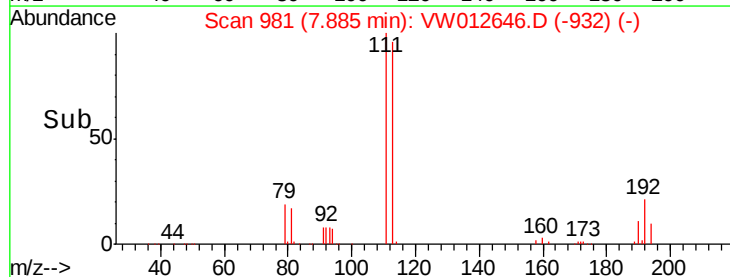
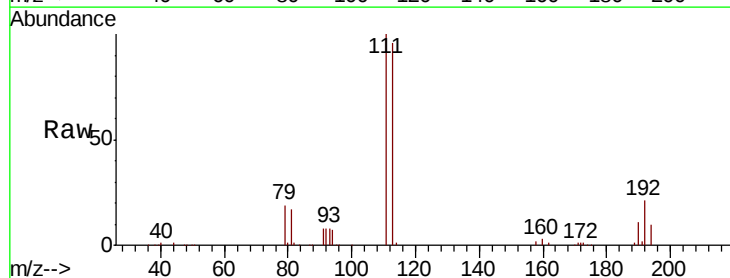
Instrument :
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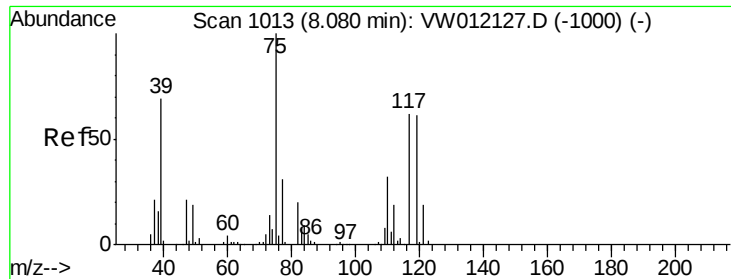
Tgt Ion:114 Resp: 393619
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 48.6
 88 16.5 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 50.911 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012646.D
 Acq: 05 Sep 2019 17:37

Tgt Ion:113 Resp: 119617
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 21.3 16.2 24.2

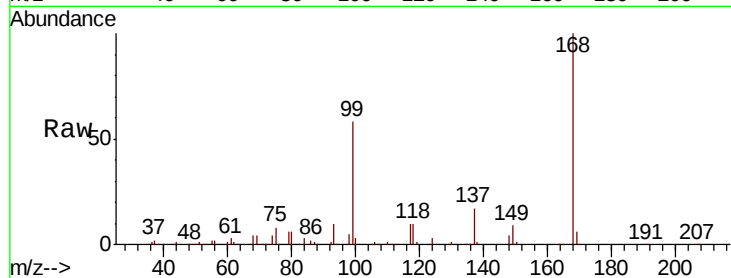




#36
 1,1-Dichloropropene
 Concen: 4.952 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012646.D
 Acq: 05 Sep 2019 17:37

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-2-(0)

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	15.6	46.8#
77	0.0	24.6	36.8#

