

Data File : VW012376.D
Acq On : 31 Aug 2019 03:47
Operator : SY/VA
Sample : K4562-02
Misc : 4.21G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-02-15-17

Quant Time: Aug 31 04:52:48 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	215992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	145025	56.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.96%	
35) Dibromofluoromethane	7.88	113	111498	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.32	98	445471	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.62	95	127951	42.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.02%	

Target Compounds

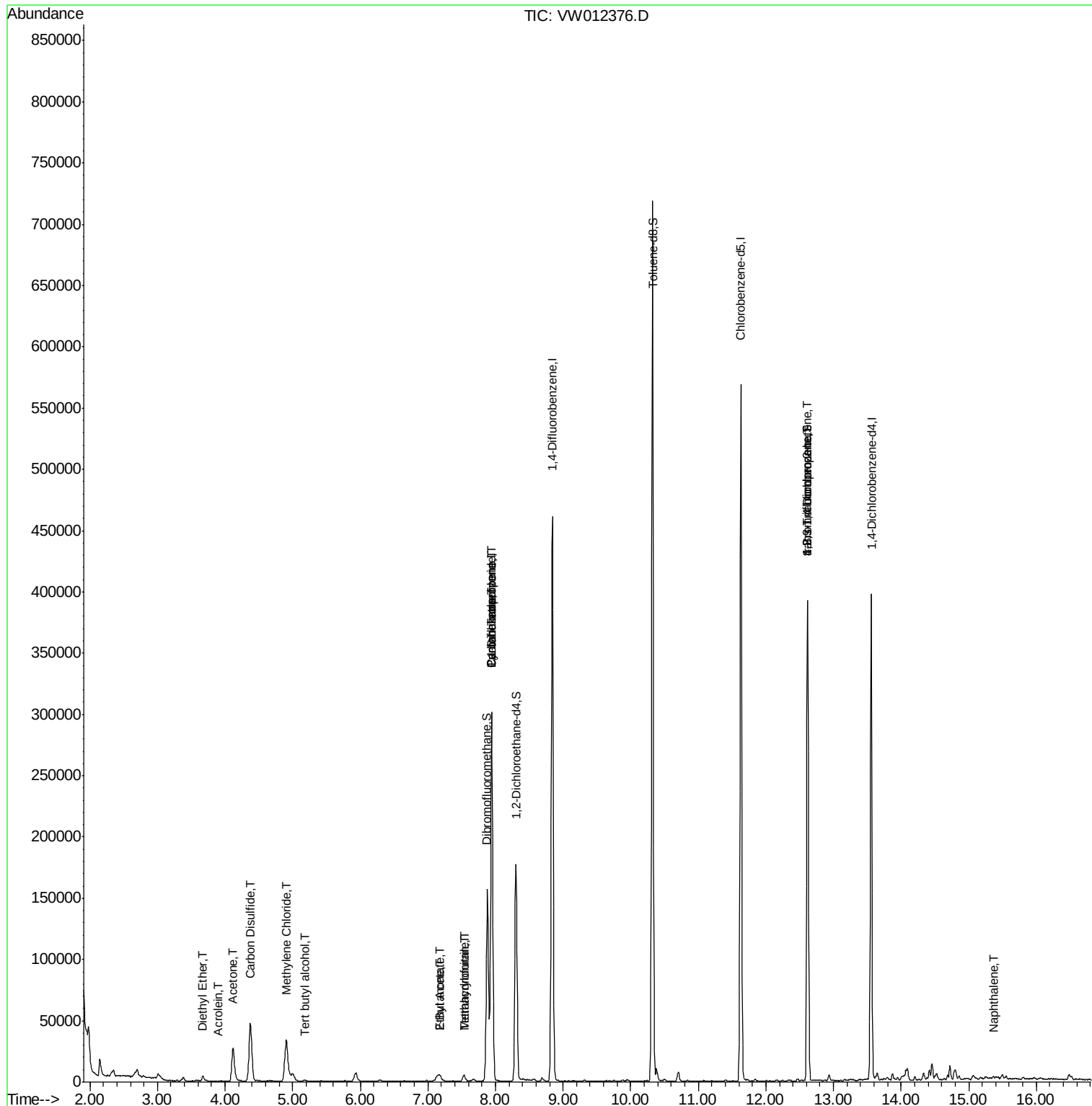
						Qvalue
8) Diethyl Ether	3.68	74	2010	1.672	ug/l	100
11) Tert butyl alcohol	5.17	59	1167	7.553	ug/l #	81
13) Acrolein	3.89	56	290	1.994	ug/l	99
16) Acetone	4.12	43	51746	78.841	ug/l	96
17) Carbon Disulfide	4.37	76	100854	15.403	ug/l	99
20) Methylene Chloride	4.91	84	22633	9.122	ug/l	94
25) 2-Butanone	7.18	43	7495	8.404	ug/l	97
29) Tetrahydrofuran	7.54	42	4342	8.114	ug/l	96
31) Cyclohexane	7.94	56	5773	1.248	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18487	5.011	ug/l #	51
37) Ethyl Acetate	7.18	43	7495	3.707	ug/l #	76
38) Carbon Tetrachloride	7.95	117	21711	6.799	ug/l #	17
41) Methacrylonitrile	7.53	41	2695	2.268	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	68540	71.902	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68540	157.648	ug/l #	6
95) Naphthalene	15.36	128	1775	4.760	ug/l	96

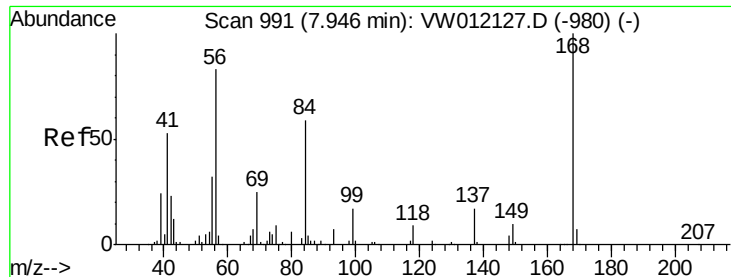
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012376.D

Acq: 31 Aug 2019 03:47

Instrument :

MSVOA_W

ClientSampled :

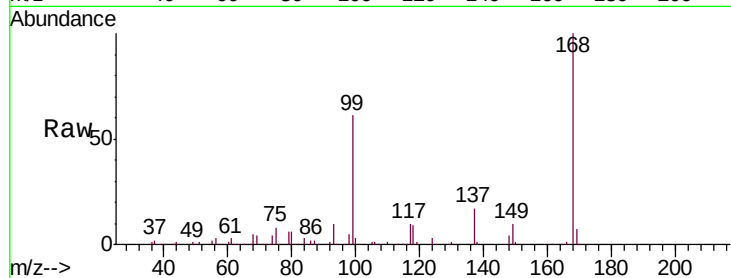
SB-02-15-17

Tgt Ion:168 Resp: 215992

Ion Ratio Lower Upper

168 100

99 60.7 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

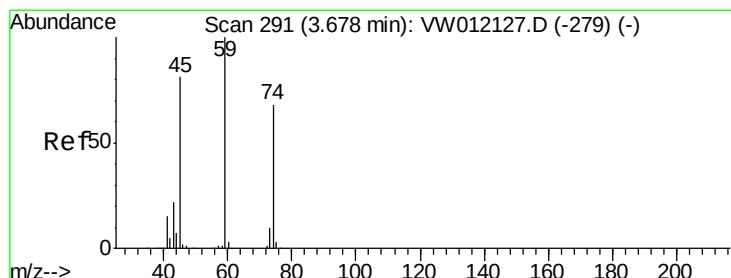
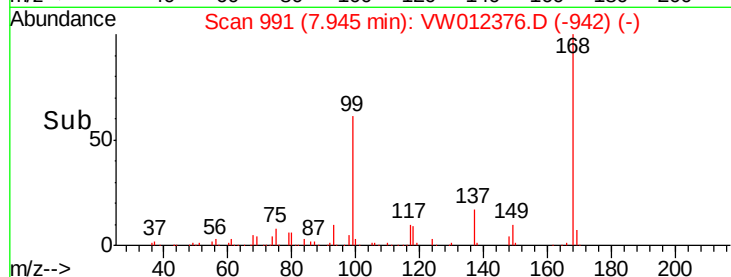
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.672 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012376.D

