

Data File : VW012179.D
Acq On : 26 Aug 2019 19:06
Operator : SY/VA
Sample : K4474-05RE
Misc : 5.67G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F3-(0)RE

Quant Time: Aug 27 04:58:32 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	206084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	336467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	250537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	73548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134311	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
35) Dibromofluoromethane	7.88	113	106371	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
50) Toluene-d8	10.32	98	406212	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.62	95	102551	35.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.46%	

Target Compounds

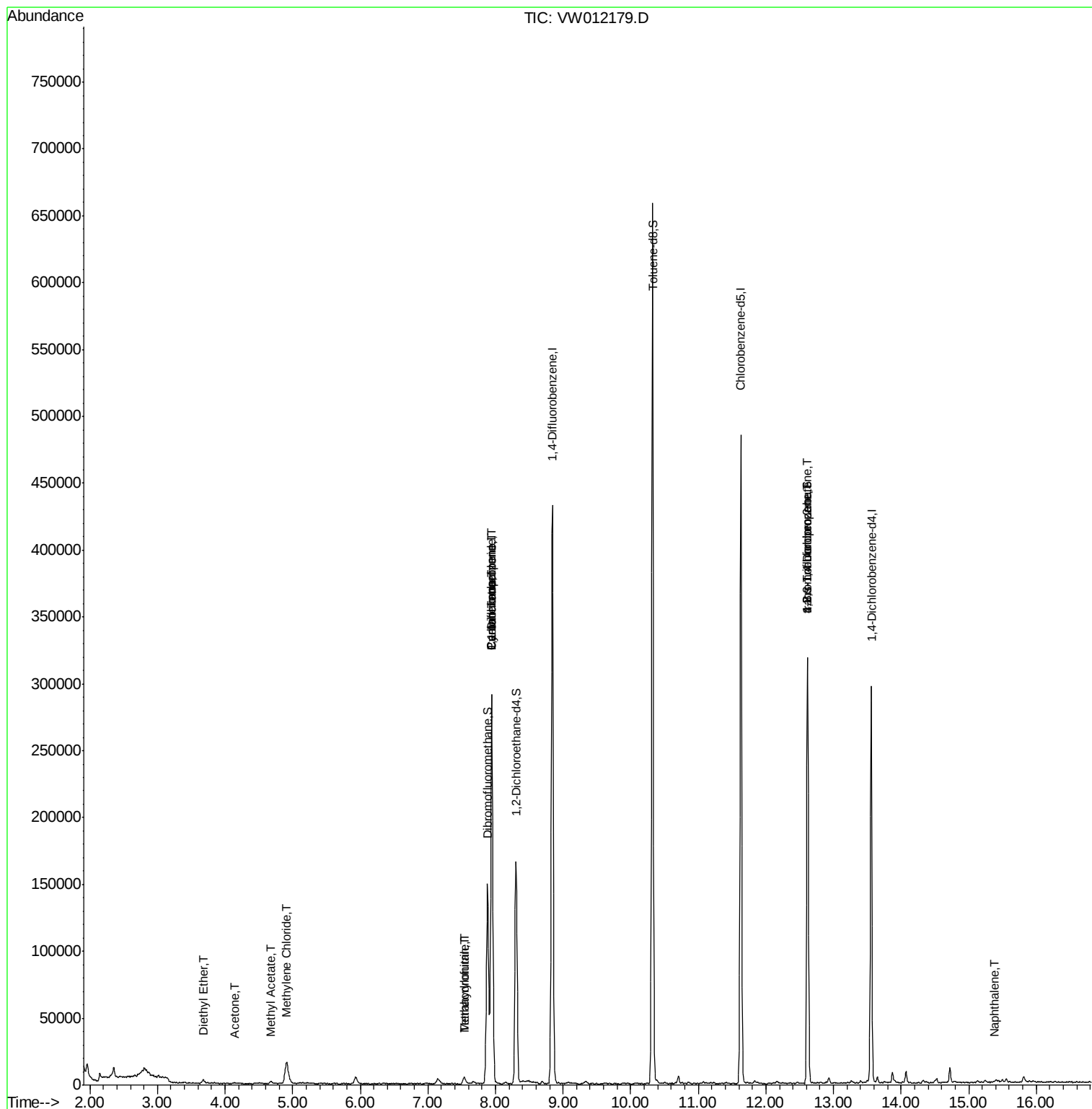
						Qvalue
8) Diethyl Ether	3.67	74	1467	1.279	ug/l	65
16) Acetone	4.14	43	1058	1.689	ug/l	93
18) Methyl Acetate	4.68	43	3194	2.059	ug/l #	76
20) Methylene Chloride	4.90	84	12384	5.231	ug/l	95
29) Tetrahydrofuran	7.54	42	4356	8.532	ug/l	97
31) Cyclohexane	7.95	56	5544	1.256	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18416	5.297	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21113	7.016	ug/l #	17
41) Methacrylonitrile	7.54	41	2893	2.583	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	56012	78.196	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56012	171.447	ug/l #	6
95) Naphthalene	15.37	128	774	4.576	ug/l #	89

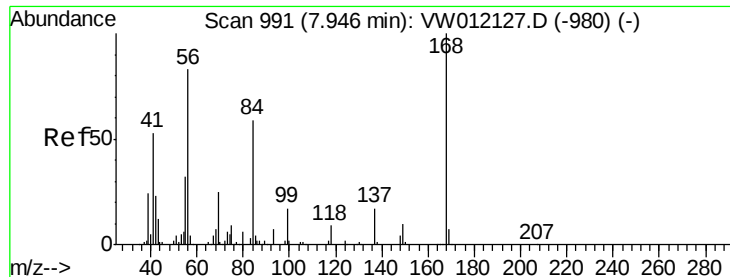
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012179.D

Acq: 26 Aug 2019 19:06

Instrument :

MSVOA_W

ClientSampleId :

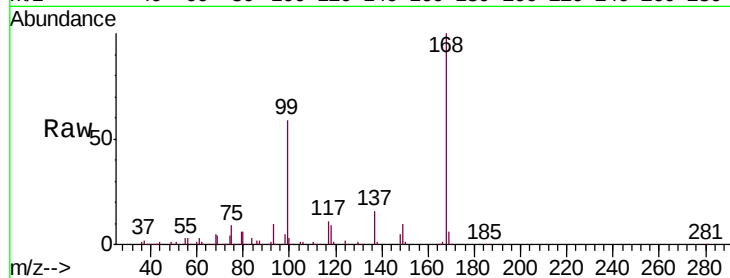
T1-2-F3(0)RE

Tgt Ion:168 Resp: 206084

Ion Ratio Lower Upper

168 100

99 58.9 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

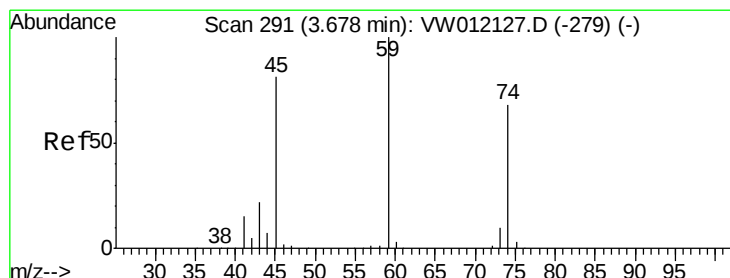
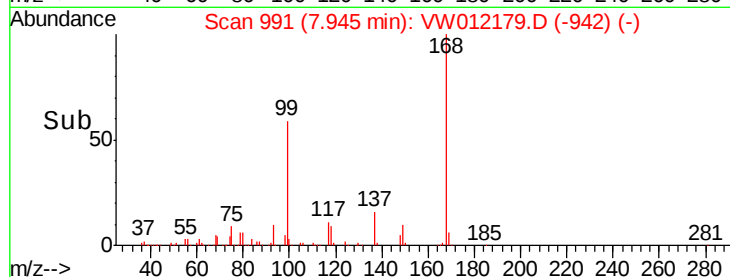
Time-->

