

Data File : VW012706.D
Acq On : 06 Sep 2019 22:32
Operator : SY/VA
Sample : K4581-19
Misc : 3.64G/5ML/MSVOA_W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-D4-(3.5)

Quant Time: Sep 07 04:44:11 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	238586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	363823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98216	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137420	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.88	113	108062	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	10.32	98	419442	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
62) 4-Bromofluorobenzene	12.62	95	120352	38.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.54%	

Target Compounds

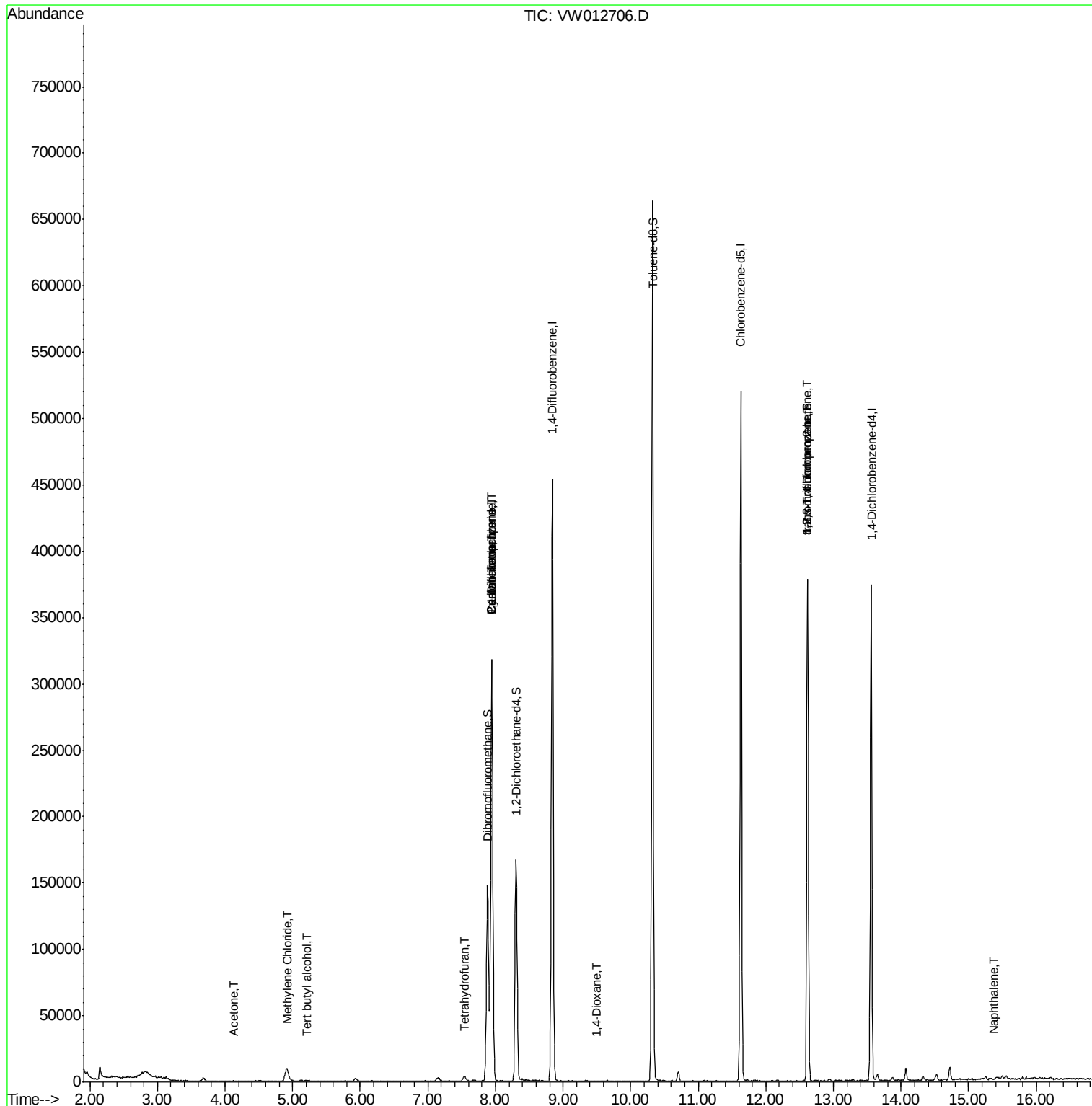
						Qvalue
11) Tert butyl alcohol	5.21	59	636	3.726	ug/l #	86
16) Acetone	4.14	43	905	1.248	ug/l #	45
20) Methylene Chloride	4.92	84	7240	2.642	ug/l	97
29) Tetrahydrofuran	7.54	42	3472	5.874	ug/l	92
31) Cyclohexane	7.94	56	5210	1.020	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18791	4.998	ug/l #	54
38) Carbon Tetrachloride	7.95	117	23169	7.120	ug/l #	16
49) 1,4-Dioxane	9.51	88	30	1.594	ug/l #	24
76) 1,2,3-Trichloropropane	12.62	75	63963	66.868	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63963	146.611	ug/l #	6
95) Naphthalene	15.37	128	321	4.400	ug/l #	69

(#) = 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# 991

Delta R.T. -0.00 min

Lab File: VW012706.D

Acq: 06 Sep 2019 22:32

Instrument :

MSVOA_W

ClientSampleId :

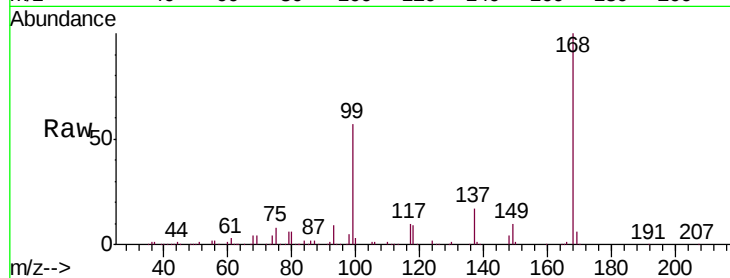
T12-D4-(3.5)

Tgt Ion:168 Resp: 238586

Ion Ratio Lower Upper

168 100

99 57.4 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

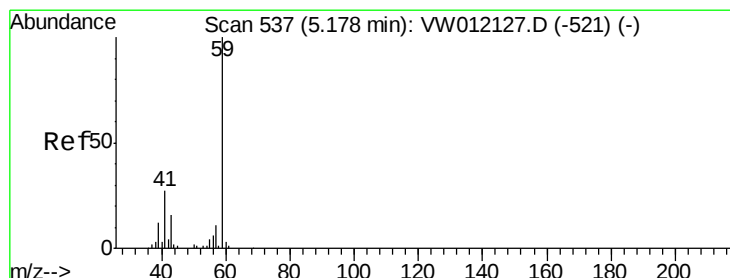
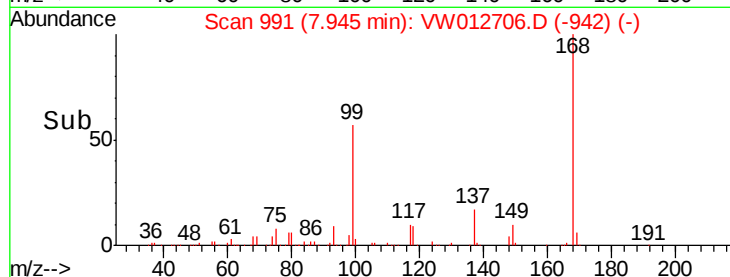
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.726 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.03 min

