

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012153.D
 Acq On : 24 Aug 2019 00:08
 Operator : SY/VA
 Sample : K4474-16
 Misc : 5.84G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K4-(0)

Quant Time: Aug 26 07:32:00 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	253119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429140	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	114191	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	166809	55.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.88%	
35) Dibromofluoromethane	7.88	113	132305	51.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.30%	
50) Toluene-d8	10.32	98	527709	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.62	95	149612	40.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.72%	

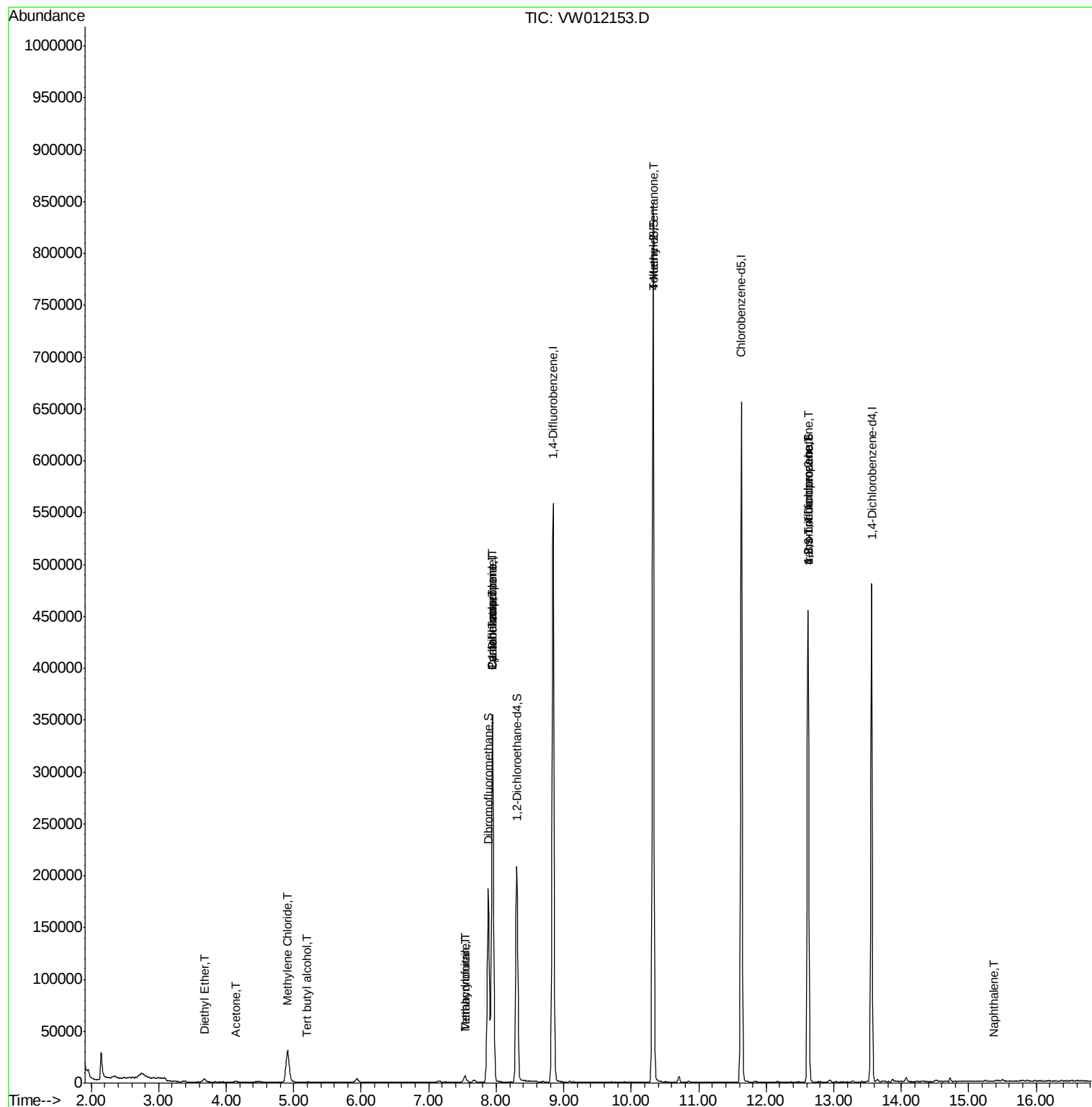
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1644	1.167	ug/l	65
11) Tert butyl alcohol	5.18	59	206	1.138	ug/l #	71
16) Acetone	4.14	43	1281	1.665	ug/l	100
20) Methylene Chloride	4.91	84	21865	7.520	ug/l	96
29) Tetrahydrofuran	7.53	42	5658	9.023	ug/l	96
31) Cyclohexane	7.95	56	6457	1.191	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22288	5.026	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25997	6.773	ug/l #	16
41) Methacrylonitrile	7.53	41	3548	2.484	ug/l #	56
51) 4-Methyl-2-Pentanone	10.32	43	3182	1.390	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	80411	72.303	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80411	158.527	ug/l #	6
95) Naphthalene	15.37	128	65	4.335	ug/l #	61

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

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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: VW012153.D

Acq: 24 Aug 2019 00:08

Instrument :

MSVOA_W

ClientSampleId :

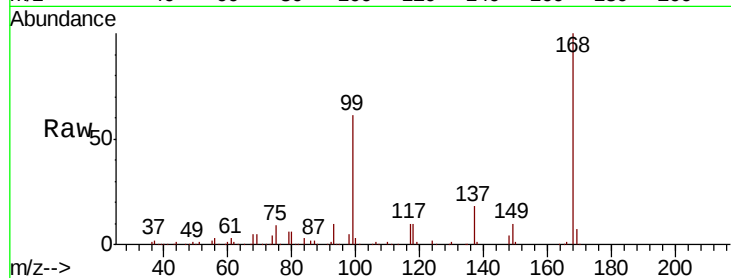
T1-2-K4-(0)

Tgt Ion:168 Resp: 253119

Ion Ratio Lower Upper

168 100

99 61.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

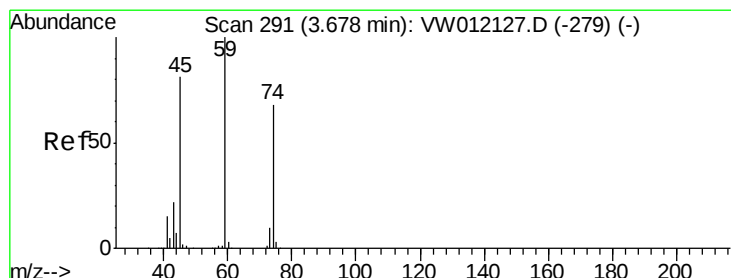
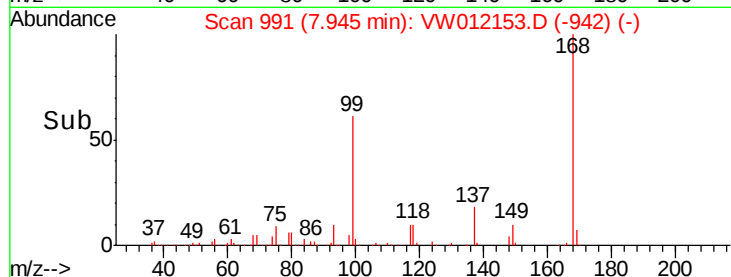
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.167 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012153.D

