

Data File : VW012427.D
Acq On : 01 Sep 2019 04:31
Operator : SY/VA
Sample : K4516-04
Misc : 6.11G/5ML/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-S-B3-(2.5)

Quant Time: Sep 01 05:22:00 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	77273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	126494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	108557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	37010	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	56474	61.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.96%	
35) Dibromofluoromethane	7.88	113	43032	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	
50) Toluene-d8	10.32	98	156555	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.62	95	45473	42.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.28%	

Target Compounds

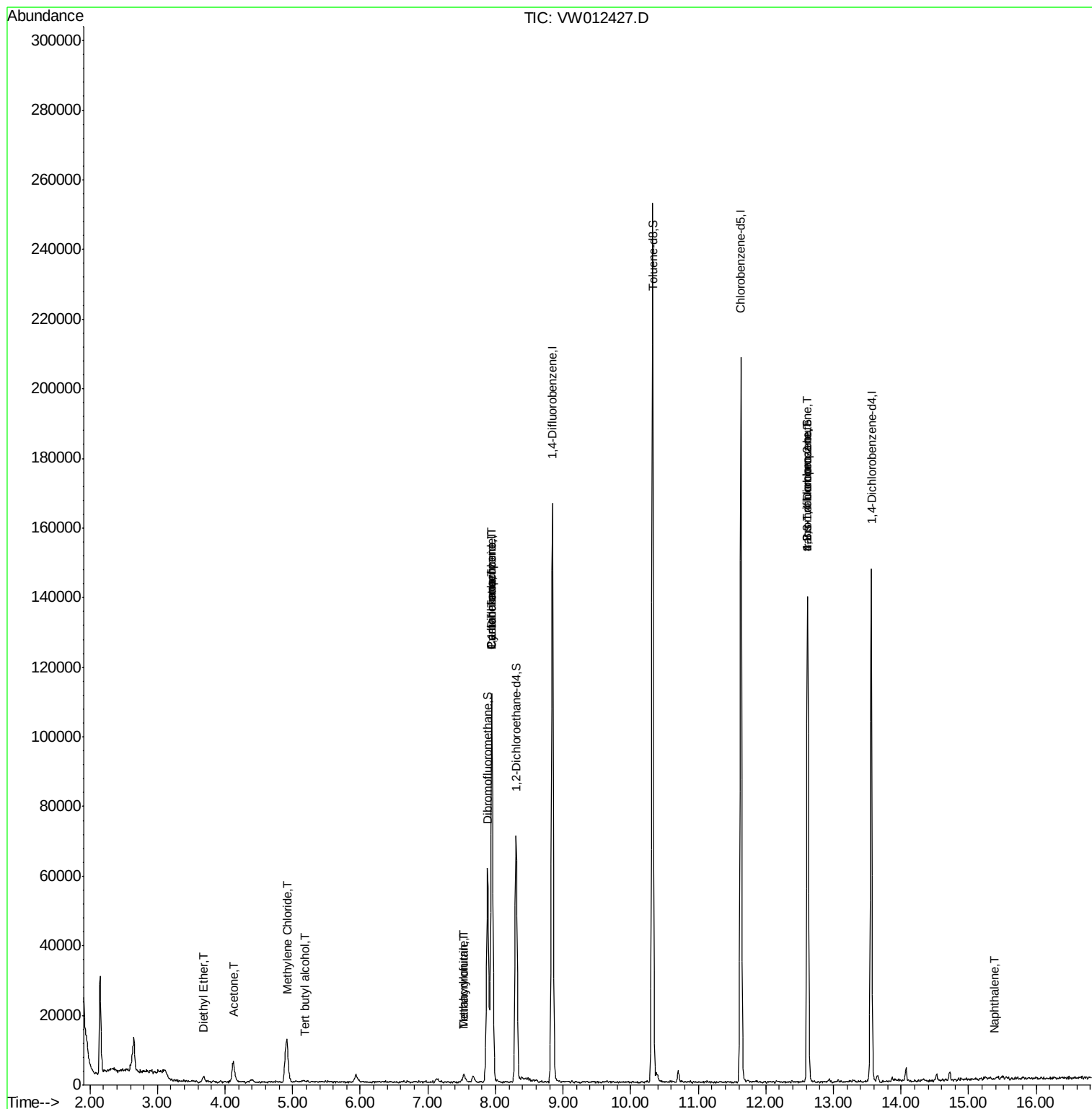
						Qvalue
8) Diethyl Ether	3.67	74	553	1.286	ug/l #	32
11) Tert butyl alcohol	5.18	59	180	3.256	ug/l #	71
16) Acetone	4.12	43	10695	45.547	ug/l	99
20) Methylene Chloride	4.91	84	8426	9.492	ug/l	96
29) Tetrahydrofuran	7.53	42	1990	10.395	ug/l	92
31) Cyclohexane	7.94	56	2224	1.344	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6786	5.191	ug/l #	52
38) Carbon Tetrachloride	7.95	117	8040	7.106	ug/l #	17
41) Methacrylonitrile	7.53	41	844	2.005	ug/l #	47
76) 1,2,3-Trichloropropane	12.62	75	25358	70.351	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	25358	154.247	ug/l #	6
95) Naphthalene	15.37	128	181	4.440	ug/l #	83

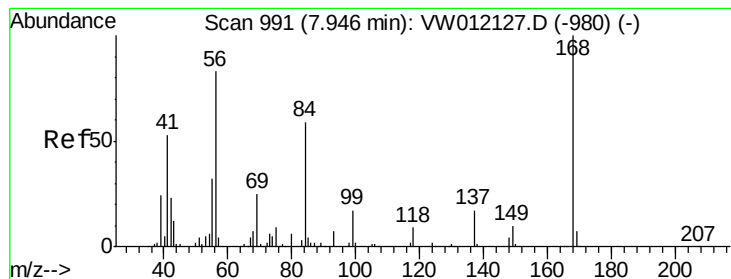
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012427.D

Acq: 01 Sep 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

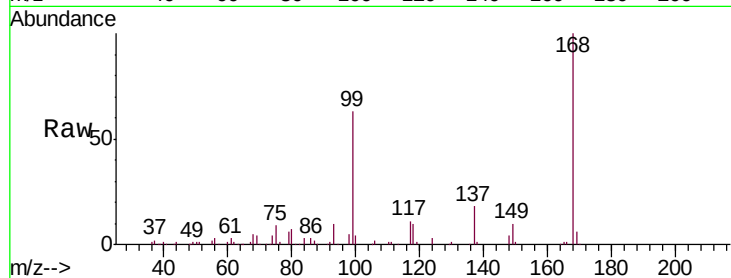
T1-S-B3-(2.5)

Tgt Ion:168 Resp: 77273

Ion Ratio Lower Upper

168 100

99 63.0 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

40000

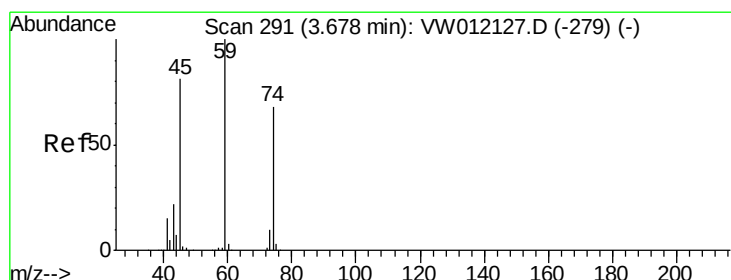
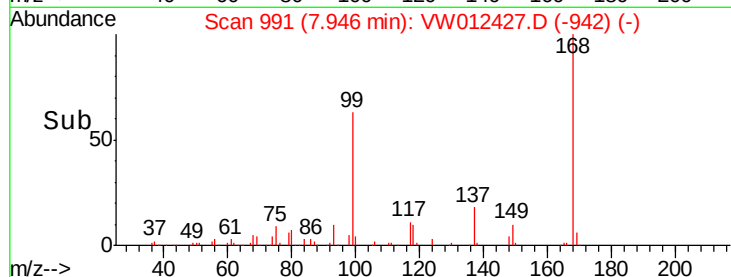
30000

