

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012448.D
 Acq On : 01 Sep 2019 15:14
 Operator : SY/VA
 Sample : K4517-11
 Misc : 7.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D4-(2.5)

Quant Time: Sep 02 07:18:52 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	201204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	330867	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113411	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	131216	54.86	ug/l	0.00
Spiked Amount			Recovery	=	109.72%	
35) Dibromofluoromethane	7.88	113	102220	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
50) Toluene-d8	10.32	98	409558	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.62	95	127389	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	

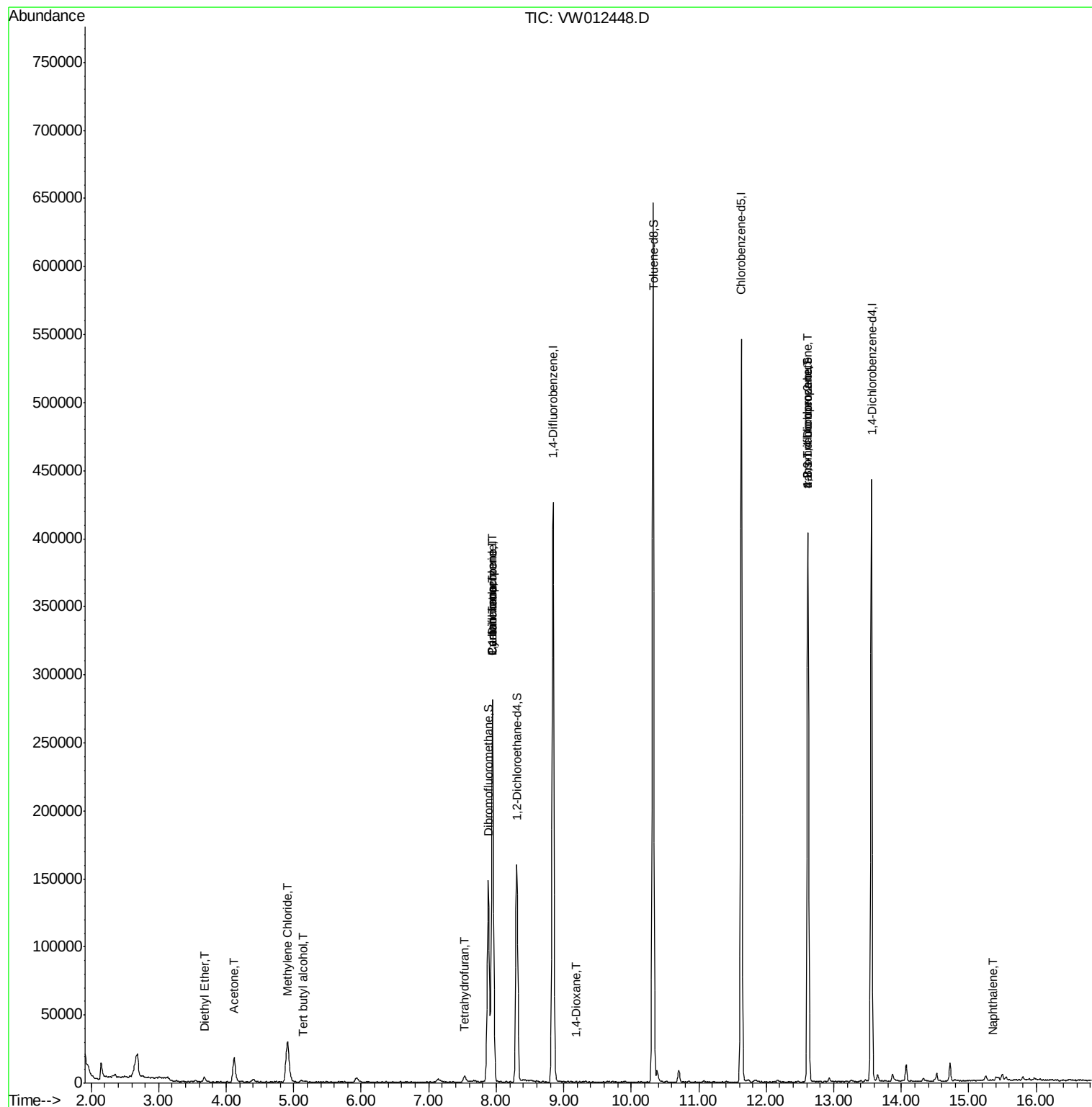
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1793	1.601	ug/l	79
11) Tert butyl alcohol	5.14	59	1735	12.054	ug/l #	75
16) Acetone	4.12	43	31623	51.722	ug/l	99
20) Methylene Chloride	4.92	84	21970	9.505	ug/l	97
29) Tetrahydrofuran	7.53	42	3815	7.654	ug/l	96
31) Cyclohexane	7.95	56	5289	1.228	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	17200	5.031	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20401	6.894	ug/l #	17
49) 1,4-Dioxane	9.18	88	30	1.753	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	70080	63.447	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70080	139.110	ug/l #	6
95) Naphthalene	15.36	128	266	4.378	ug/l #	69

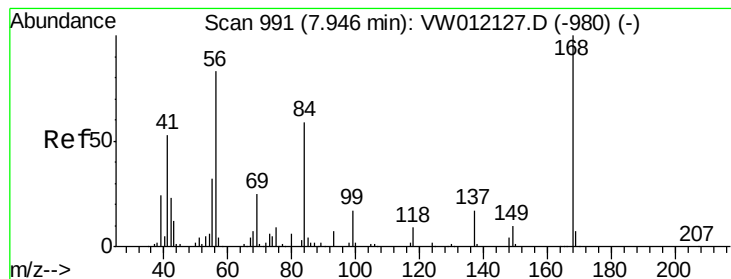
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012448.D

Acq: 01 Sep 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

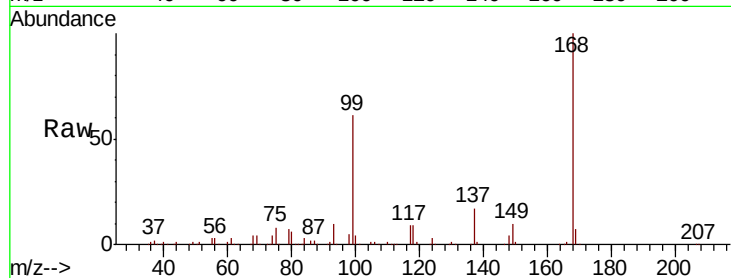
T4-S-D4-(2.5)

Tgt Ion:168 Resp: 201204

Ion Ratio Lower Upper

168 100

99 61.2 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

100000

80000

60000

40000

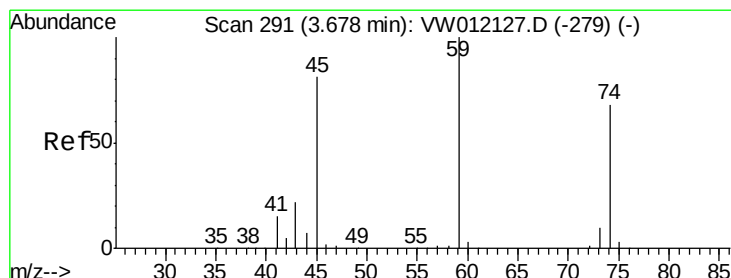
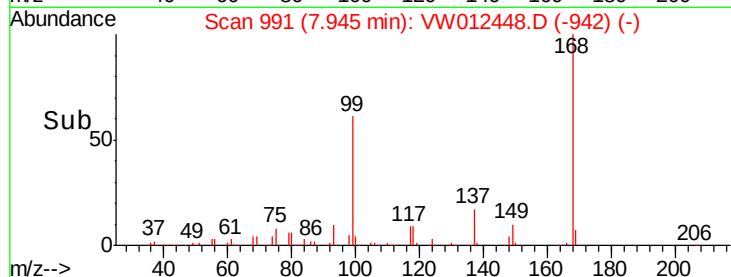
20000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 1.601 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012448.D