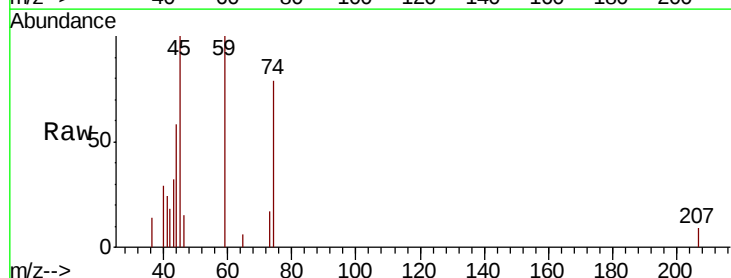
Acq: 24 Aug 2019 00:08

Tgt Ion: 74 Resp: 1644

Ion Ratio Lower Upper

74 100

45 156.8 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

1000

800

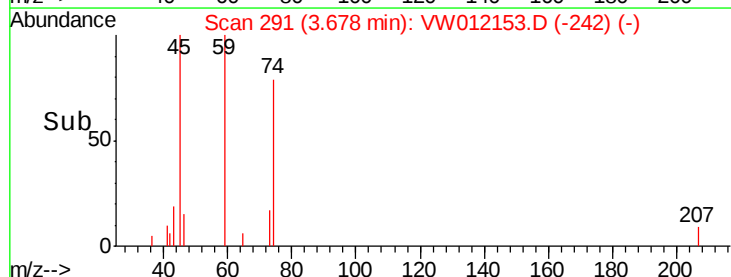
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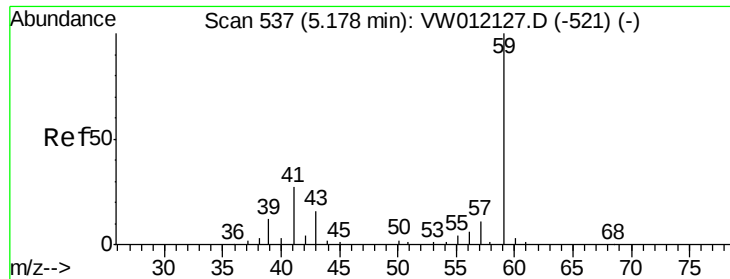
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200

0

Time--> 3.60 3.65 3.70 3.75

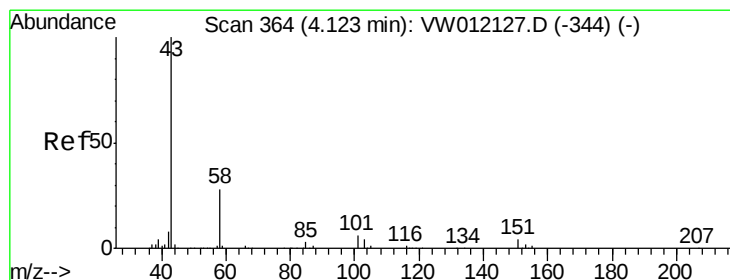
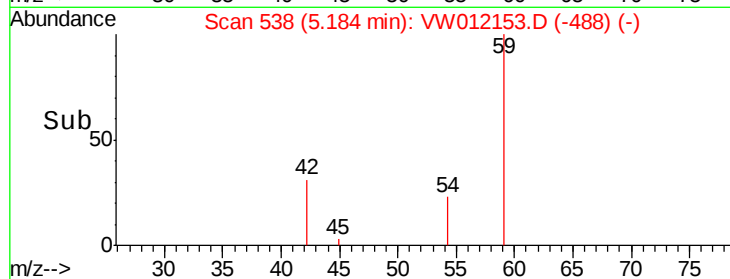
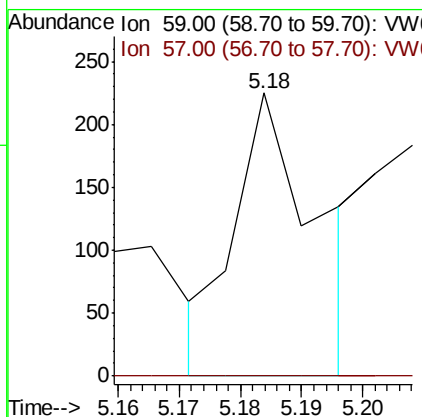
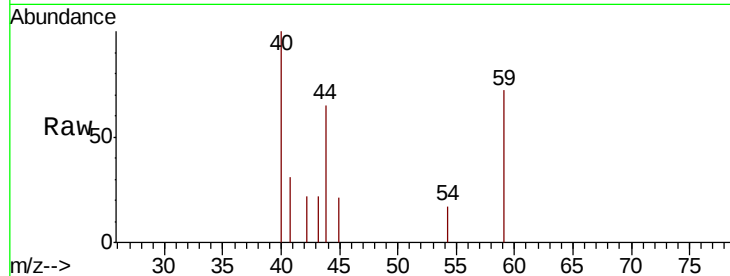




#11
Tert butyl alcohol
Concen: 1.138 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012153.D
Acq: 24 Aug 2019 00:08

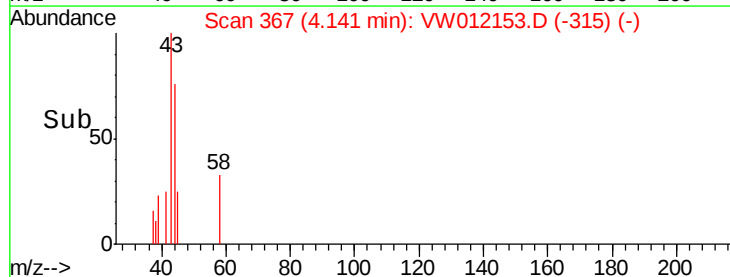
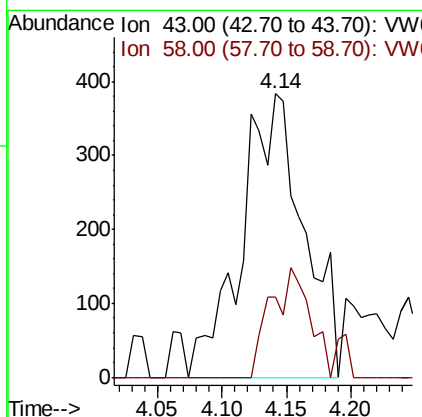
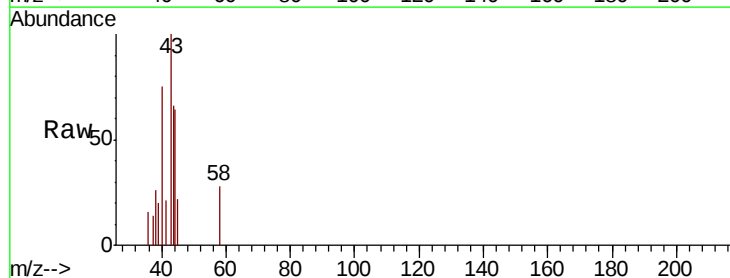
Instrument :
MSVOA_W
ClientSampleId :
T1-2-K4-(0)

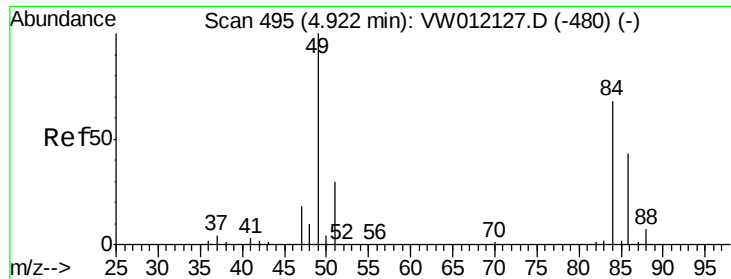
Tgt Ion: 59 Resp: 206
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 1.665 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012153.D
Acq: 24 Aug 2019 00:08

Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
58 28.2 22.4 33.6

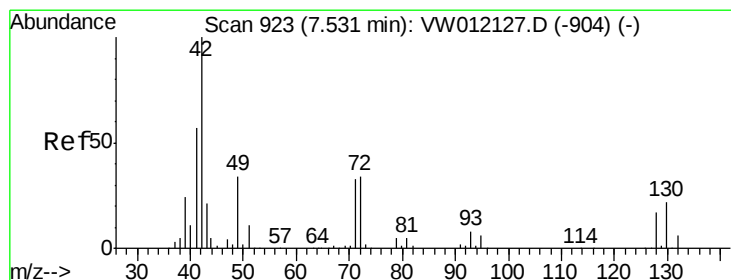
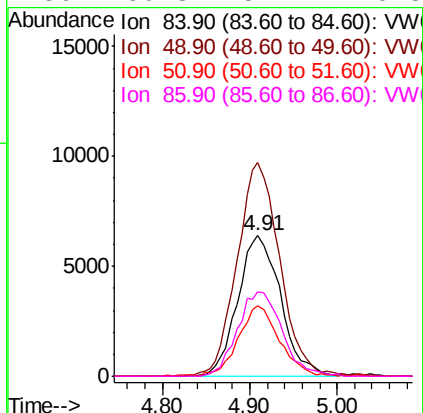
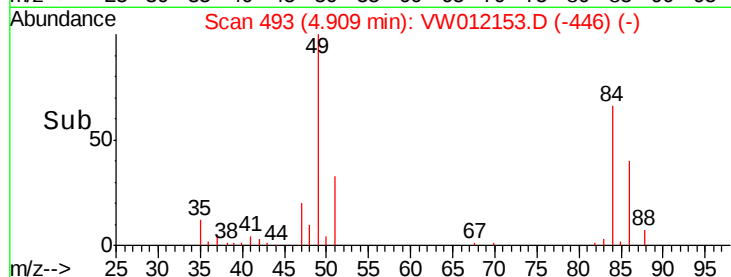
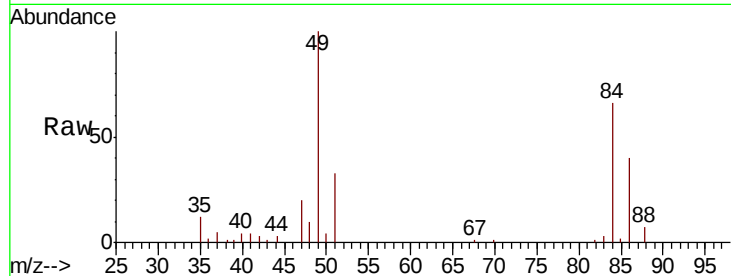




#20
Methylene Chloride
Concen: 7.520 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012153.D
Acq: 24 Aug 2019 00:08

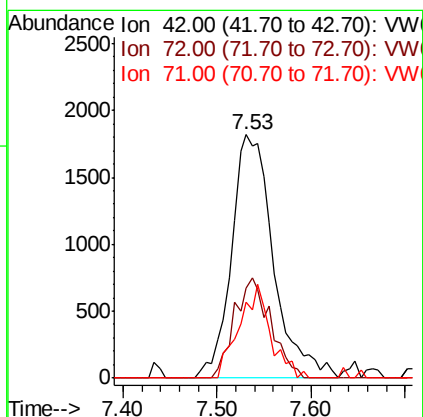
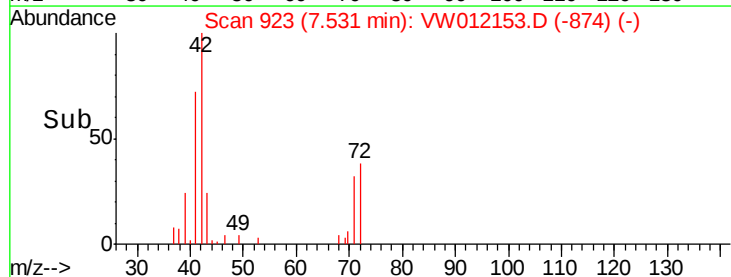
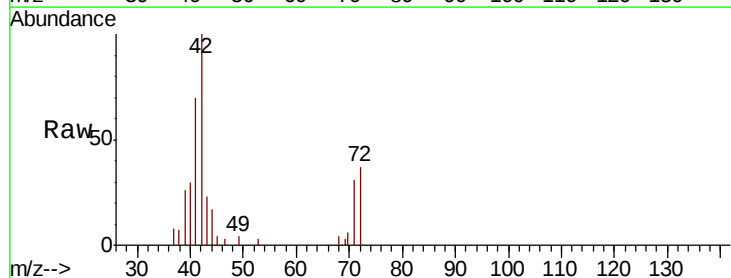
Instrument :
MSVOA_W
ClientSampleId :
T1-2-K4-(0)

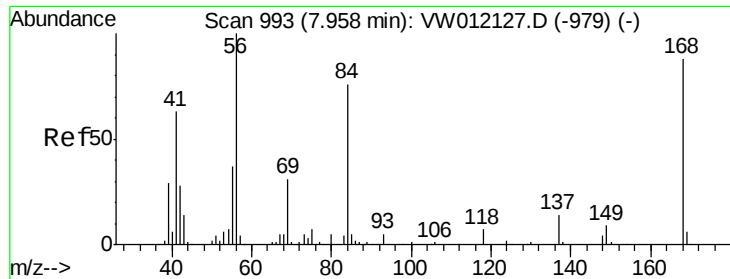
Tgt Ion:	84	Resp:	21865
Ion	Ratio	Lower	Upper
84	100		
49	150.8	117.8	176.8
51	50.5	35.6	53.4
86	60.3	51.2	76.8



#29
Tetrahydrofuran
Concen: 9.023 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012153.D
Acq: 24 Aug 2019 00:08

Tgt Ion:	42	Resp:	5658
Ion	Ratio	Lower	Upper
42	100		
72	35.4	27.3	40.9
71	28.8	25.5	38.3

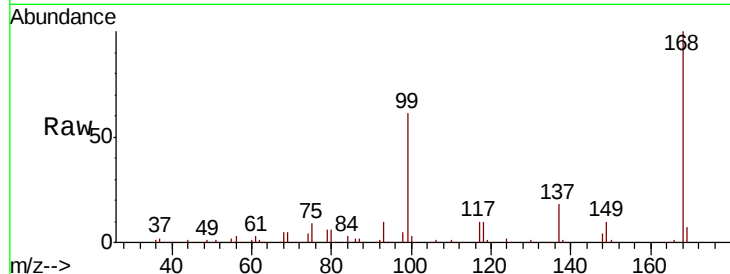




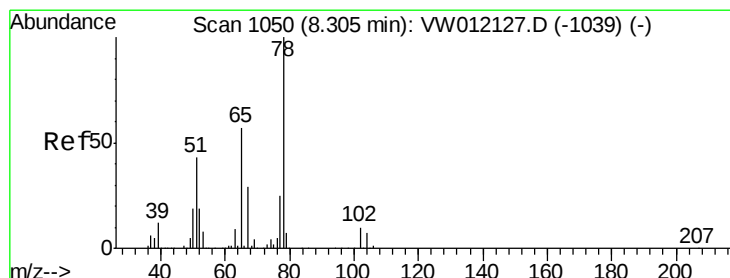
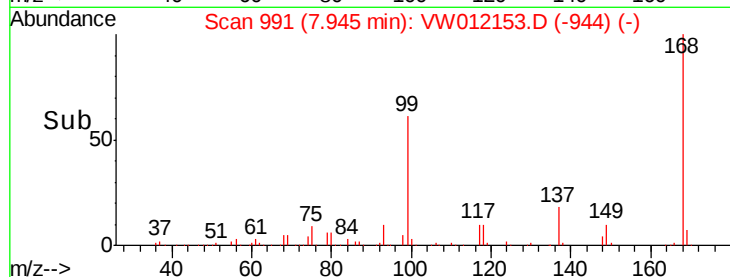
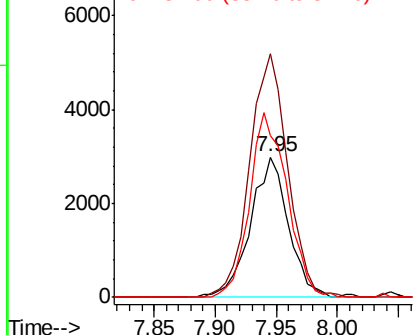
#31
Cyclohexane
Concen: 1.191 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012153.D
Acq: 24 Aug 2019 00:08