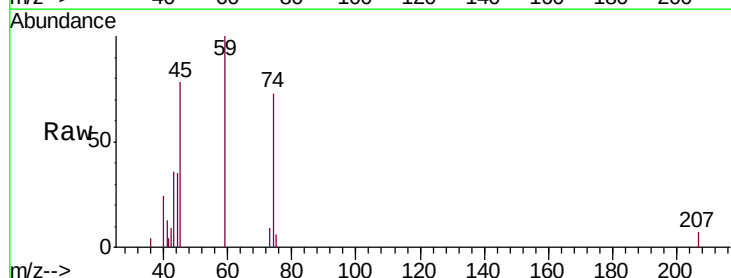
Acq: 31 Aug 2019 03:47

Tgt Ion: 74 Resp: 2010

Ion Ratio Lower Upper

74 100

45 118.4 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

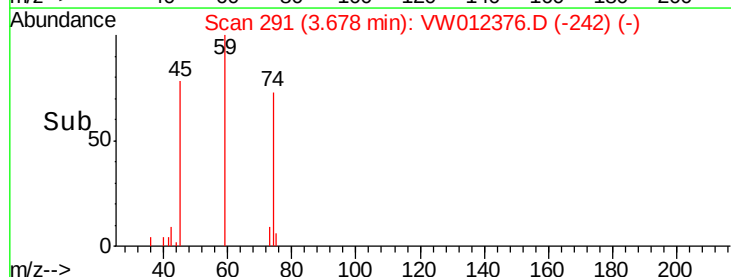
3.68

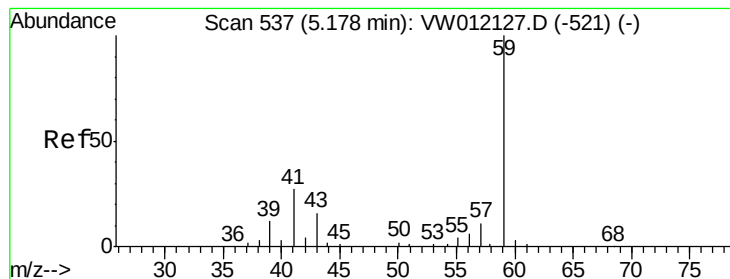
1000

500

0

Time--> 3.60 3.65 3.70 3.75





#11

Tert butyl alcohol

Concen: 7.553 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW012376.D

Acq: 31 Aug 2019 03:47

Instrument :

MSVOA_W

ClientSampled :

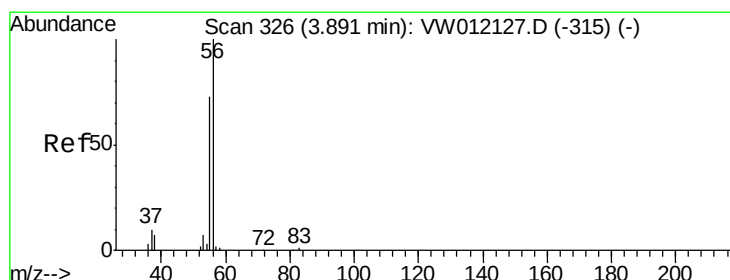
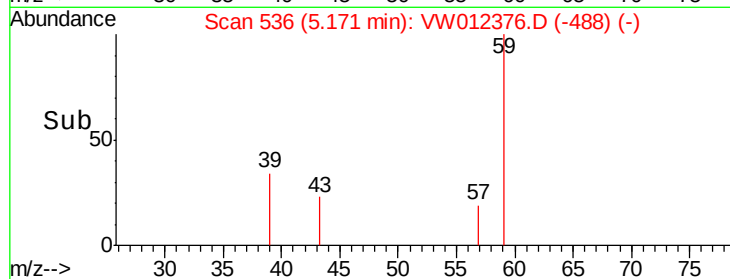
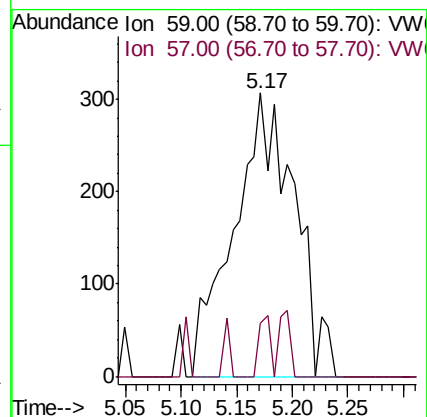
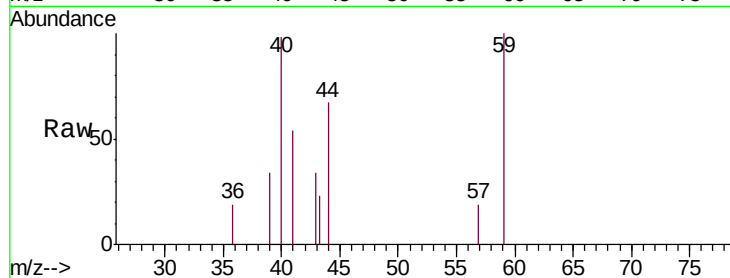
SB-02-15-17

Tgt Ion: 59 Resp: 1167

Ion Ratio Lower Upper

59 100

57 3.9 9.0 13.4#



#13

Acrolein

Concen: 1.994 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012376.D

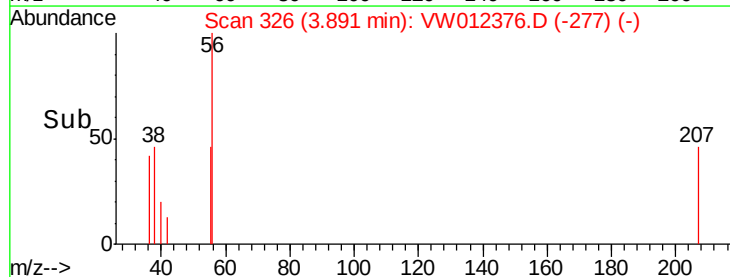
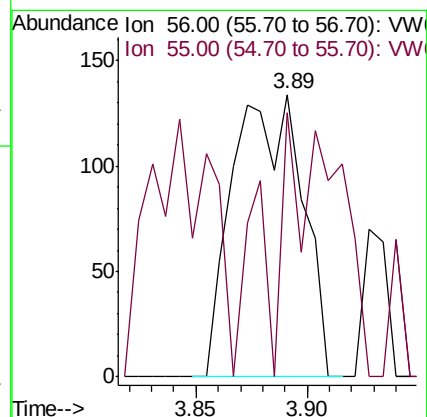
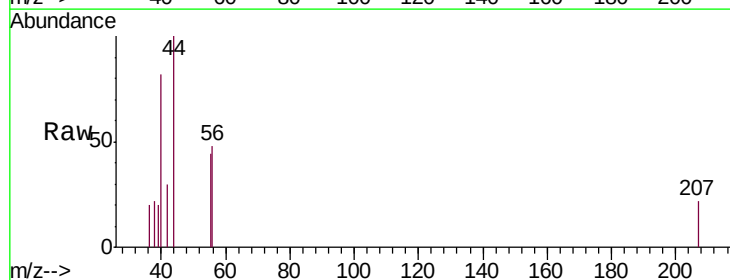
Acq: 31 Aug 2019 03:47