7.80

7.90

8.00

8.10



#8

Diethyl Ether

Concen: 1.279 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012179.D

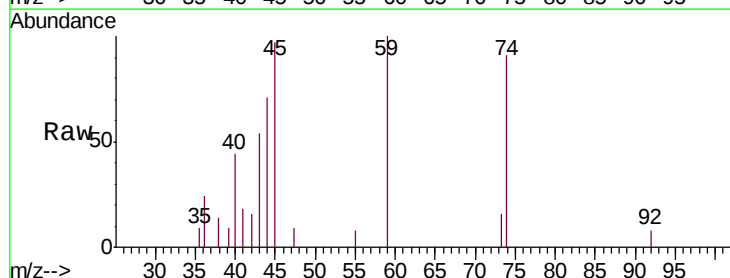
Acq: 26 Aug 2019 19:06

Tgt Ion: 74 Resp: 1467

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

1000

800

600

400

200

0

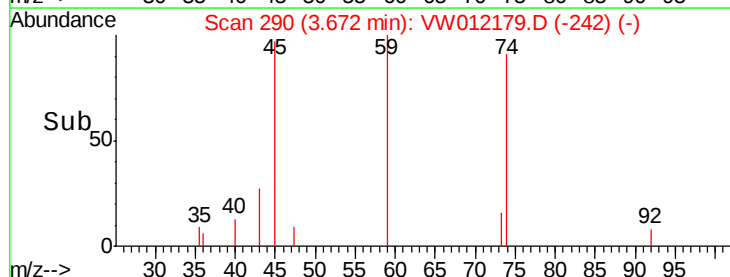
Time-->

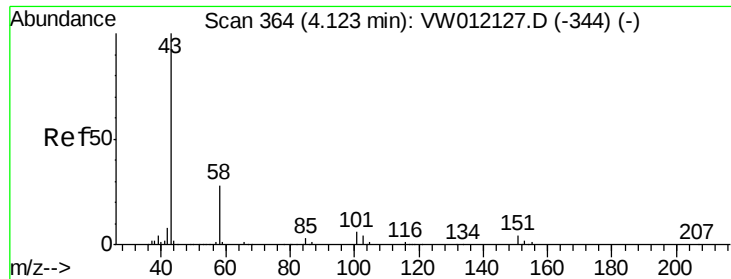
3.60

3.65

3.70

3.75





#16

Acetone

Concen: 1.689 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012179.D

Acq: 26 Aug 2019 19:06

Instrument :

MSVOA_W

ClientSampled :

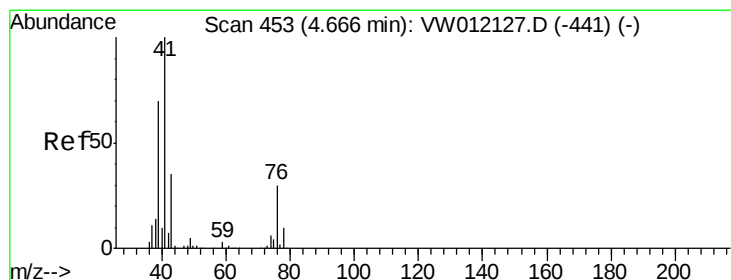
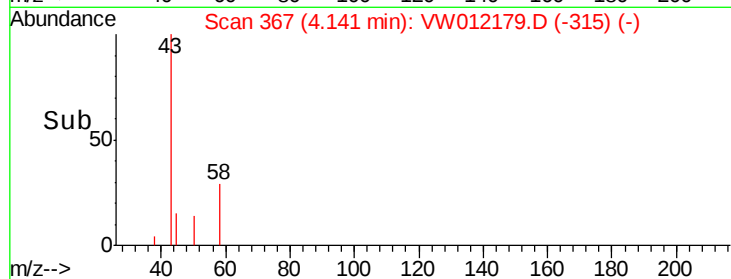
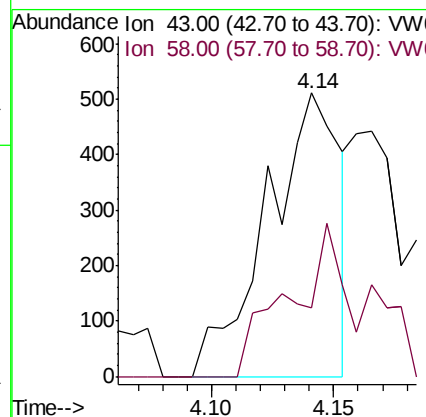
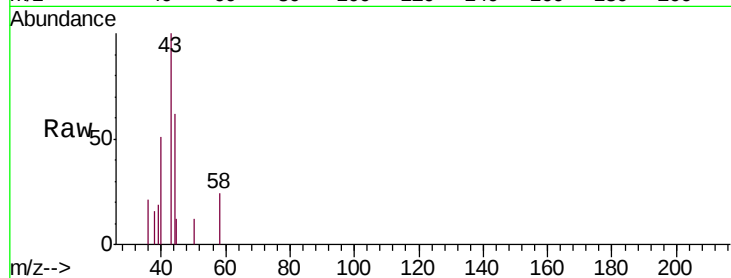
T1-2-F3-(0)RE

Tgt Ion: 43 Resp: 1058

Ion Ratio Lower Upper

43 100

58 24.1 22.4 33.6



#18

Methyl Acetate

Concen: 2.059 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW012179.D

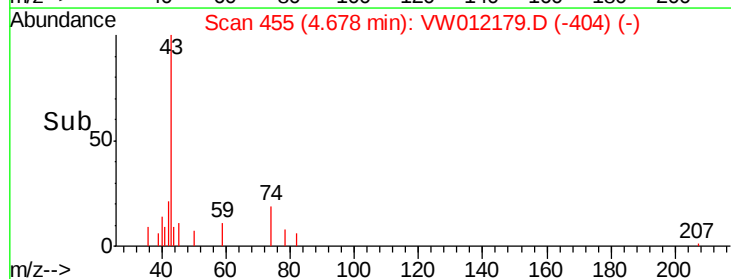
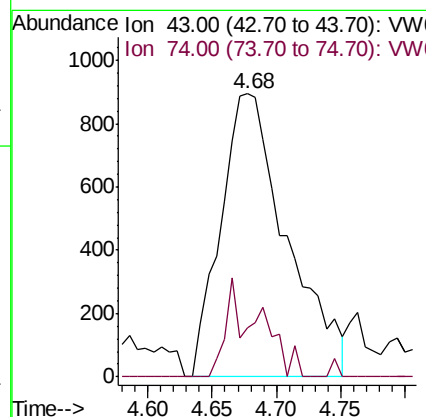
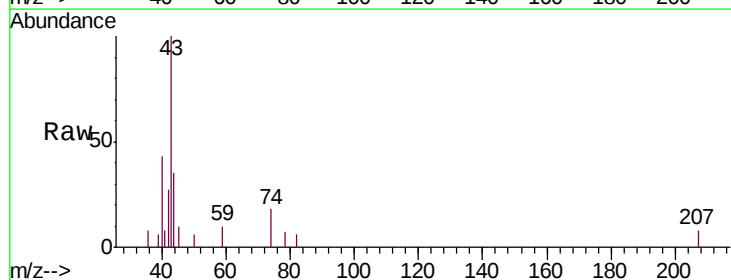
Acq: 26 Aug 2019 19:06