Instrument :
MSVOA_W
ClientSampleId :
T1-2-K4-(0)

Tgt Ion: 56 Resp: 6457
Ion Ratio Lower Upper
56 100
69 173.8 24.9 37.3#
84 115.5 60.6 90.8#

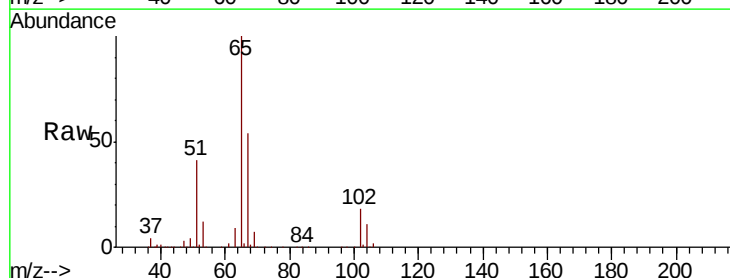


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

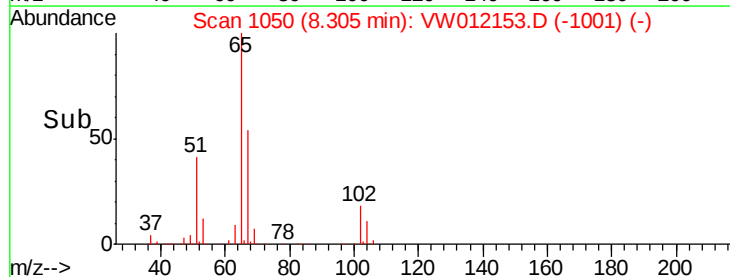
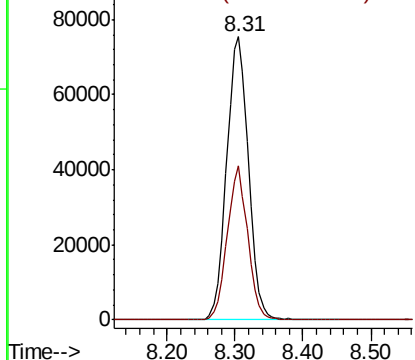


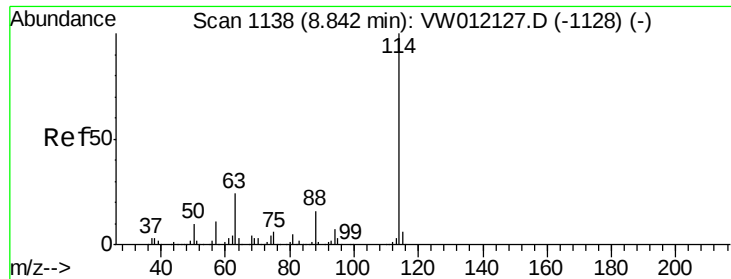
#33
1,2-Dichloroethane-d4
Concen: 55.437 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012153.D
Acq: 24 Aug 2019 00:08

Tgt Ion: 65 Resp: 166809
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.6



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

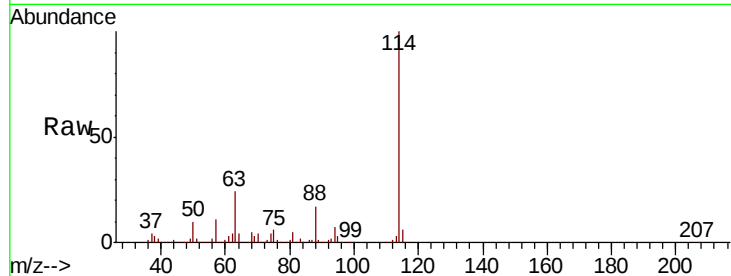




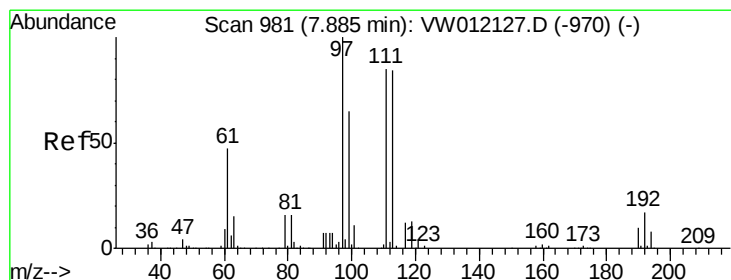
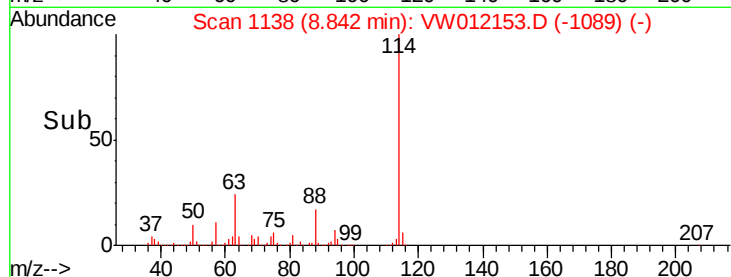
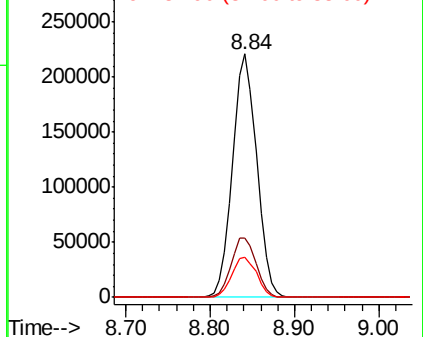
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012153.D
 Acq: 24 Aug 2019 00:08

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K4-(0)

Tgt Ion:114 Resp: 429140
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.6
 88 16.6 0.0 32.2

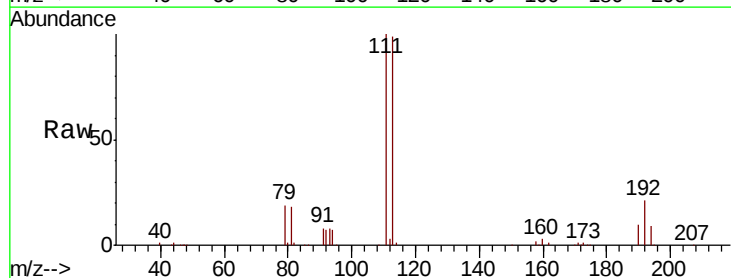


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

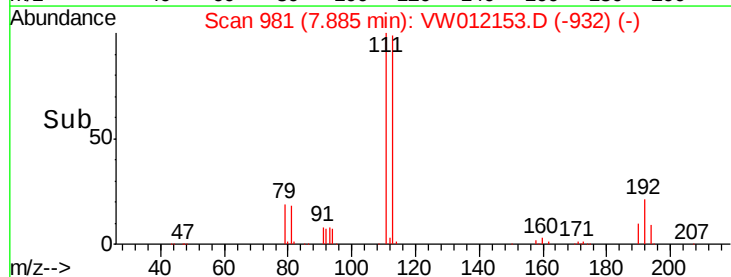
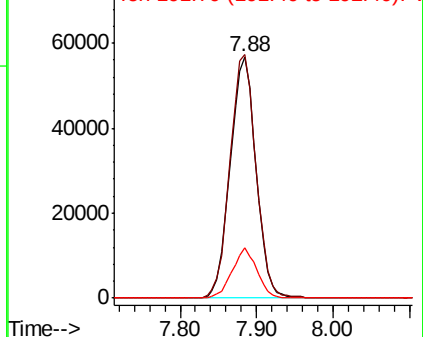