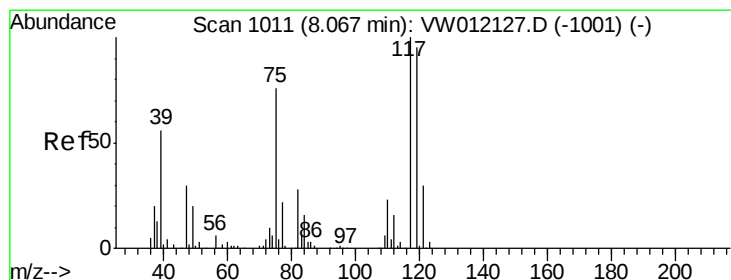
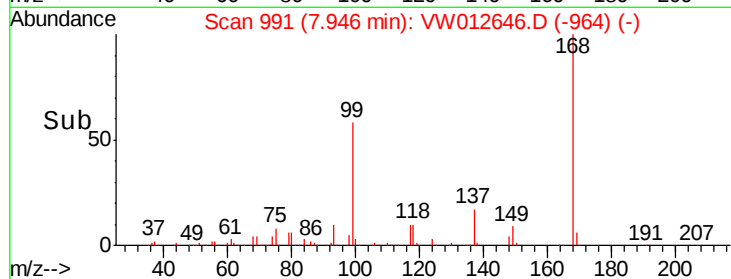
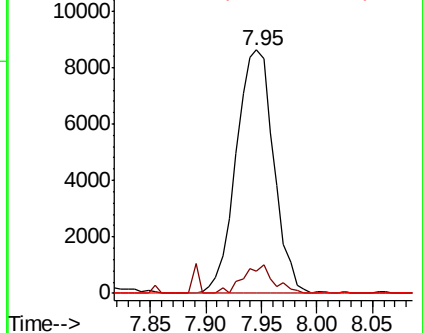


Abundance

Ion 74.90 (74.60 to 75.60): VW

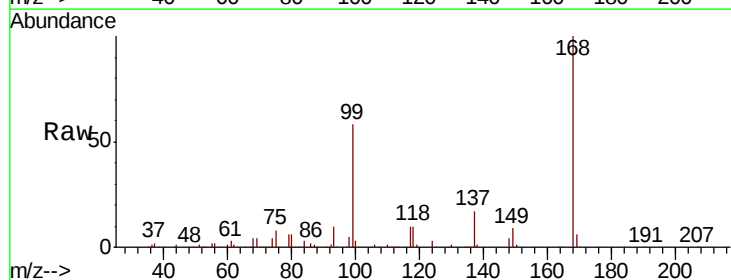
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38
 Carbon Tetrachloride
 Concen: 6.818 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012646.D
 Acq: 05 Sep 2019 17:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.2	114.2#
121	0.0	23.8	35.8#

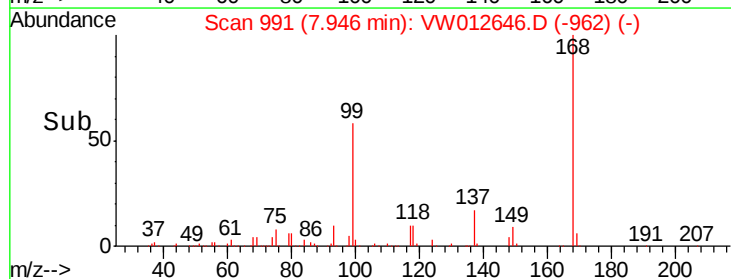
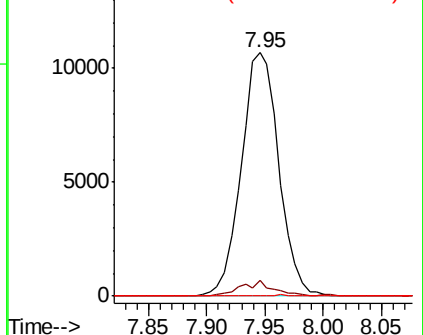