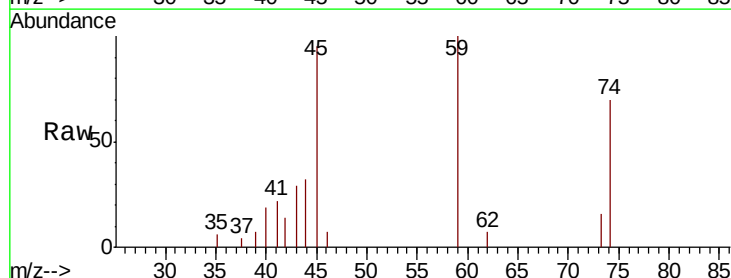
Acq: 01 Sep 2019 15:14

Tgt Ion: 74 Resp: 1793

Ion Ratio Lower Upper

74 100

45 141.6 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

1200

1000

800

600

400

200

0

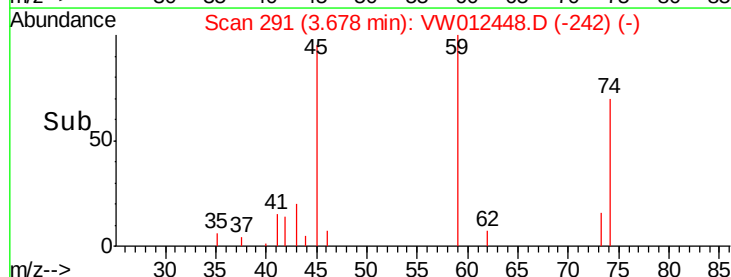
3.60

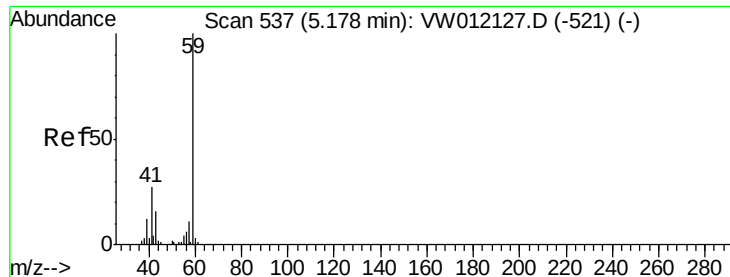
3.65

3.70

3.75

Time-->

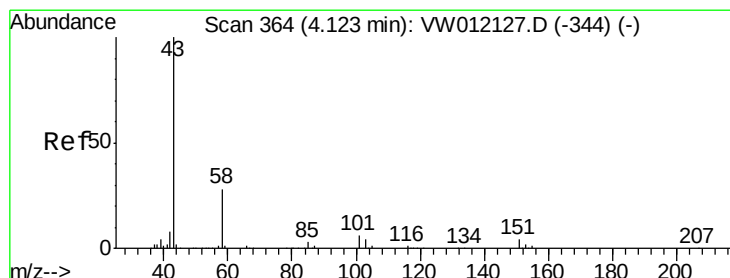
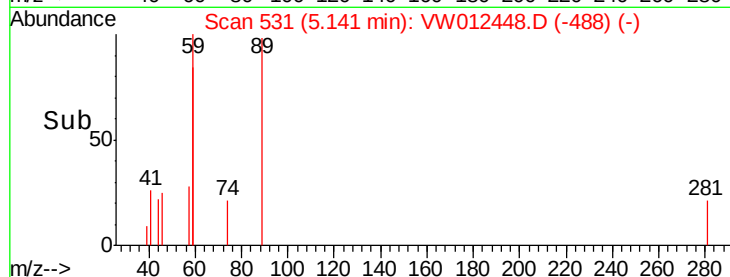
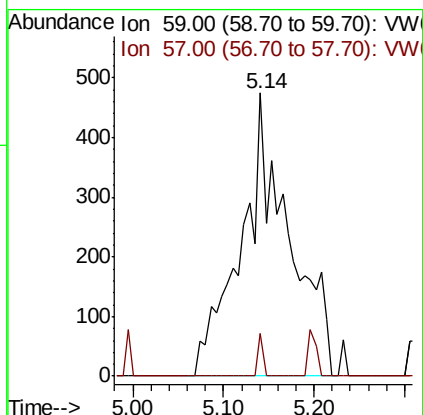
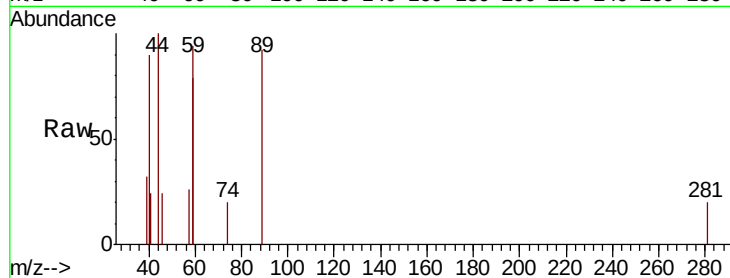




#11
Tert butyl alcohol
Concen: 12.054 ug/l
RT: 5.14 min Scan# 531
Delta R.T. -0.04 min
Lab File: VW012448.D
Acq: 01 Sep 2019 15:14

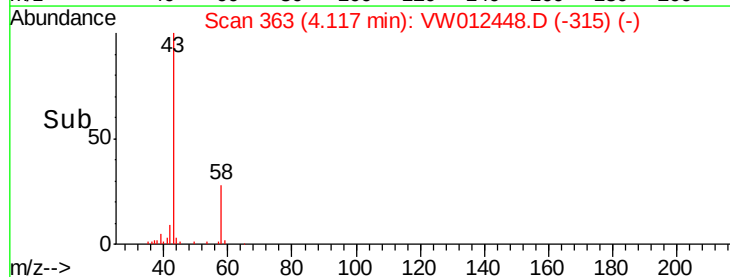
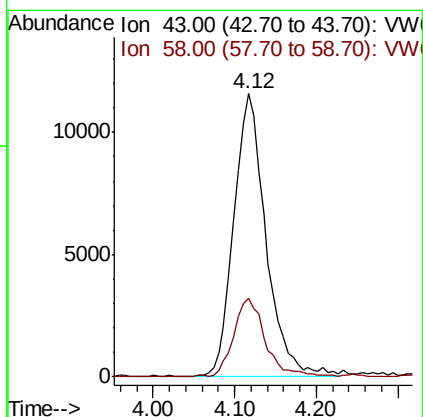
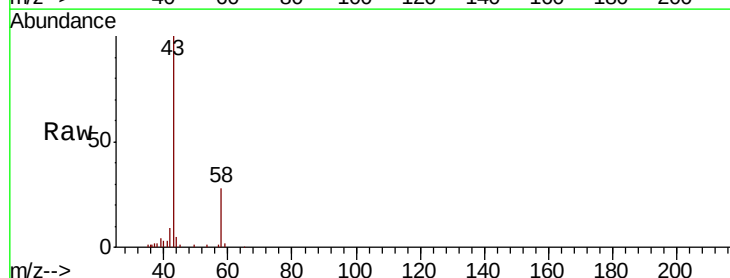
Instrument :
MSVOA_W
ClientSampled :
T4-S-D4-(2.5)