Lab File: VW012706.D

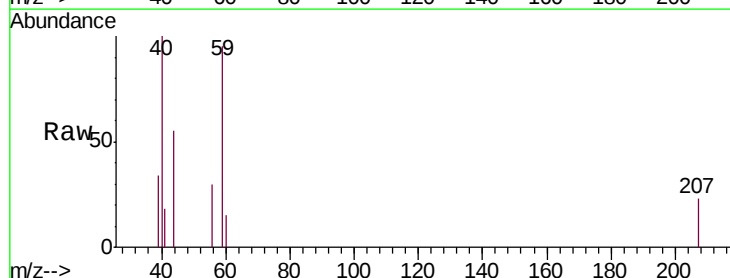
Acq: 06 Sep 2019 22:32

Tgt Ion: 59 Resp: 636

Ion Ratio Lower Upper

59 100

57 5.8 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

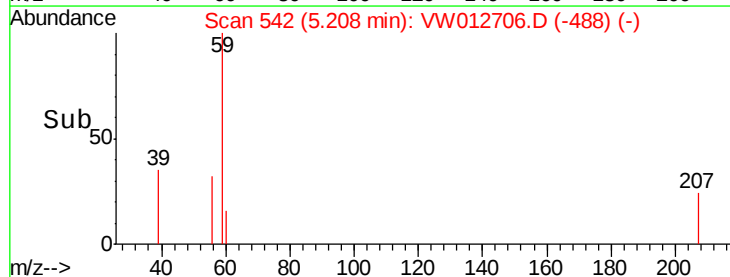
300

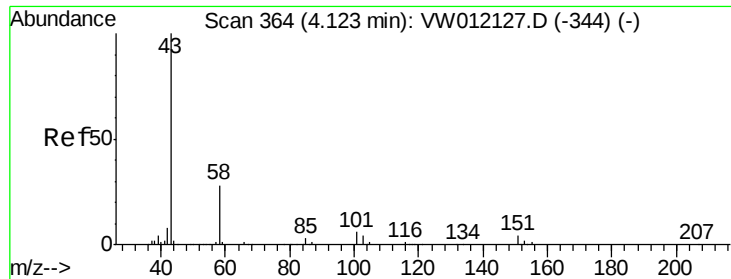
200

100

0

Time-->

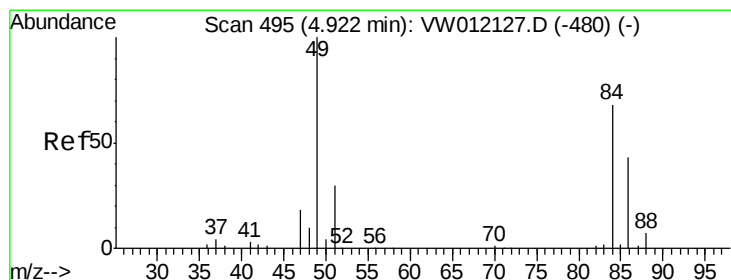
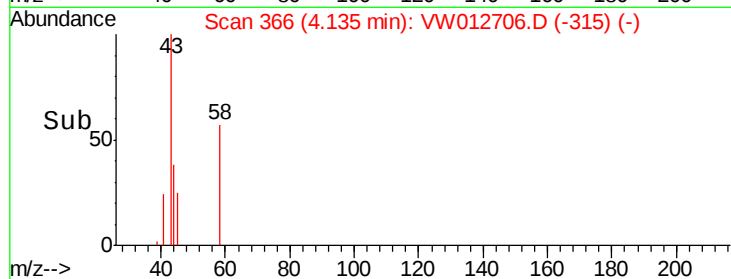
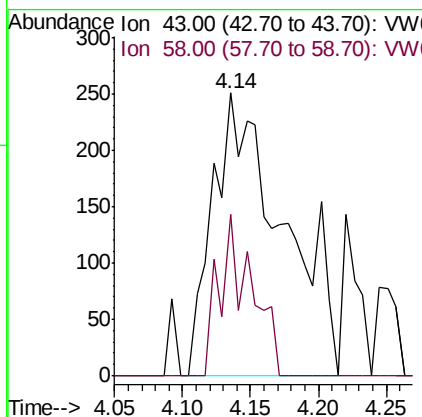
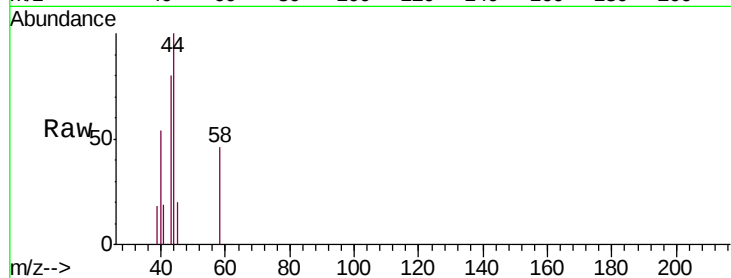




#16
Acetone
Concen: 1.248 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012706.D
Acq: 06 Sep 2019 22:32

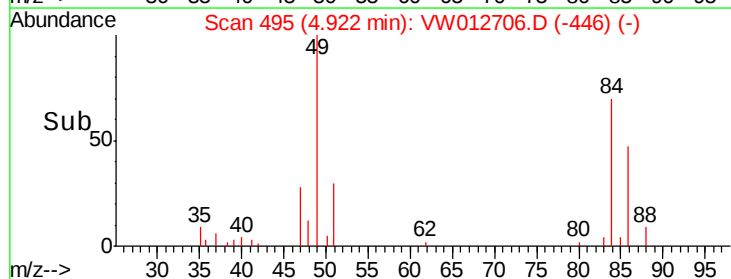
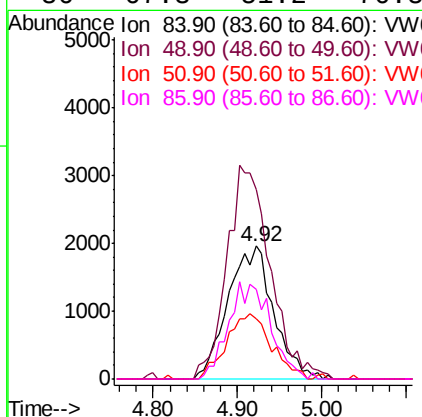
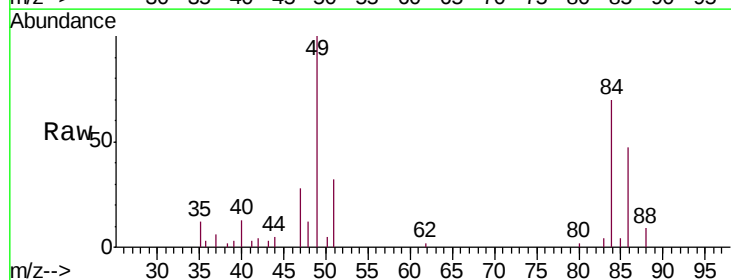
Instrument :
MSVOA_W
ClientSampleId :
T12-D4-(3.5)

