

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012879.D
 Acq On : 10 Sep 2019 18:59
 Operator : SY/VA
 Sample : K4692-15
 Misc : 5.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-27-8.5-9.0

Quant Time: Sep 11 08:19:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

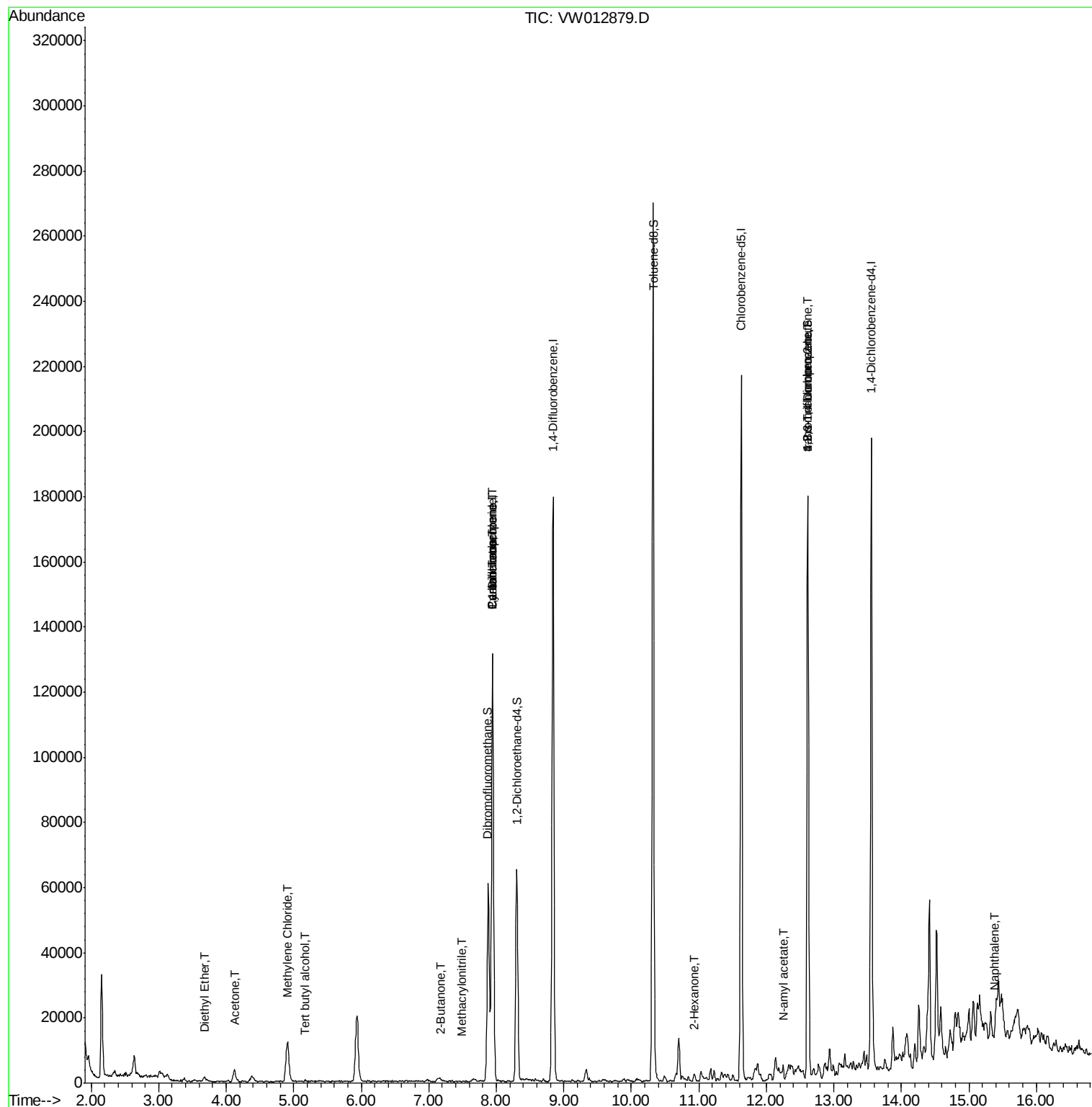
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	98647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	144687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	119516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	50631	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	52570	47.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.38%	
35) Dibromofluoromethane	7.88	113	43604	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
50) Toluene-d8	10.32	98	169405	50.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.62	95	52987	43.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.62%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	748	1.618	ug/l	97
11) Tert butyl alcohol	5.17	59	391	4.636	ug/l #	86
16) Acetone	4.12	43	5949	19.798	ug/l #	85
20) Methylene Chloride	4.90	84	8339	8.871	ug/l	90
25) 2-Butanone	7.18	43	712	21.163	ug/l #	57
31) Cyclohexane	7.95	56	2381	1.470	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	7296	5.675	ug/l #	55
38) Carbon Tetrachloride	7.95	117	9692	7.648	ug/l #	16
41) Methacrylonitrile	7.49	41	27	3.884	ug/l #	50
59) 2-Hexanone	10.93	43	1066	1.791	ug/l #	28
74) N-amyl acetate	12.25	43	1162	1.008	ug/l #	63
76) 1,2,3-Trichloropropane	12.62	75	27143	52.427	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	27143	110.888	ug/l #	6
95) Naphthalene	15.37	128	947	4.845	ug/l #	80