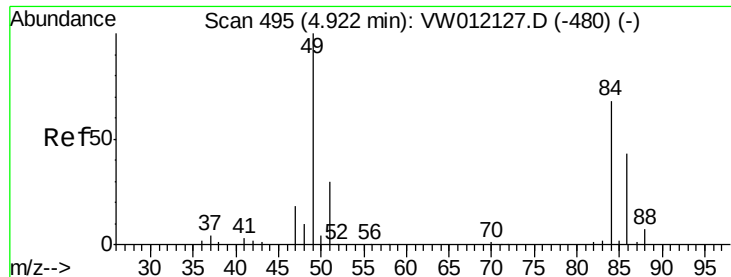
Tgt Ion: 59 Resp: 1735
Ion Ratio Lower Upper
59 100
57 1.5 9.0 13.4#



#16
Acetone
Concen: 51.722 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW012448.D
Acq: 01 Sep 2019 15:14

Tgt Ion: 43 Resp: 31623
Ion Ratio Lower Upper
43 100
58 27.5 22.4 33.6

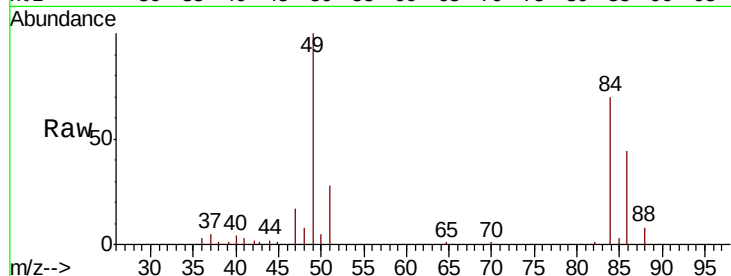




#20
Methylene Chloride
Concen: 9.505 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012448.D
Acq: 01 Sep 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
T4-S-D4-(2.5)

Tgt Ion:	84	Resp:	21970
Ion	Ratio	Lower	Upper
84	100		
49	143.5	117.8	176.8
51	40.8	35.6	53.4
86	63.2	51.2	76.8



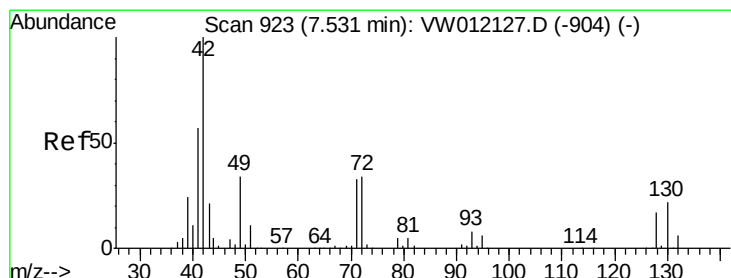
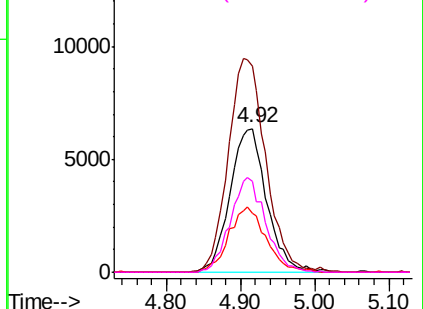
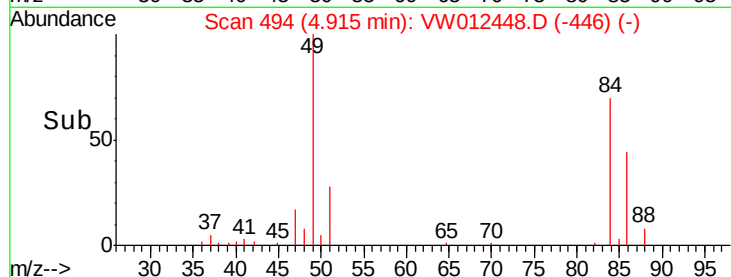
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

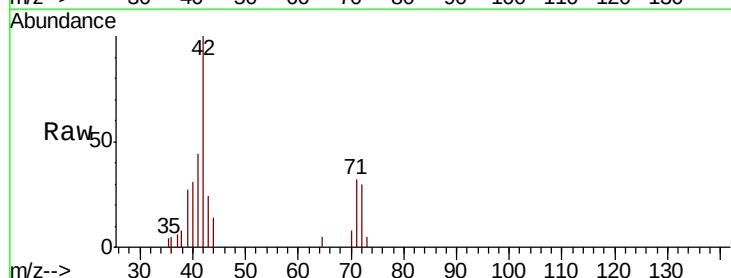
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29
Tetrahydrofuran
Concen: 7.654 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012448.D
Acq: 01 Sep 2019 15:14

Tgt Ion:	42	Resp:	3815
Ion	Ratio	Lower	Upper
42	100		
72	35.8	27.3	40.9
71	34.5	25.5	38.3

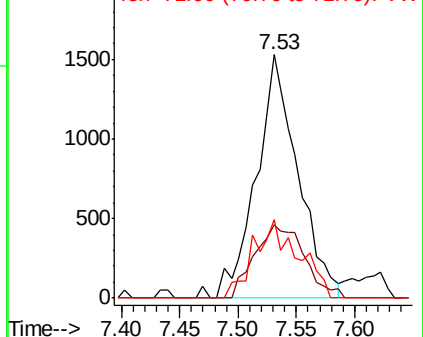
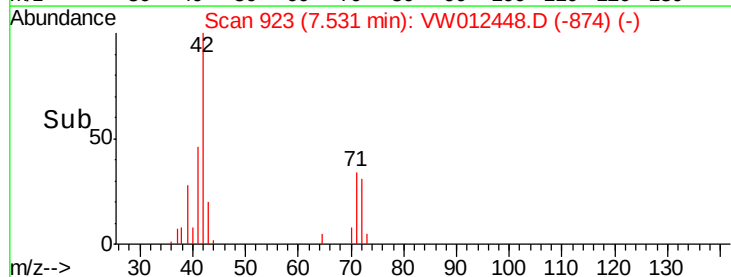


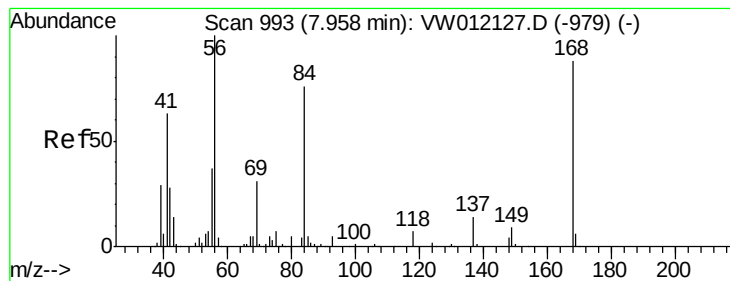
Abundance

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: 1.228 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012448.D