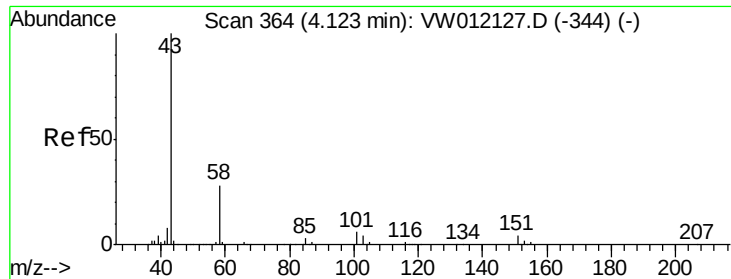
Tgt Ion: 56 Resp: 290

Ion Ratio Lower Upper

56 100

55 70.7 55.8 83.8

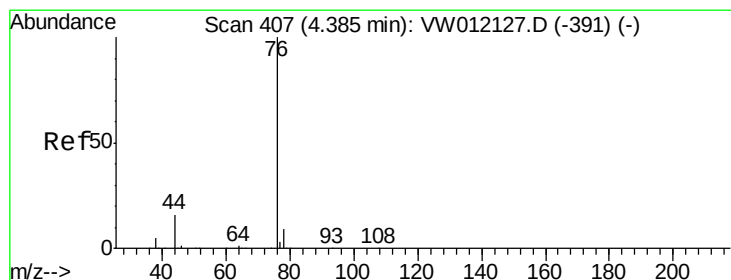
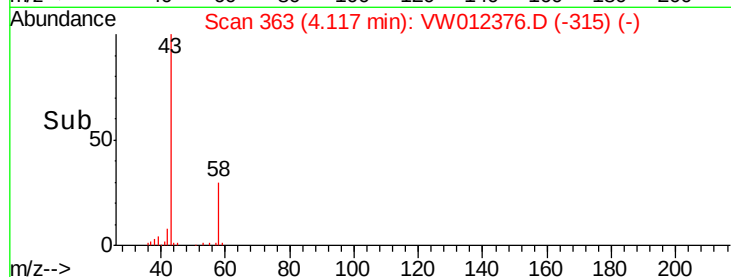
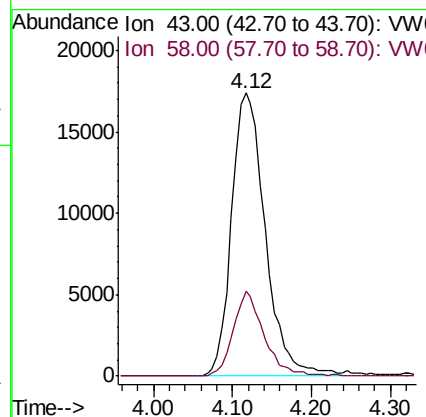
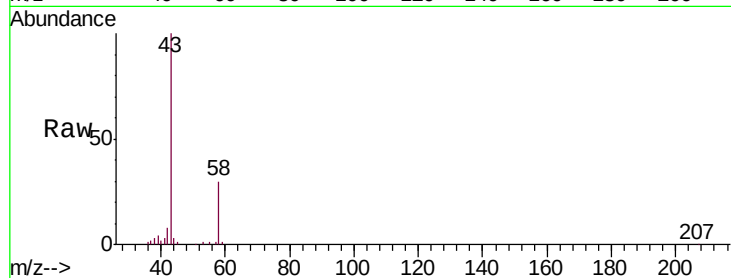




#16
Acetone
Concen: 78.841 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW012376.D
Acq: 31 Aug 2019 03:47

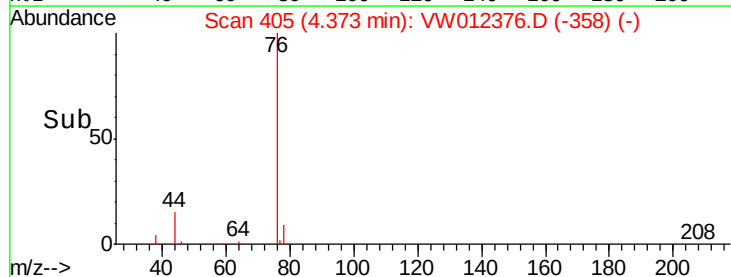
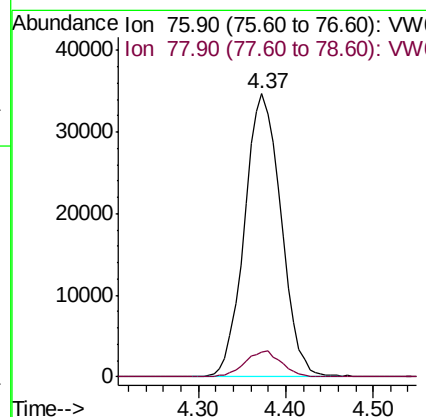
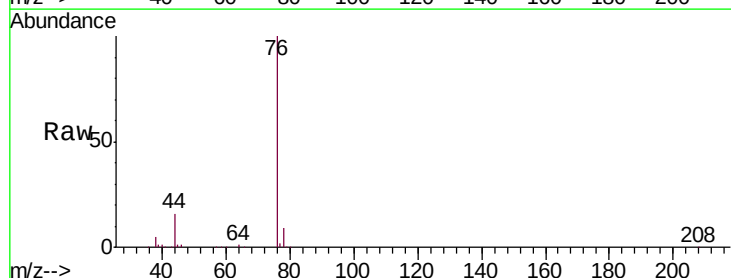
Instrument :
MSVOA_W
ClientSampleId :
SB-02-15-17

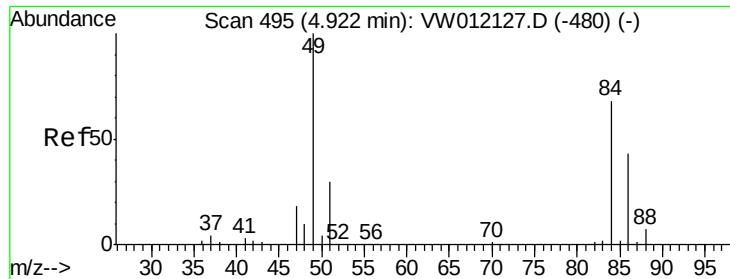
Tgt Ion: 43 Resp: 51746
Ion Ratio Lower Upper
43 100
58 30.0 22.4 33.6



#17
Carbon Disulfide
Concen: 15.403 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW012376.D
Acq: 31 Aug 2019 03:47

Tgt Ion: 76 Resp: 100854
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

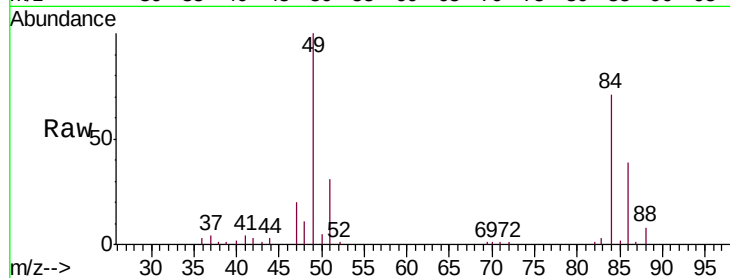




#20
Methylene Chloride
Concen: 9.122 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012376.D
Acq: 31 Aug 2019 03:47

Instrument :
MSVOA_W
ClientSampleId :
SB-02-15-17

Tgt Ion:	84	Resp:	22633
Ion	Ratio	Lower	Upper
84	100		
49	140.8	117.8	176.8
51	44.2	35.6	53.4
86	54.5	51.2	76.8



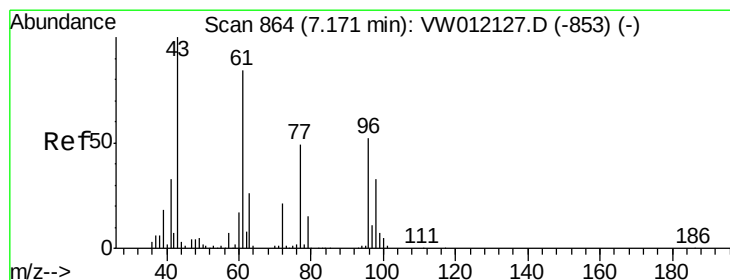
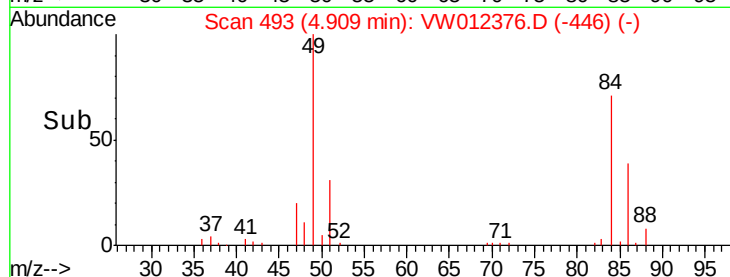
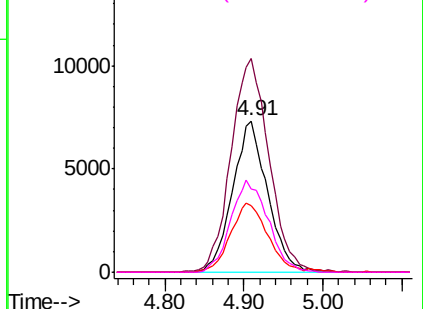
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

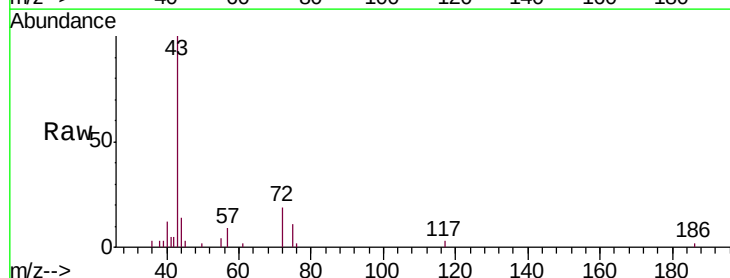
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 8.404 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW012376.D
Acq: 31 Aug 2019 03:47