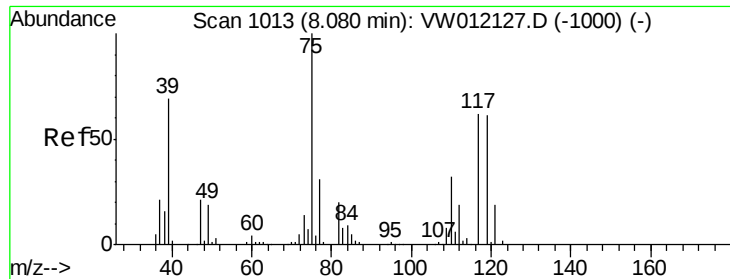
#35
 Dibromofluoromethane
 Concen: 51.650 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012153.D
 Acq: 24 Aug 2019 00:08

Tgt Ion:113 Resp: 132305
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.7 124.1
 192 19.9 16.2 24.2



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

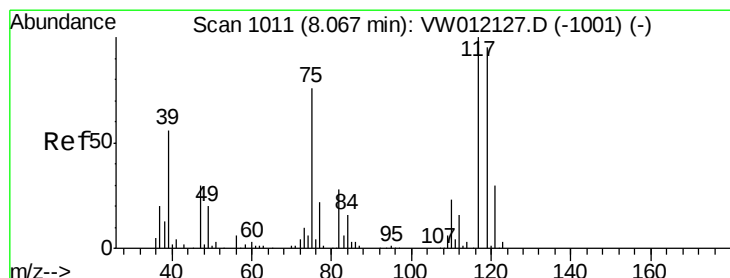
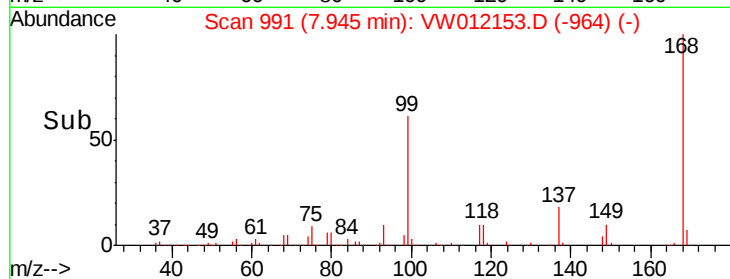
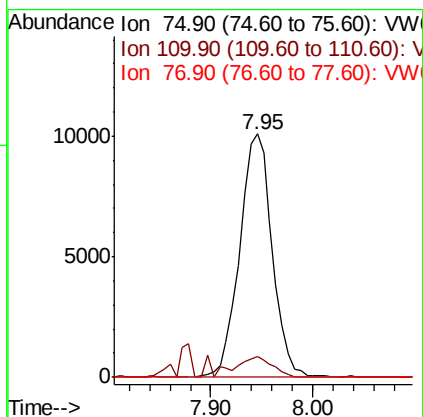
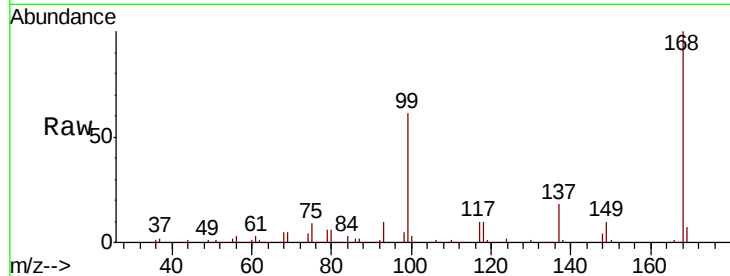




#36
 1,1-Dichloropropene
 Concen: 5.026 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012153.D
 Acq: 24 Aug 2019 00:08

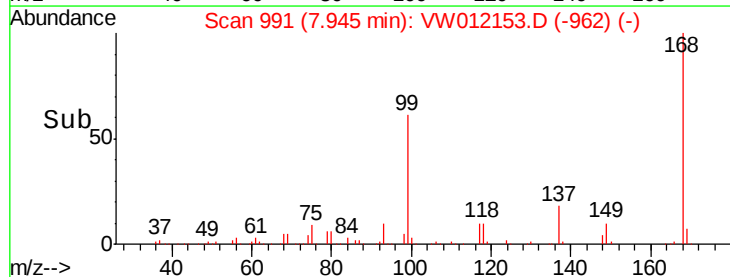
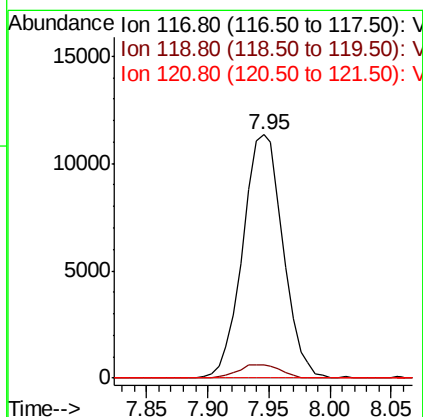
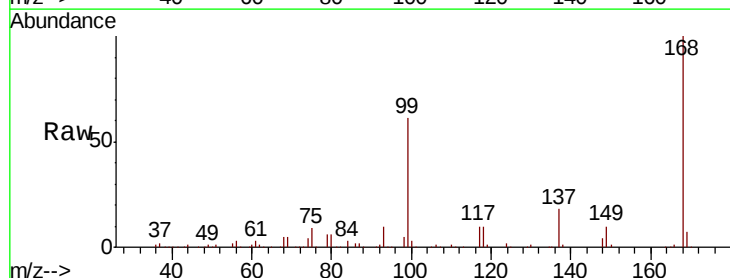
Instrument :
 MSVOA_W
 ClientSampled :
 T1-2-K4-(0)

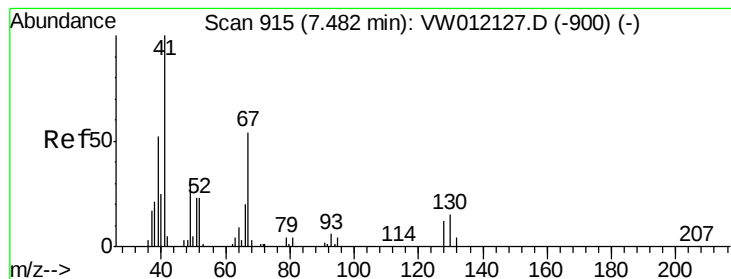
Tgt Ion: 75 Resp: 22288
 Ion Ratio Lower Upper
 75 100
 110 8.5 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.773 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012153.D
 Acq: 24 Aug 2019 00:08

Tgt Ion: 117 Resp: 25997
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.484 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012153.D