20000

10000

0

Time-->



#8

Diethyl Ether

Concen: 1.286 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012427.D

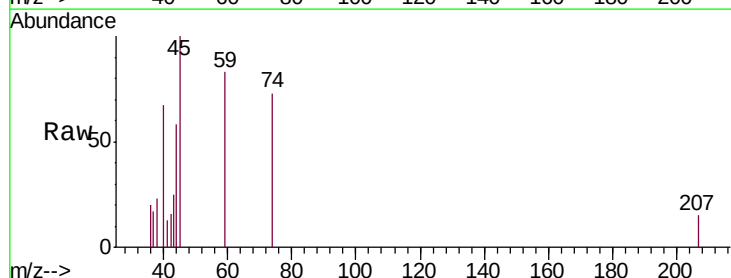
Acq: 01 Sep 2019 04:31

Tgt Ion: 74 Resp: 553

Ion Ratio Lower Upper

74 100

45 193.7 59.2 177.6#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

500

400

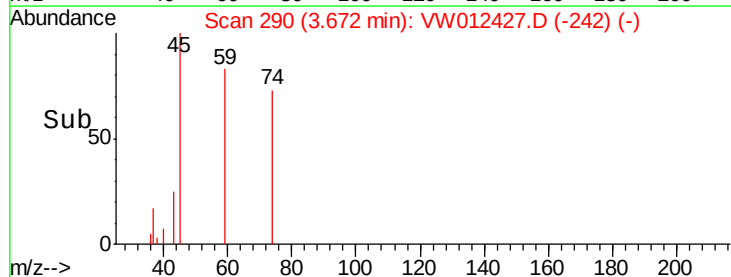
300

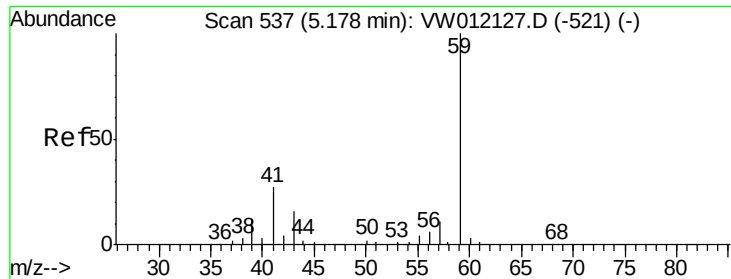
200

100

0

Time-->

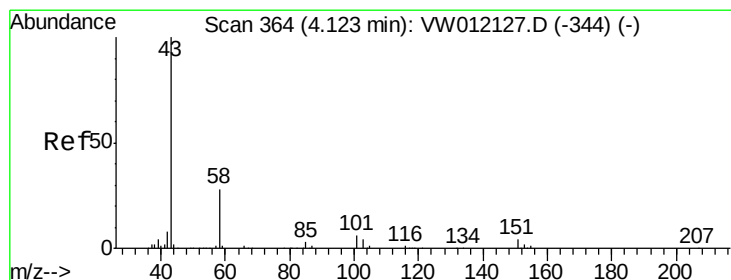
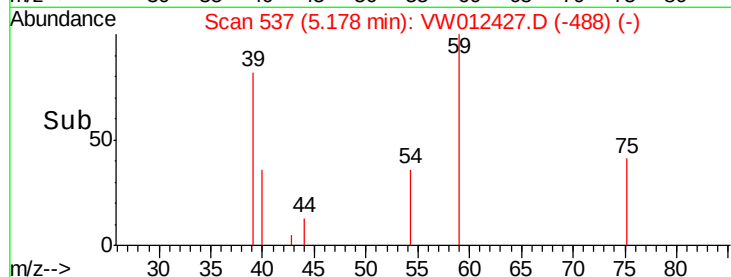
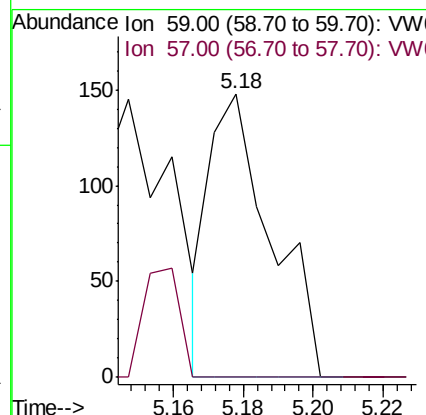
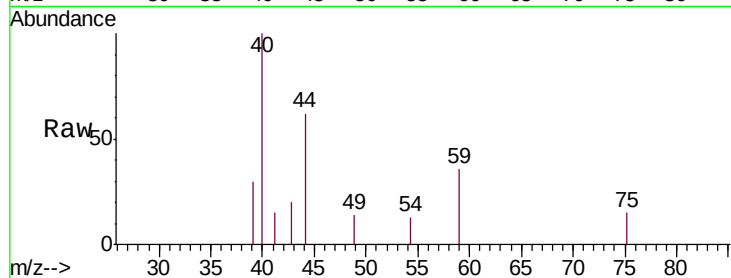




#11
Tert butyl alcohol
Concen: 3.256 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.00 min
Lab File: VW012427.D
Acq: 01 Sep 2019 04:31

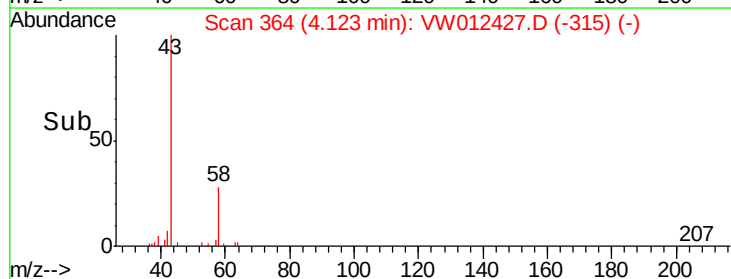
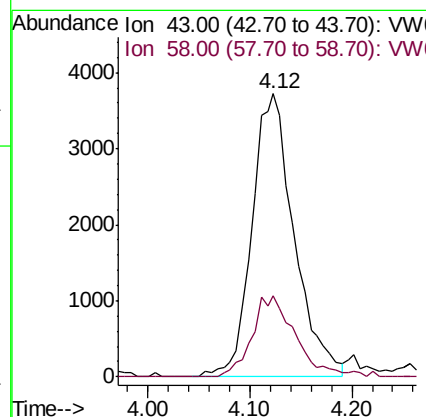
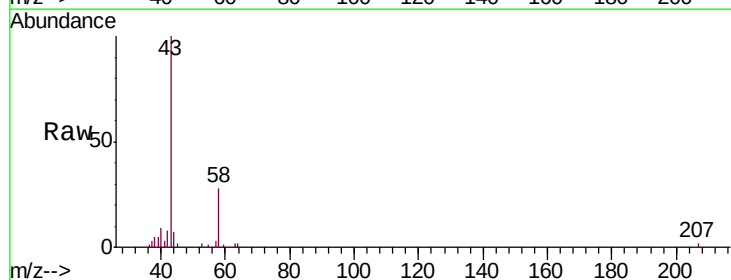
Instrument :
MSVOA_W
ClientSampleId :
T1-S-B3-(2.5)