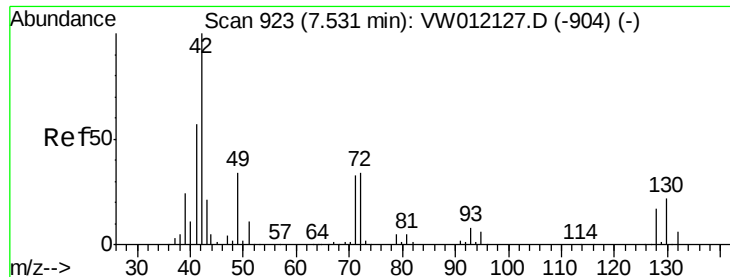
Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
58 57.0 22.4 33.6#



#20
Methylene Chloride
Concen: 2.642 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012706.D
Acq: 06 Sep 2019 22:32

Tgt Ion: 84 Resp: 7240
Ion Ratio Lower Upper
84 100
49 142.9 117.8 176.8
51 45.7 35.6 53.4
86 67.3 51.2 76.8





#29

Tetrahydrofuran

Concen: 5.874 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012706.D

Acq: 06 Sep 2019 22:32

Instrument :

MSVOA_W

ClientSampled :

T12-D4-(3.5)

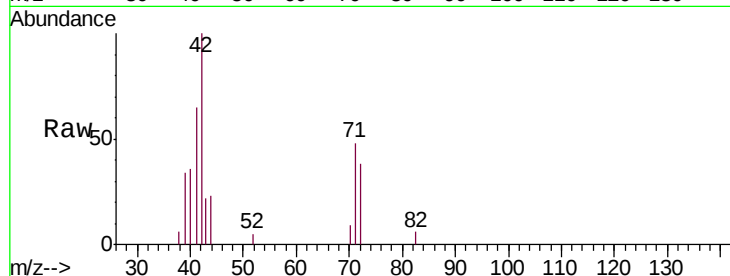
Tgt Ion: 42 Resp: 3472

Ion Ratio Lower Upper

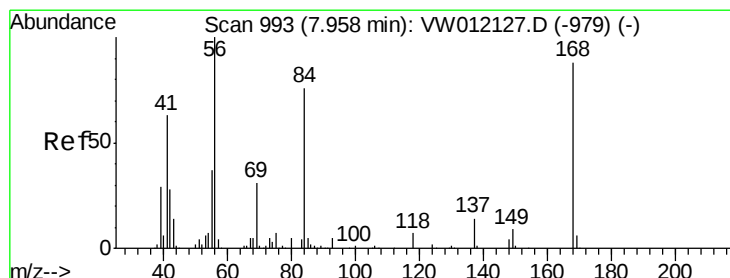
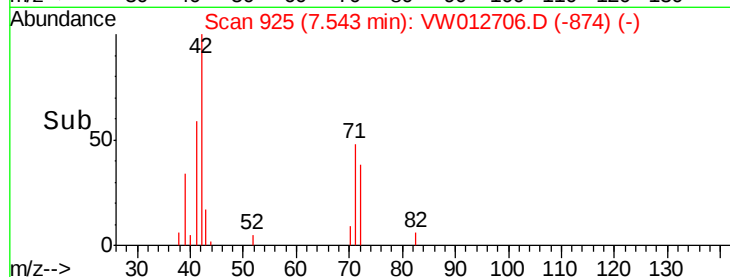
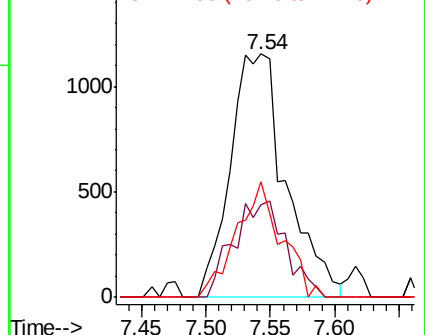
42 100

72 37.1 27.3 40.9

71 38.0 25.5 38.3



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: 1.020 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012706.D

Acq: 06 Sep 2019 22:32

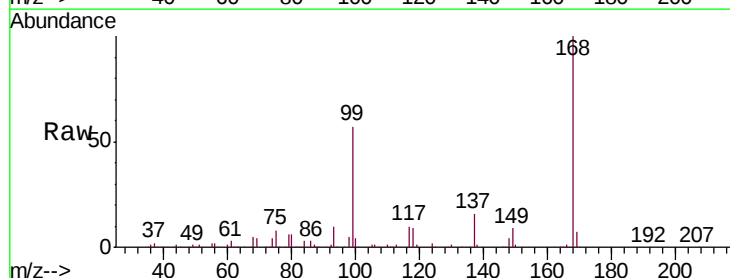
Tgt Ion: 56 Resp: 5210

Ion Ratio Lower Upper

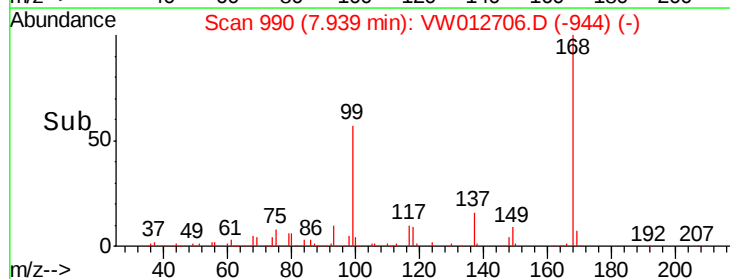
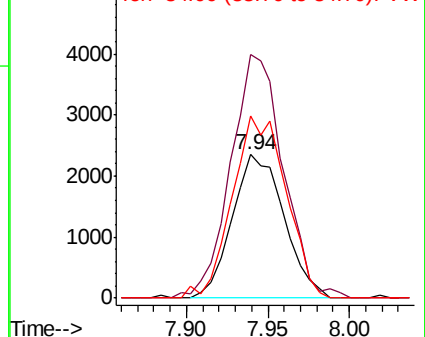
56 100