(#) = 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: VW012879.D

Acq: 10 Sep 2019 18:59

Instrument :

MSVOA_W

ClientSampleId :

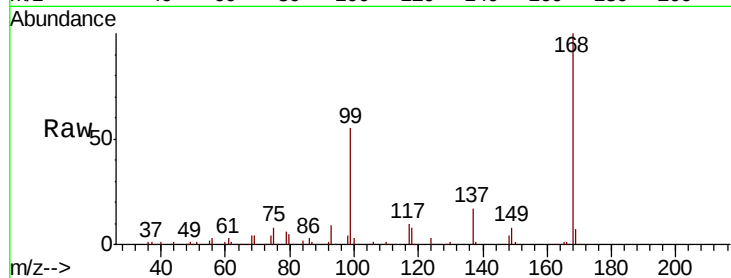
SB-27-8.5-9.0

Tgt Ion:168 Resp: 98647

Ion Ratio Lower Upper

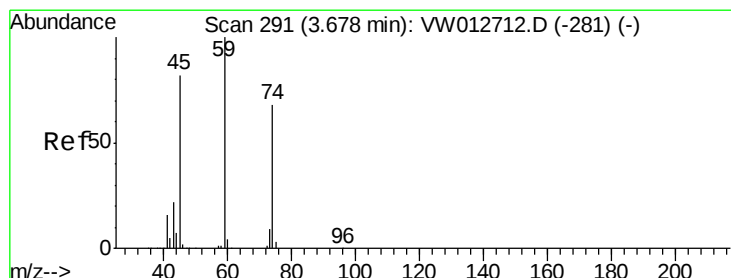
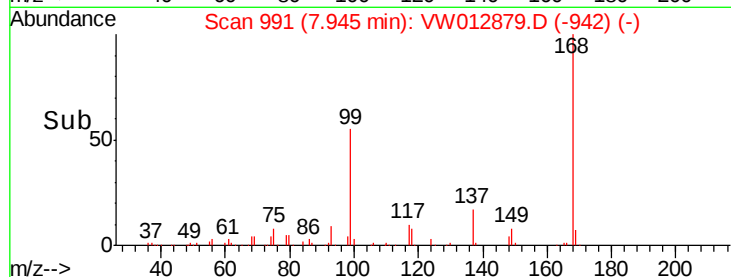
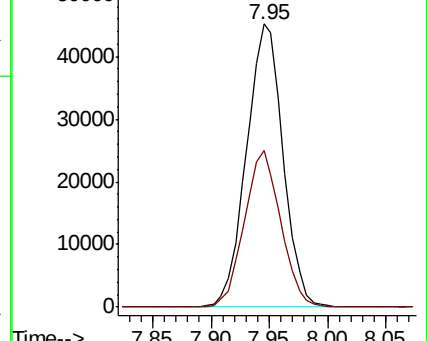
168 100

99 55.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.618 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012879.D