Acq: 01 Sep 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D4-(2.5)

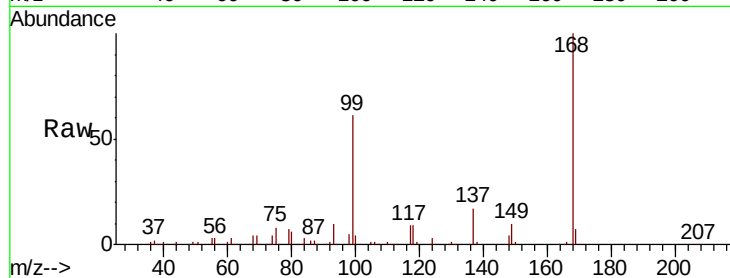
Tgt Ion: 56 Resp: 5289

Ion Ratio Lower Upper

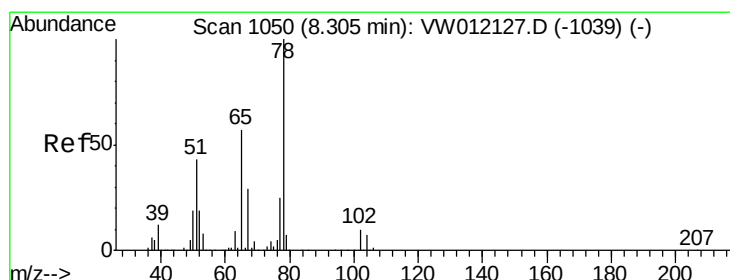
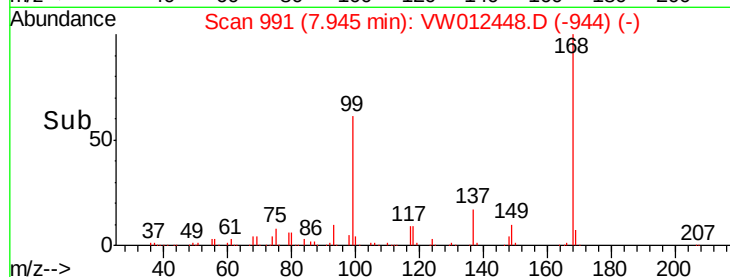
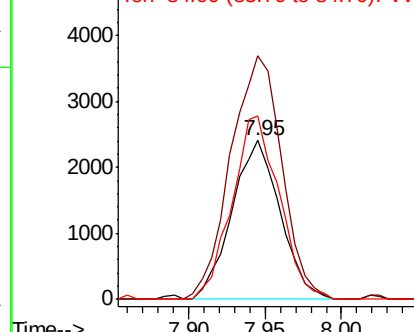
56 100

69 153.4 24.9 37.3#

84 115.2 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: 54.860 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012448.D

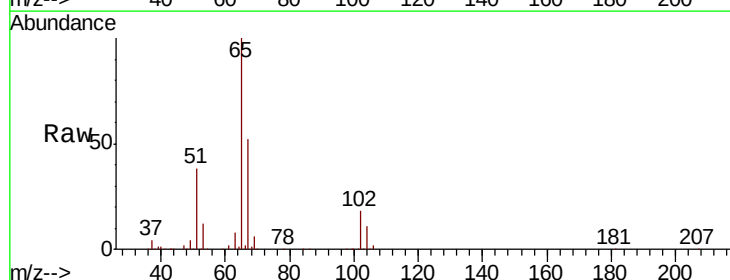
Acq: 01 Sep 2019 15:14

Tgt Ion: 65 Resp: 131216

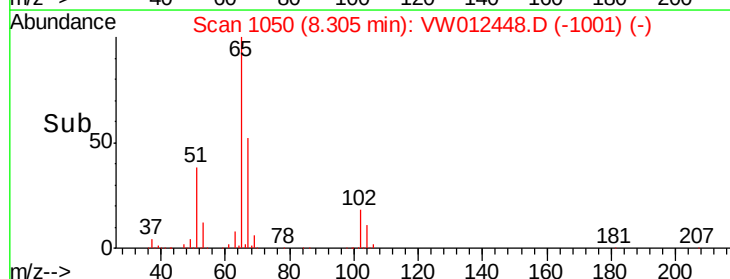
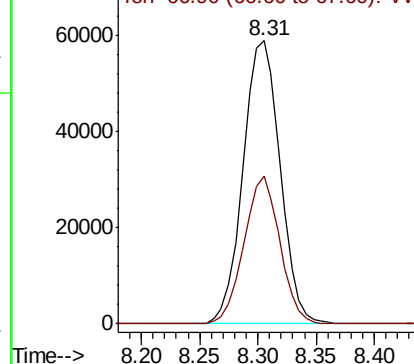
Ion Ratio Lower Upper

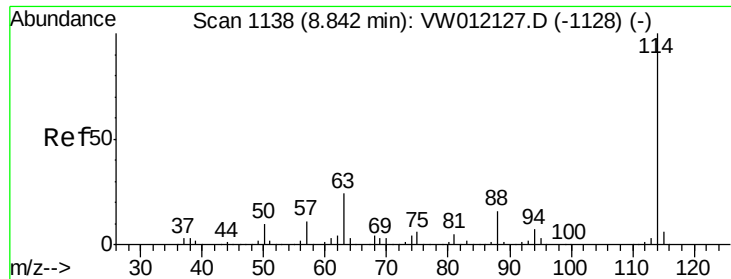
65 100

67 50.6 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

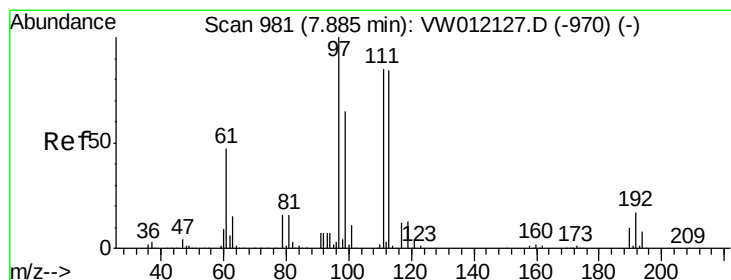
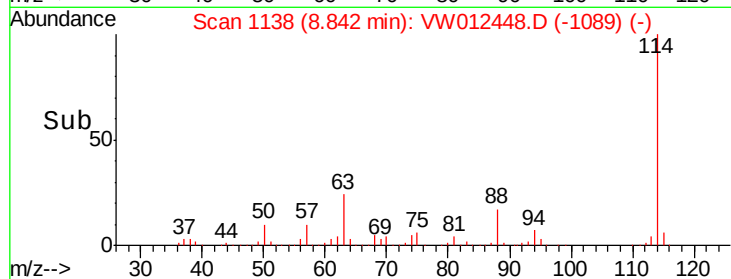
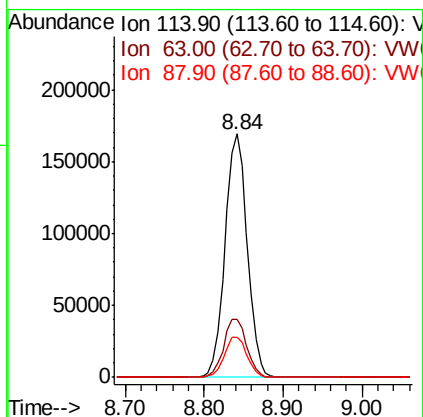
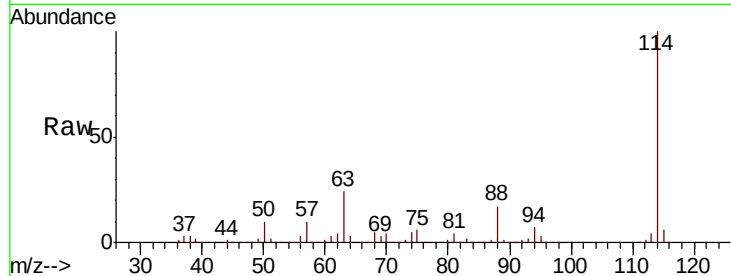