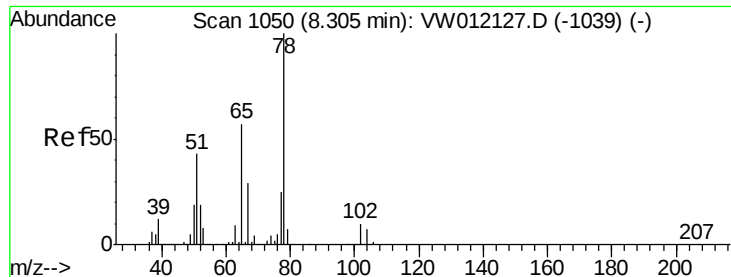
69 166.9 24.9 37.3#

84 127.5 60.6 90.8#



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

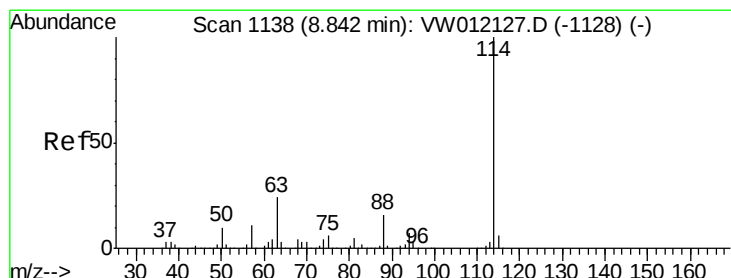
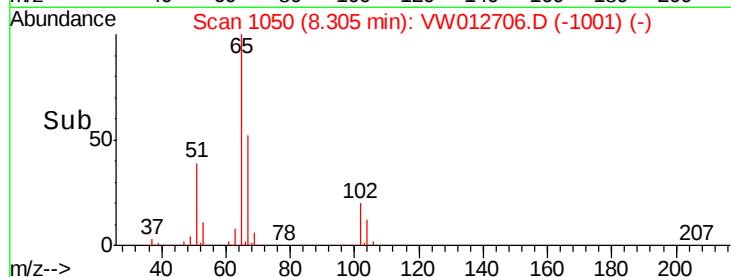
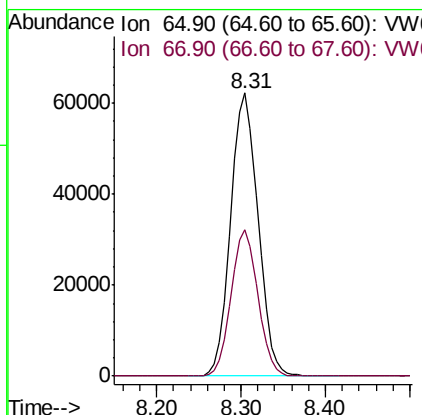
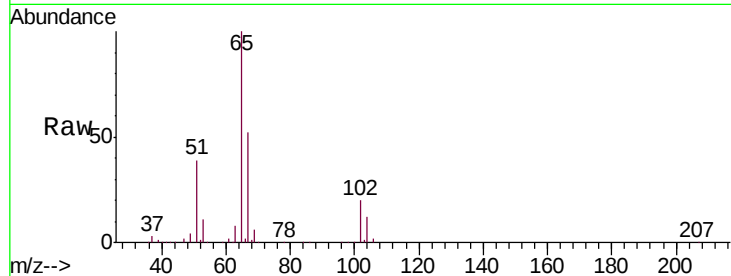




#33
 1,2-Dichloroethane-d4
 Concen: 48.452 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012706.D
 Acq: 06 Sep 2019 22:32

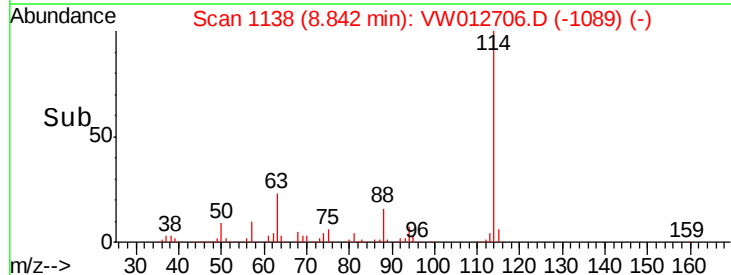
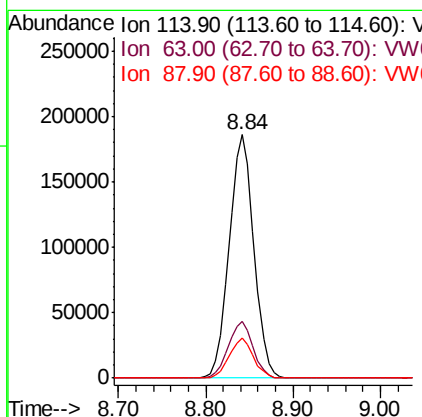
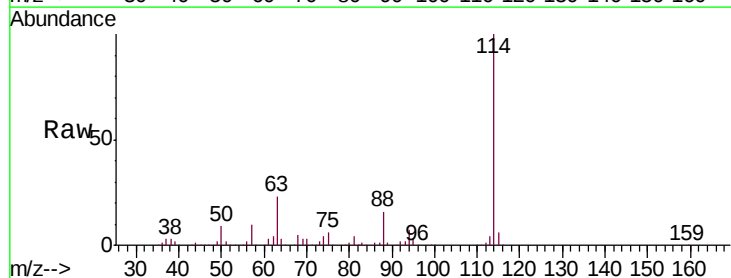
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D4-(3.5)

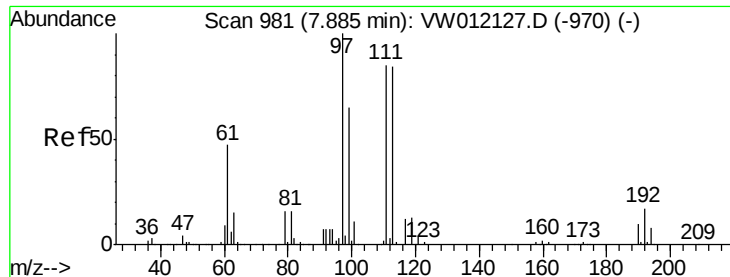
Tgt Ion: 65 Resp: 137420
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012706.D
 Acq: 06 Sep 2019 22:32

Tgt Ion: 114 Resp: 363823
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 48.6
 88 16.2 0.0 32.2