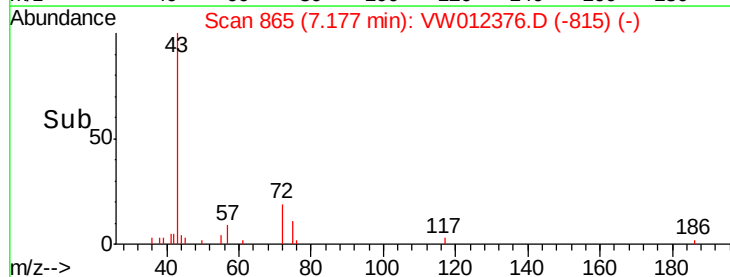
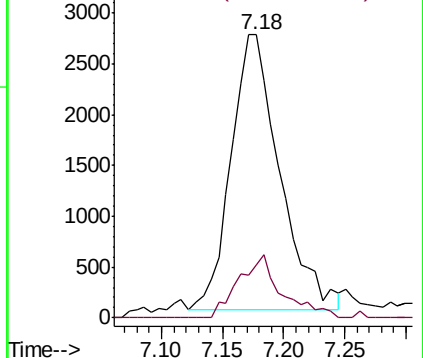
Tgt Ion:	43	Resp:	7495
Ion	Ratio	Lower	Upper
43	100		
72	19.3	16.6	24.8

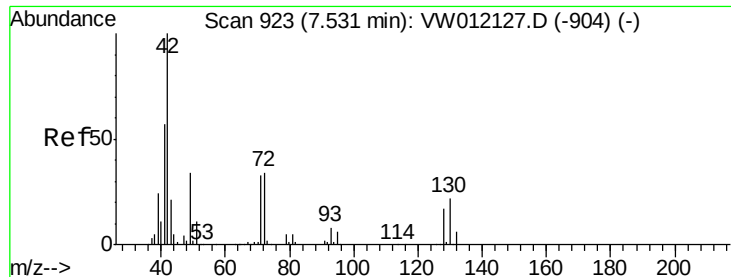


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

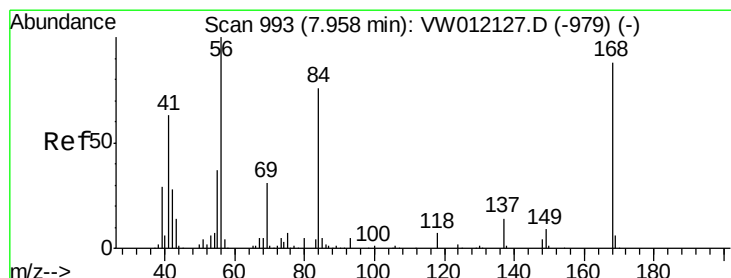
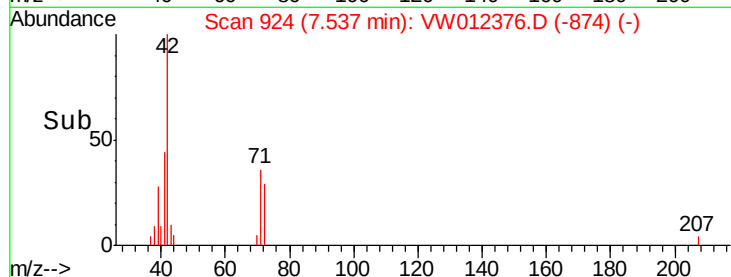
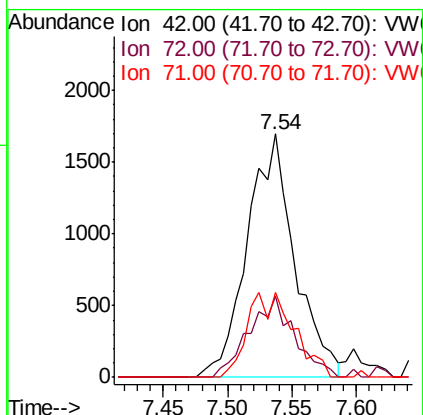
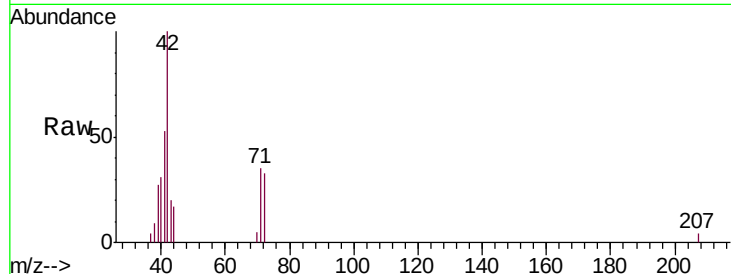




#29
Tetrahydrofuran
Concen: 8.114 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012376.D
Acq: 31 Aug 2019 03:47

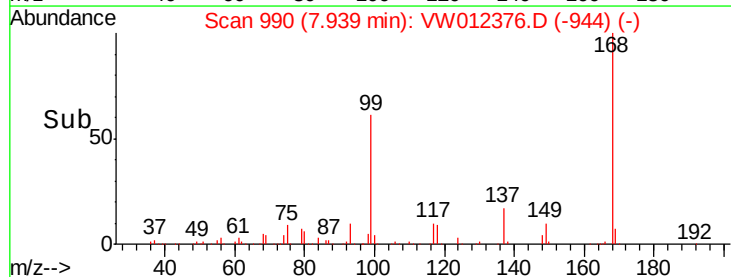
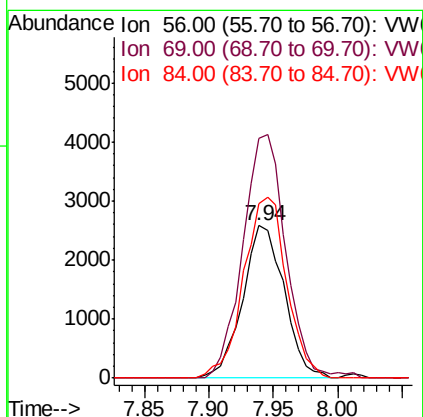
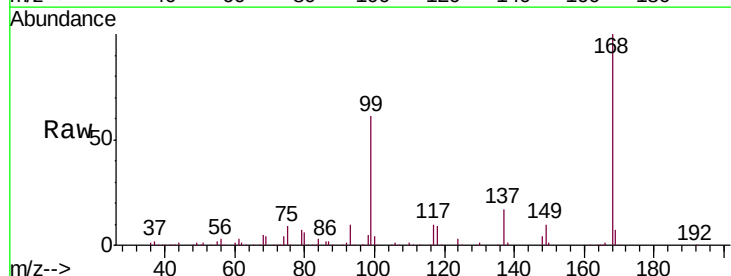
Instrument :
MSVOA_W
ClientSampleId :
SB-02-15-17

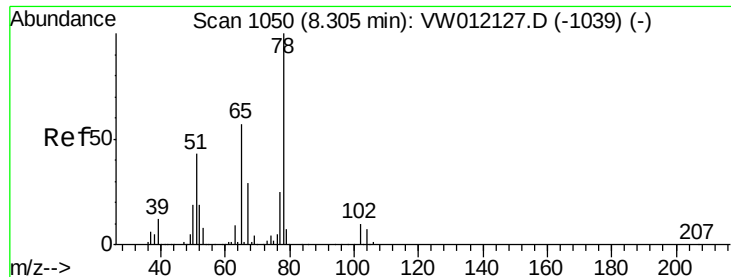
Tgt Ion: 42 Resp: 4342
Ion Ratio Lower Upper
42 100
72 31.8 27.3 40.9
71 33.8 25.5 38.3



#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012376.D
Acq: 31 Aug 2019 03:47

Tgt Ion: 56 Resp: 5773
Ion Ratio Lower Upper
56 100
69 157.3 24.9 37.3#
84 115.0 60.6 90.8#

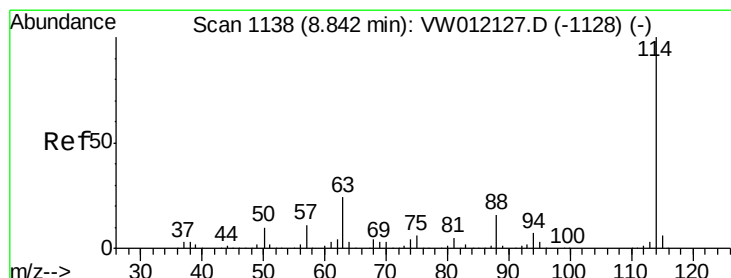
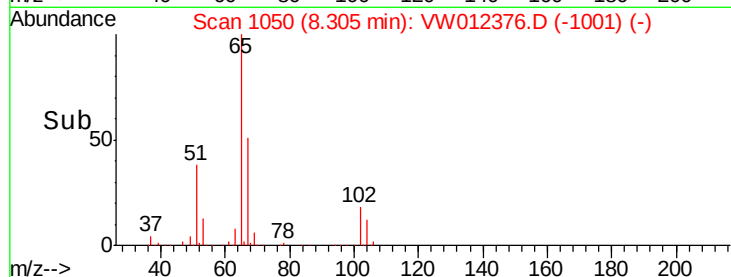
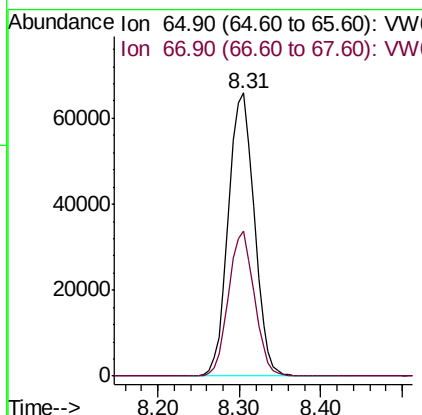
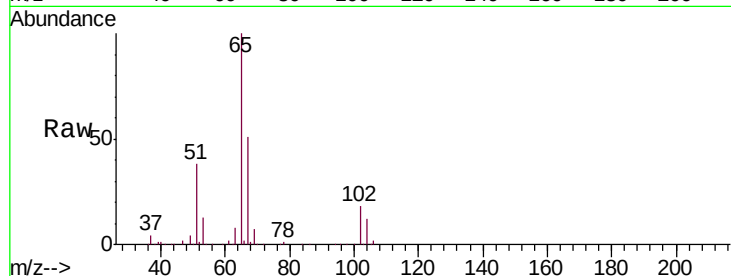