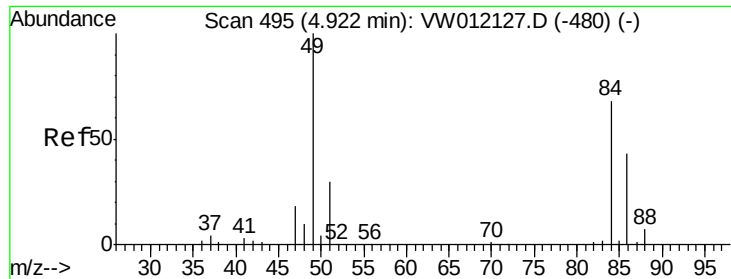
Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 45.547 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW012427.D
Acq: 01 Sep 2019 04:31

Tgt Ion: 43 Resp: 10695
Ion Ratio Lower Upper
43 100
58 28.5 22.4 33.6

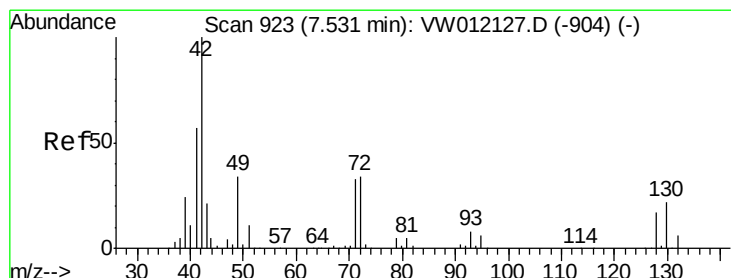
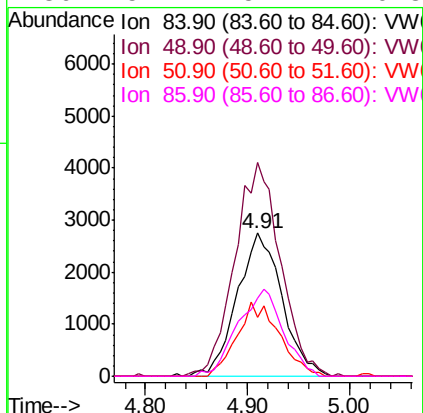
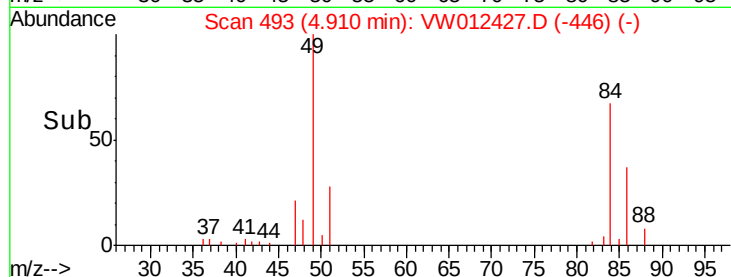
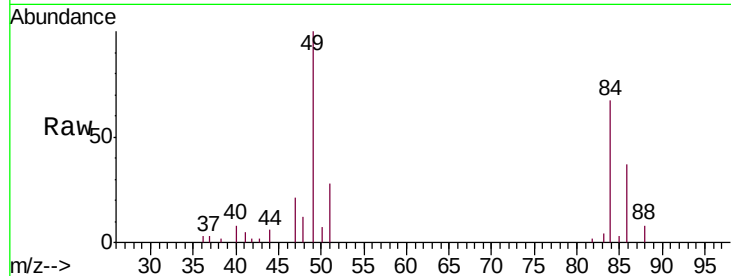




#20
Methylene Chloride
Concen: 9.492 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012427.D
Acq: 01 Sep 2019 04:31

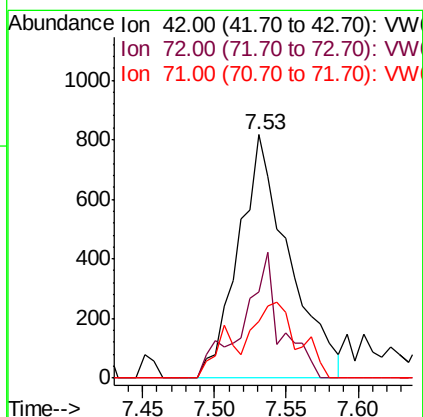
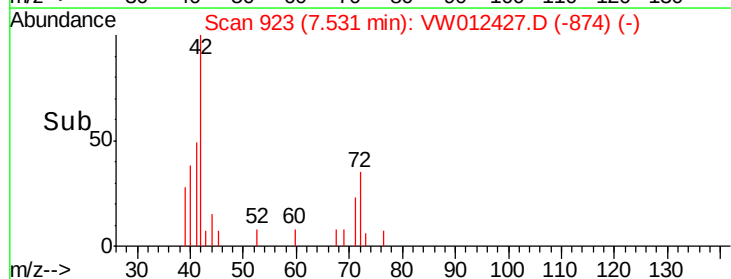
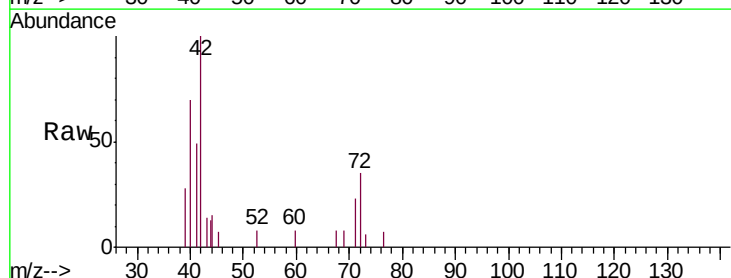
Instrument :
MSVOA_W
ClientSampleId :
T1-S-B3-(2.5)

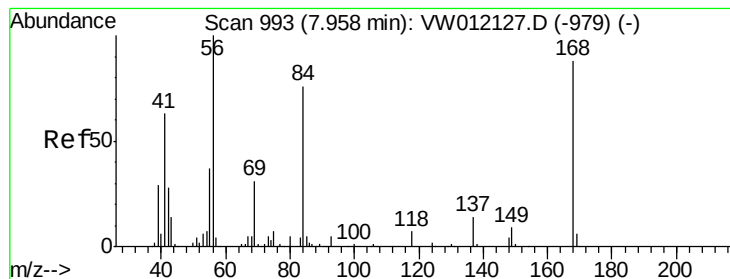
Tgt Ion:	84	Resp:	8426
Ion	Ratio	Lower	Upper
84	100		
49	147.2	117.8	176.8
51	41.2	35.6	53.4
86	54.7	51.2	76.8



#29
Tetrahydrofuran
Concen: 10.395 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012427.D
Acq: 01 Sep 2019 04:31

Tgt Ion:	42	Resp:	1990
Ion	Ratio	Lower	Upper
42	100		
72	38.4	27.3	40.9
71	26.7	25.5	38.3





#31

Cyclohexane

Concen: 1.344 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012427.D

Acq: 01 Sep 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B3-(2.5)