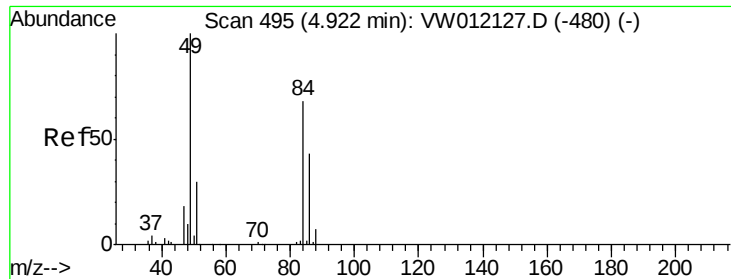
Tgt Ion: 43 Resp: 3194

Ion Ratio Lower Upper

43 100

74 8.8 15.7 23.5#

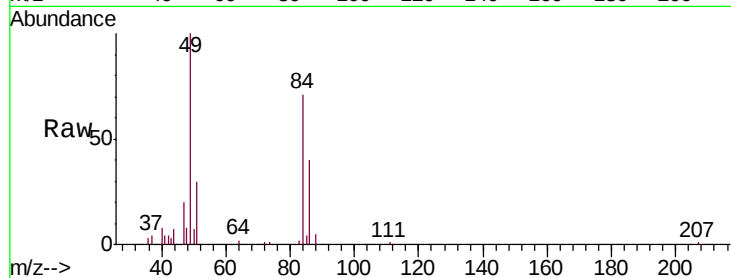




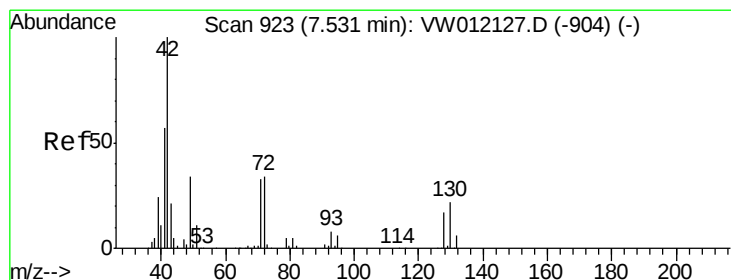
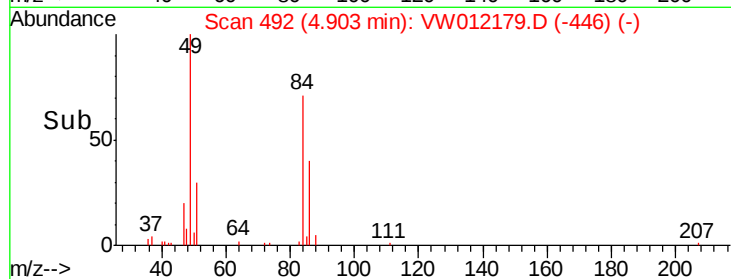
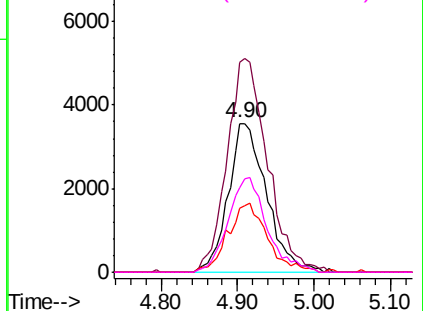
#20
Methylene Chloride
Concen: 5.231 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012179.D
Acq: 26 Aug 2019 19:06

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F3-(0)RE

Tgt Ion:	84	Resp:	12384
Ion	Ratio	Lower	Upper
84	100		
49	141.3	117.8	176.8
51	42.8	35.6	53.4
86	57.1	51.2	76.8

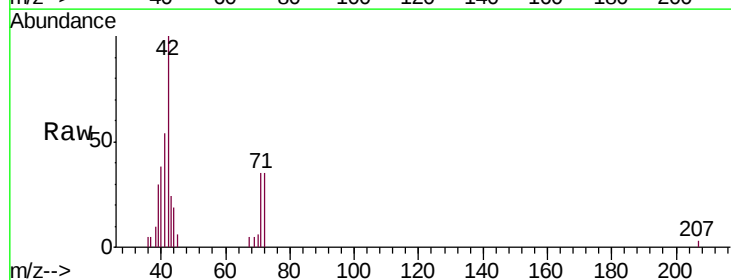


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

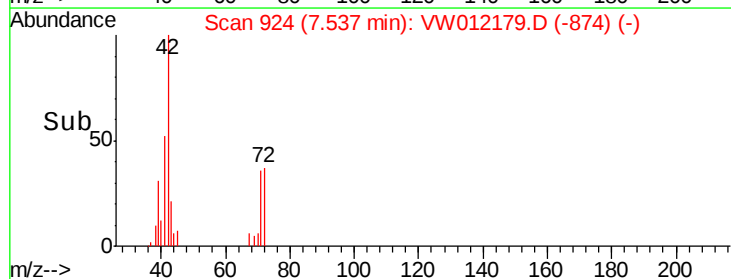
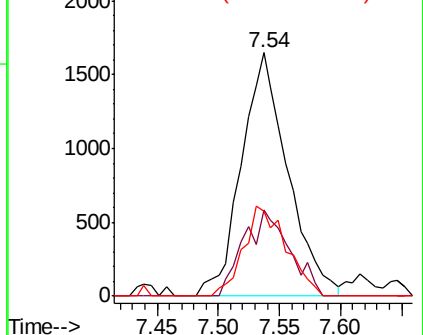


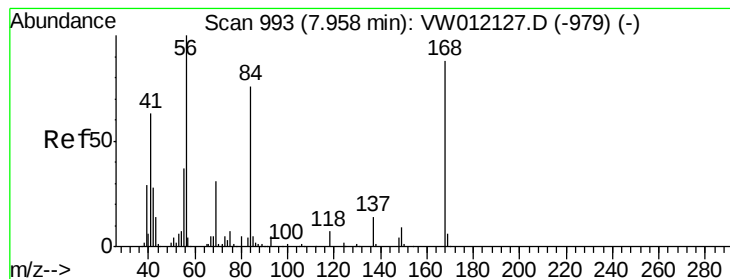
#29
Tetrahydrofuran
Concen: 8.532 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012179.D
Acq: 26 Aug 2019 19:06