#33
 1,2-Dichloroethane-d4
 Concen: 56.482 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012376.D
 Acq: 31 Aug 2019 03:47

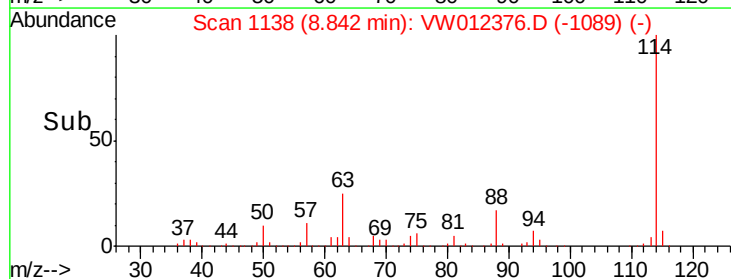
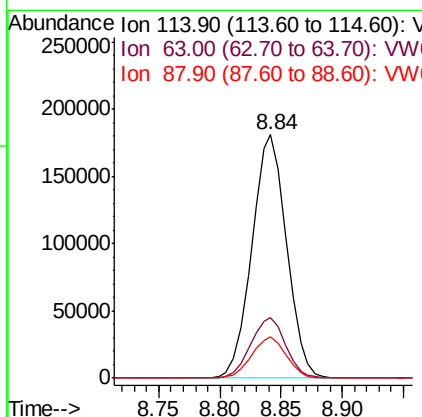
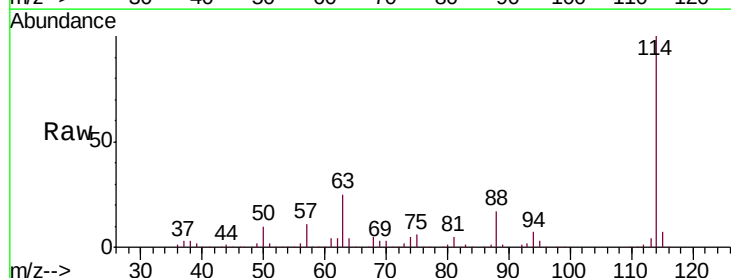
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-02-15-17

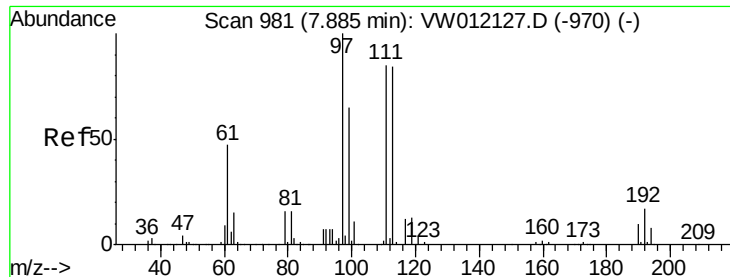
Tgt Ion: 65 Resp: 145025
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012376.D
 Acq: 31 Aug 2019 03:47

Tgt Ion: 114 Resp: 357037
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.6
 88 17.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.318 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012376.D

Acq: 31 Aug 2019 03:47

Instrument :

MSVOA_W

ClientSampleId :

SB-02-15-17

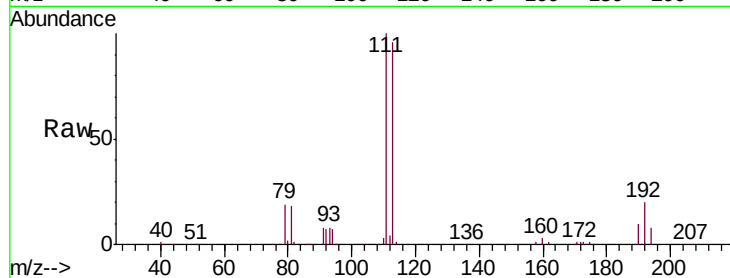
Tgt Ion:113 Resp: 111498

Ion Ratio Lower Upper

113 100

111 102.0 82.7 124.1

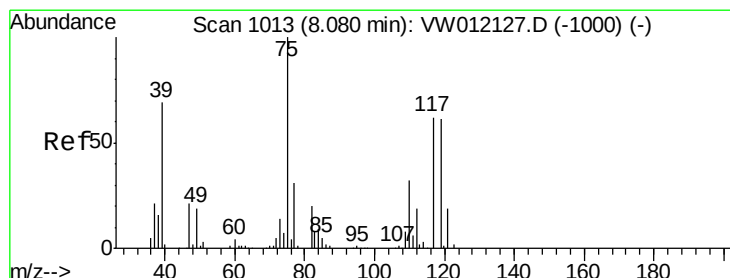
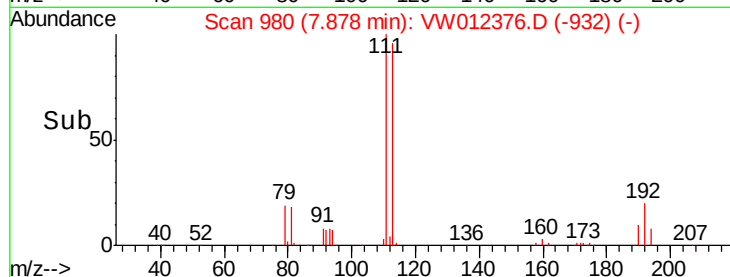
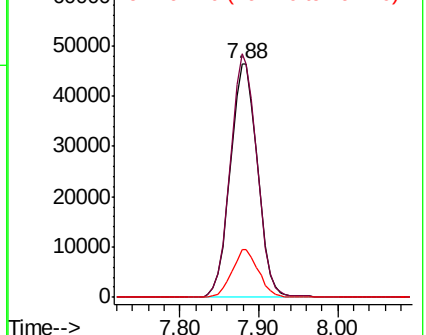
192 19.8 16.2 24.2



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: 5.011 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012376.D

Acq: 31 Aug 2019 03:47

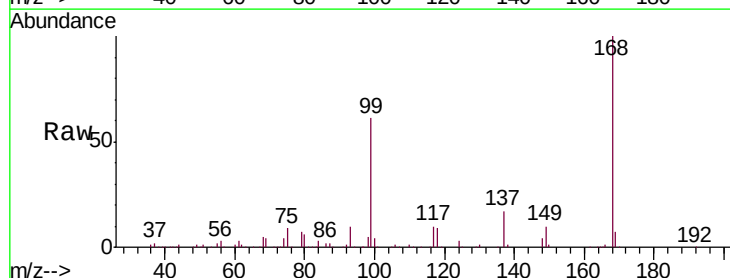
Tgt Ion: 75 Resp: 18487

Ion Ratio Lower Upper

75 100

110 7.7 15.6 46.8#

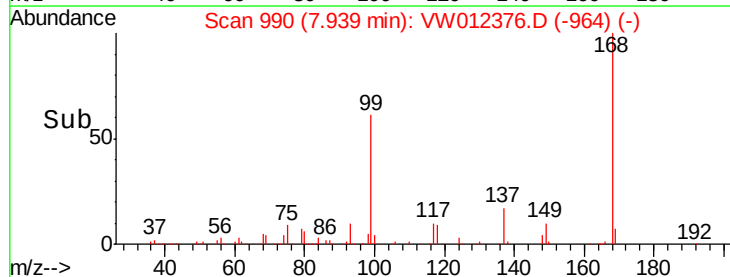
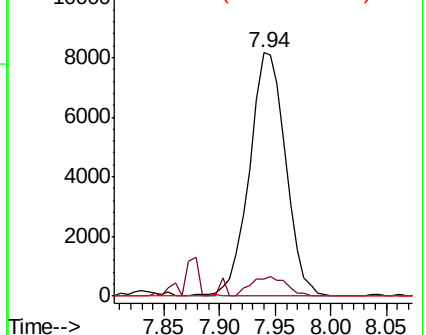
77 0.0 24.6 36.8#