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012448.D
 Acq: 01 Sep 2019 15:14

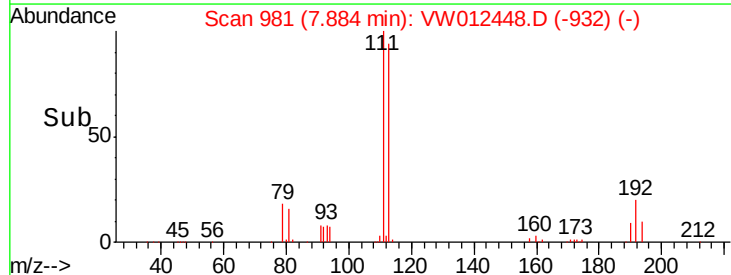
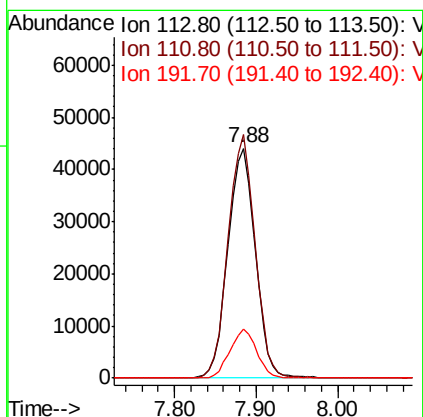
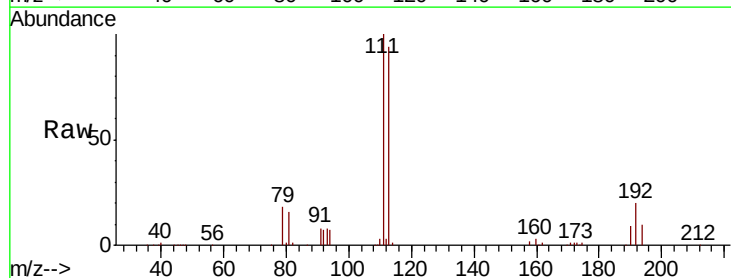
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D4-(2.5)

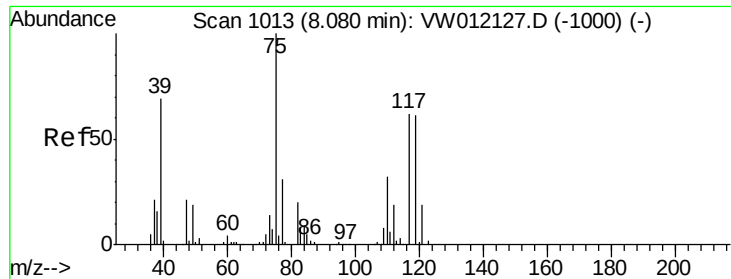
Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	48.6
88	16.6	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 51.758 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012448.D
 Acq: 01 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.7	124.1
192	20.5	16.2	24.2

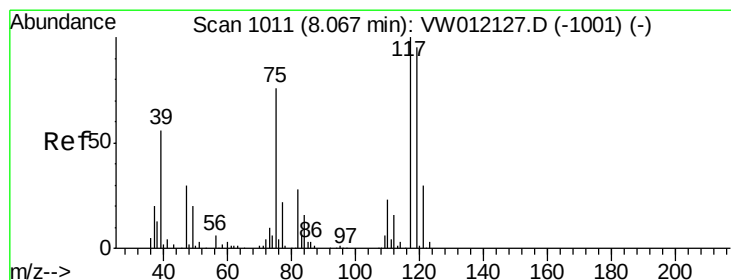
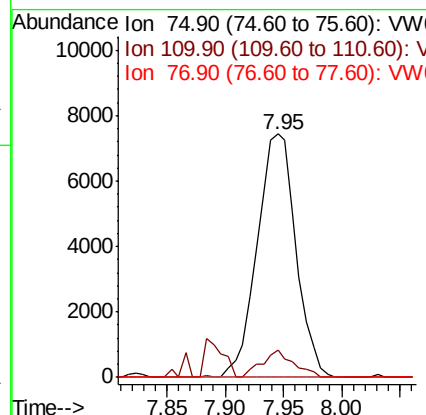
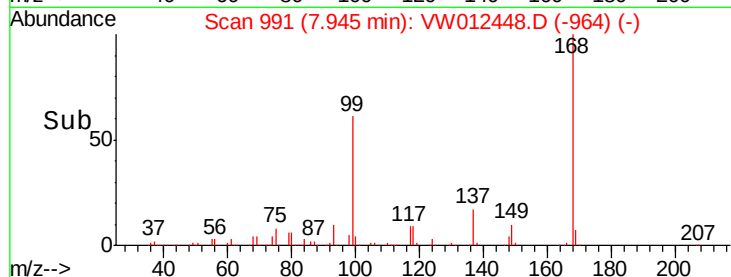
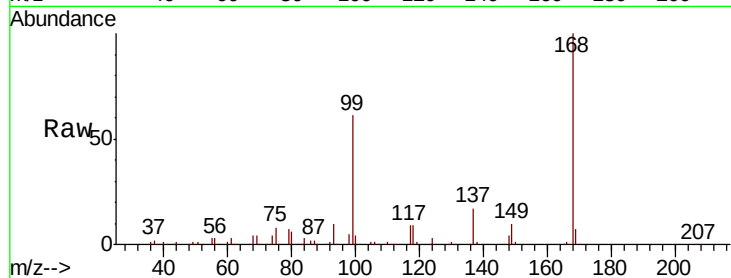




#36
 1,1-Dichloropropene
 Concen: 5.031 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012448.D
 Acq: 01 Sep 2019 15:14