Tgt Ion:	42	Resp:	4356
Ion	Ratio	Lower	Upper
42	100		
72	34.9	27.3	40.9
71	34.0	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: 1.256 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012179.D

Acq: 26 Aug 2019 19:06

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F3-(0)RE

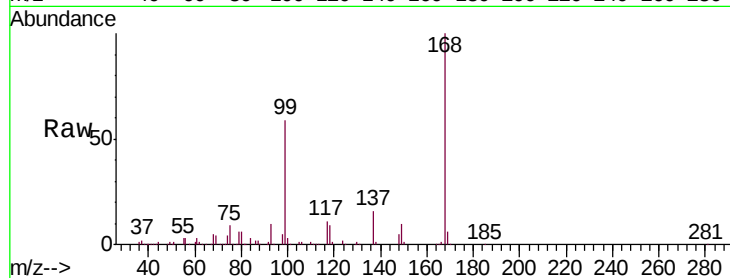
Tgt Ion: 56 Resp: 5544

Ion Ratio Lower Upper

56 100

69 151.0 24.9 37.3#

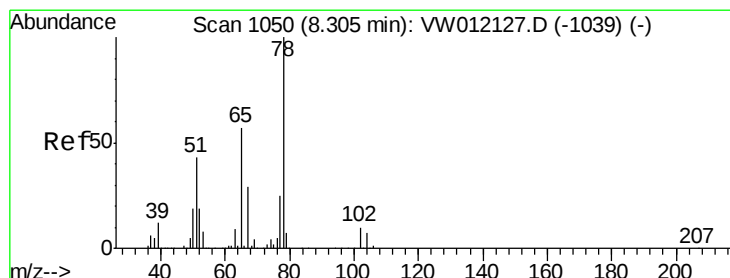
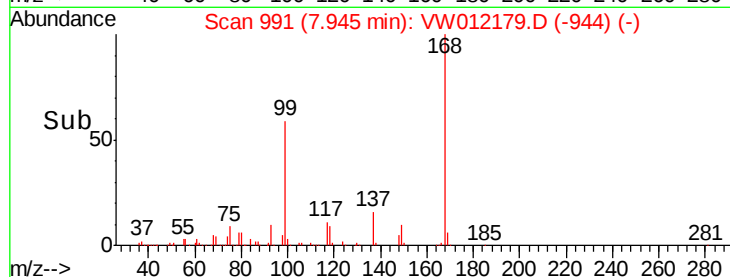
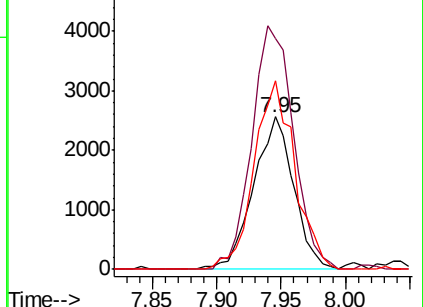
84 123.8 60.6 90.8#



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: 54.824 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012179.D

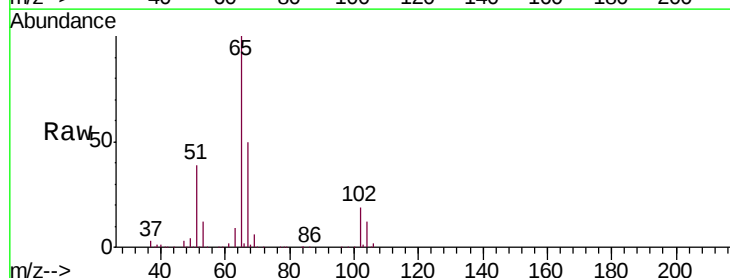
Acq: 26 Aug 2019 19:06

Tgt Ion: 65 Resp: 134311

Ion Ratio Lower Upper

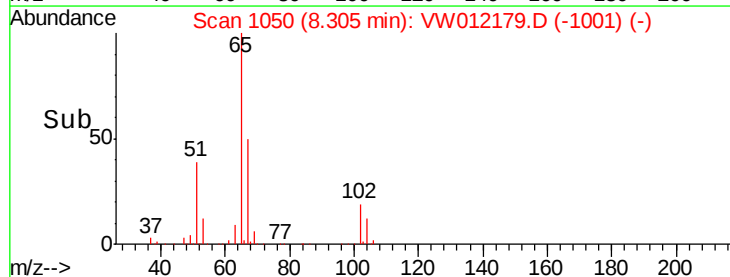
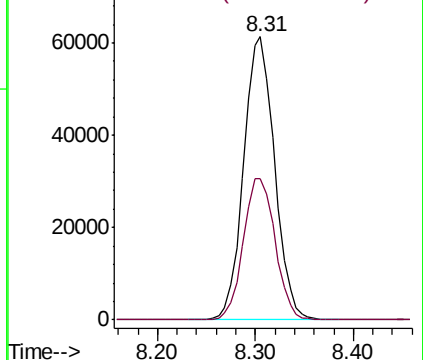
65 100

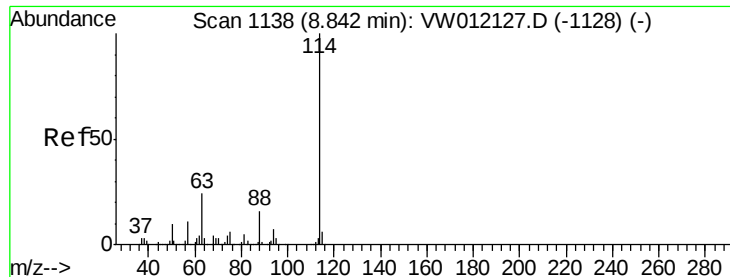
67 51.6 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