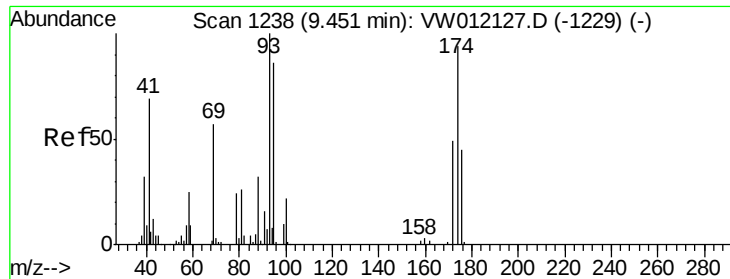
Abundance

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

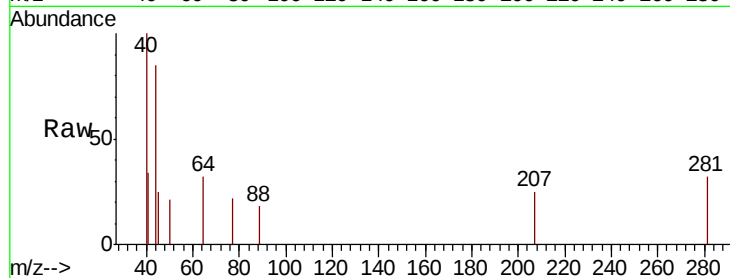




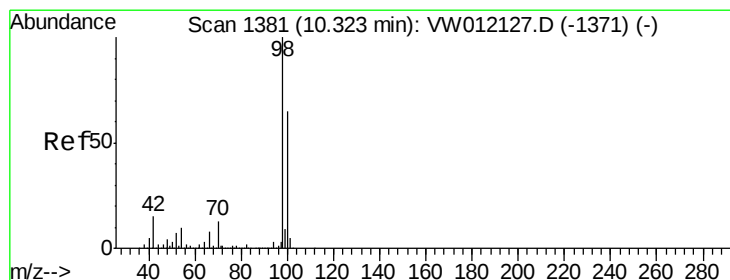
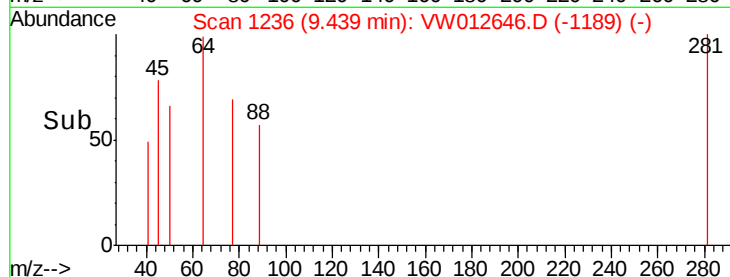
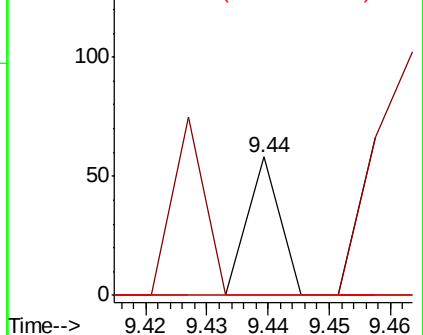
#49
 1,4-Dioxane
 Concen: 1.031 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: VW012646.D
 Acq: 05 Sep 2019 17:37

Instrument :
 MSVOA_W
 ClientSampled :
 T12-2-(0)

Tgt Ion: 88 Resp: 21
 Ion Ratio Lower Upper
 88 100
 43 128.6 32.9 49.3#
 58 0.0 71.0 106.4#