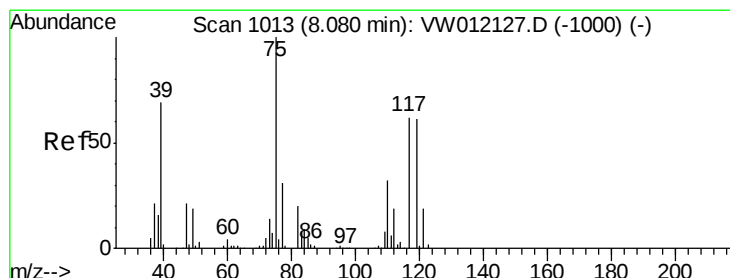
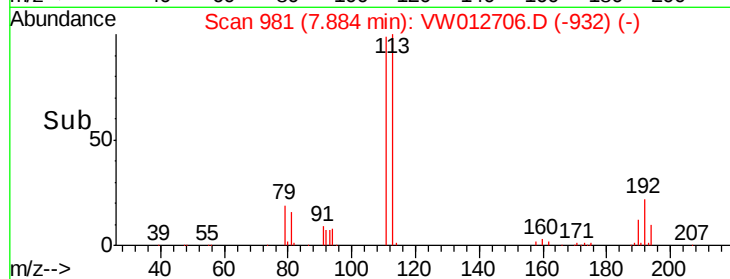
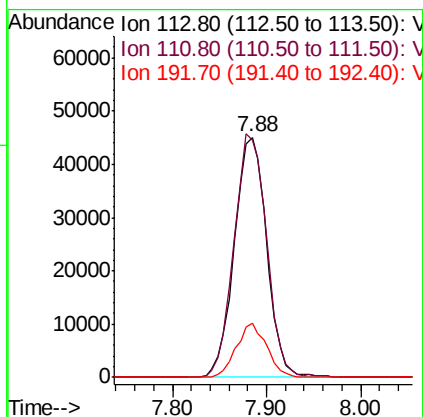
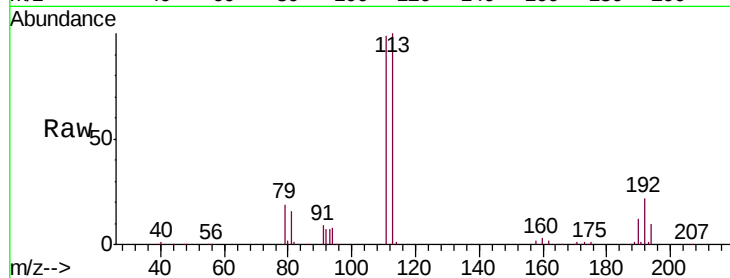




#35
 Dibromofluoromethane
 Concen: 49.760 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012706.D
 Acq: 06 Sep 2019 22:32

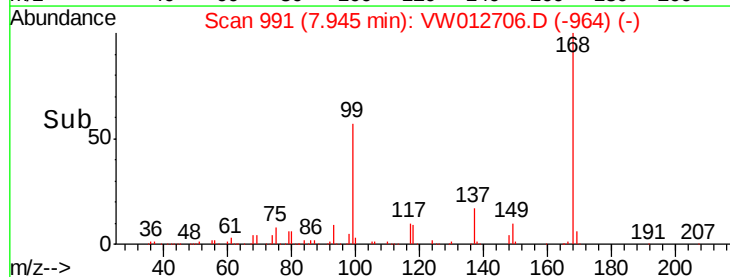
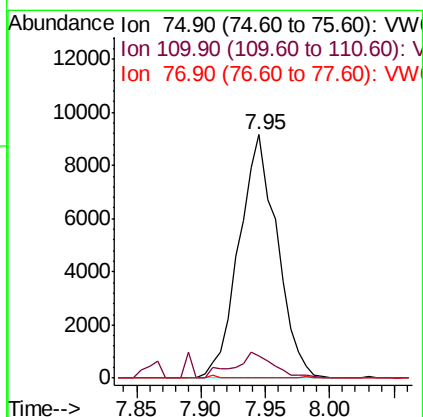
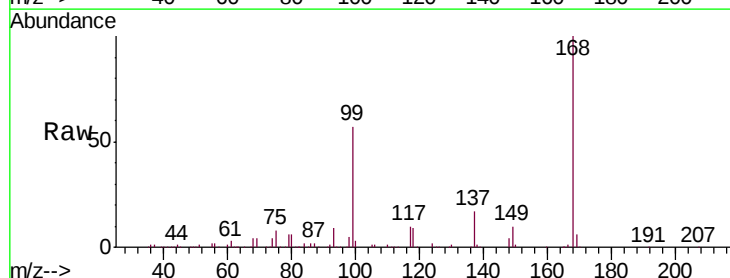
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D4-(3.5)

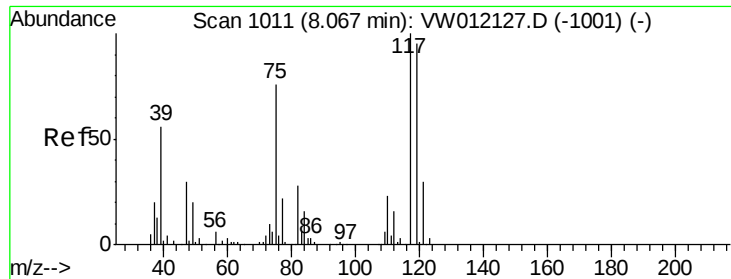
Tgt Ion:113 Resp: 108062
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 21.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.998 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012706.D
 Acq: 06 Sep 2019 22:32

Tgt Ion: 75 Resp: 18791
 Ion Ratio Lower Upper
 75 100
 110 10.9 15.6 46.8#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 7.120 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012706.D

Acq: 06 Sep 2019 22:32

Instrument :

MSVOA_W

ClientSampled :

T12-D4-(3.5)

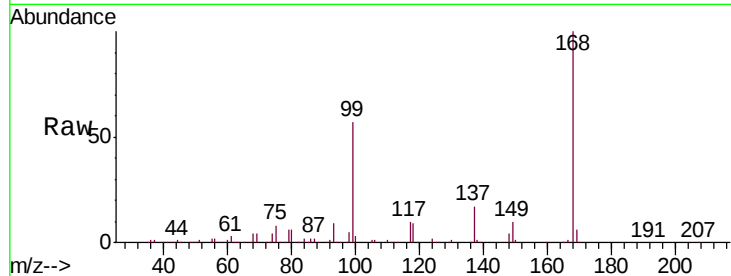
Tgt Ion:117 Resp: 23169

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

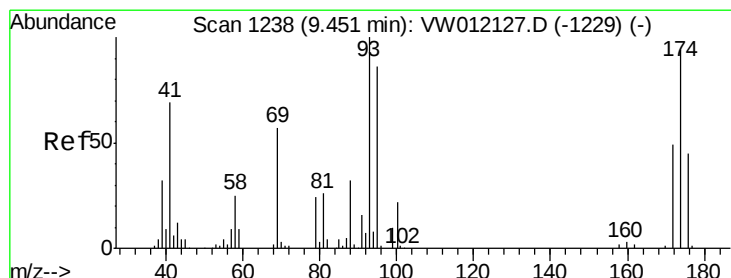
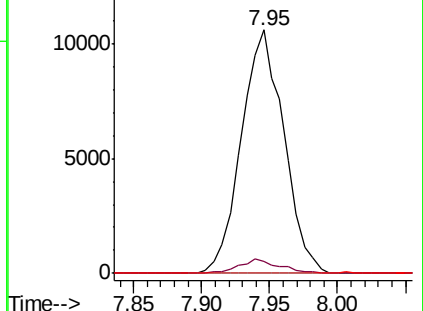
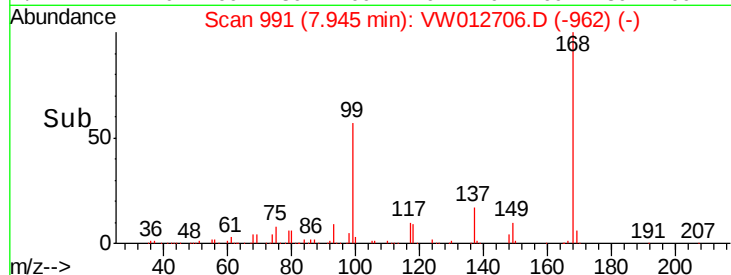
121 0.0 23.8 35.8#