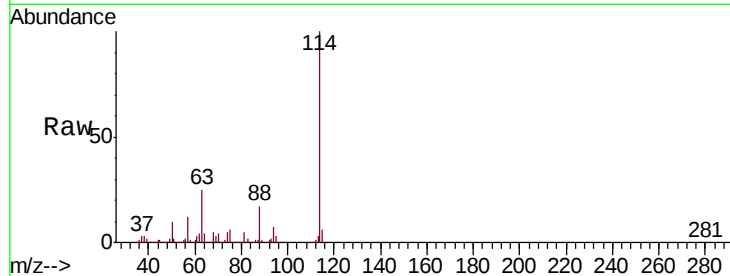




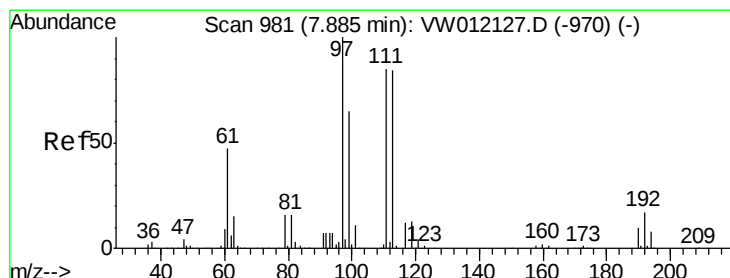
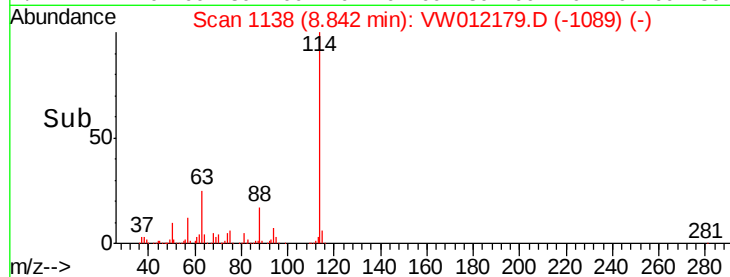
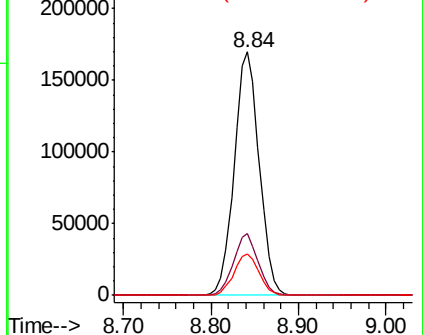
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012179.D
 Acq: 26 Aug 2019 19:06

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F3-(0)RE

Tgt Ion:114 Resp: 336467
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 48.6
 88 17.0 0.0 32.2

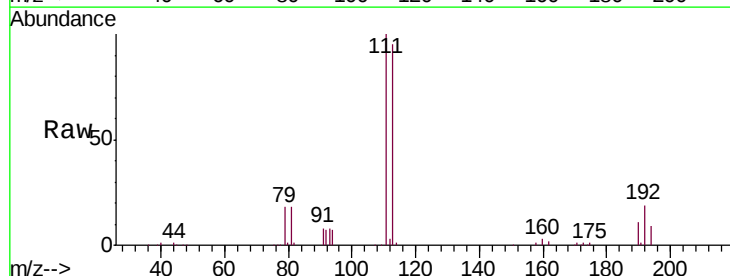


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

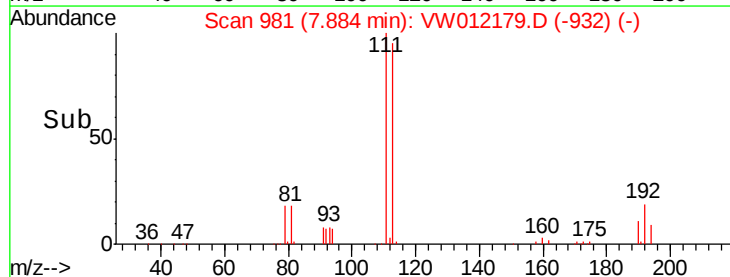
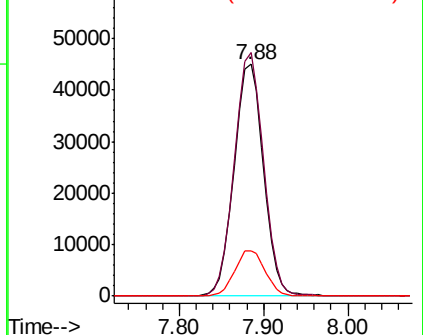


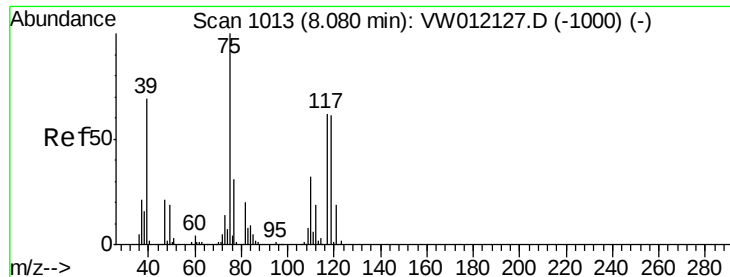
#35
 Dibromofluoromethane
 Concen: 52.964 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012179.D
 Acq: 26 Aug 2019 19:06

Tgt Ion:113 Resp: 106371
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.7 124.1
 192 20.1 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

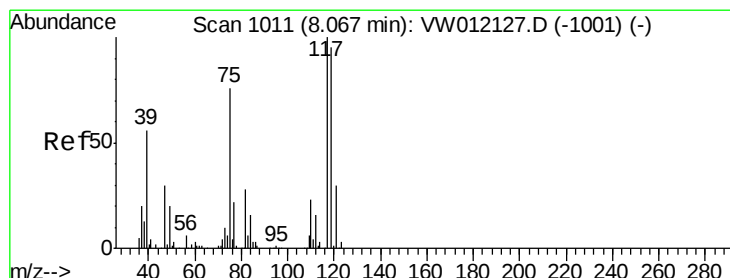
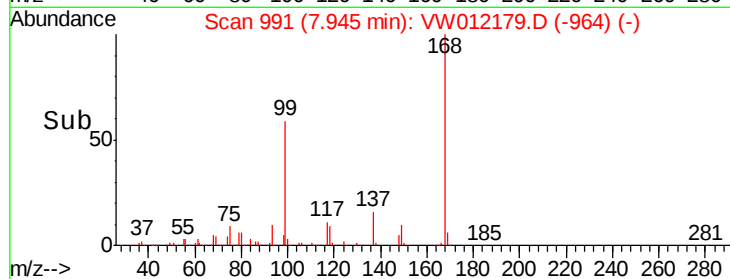
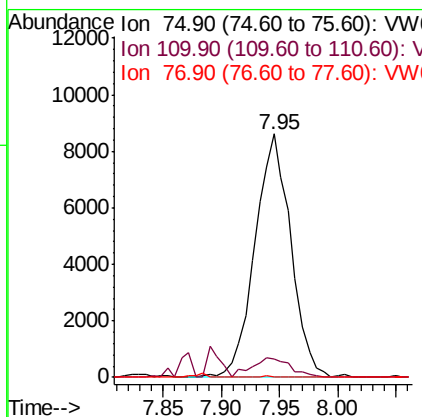
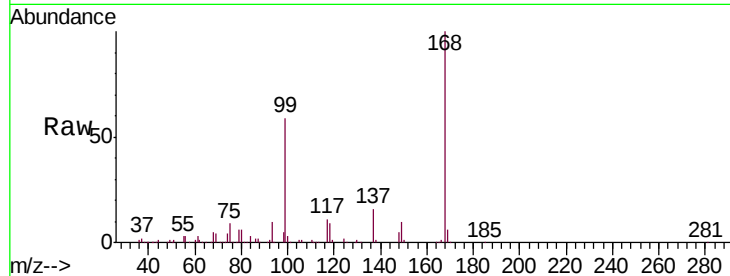




#36
 1,1-Dichloropropene
 Concen: 5.297 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012179.D
 Acq: 26 Aug 2019 19:06