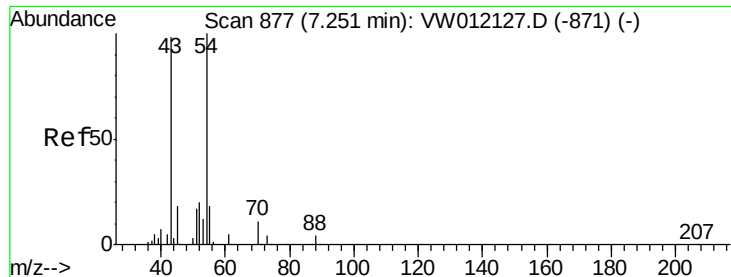


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

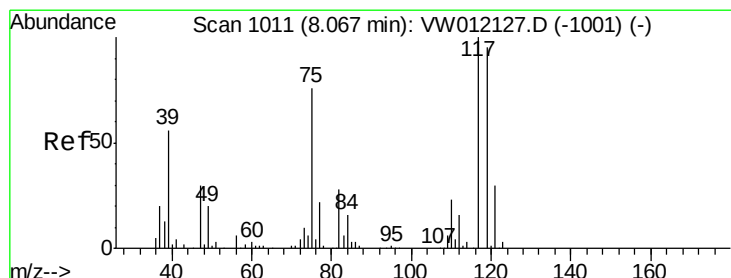
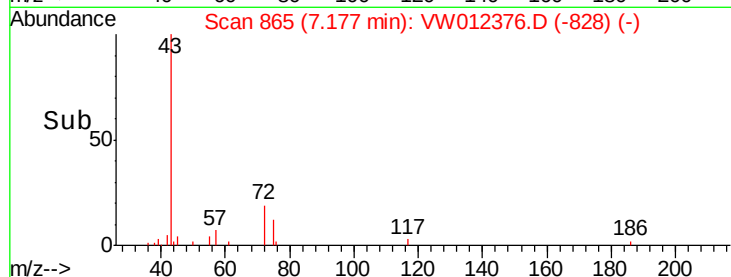
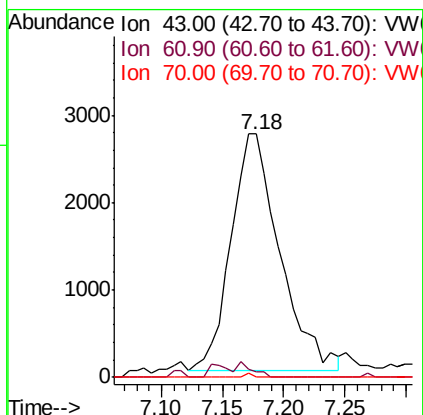
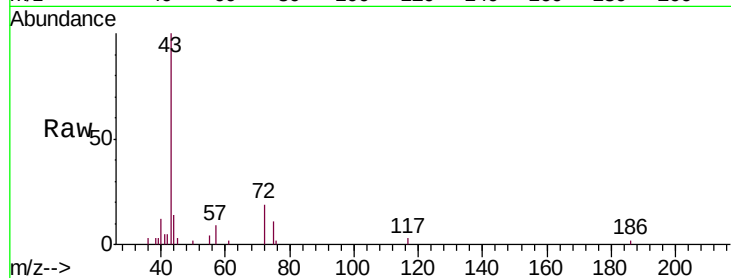




#37
Ethyl Acetate
Concen: 3.707 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW012376.D
Acq: 31 Aug 2019 03:47

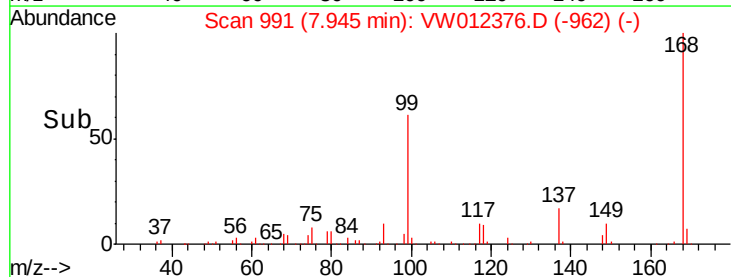
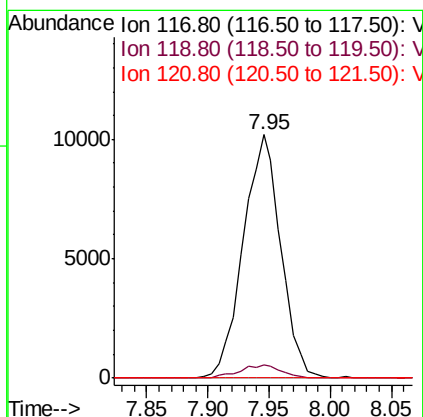
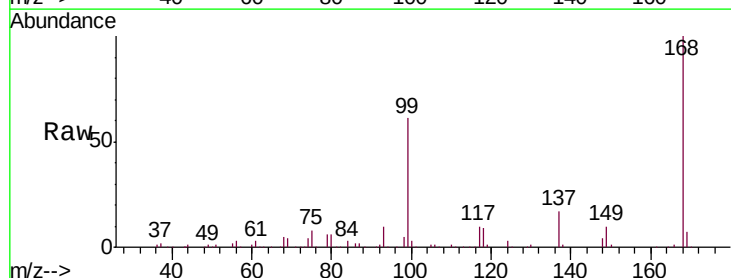
Instrument :
MSVOA_W
ClientSampleId :
SB-02-15-17

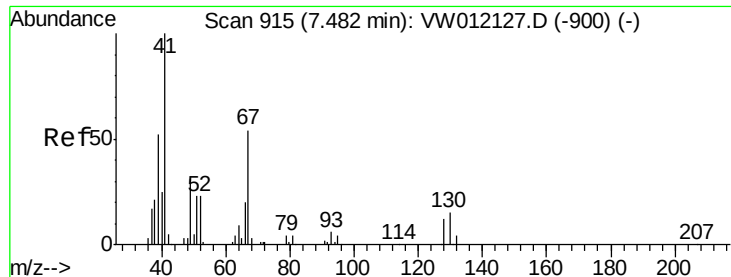
Tgt Ion: 43 Resp: 7495
Ion Ratio Lower Upper
43 100
61 1.9 9.2 13.8#
70 0.3 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 6.799 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012376.D
Acq: 31 Aug 2019 03:47

Tgt Ion: 117 Resp: 21711
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 23.8 35.8#

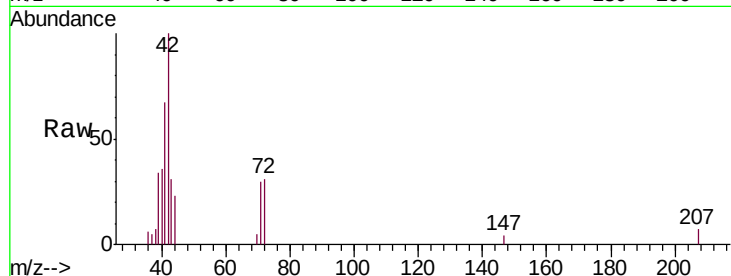




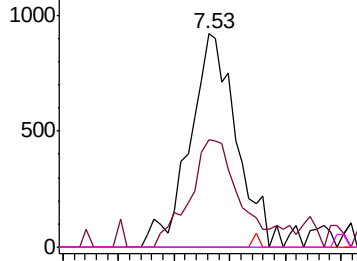
#41
Methacrylonitrile
Concen: 2.268 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012376.D
Acq: 31 Aug 2019 03:47

Instrument :
MSVOA_W
ClientSampled :
SB-02-15-17

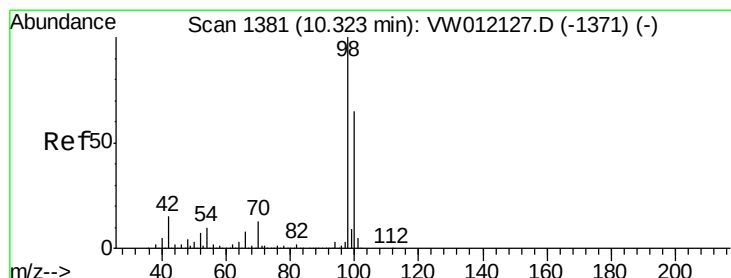
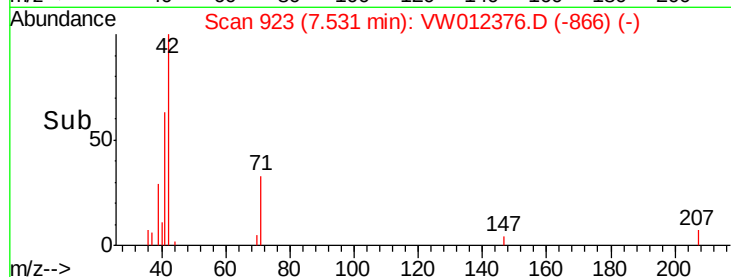
Tgt Ion:	41	Resp:	2695
Ion	Ratio	Lower	Upper
41	100		
39	52.0	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