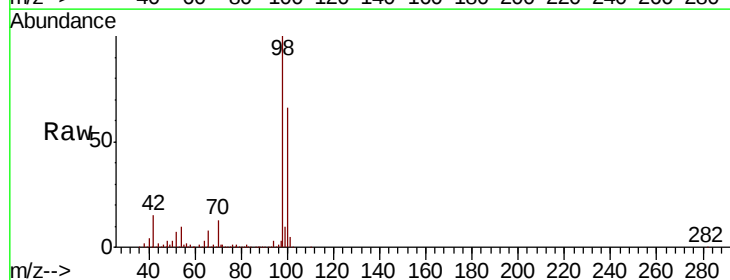


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

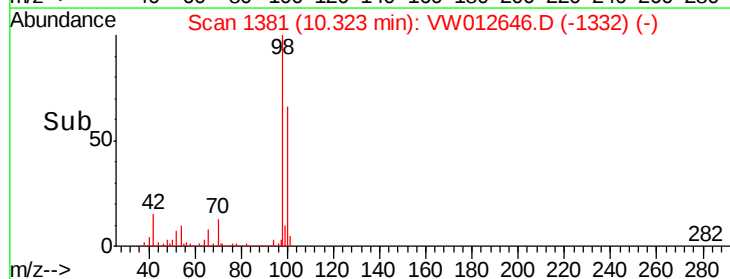
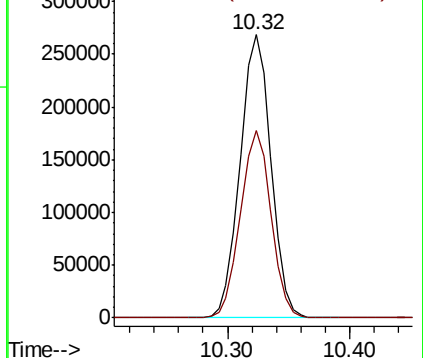


#50
 Toluene-d8
 Concen: 49.473 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW012646.D
 Acq: 05 Sep 2019 17:37

Tgt Ion: 98 Resp: 471310
 Ion Ratio Lower Upper
 98 100
 100 65.6 52.4 78.6



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

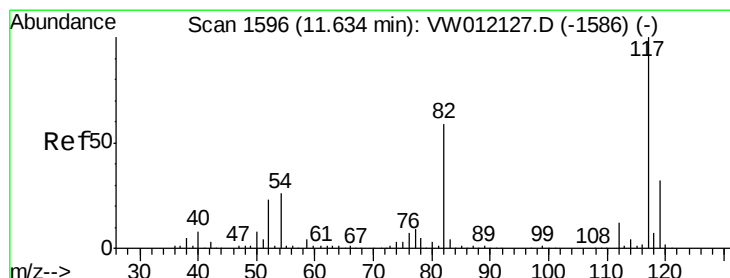
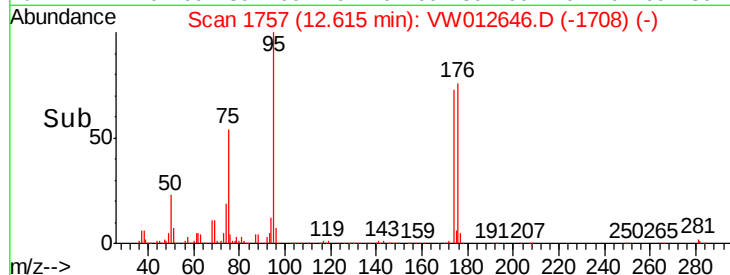
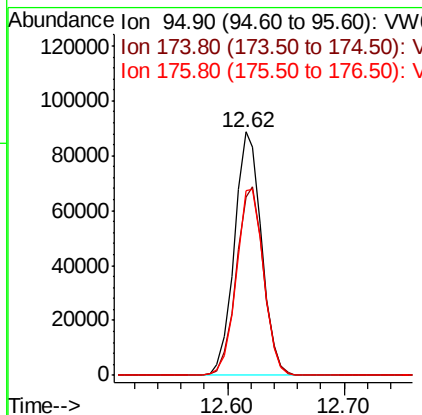
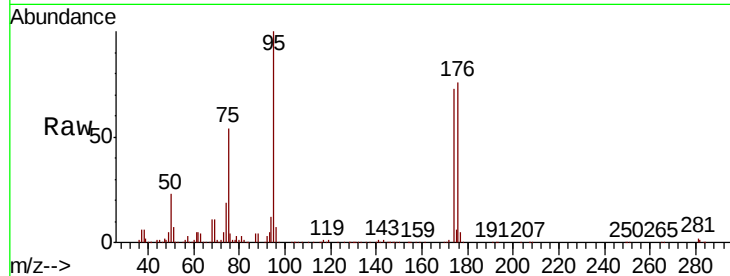




#62
4-Bromofluorobenzene
Concen: 42.866 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012646.D
Acq: 05 Sep 2019 17:37