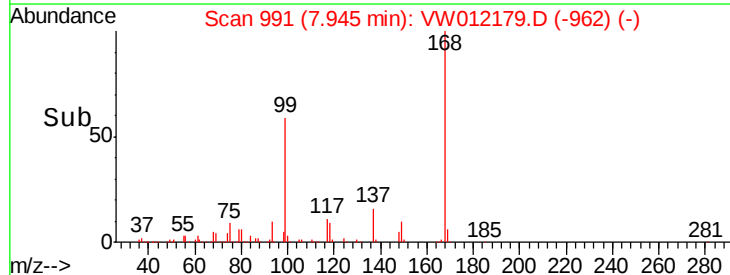
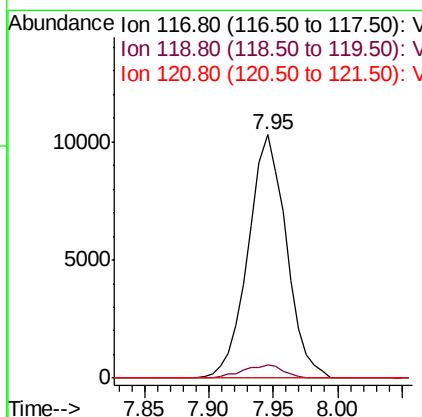
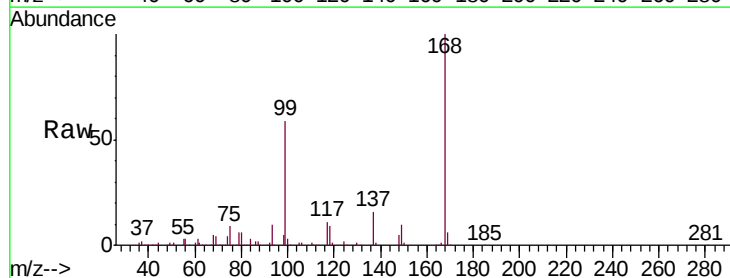
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F3-(0)RE

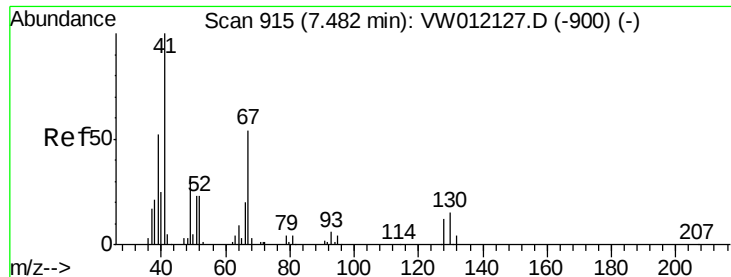
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.6	46.8#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 7.016 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012179.D
 Acq: 26 Aug 2019 19:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.2	114.2#
121	0.0	23.8	35.8#





#41

Methacrylonitrile

Concen: 2.583 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012179.D

Acq: 26 Aug 2019 19:06

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F3-(0)RE

Tgt Ion: 41 Resp: 2893

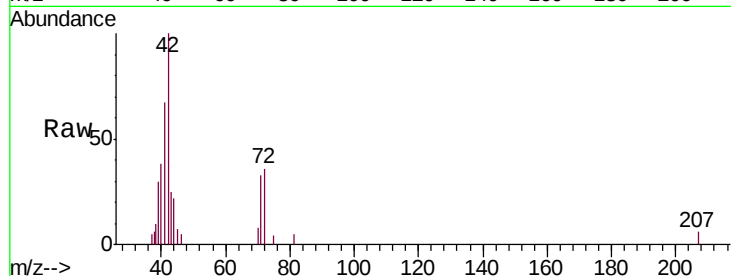
Ion Ratio Lower Upper

41 100

39 55.0 45.8 68.8

67 1.1 46.2 69.4#

52 0.0 21.0 31.6#

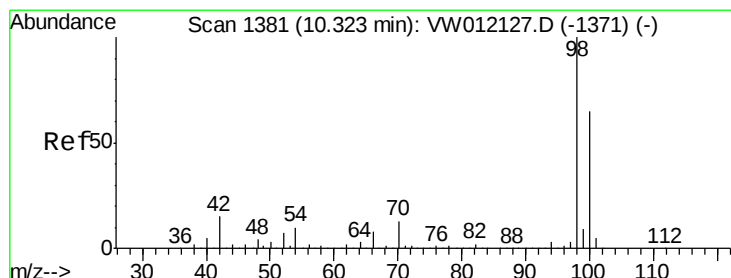
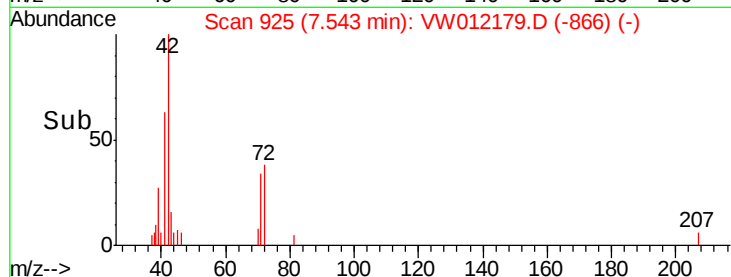
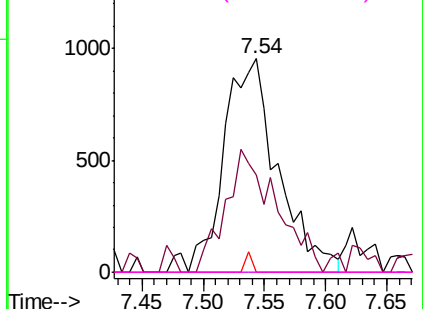


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 49.882 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012179.D

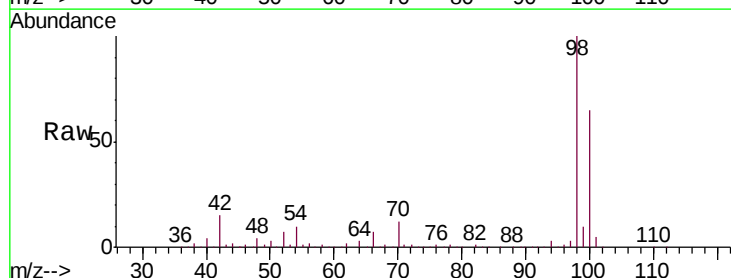
Acq: 26 Aug 2019 19:06

Tgt Ion: 98 Resp: 406212

Ion Ratio Lower Upper

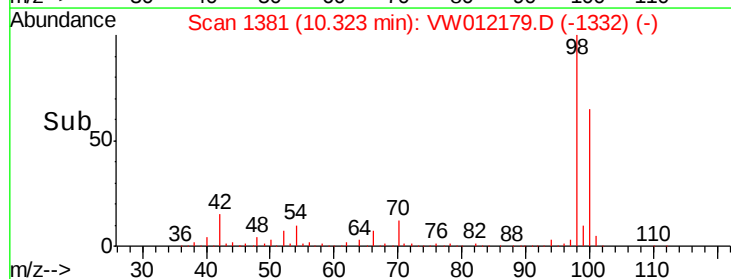
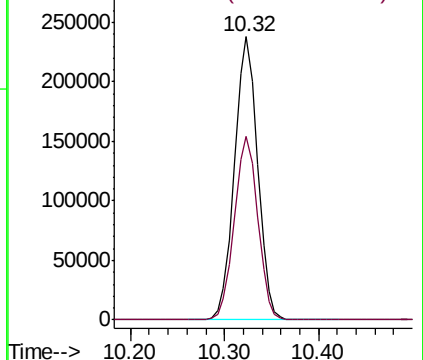
98 100