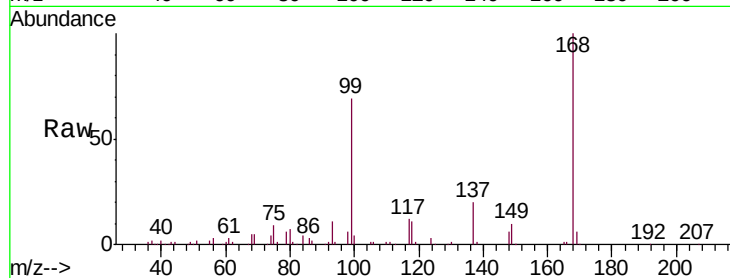
Tgt Ion: 56 Resp: 2224

Ion Ratio Lower Upper

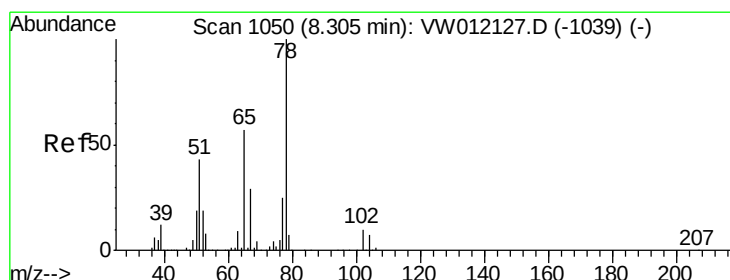
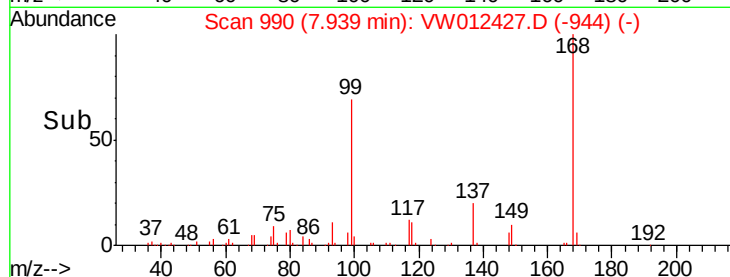
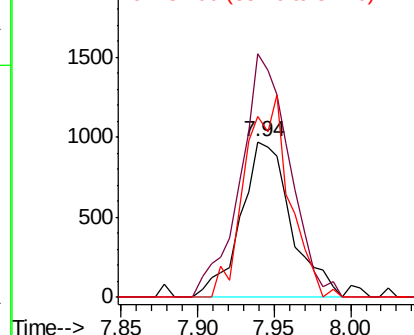
56 100

69 156.3 24.9 37.3#

84 116.3 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: 61.479 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012427.D

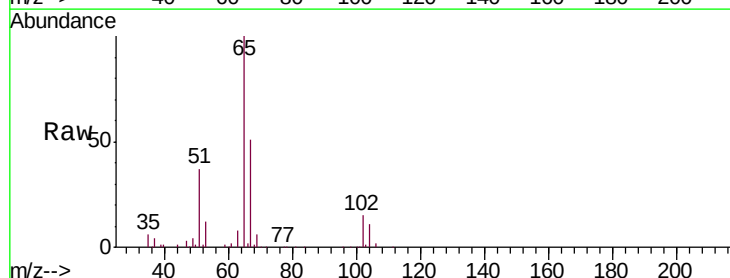
Acq: 01 Sep 2019 04:31

Tgt Ion: 65 Resp: 56474

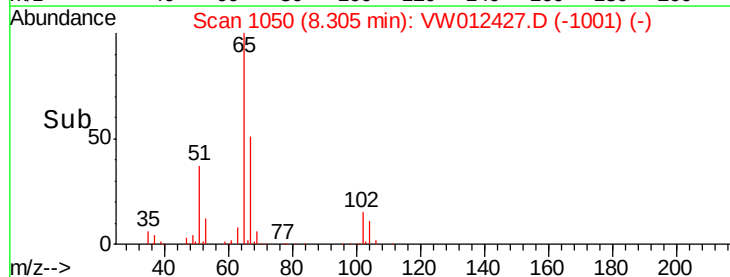
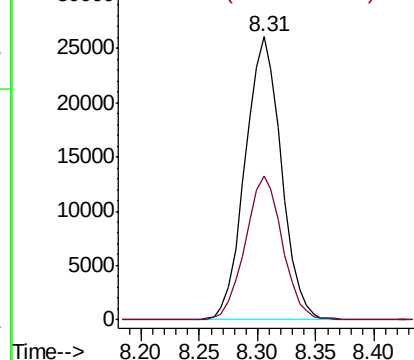
Ion Ratio Lower Upper

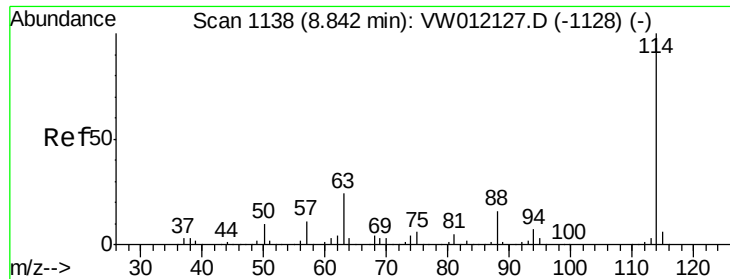
65 100

67 52.0 0.0 102.6



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

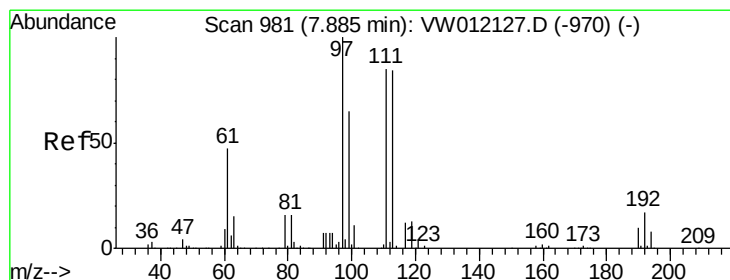
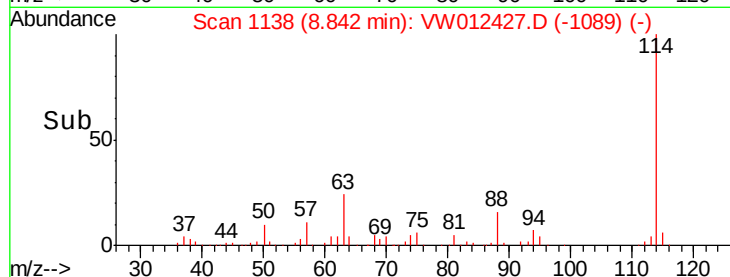
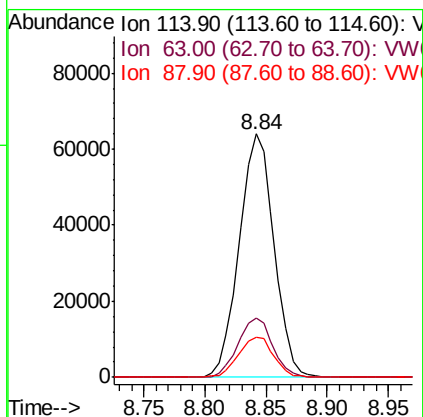
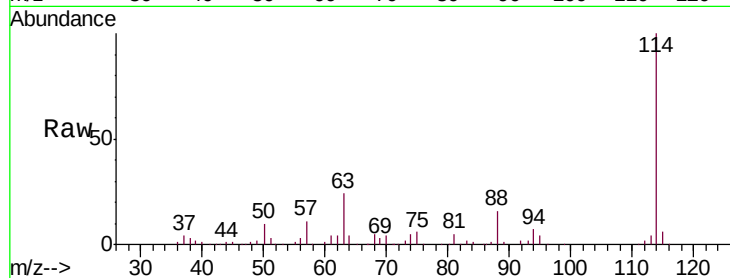