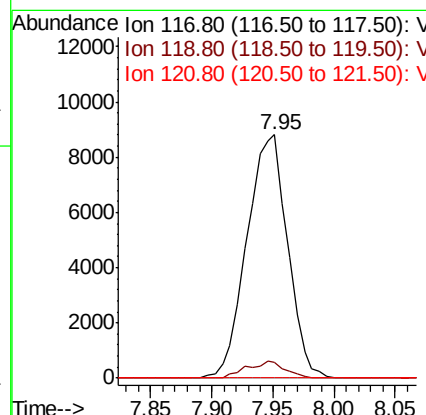
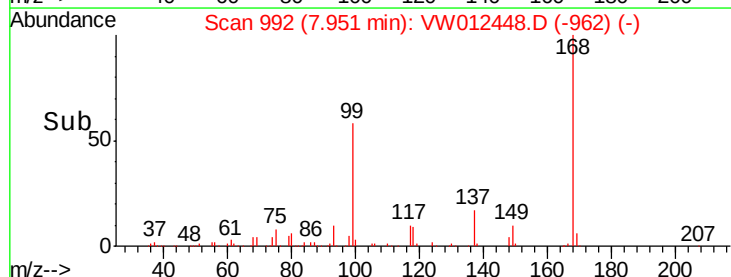
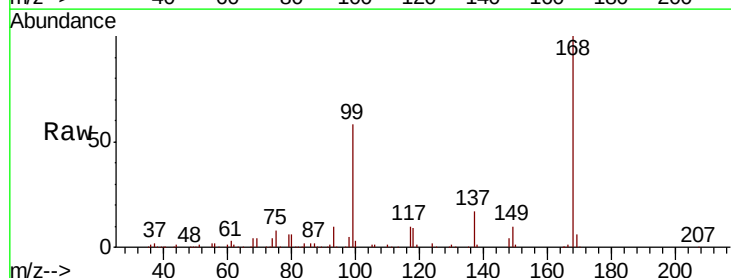
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D4-(2.5)

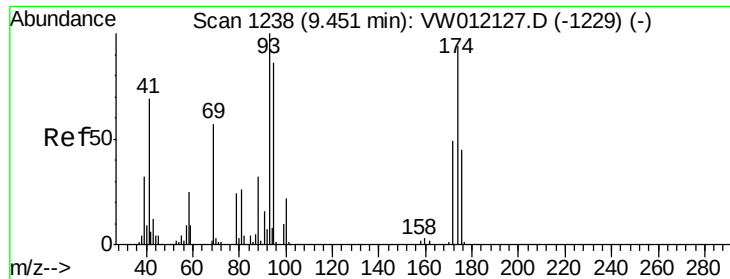
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.6	46.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.894 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW012448.D
 Acq: 01 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.2	114.2#
121	0.0	23.8	35.8#





#49

1,4-Dioxane

Concen: 1.753 ug/l

RT: 9.18 min Scan# 1193

Delta R.T. -0.27 min

Lab File: VW012448.D

Acq: 01 Sep 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D4-(2.5)

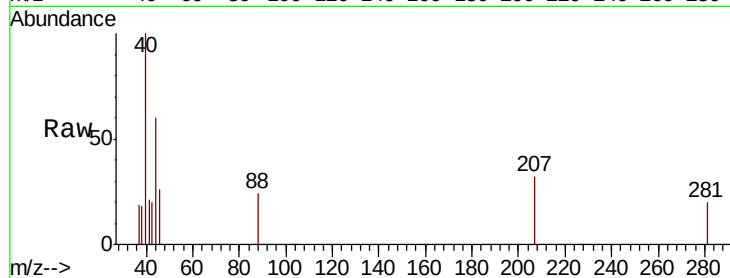
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 216.7 32.9 49.3#

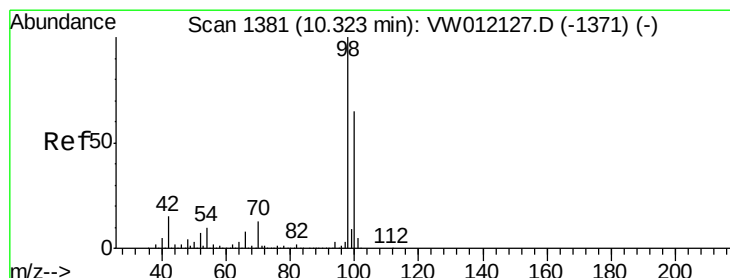
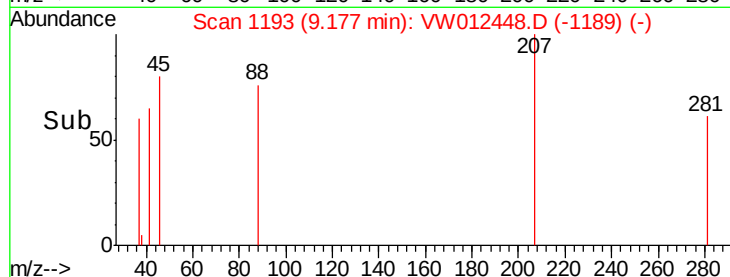
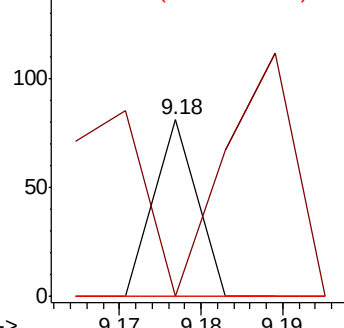
58 0.0 71.0 106.4#



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: 51.144 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012448.D

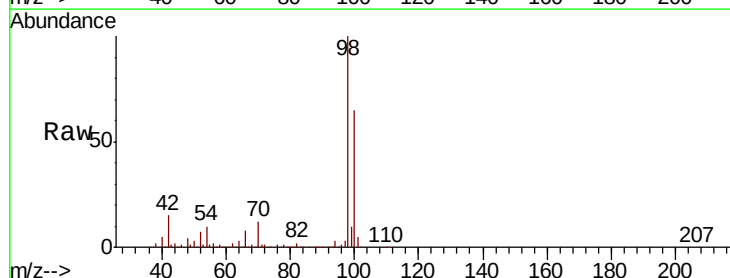
Acq: 01 Sep 2019 15:14

Tgt Ion: 98 Resp: 409558

Ion Ratio Lower Upper

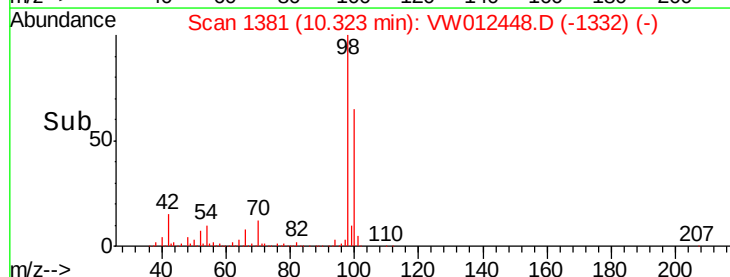
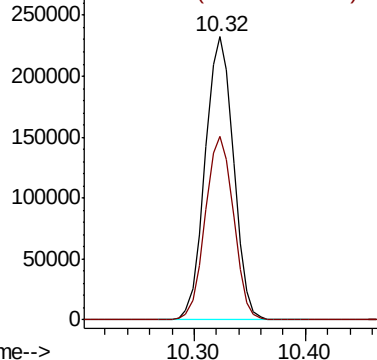
98 100

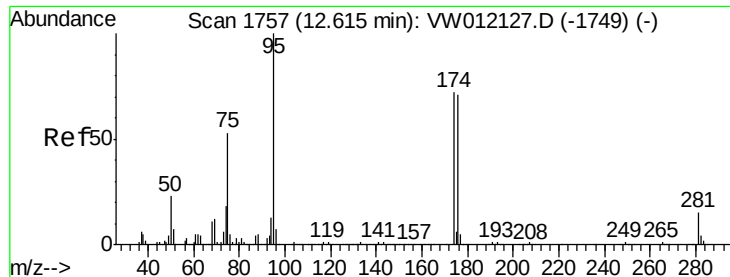
100 64.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