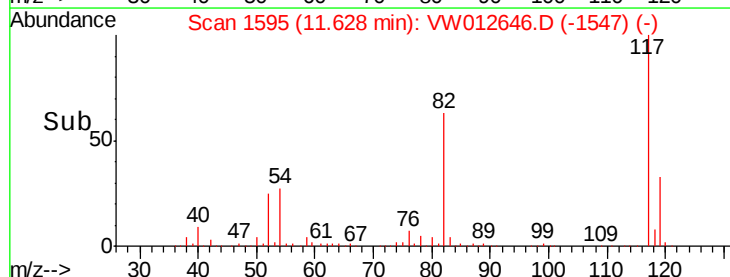
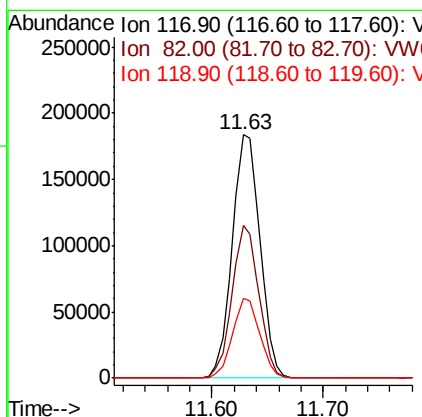
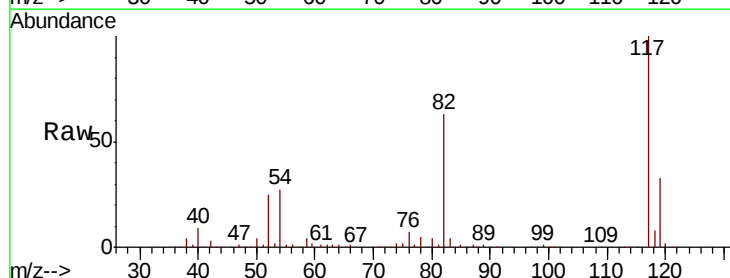
Instrument :
MSVOA_W
ClientSampleId :
T12-2-(0)

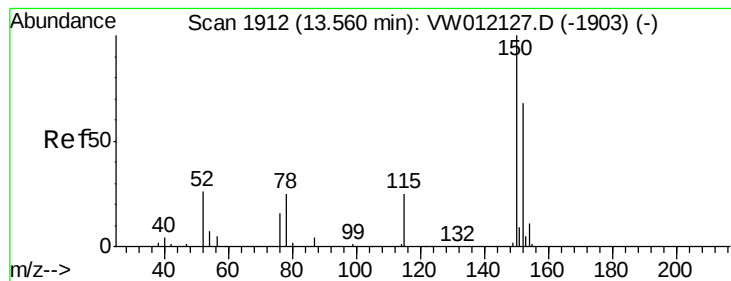
Tgt Ion: 95 Resp: 143948
Ion Ratio Lower Upper
95 100
174 77.8 0.0 150.8
176 76.8 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012646.D
Acq: 05 Sep 2019 17:37

Tgt Ion: 117 Resp: 317558
Ion Ratio Lower Upper
117 100
82 62.8 47.4 71.2
119 32.9 25.4 38.2