Acq: 24 Aug 2019 00:08

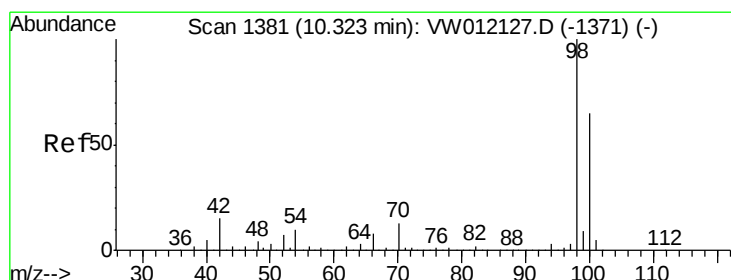
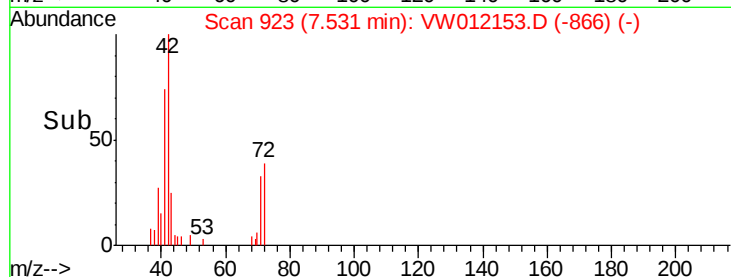
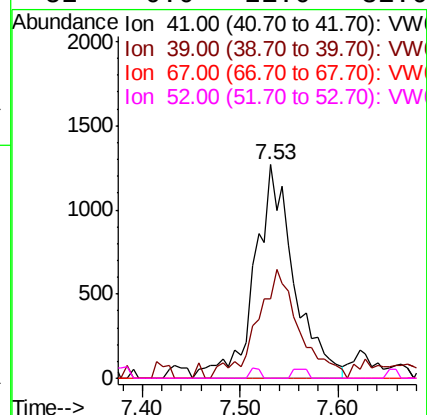
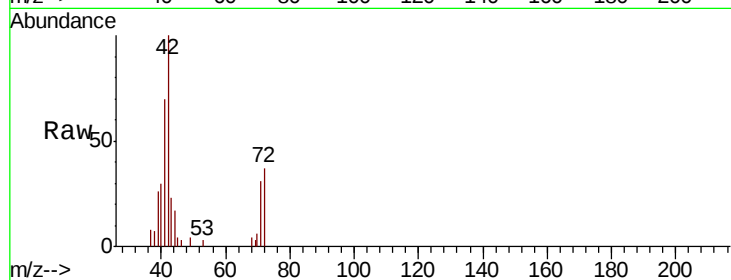
Instrument :

MSVOA_W

ClientSampleId :

T1-2-K4-(0)

Tgt Ion:	41	Resp:	3548
Ion	Ratio	Lower	Upper
41	100		
39	52.6	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#50

Toluene-d8

Concen: 50.808 ug/l

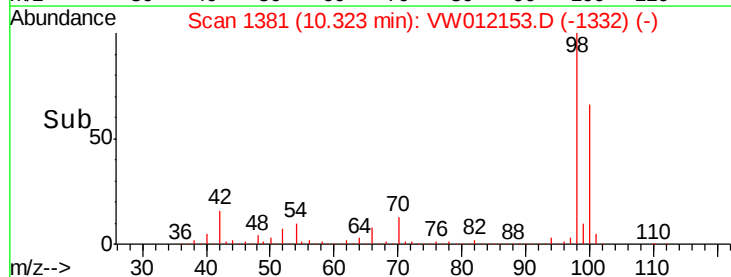
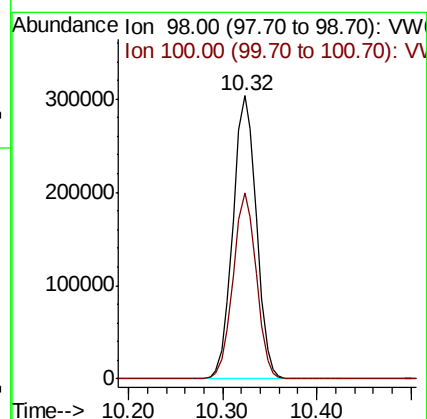
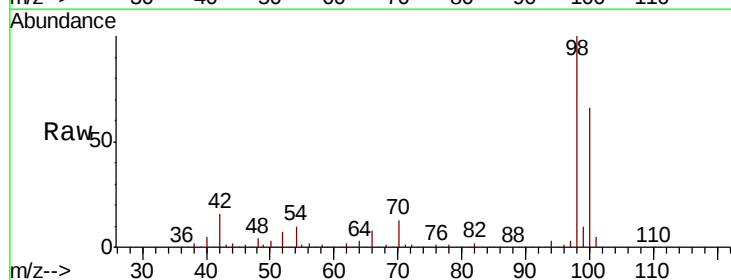
RT: 10.32 min Scan# 1381

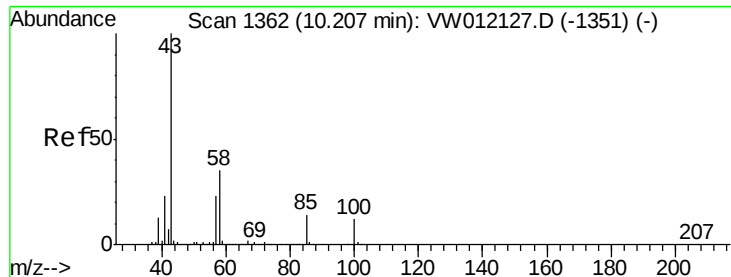
Delta R.T. -0.00 min

Lab File: VW012153.D

Acq: 24 Aug 2019 00:08

Tgt Ion:	98	Resp:	527709
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6

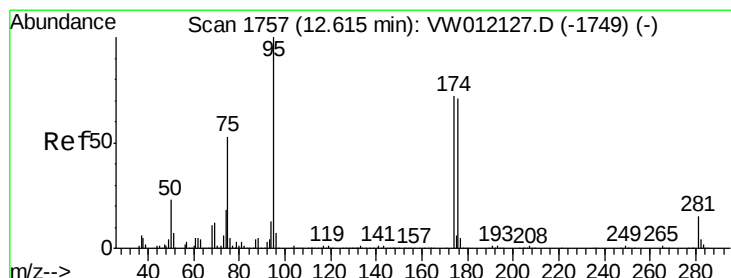
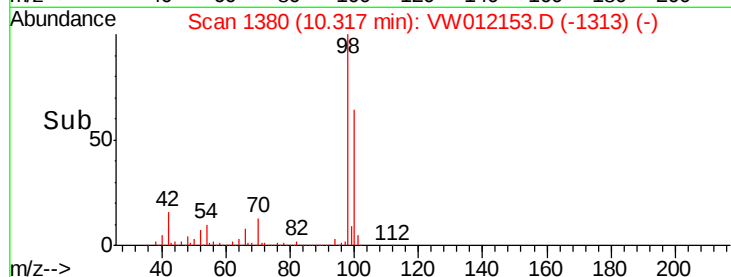
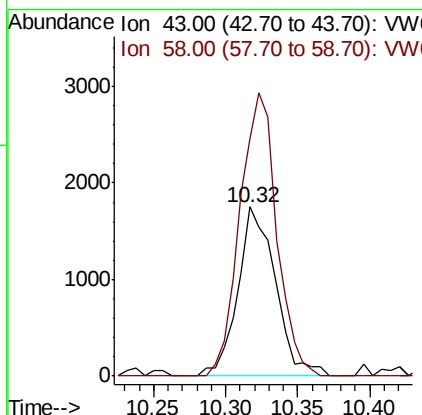
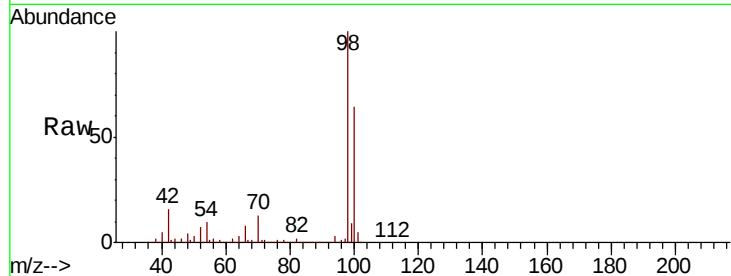