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012427.D
 Acq: 01 Sep 2019 04:31

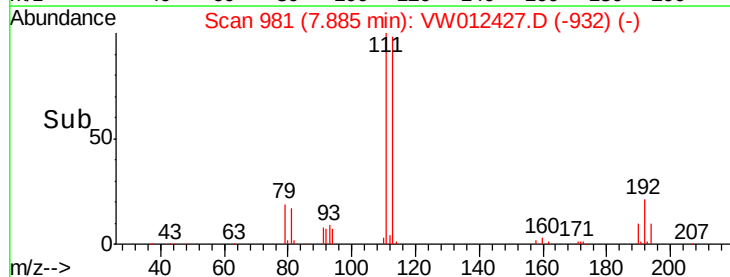
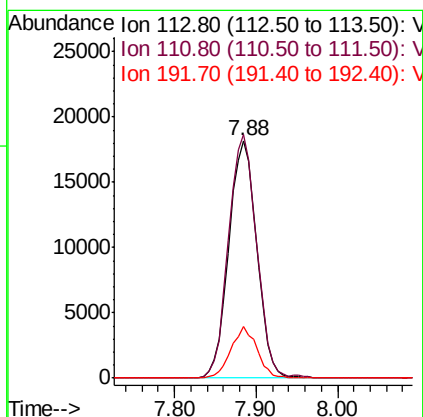
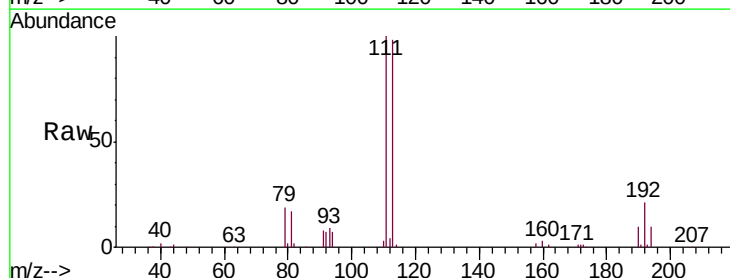
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-B3-(2.5)

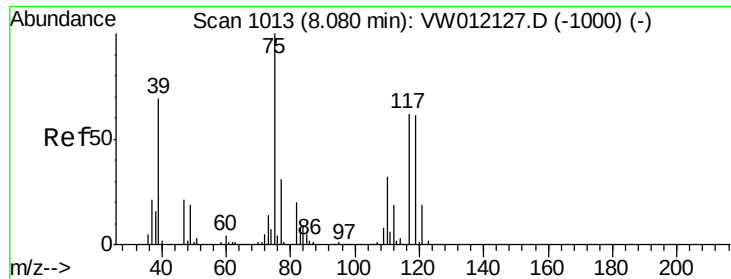
Tgt Ion:114 Resp: 126494
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 48.6
 88 16.2 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 56.992 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012427.D
 Acq: 01 Sep 2019 04:31

Tgt Ion:113 Resp: 43032
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.7 124.1
 192 20.0 16.2 24.2

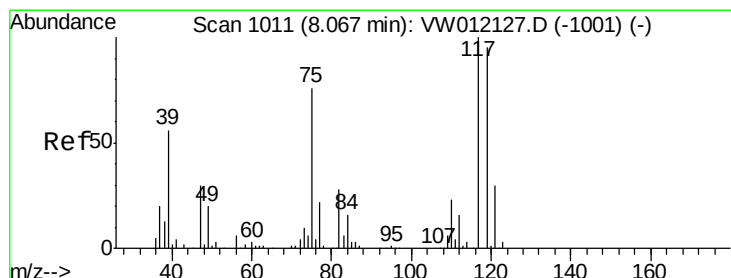
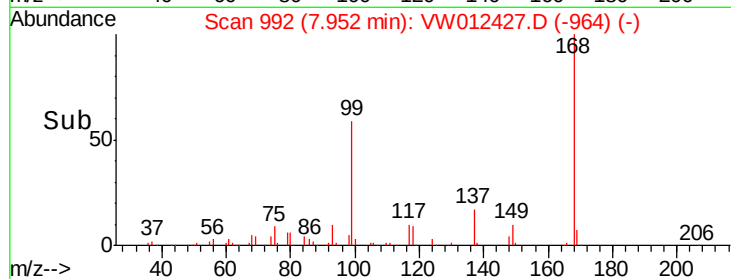
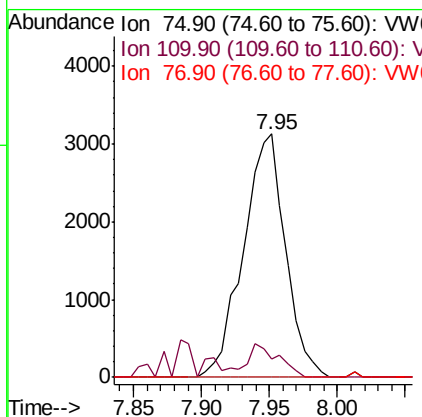
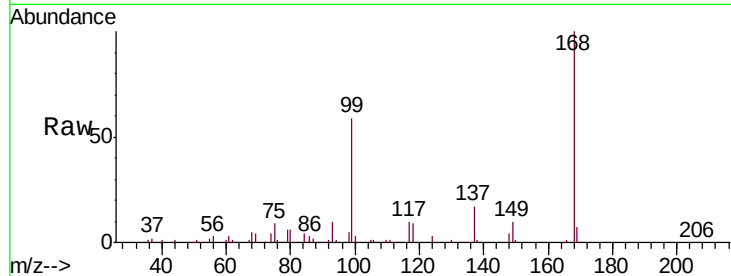




#36
 1,1-Dichloropropene
 Concen: 5.191 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW012427.D
 Acq: 01 Sep 2019 04:31