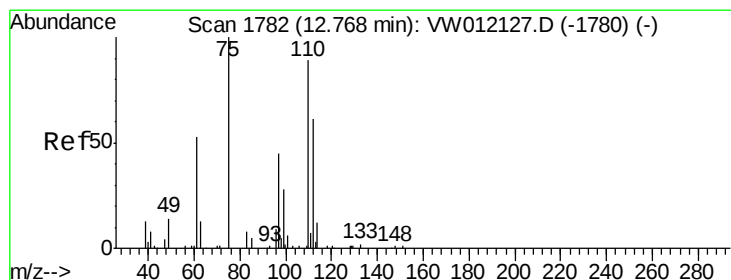
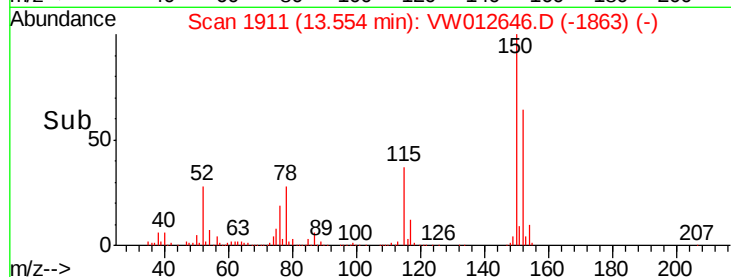
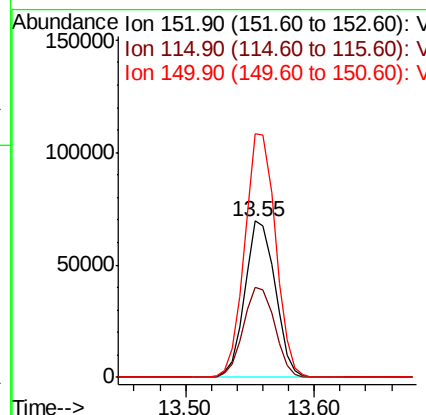
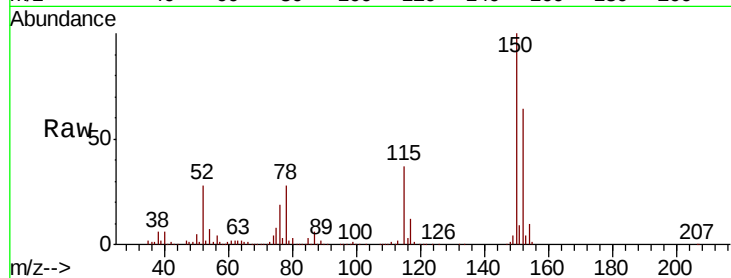




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW012646.D
 Acq: 05 Sep 2019 17:37

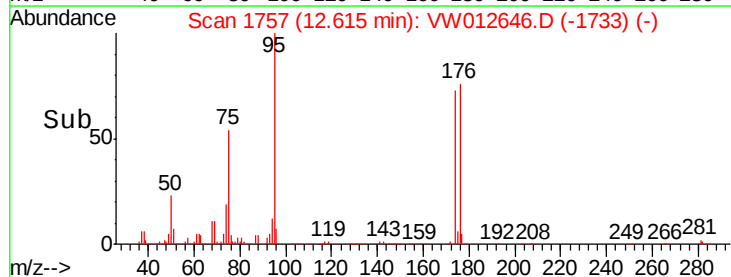
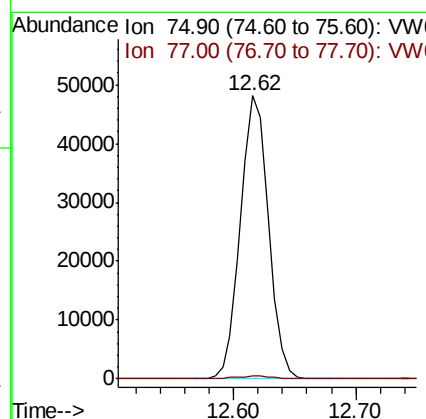
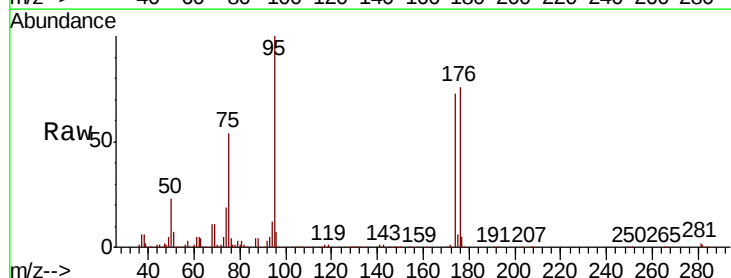
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-2-(0)