#51
 4-Methyl-2-Pentanone
 Concen: 1.390 ug/l
 RT: 10.32 min Scan# 1380
 Delta R.T. 0.11 min
 Lab File: VW012153.D
 Acq: 24 Aug 2019 00:08

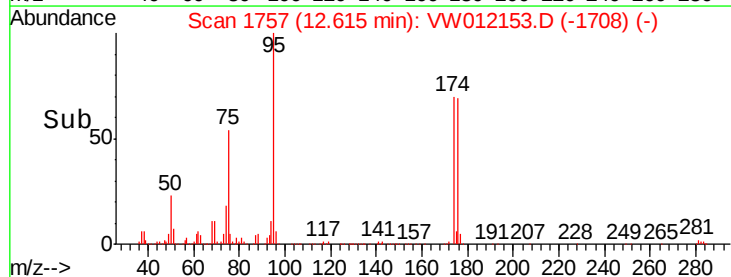
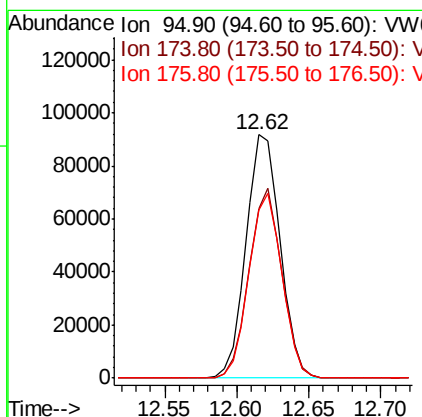
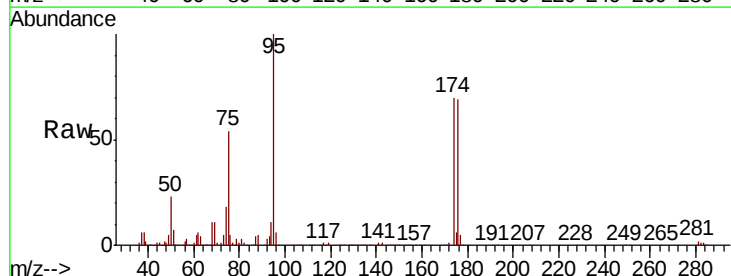
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-K4-(0)

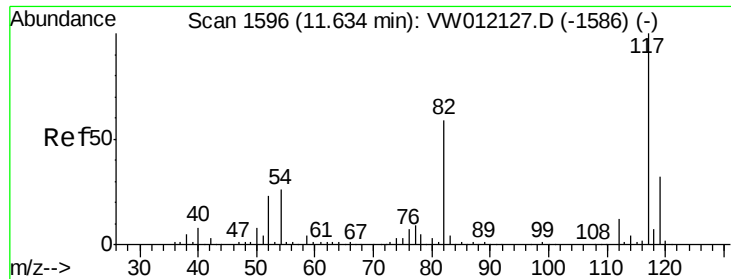
Tgt Ion: 43 Resp: 3182
 Ion Ratio Lower Upper
 43 100
 58 163.6 28.2 42.2#



#62
 4-Bromofluorobenzene
 Concen: 40.864 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012153.D
 Acq: 24 Aug 2019 00:08

Tgt Ion: 95 Resp: 149612
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 150.8
 176 73.9 0.0 148.6

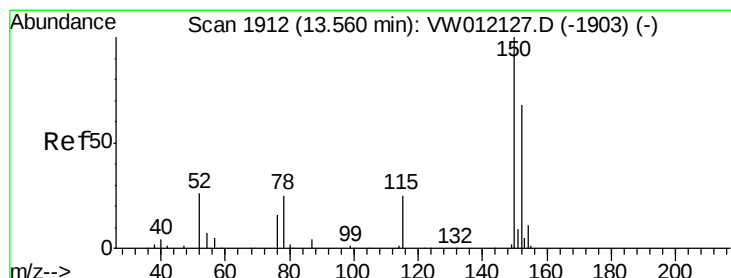
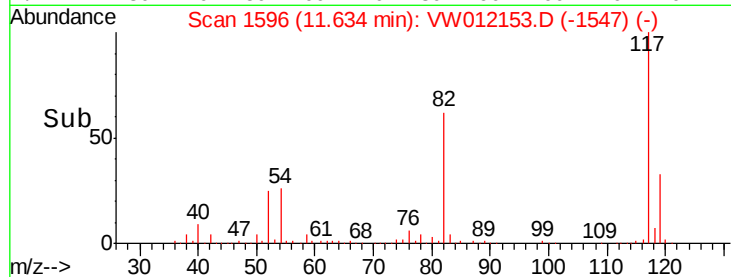
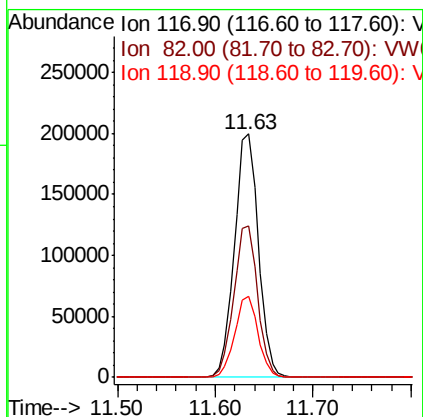
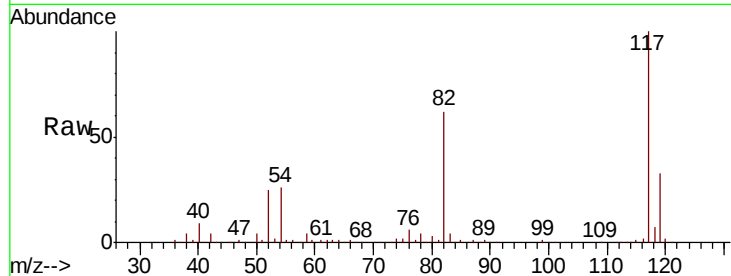




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012153.D
Acq: 24 Aug 2019 00:08

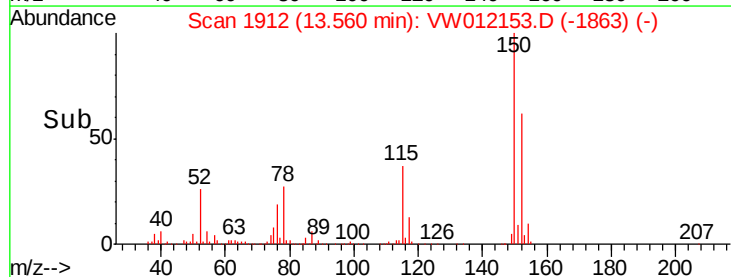
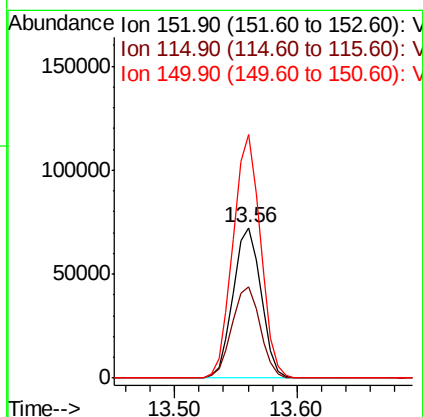
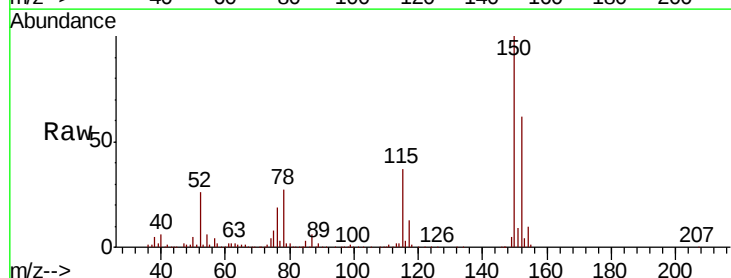
Instrument :
MSVOA_W
ClientSampleId :
T1-2-K4-(0)