100 65.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

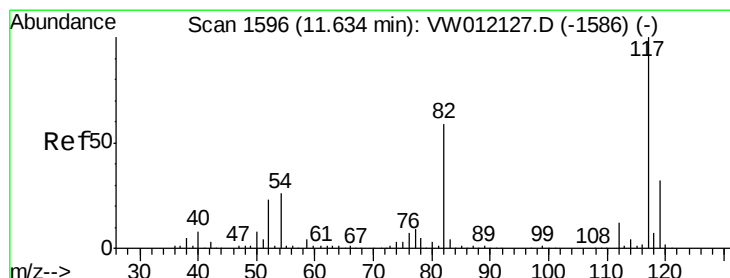
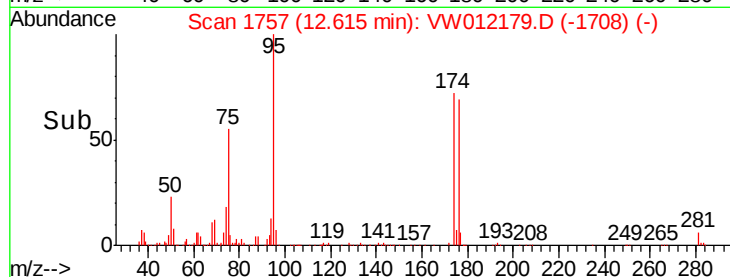
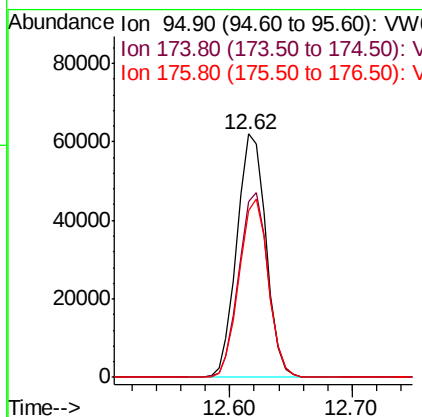
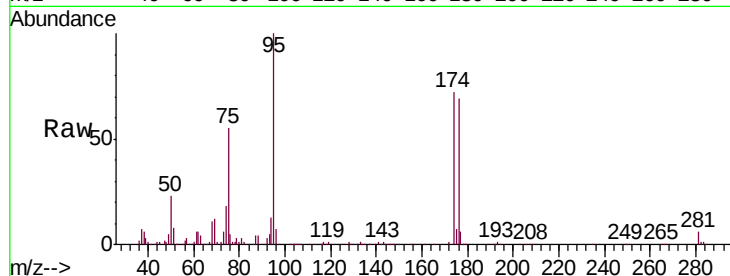




#62
4-Bromofluorobenzene
Concen: 35.725 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012179.D
Acq: 26 Aug 2019 19:06

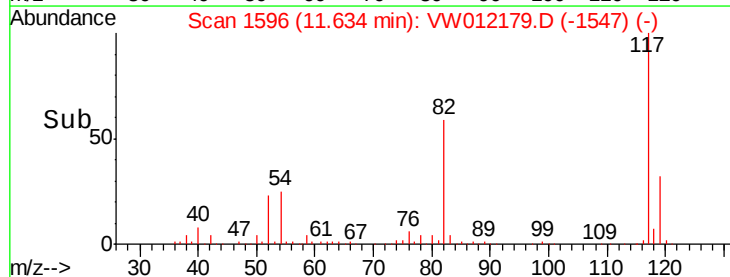
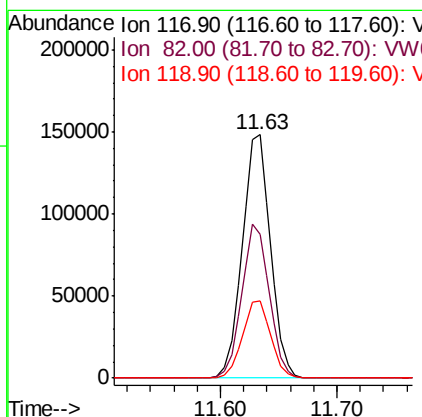
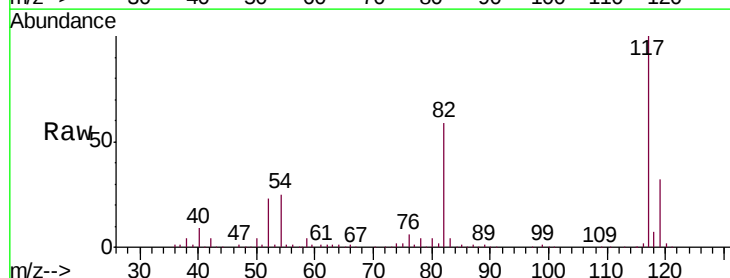
Instrument :
MSVOA_W
ClientSampleId :
T1-2-F3-(0)RE

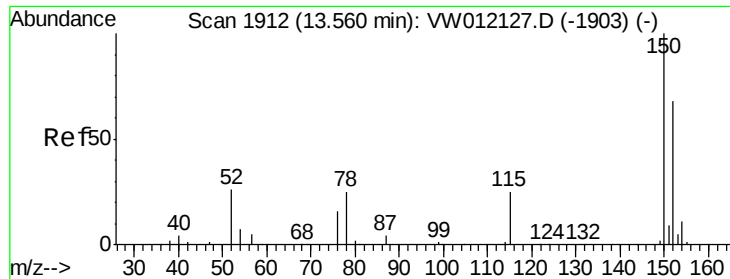
Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	150.8
176	73.7	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012179.D
Acq: 26 Aug 2019 19:06

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.4	71.2
119	31.9	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: VW012179.D