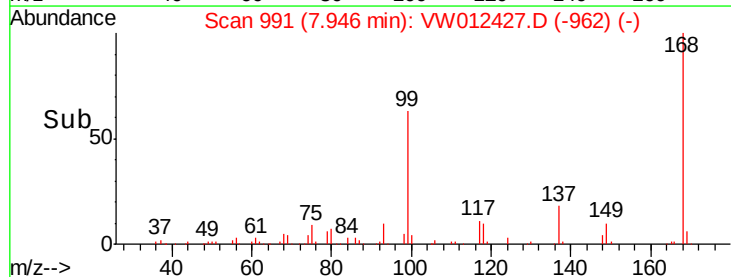
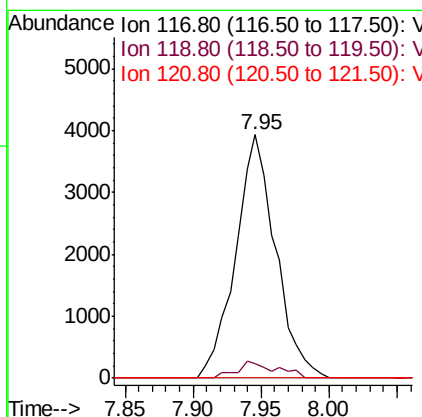
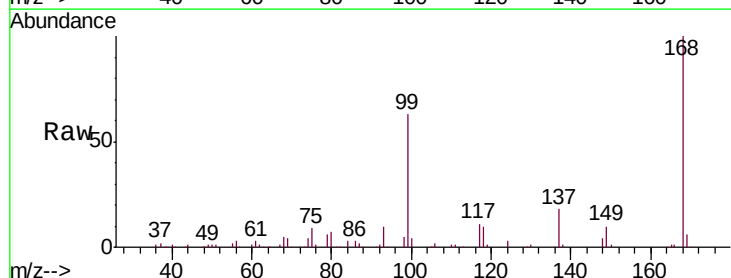
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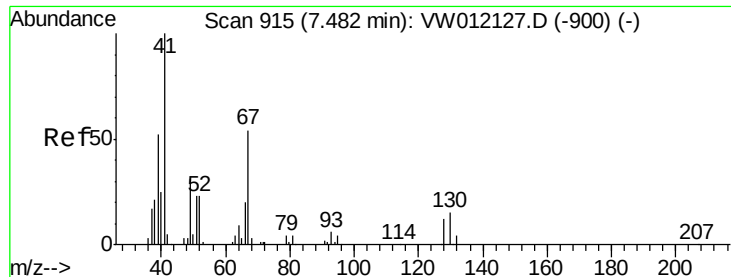
Tgt Ion: 75 Resp: 6786
 Ion Ratio Lower Upper
 75 100
 110 9.4 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.106 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012427.D
 Acq: 01 Sep 2019 04:31

Tgt Ion: 117 Resp: 8040
 Ion Ratio Lower Upper
 117 100
 119 5.9 76.2 114.2#
 121 0.0 23.8 35.8#

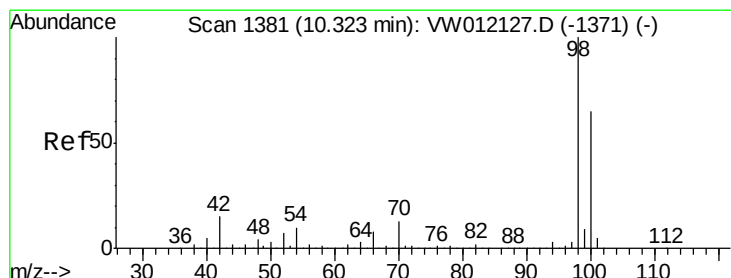
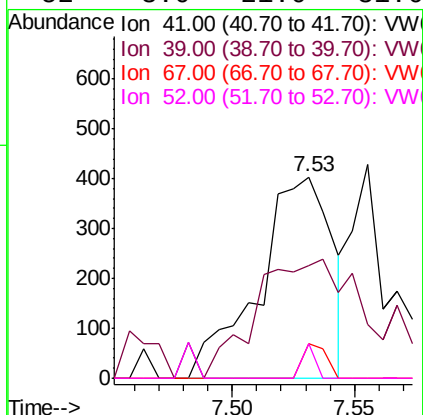
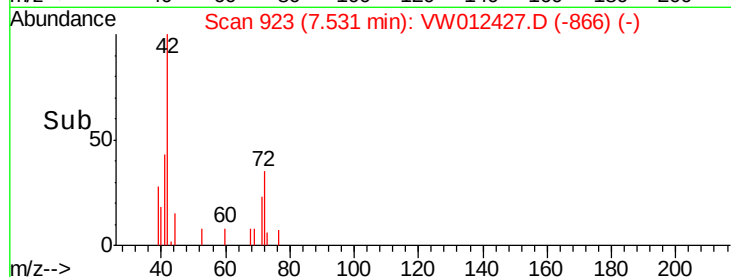
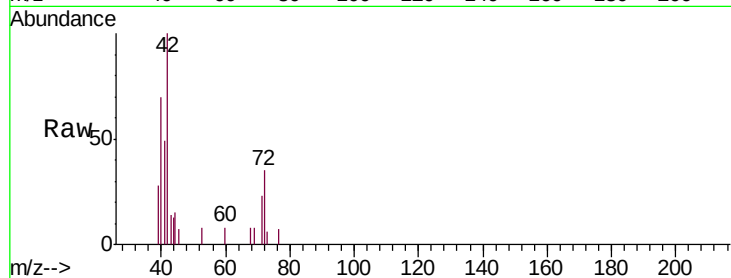




#41
Methacrylonitrile
Concen: 2.005 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012427.D
Acq: 01 Sep 2019 04:31

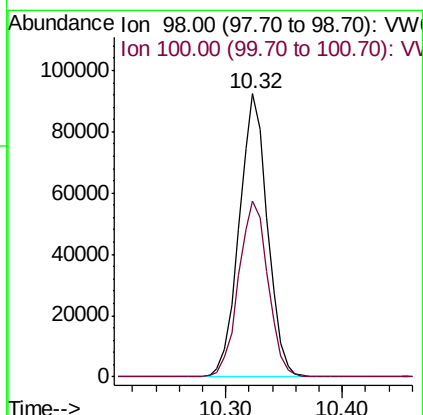
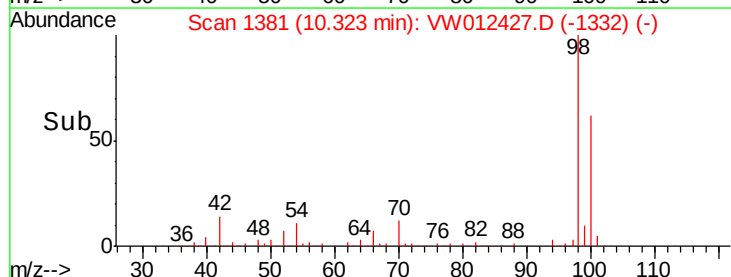
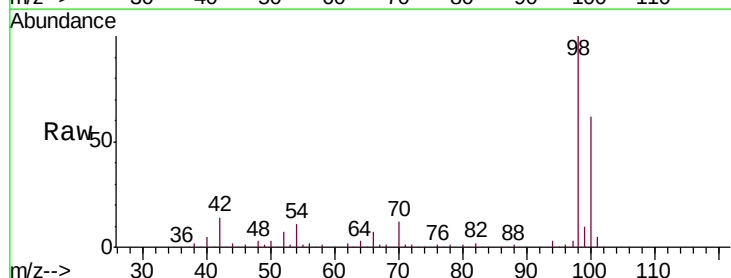
Instrument :
MSVOA_W
ClientSampleId :
T1-S-B3-(2.5)

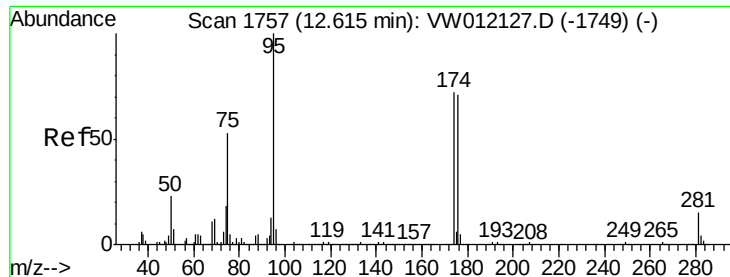
Tgt Ion	Ratio	Lower	Upper
41	100		
39	85.2	45.8	68.8#
67	5.6	46.2	69.4#
52	3.0	21.0	31.6#