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: 1.594 ug/l

RT: 9.51 min Scan# 1247

Delta R.T. 0.05 min

Lab File: VW012706.D

Acq: 06 Sep 2019 22:32

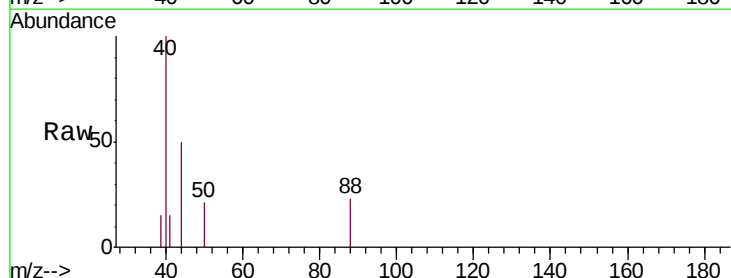
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 63.3 32.9 49.3#

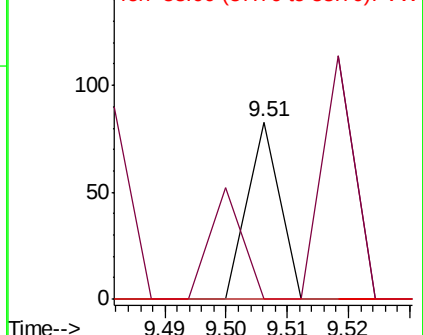
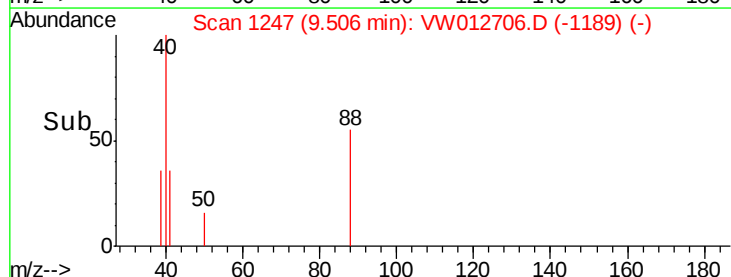
58 0.0 71.0 106.4#

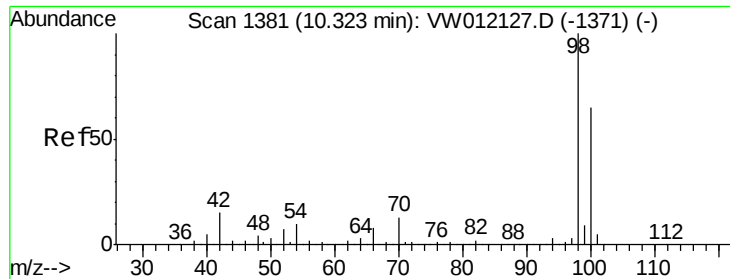


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 47.634 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012706.D

Acq: 06 Sep 2019 22:32

Instrument :

MSVOA_W

ClientSampleId :

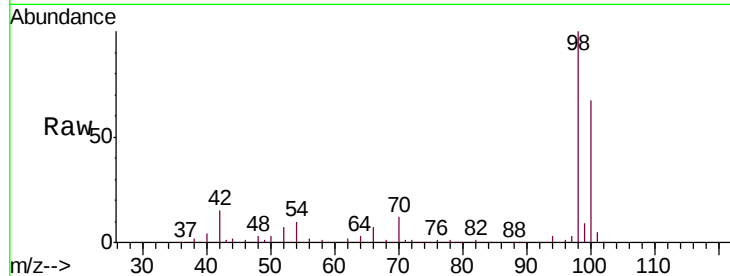
T12-D4-(3.5)

Tgt Ion: 98 Resp: 419442

Ion Ratio Lower Upper

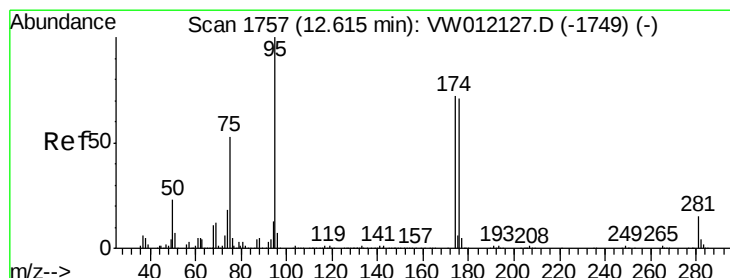
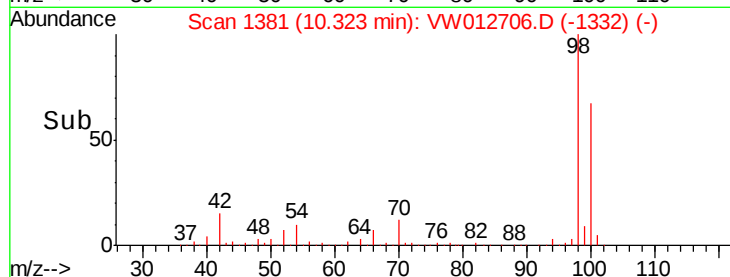
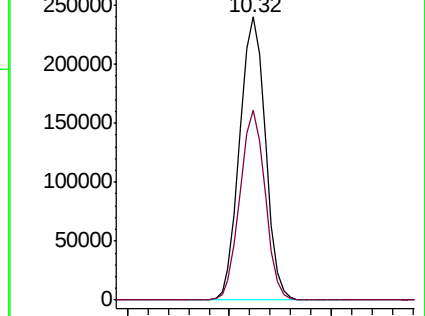
98 100

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: 38.774 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012706.D