Acq: 26 Aug 2019 19:06

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F3-(0)RE

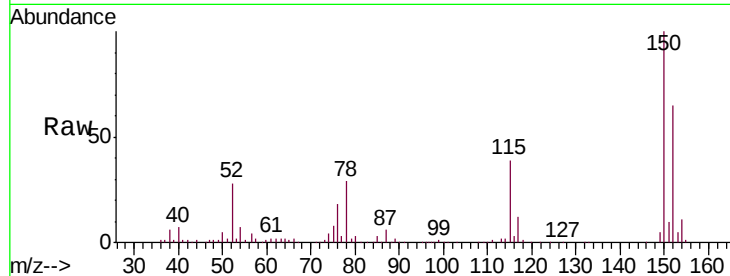
Tgt Ion:152 Resp: 73548

Ion Ratio Lower Upper

152 100

115 61.0 30.1 90.3

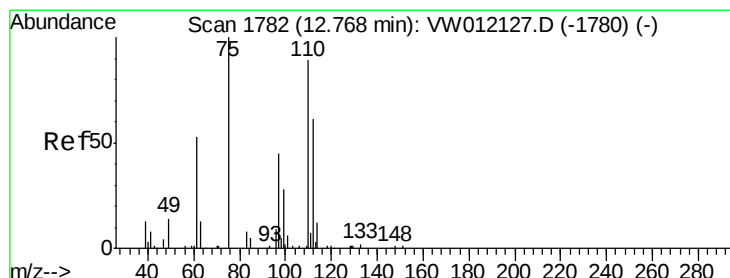
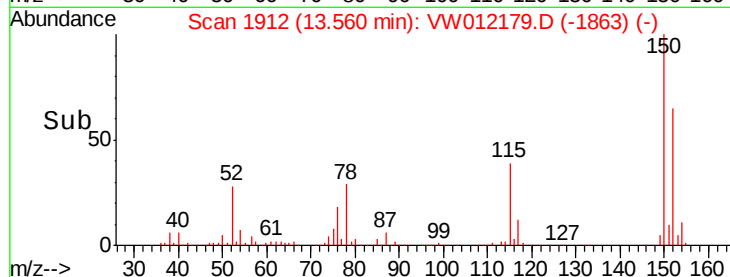
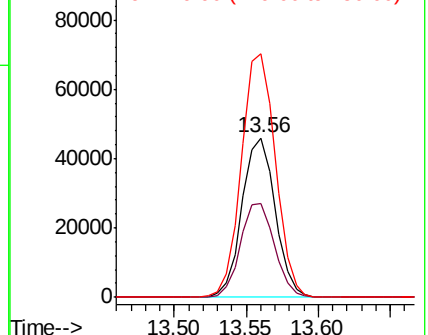
150 156.3 0.0 345.8



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: 78.196 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012179.D

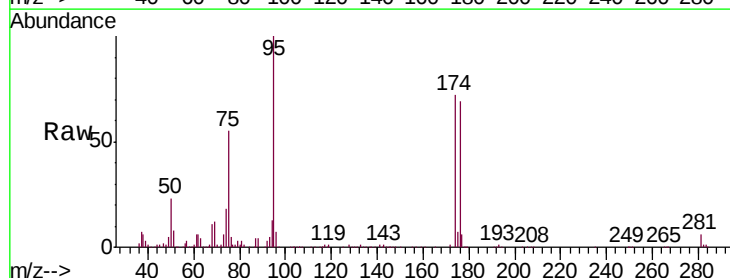
Acq: 26 Aug 2019 19:06

Tgt Ion: 75 Resp: 56012

Ion Ratio Lower Upper

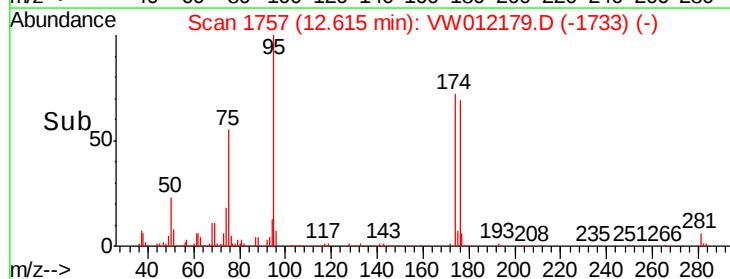
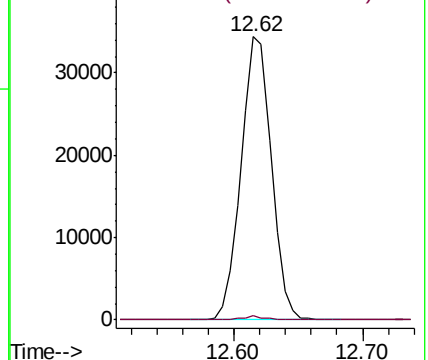
75 100

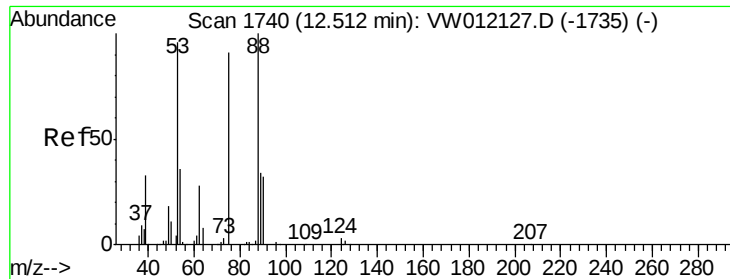
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

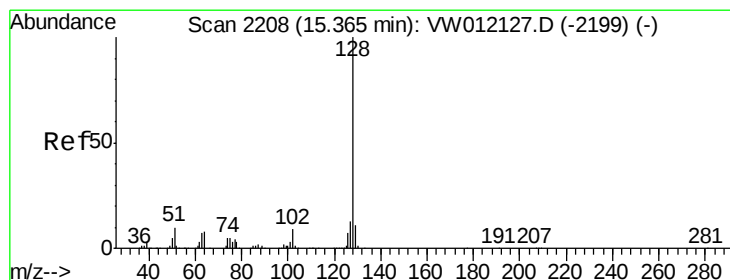
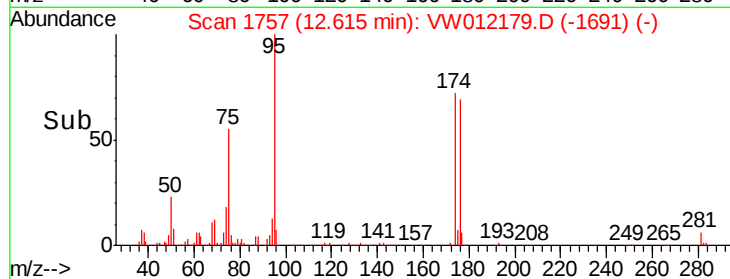
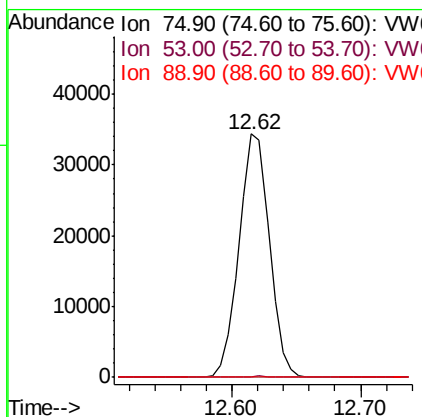
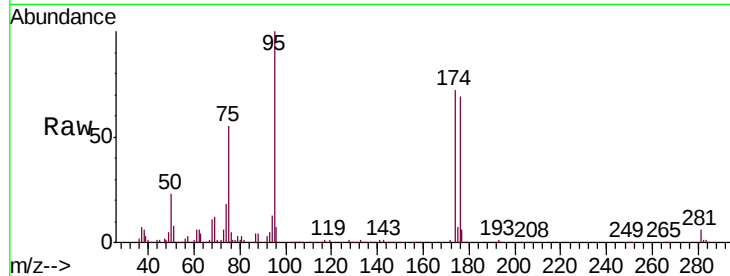




#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.447 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012179.D
 Acq: 26 Aug 2019 19:06

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F3-(0)RE

Tgt Ion: 75 Resp: 56012
 Ion Ratio Lower Upper
 75 100
 53 0.3 89.4 134.0#
 89 0.1 34.5 51.7#



#95
 Naphthalene
 Concen: 4.576 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW012179.D
 Acq: 26 Aug 2019 19:06

Tgt Ion: 128 Resp: 774
 Ion Ratio Lower Upper
 128 100
 127 6.1 10.7 16.1#
 129 10.1 8.7 13.1