#50
Toluene-d8
Concen: 51.137 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012427.D
Acq: 01 Sep 2019 04:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.4	78.6





#62

4-Bromofluorobenzene

Concen: 42.137 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012427.D

Acq: 01 Sep 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B3-(2.5)

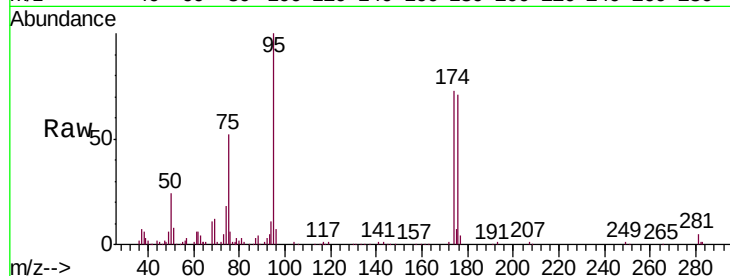
Tgt Ion: 95 Resp: 45473

Ion Ratio Lower Upper

95 100

174 78.6 0.0 150.8

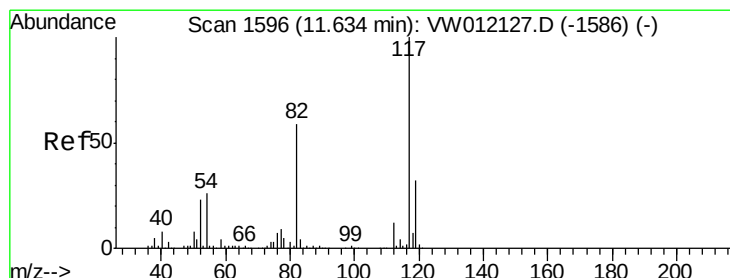
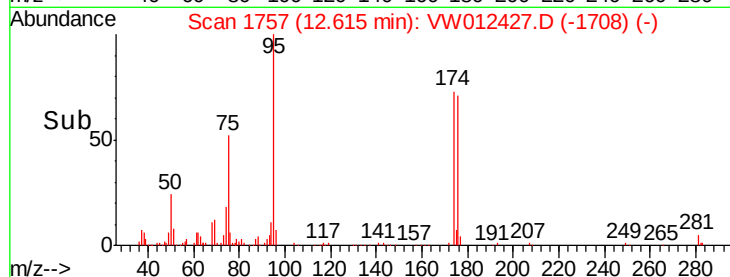
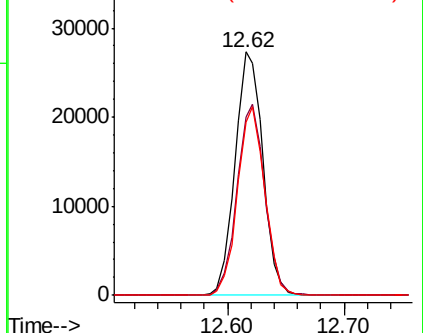
176 76.2 0.0 148.6



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: VW012427.D

Acq: 01 Sep 2019 04:31

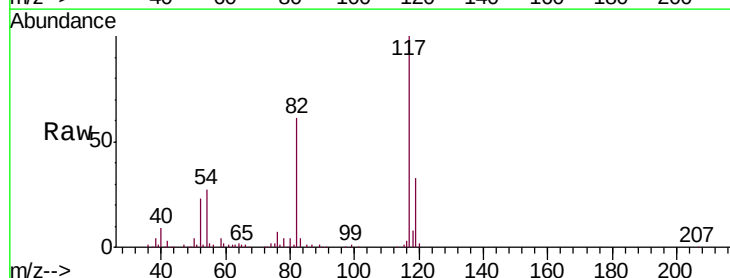
Tgt Ion: 117 Resp: 108557

Ion Ratio Lower Upper

117 100

82 60.6 47.4 71.2

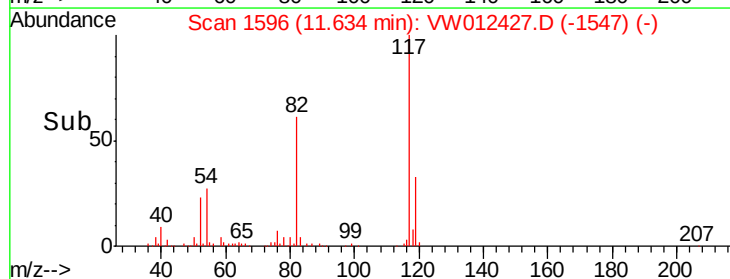
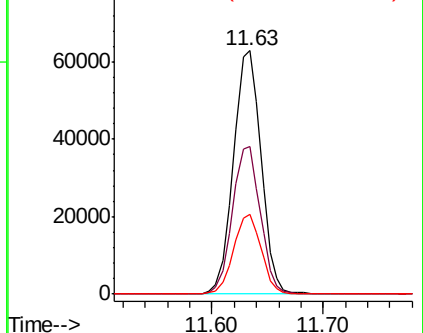
119 32.5 25.4 38.2

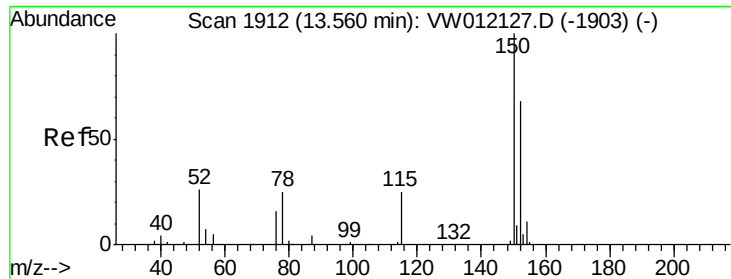


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012427.D

Acq: 01 Sep 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B3-(2.5)

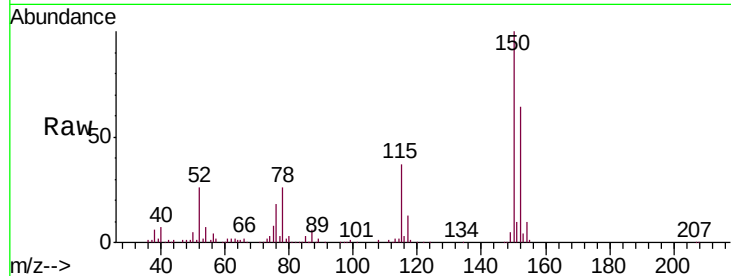
Tgt Ion:152 Resp: 37010

Ion Ratio Lower Upper

152 100

115 60.8 30.1 90.3

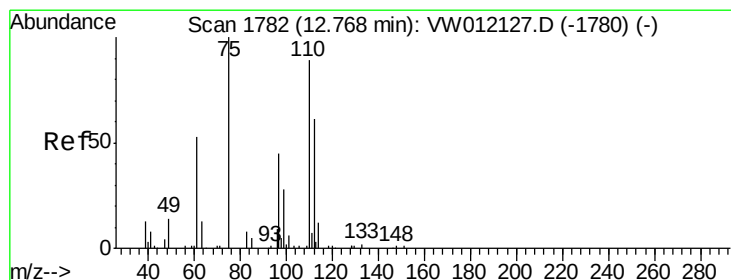
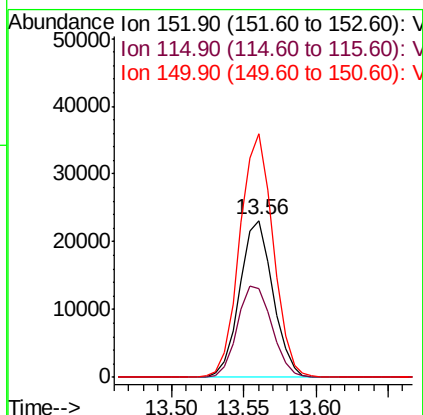
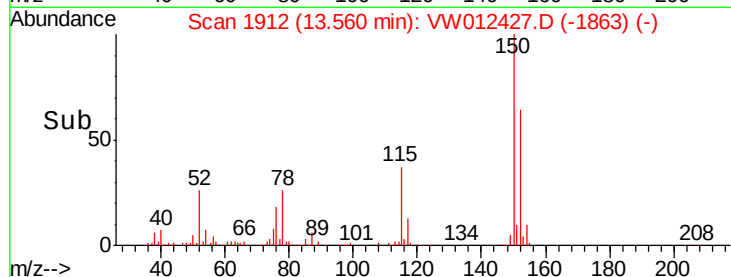
150 156.0 0.0 345.8