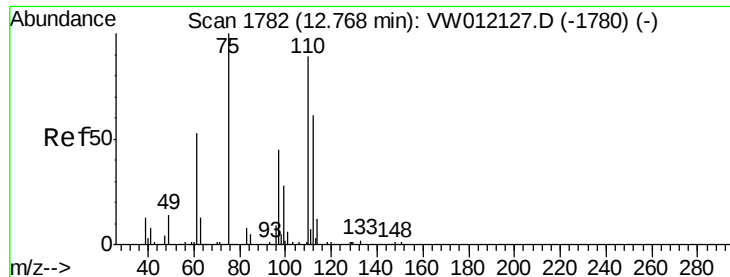
Tgt Ion:117 Resp: 339955
Ion Ratio Lower Upper
117 100
82 62.3 47.4 71.2
119 33.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012153.D
Acq: 24 Aug 2019 00:08

Tgt Ion:152 Resp: 114191
Ion Ratio Lower Upper
152 100
115 61.3 30.1 90.3
150 159.6 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 72.303 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012153.D

Acq: 24 Aug 2019 00:08

Instrument :

MSVOA_W

ClientSampled :

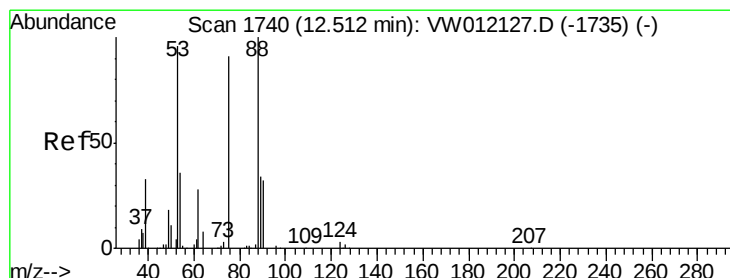
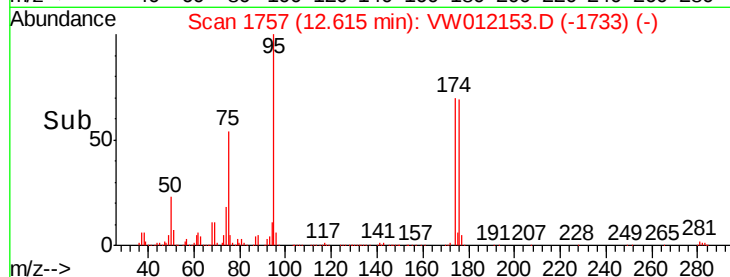
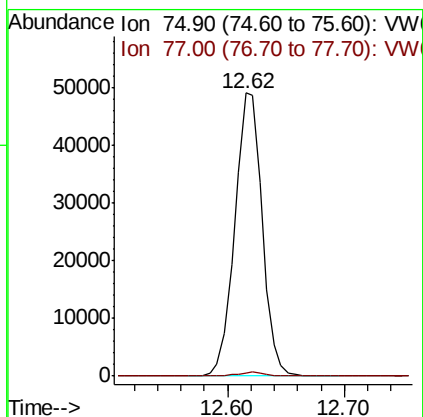
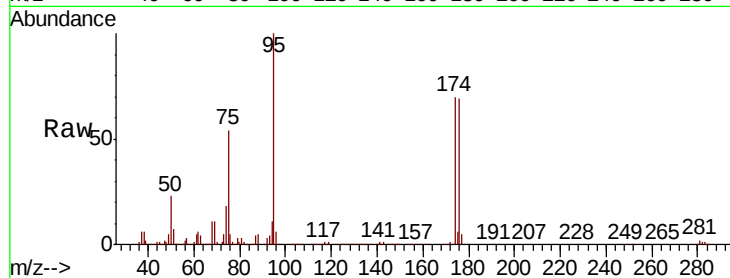
T1-2-K4-(0)

Tgt Ion: 75 Resp: 80411

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 158.527 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012153.D

Acq: 24 Aug 2019 00:08

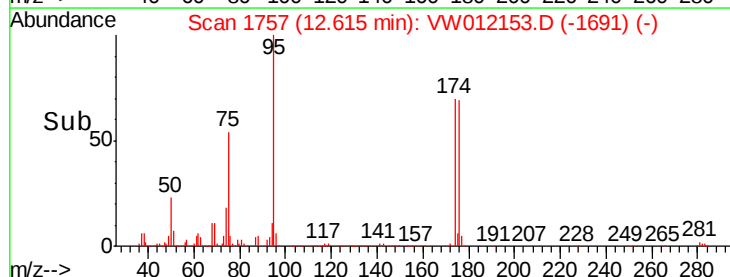
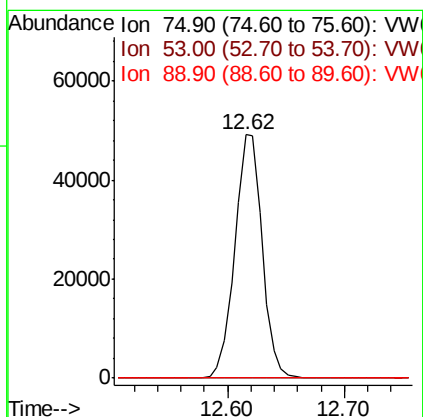
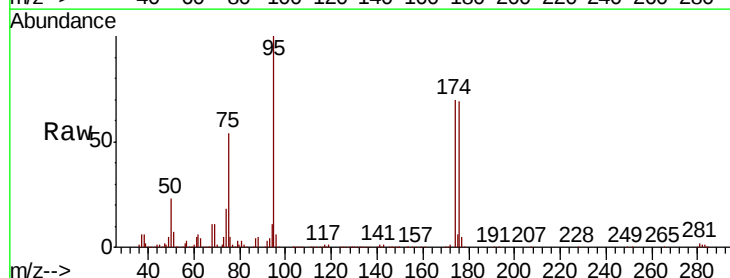
Tgt Ion: 75 Resp: 80411

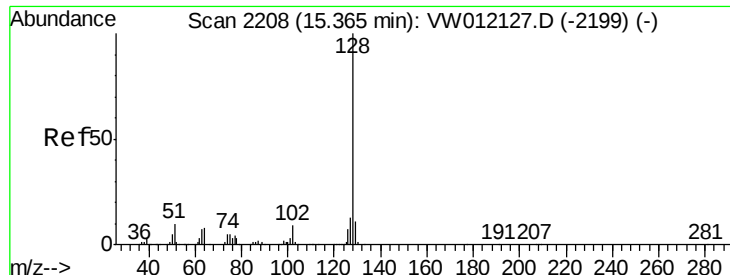
Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.0 34.5 51.7#

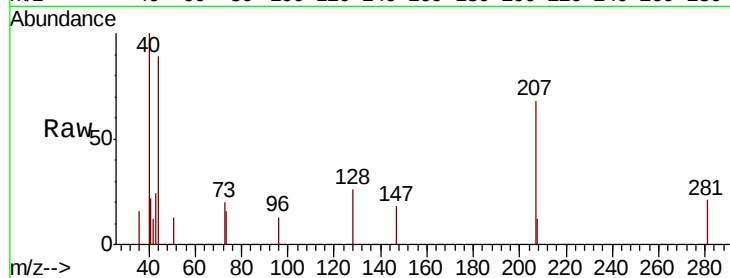




#95
Naphthalene
Concen: 4.335 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012153.D
Acq: 24 Aug 2019 00:08

Instrument :
MSVOA_W
ClientSampleId :
T1-2-K4-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	32.3	10.7	16.1#
129	0.0	8.7	13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