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

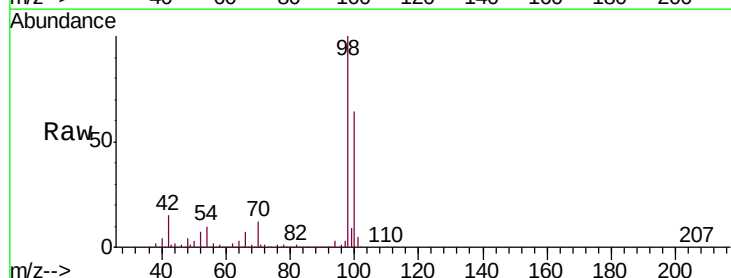


Time-->

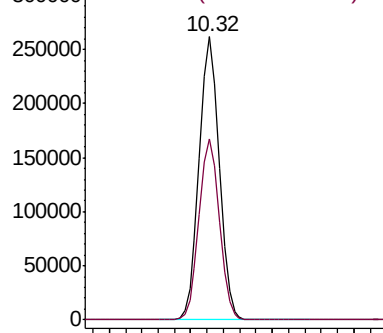


#50
Toluene-d8
Concen: 51.552 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012376.D
Acq: 31 Aug 2019 03:47

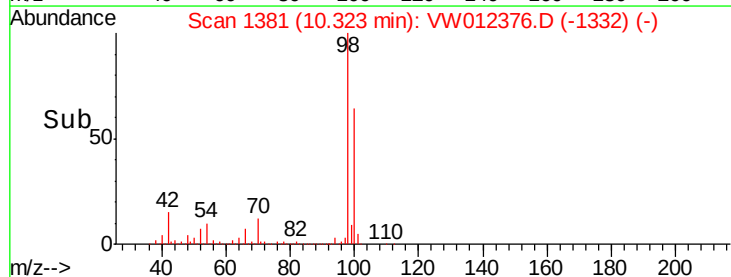
Tgt Ion:	98	Resp:	445471
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.4	78.6

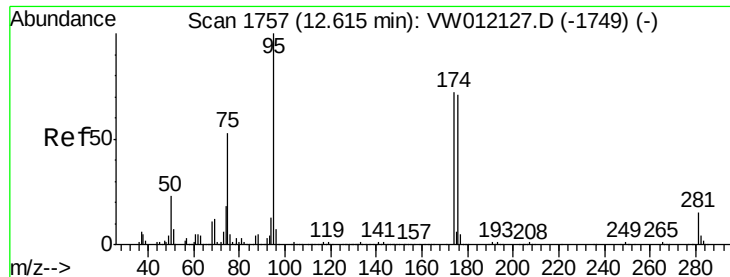


Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW



Time-->

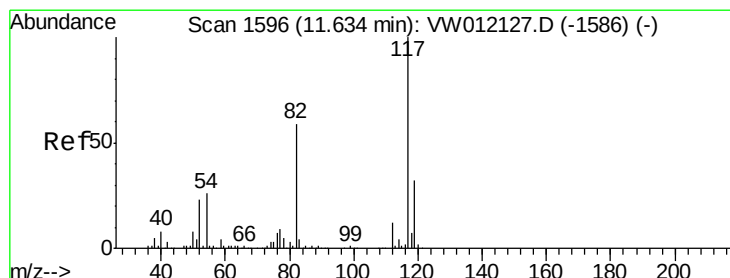
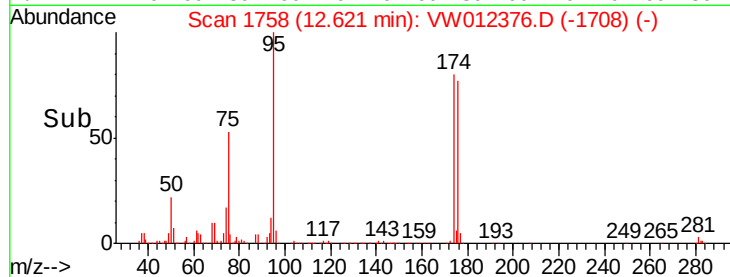
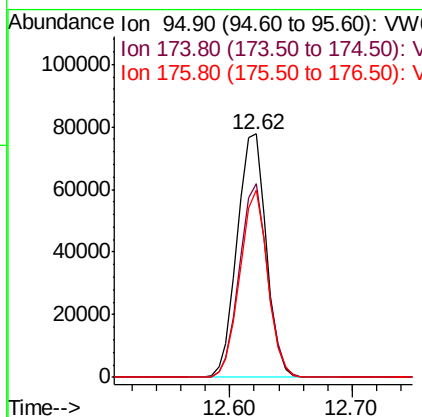
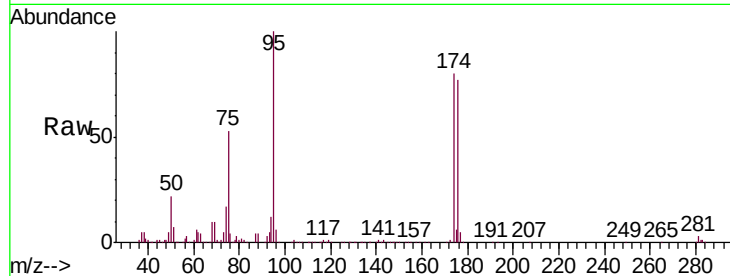




#62
4-Bromofluorobenzene
Concen: 42.006 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012376.D
Acq: 31 Aug 2019 03:47

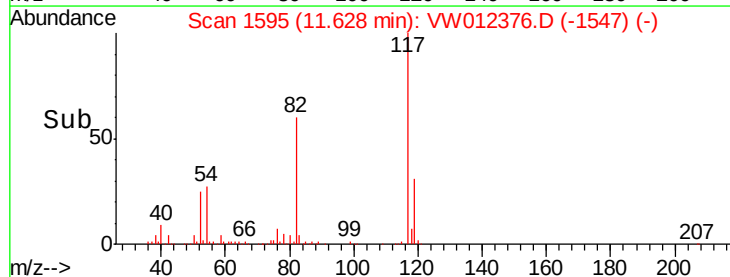
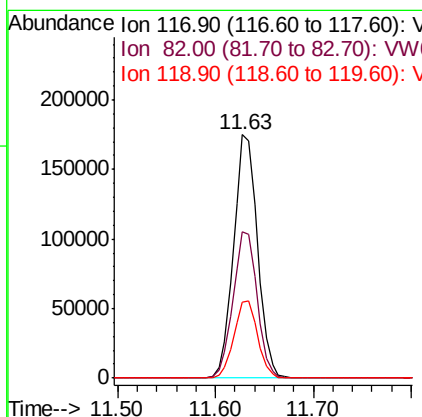
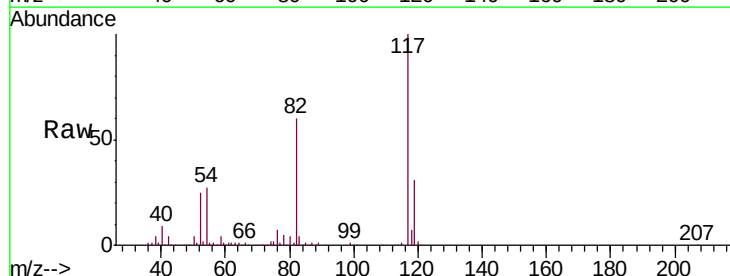
Instrument :
MSVOA_W
ClientSampleId :
SB-02-15-17

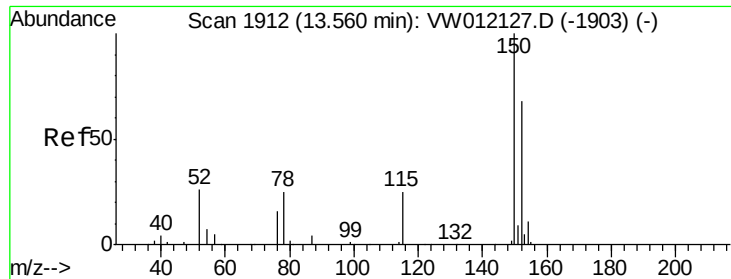
Tgt Ion: 95 Resp: 127951
Ion Ratio Lower Upper
95 100
174 77.2 0.0 150.8
176 73.6 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012376.D
Acq: 31 Aug 2019 03:47