Acq: 06 Sep 2019 22:32

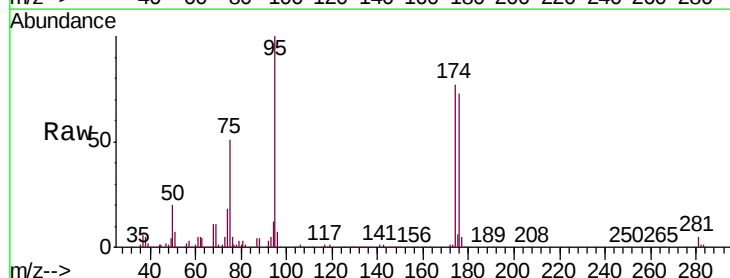
Tgt Ion: 95 Resp: 120352

Ion Ratio Lower Upper

95 100

174 81.7 0.0 150.8

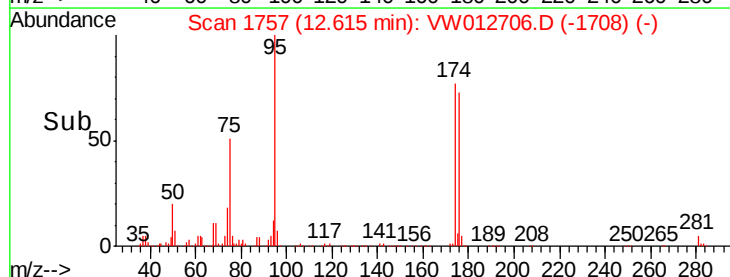
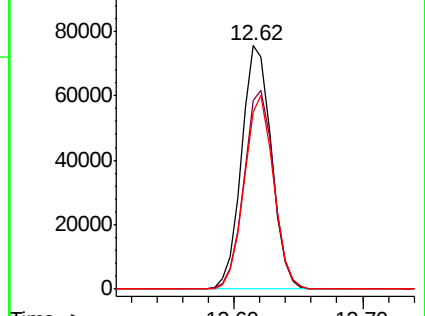
176 78.4 0.0 148.6

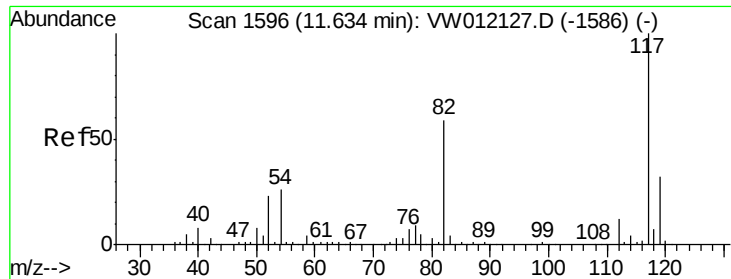


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

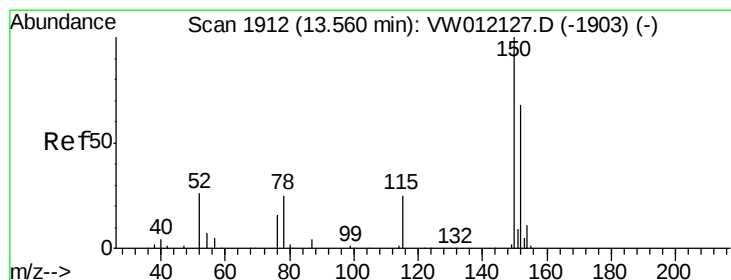
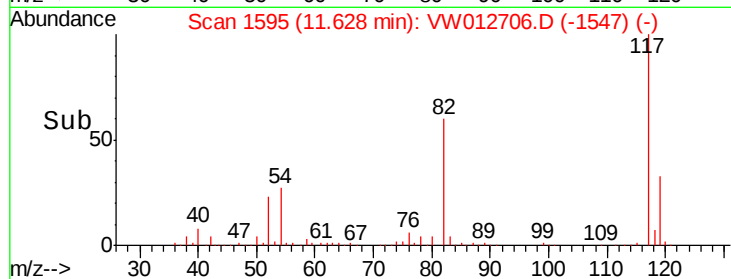
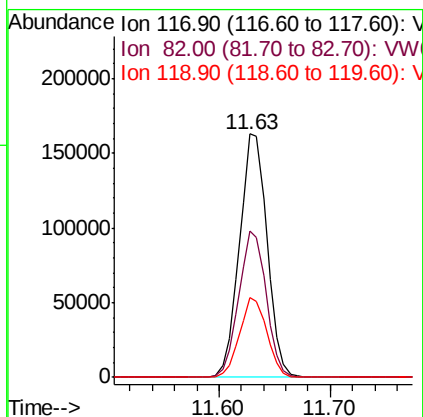
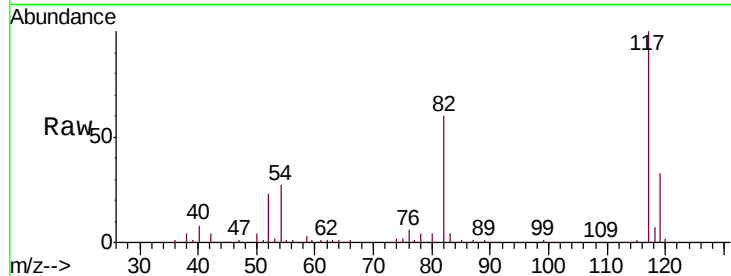




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012706.D
Acq: 06 Sep 2019 22:32

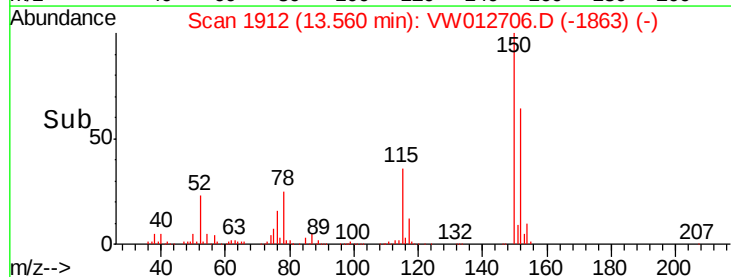
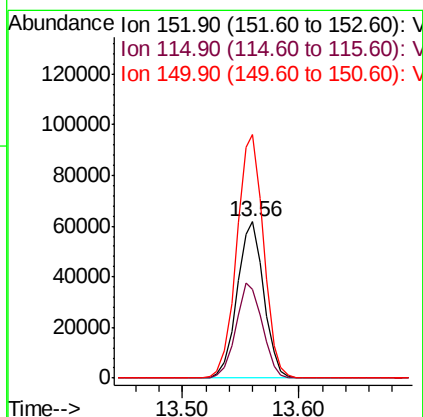
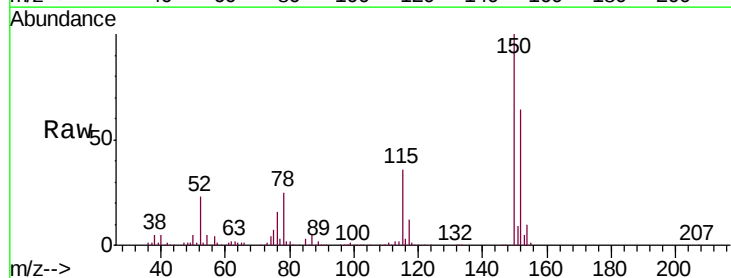
Instrument :
MSVOA_W
ClientSampleId :
T12-D4-(3.5)

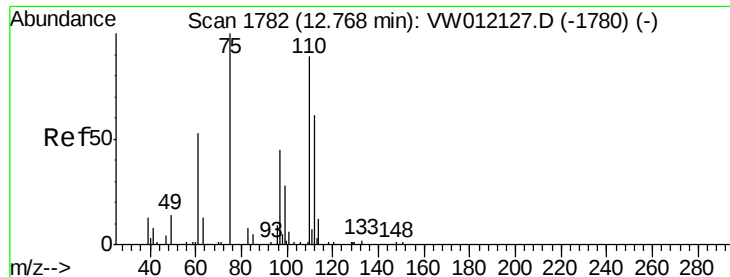
Tgt Ion:117 Resp: 280832
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 32.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012706.D
Acq: 06 Sep 2019 22:32