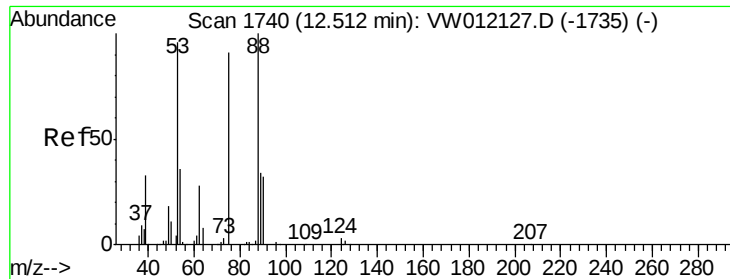
Tgt Ion:152 Resp: 113253
 Ion Ratio Lower Upper
 152 100
 115 59.5 30.1 90.3
 150 157.8 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 69.287 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012646.D
 Acq: 05 Sep 2019 17:37

Tgt Ion: 75 Resp: 76424
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 151.915 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012646.D

Acq: 05 Sep 2019 17:37

Instrument :

MSVOA_W

ClientSampleId :

T12-2-(0)

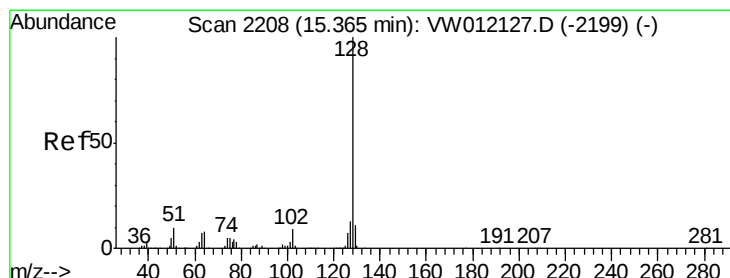
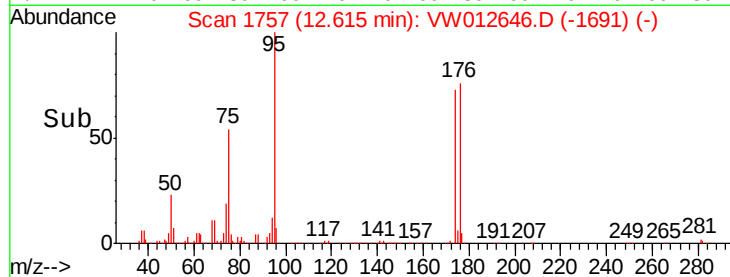
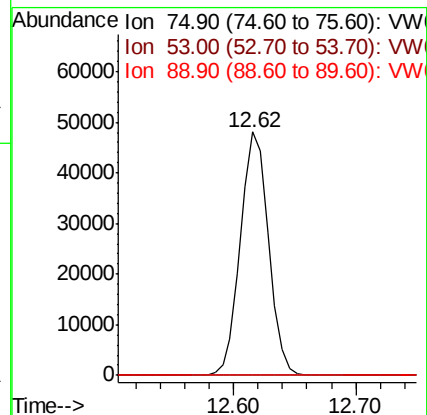
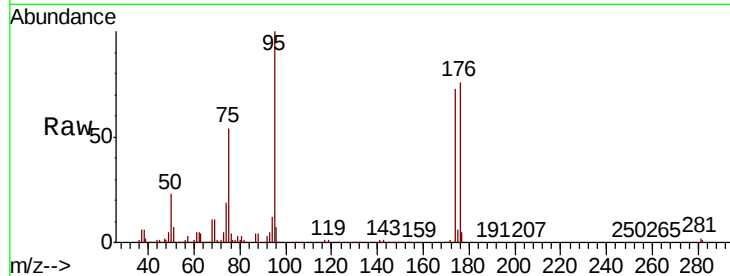
Tgt Ion: 75 Resp: 76424

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#



#95

Naphthalene

Concen: 4.431 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012646.D

Acq: 05 Sep 2019 17:37

Tgt Ion: 128 Resp: 515

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

129 0.0 8.7 13.1#