Tgt Ion: 117 Resp: 296760
Ion Ratio Lower Upper
117 100
82 60.3 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: VW012376.D

Acq: 31 Aug 2019 03:47

Instrument :

MSVOA_W

ClientSampled :

SB-02-15-17

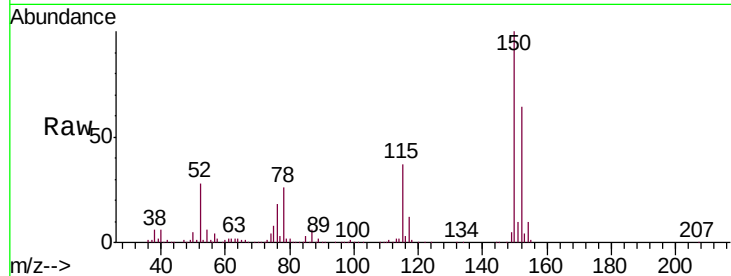
Tgt Ion:152 Resp: 97876

Ion Ratio Lower Upper

152 100

115 60.8 30.1 90.3

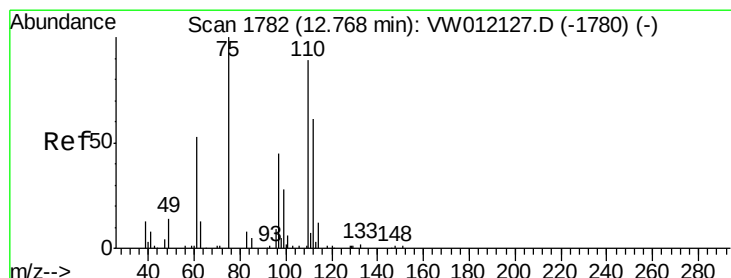
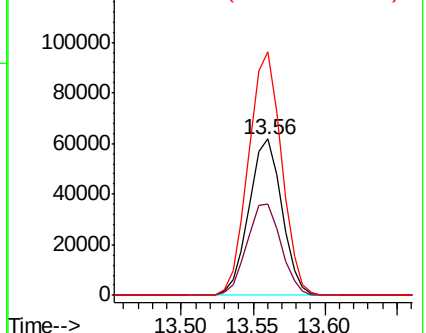
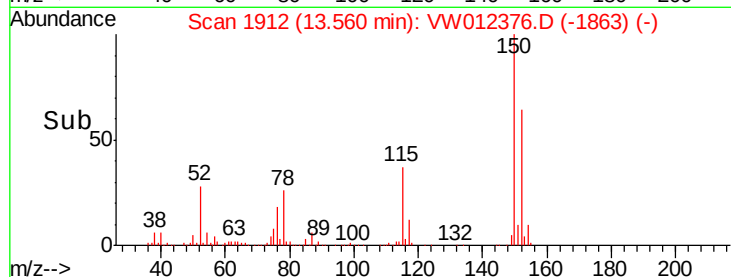
150 155.8 0.0 345.8



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: 71.902 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012376.D

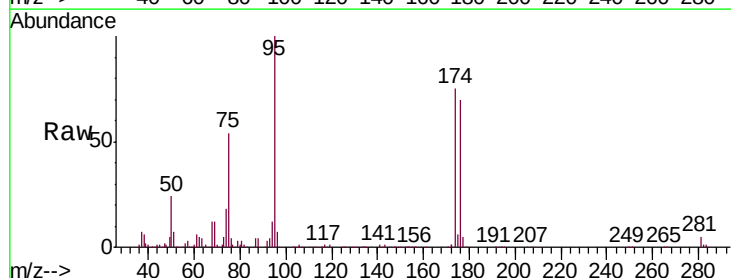
Acq: 31 Aug 2019 03:47

Tgt Ion: 75 Resp: 68540

Ion Ratio Lower Upper

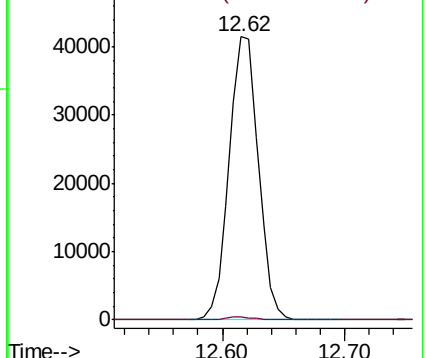
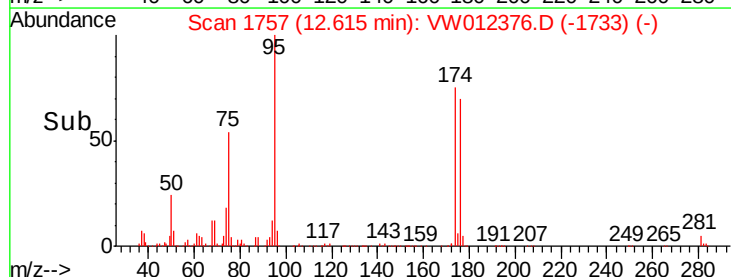
75 100

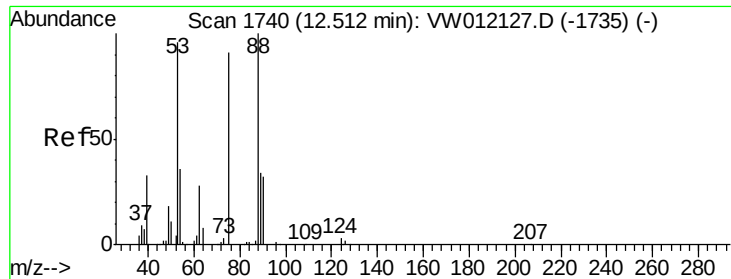
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

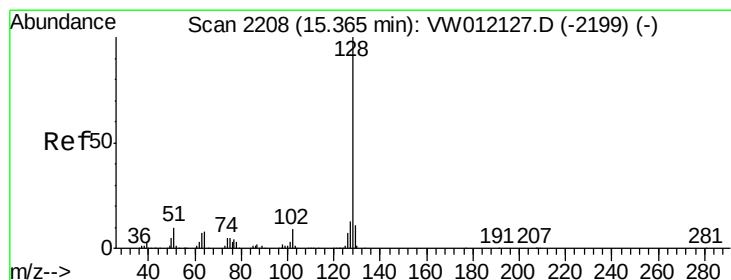
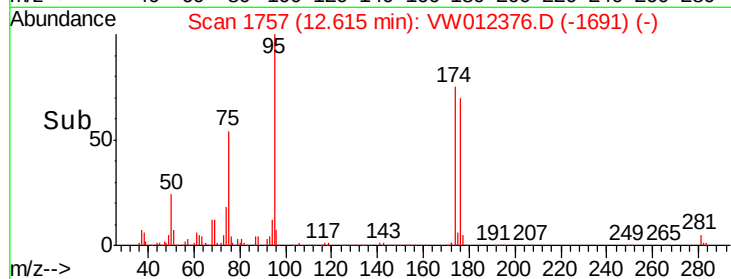
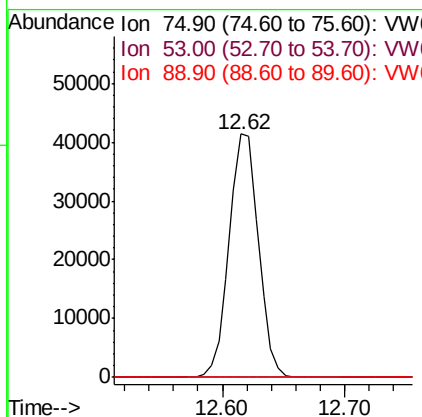
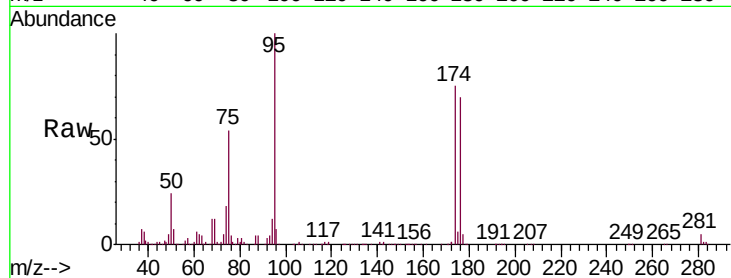




#81
trans-1,4-Dichloro-2-butene
Concen: 157.648 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012376.D
Acq: 31 Aug 2019 03:47

Instrument :
MSVOA_W
ClientSampleId :
SB-02-15-17

Tgt Ion: 75 Resp: 68540
Ion Ratio Lower Upper
75 100
53 0.2 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.760 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012376.D
Acq: 31 Aug 2019 03:47

Tgt Ion: 128 Resp: 1775
Ion Ratio Lower Upper
128 100
127 14.2 10.7 16.1
129 13.0 8.7 13.1