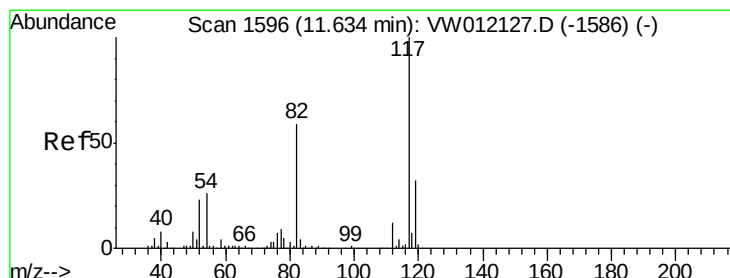
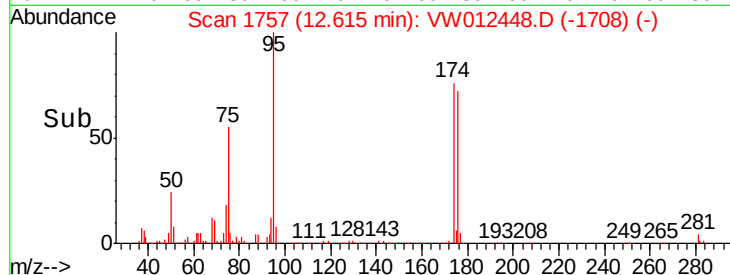
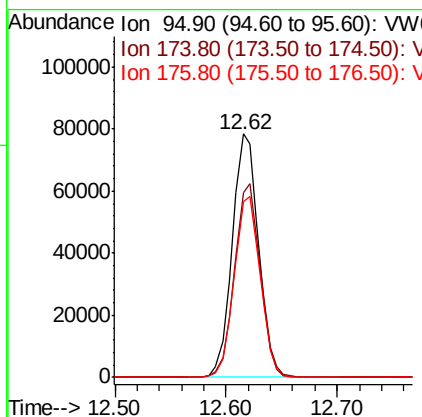
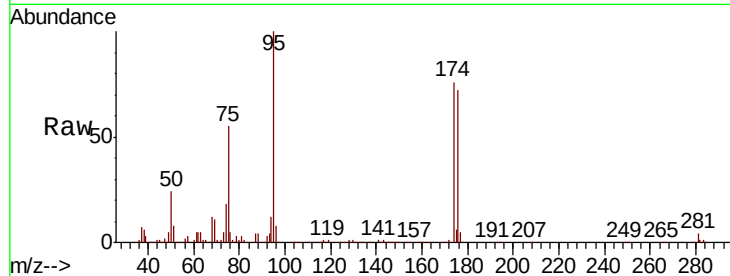




#62
4-Bromofluorobenzene
Concen: 45.129 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012448.D
Acq: 01 Sep 2019 15:14

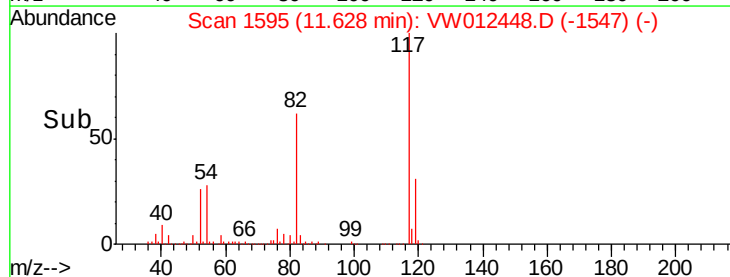
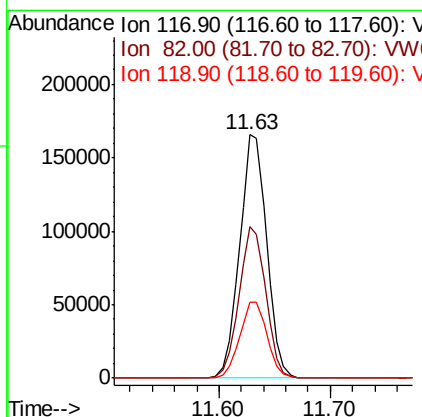
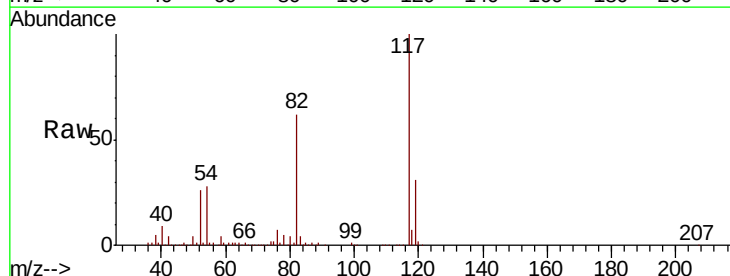
Instrument :
MSVOA_W
ClientSampleId :
T4-S-D4-(2.5)

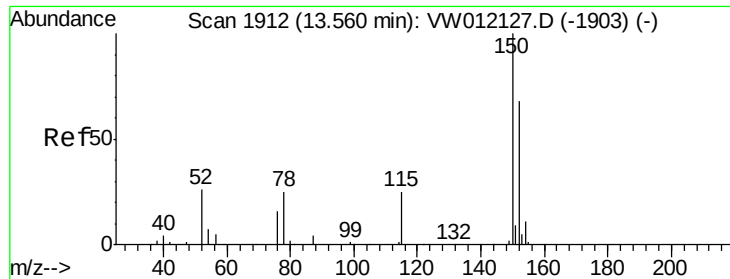
Tgt Ion: 95 Resp: 127389
Ion Ratio Lower Upper
95 100
174 78.6 0.0 150.8
176 74.0 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012448.D
Acq: 01 Sep 2019 15:14

Tgt Ion: 117 Resp: 278382
Ion Ratio Lower Upper
117 100
82 62.2 47.4 71.2
119 31.3 25.4 38.2