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: 70.351 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012427.D

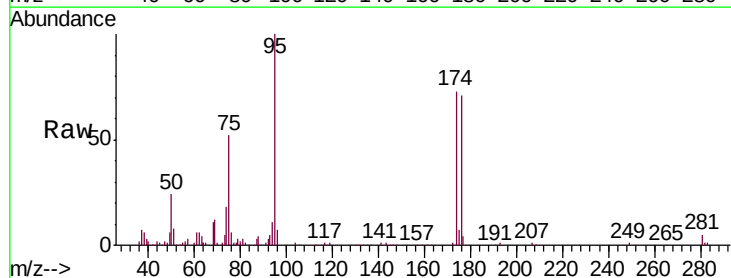
Acq: 01 Sep 2019 04:31

Tgt Ion: 75 Resp: 25358

Ion Ratio Lower Upper

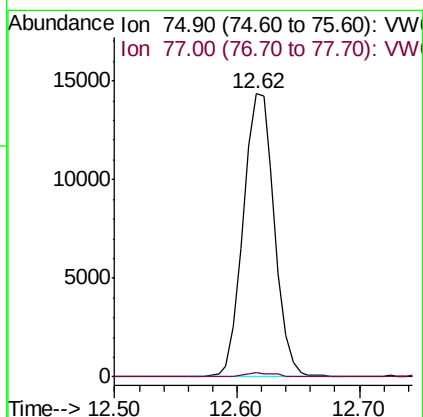
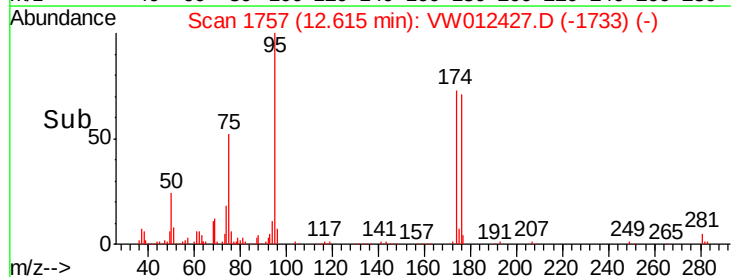
75 100

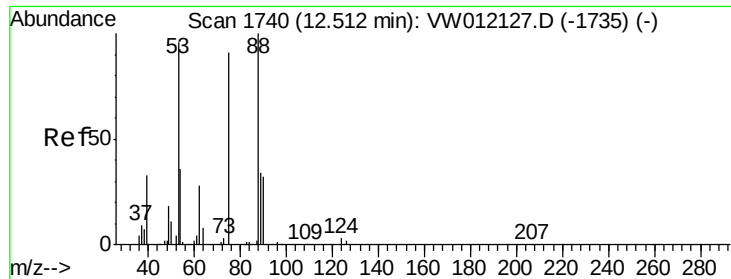
77 1.4 0.0 0.0#



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: 154.247 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012427.D

Acq: 01 Sep 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B3-(2.5)

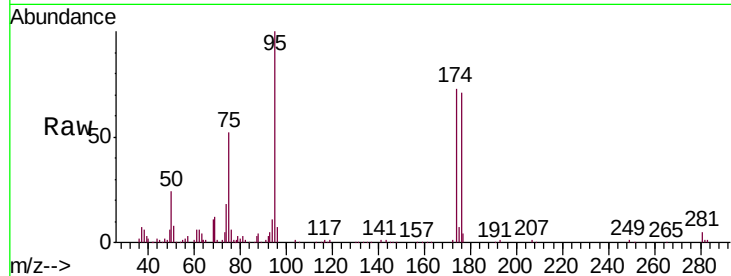
Tgt Ion: 75 Resp: 25358

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

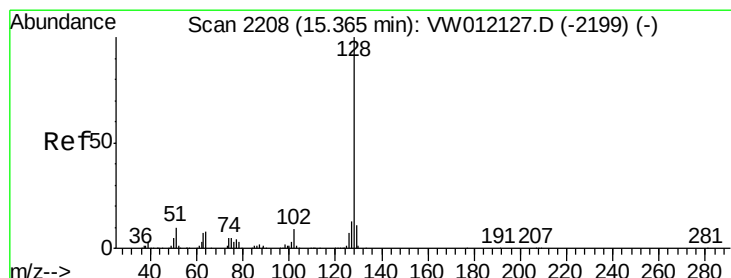
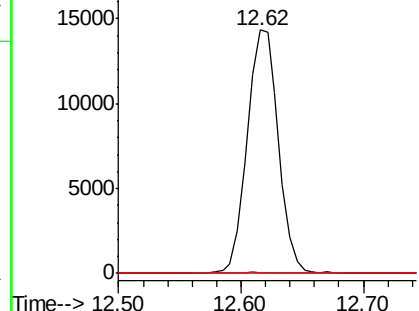
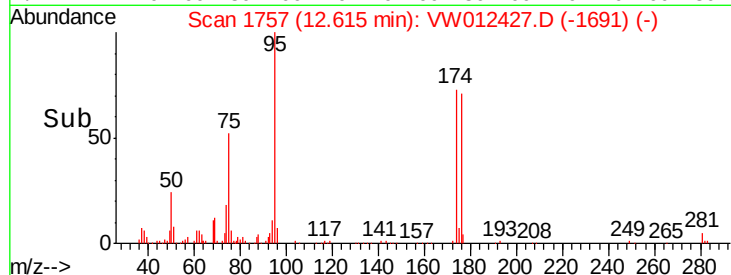
89 0.2 34.5 51.7#



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



#95

Naphthalene

Concen: 4.440 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012427.D

Acq: 01 Sep 2019 04:31

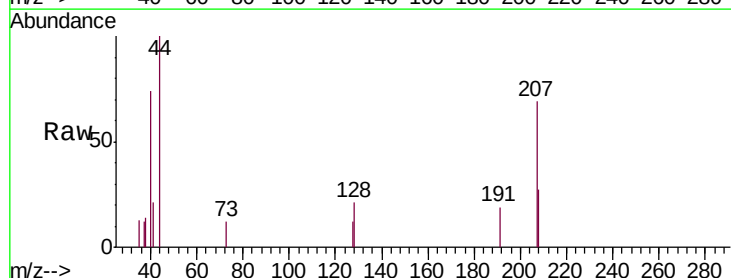
Tgt Ion: 128 Resp: 181

Ion Ratio Lower Upper

128 100

127 10.5 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