Tgt Ion:152 Resp: 98216
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.3
150 156.7 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 66.868 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012706.D

Acq: 06 Sep 2019 22:32

Instrument :

MSVOA_W

ClientSampleId :

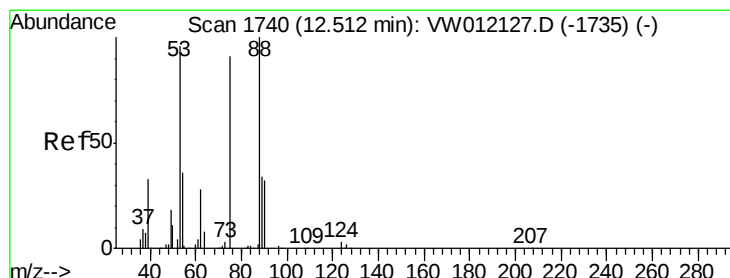
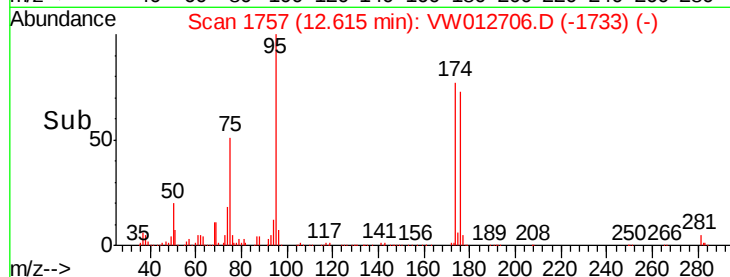
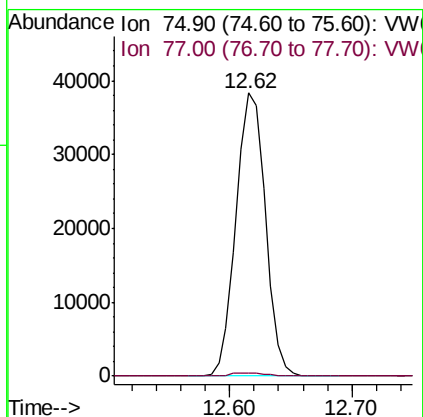
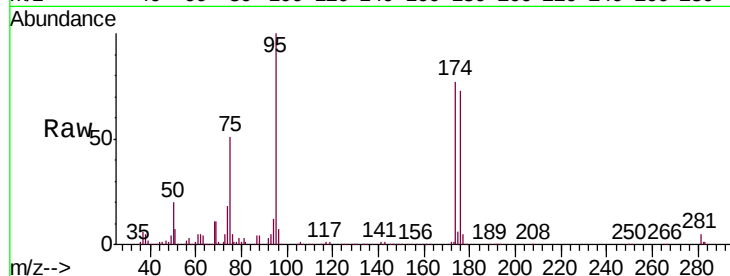
T12-D4-(3.5)

Tgt Ion: 75 Resp: 63963

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 146.611 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012706.D

Acq: 06 Sep 2019 22:32

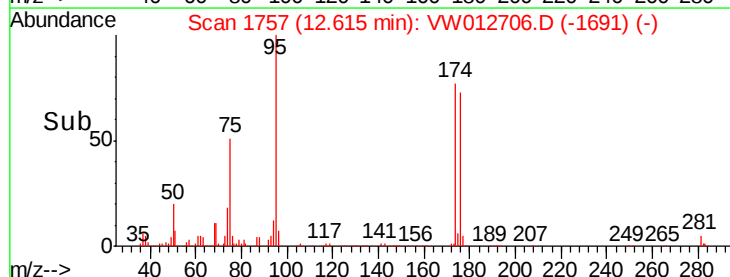
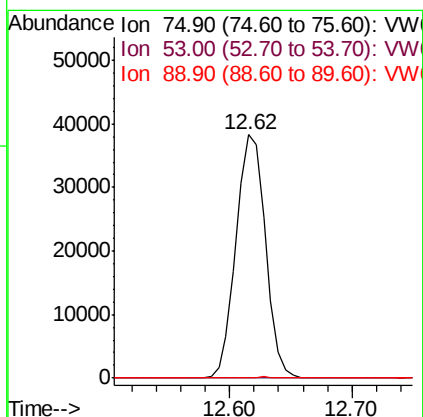
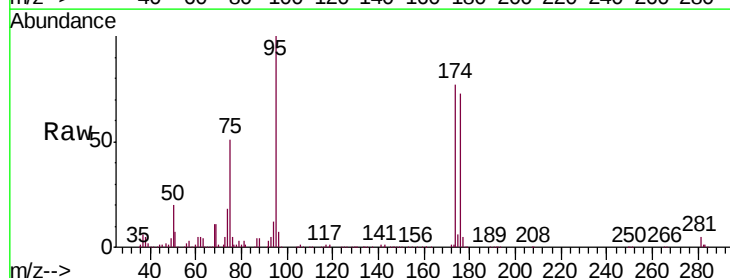
Tgt Ion: 75 Resp: 63963

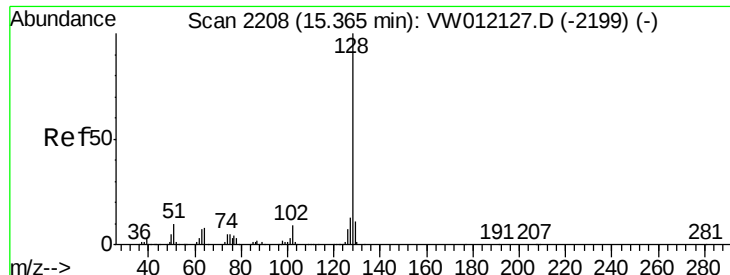
Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.2 34.5 51.7#





#95

Naphthalene

Concen: 4.400 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012706.D

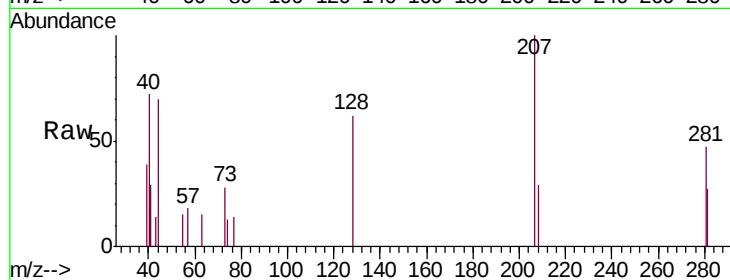
Acq: 06 Sep 2019 22:32

Instrument :

MSVOA_W

ClientSampleId :

T12-D4-(3.5)



Tgt Ion:	128	Resp:	321
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