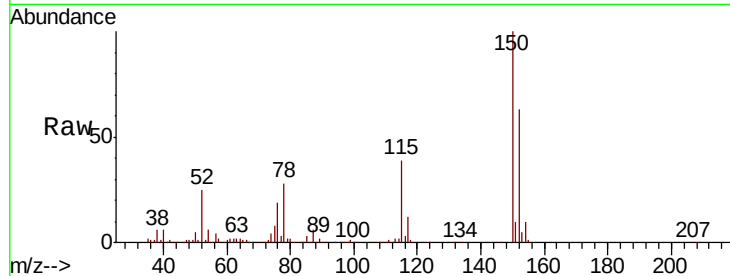


#72

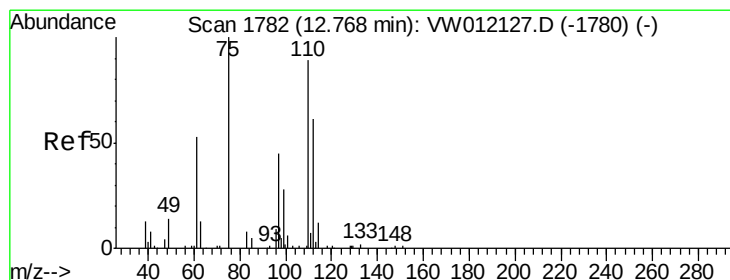
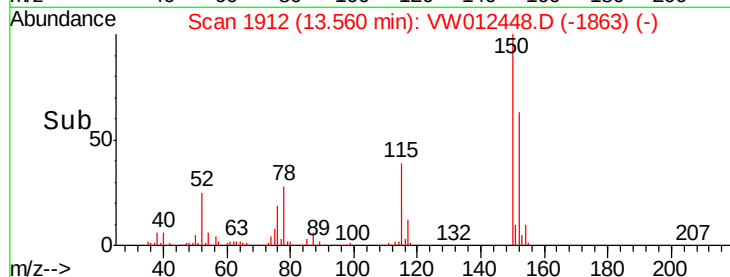
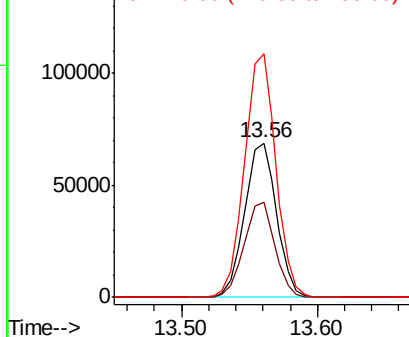
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012448.D
Acq: 01 Sep 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
T4-S-D4-(2.5)

Tgt Ion:152 Resp: 113411
Ion Ratio Lower Upper
152 100
115 59.7 30.1 90.3
150 154.5 0.0 345.8



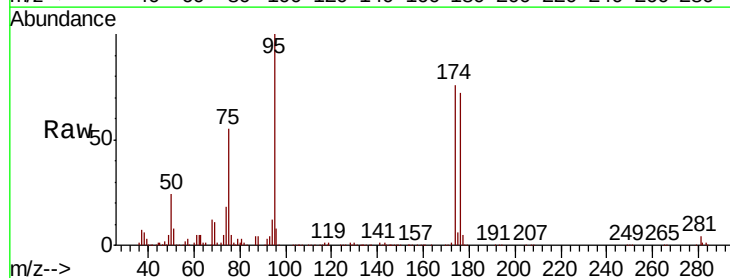
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



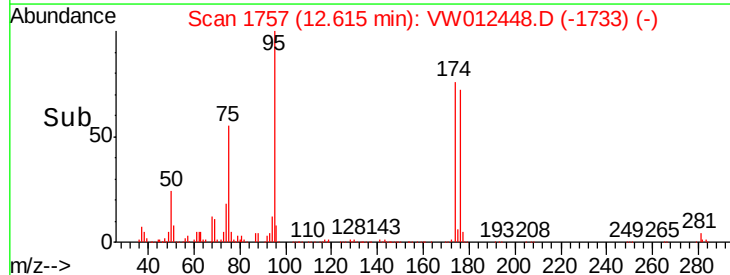
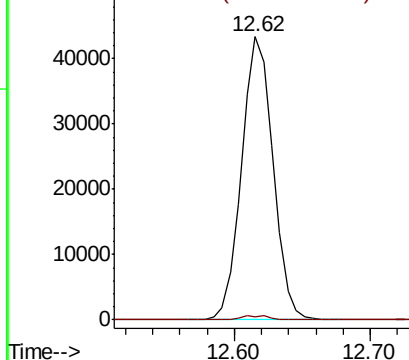
#76

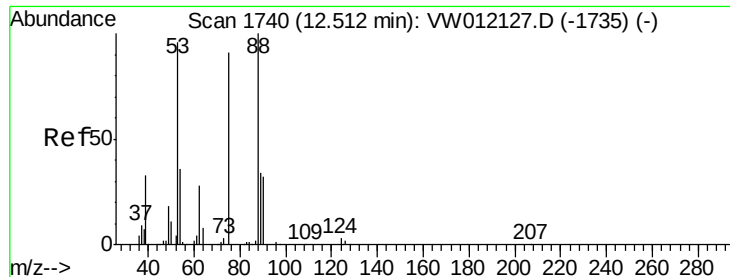
1,2,3-Trichloropropane
Concen: 63.447 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012448.D
Acq: 01 Sep 2019 15:14

Tgt Ion: 75 Resp: 70080
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 139.110 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012448.D

Acq: 01 Sep 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D4-(2.5)

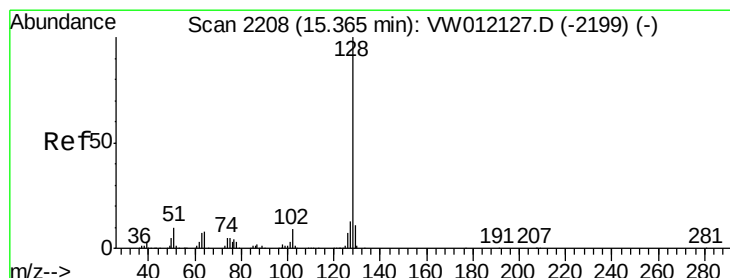
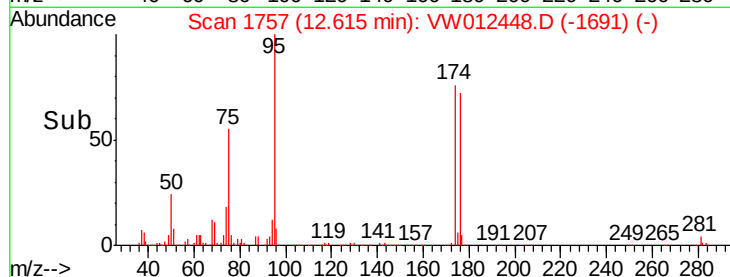
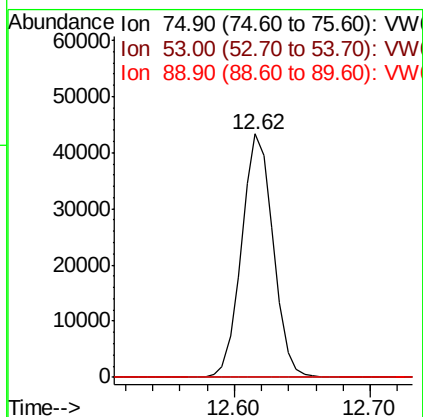
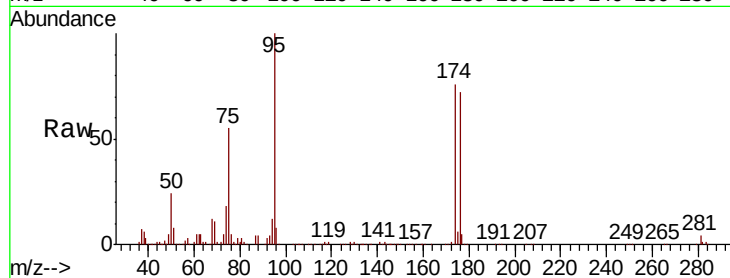
Tgt Ion: 75 Resp: 70080

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.0 34.5 51.7#



#95

Naphthalene

Concen: 4.378 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012448.D

Acq: 01 Sep 2019 15:14

Tgt Ion: 128 Resp: 266

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