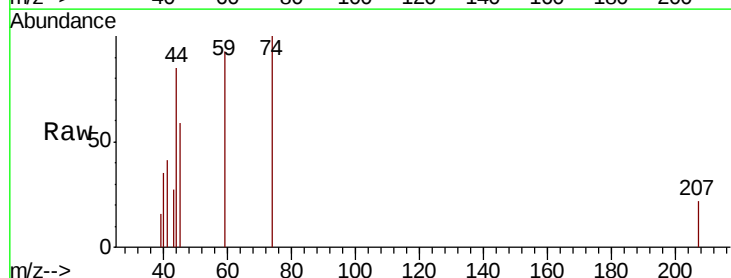
Acq: 10 Sep 2019 18:59

Tgt Ion: 74 Resp: 748

Ion Ratio Lower Upper

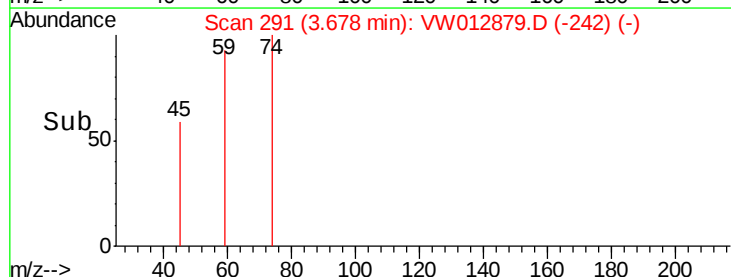
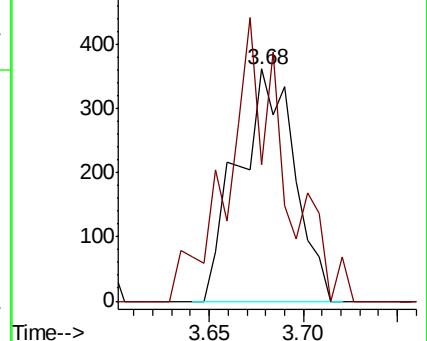
74 100

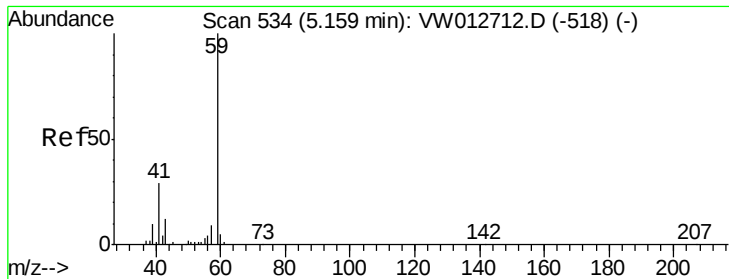
45 120.9 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

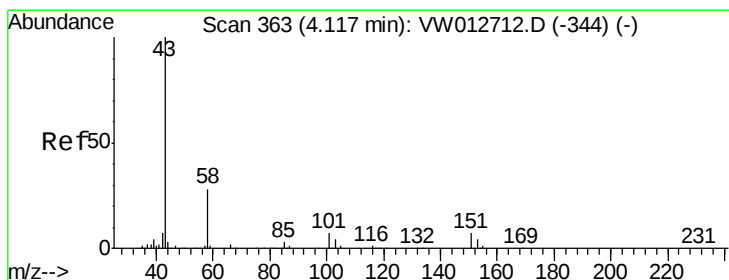
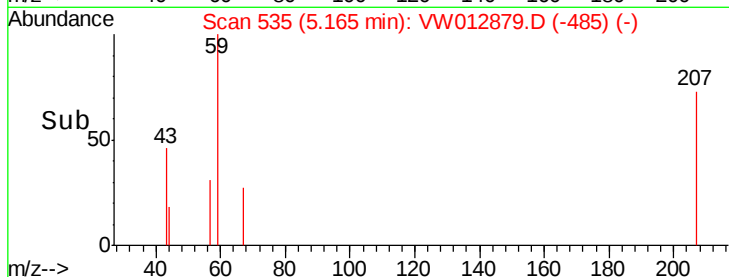
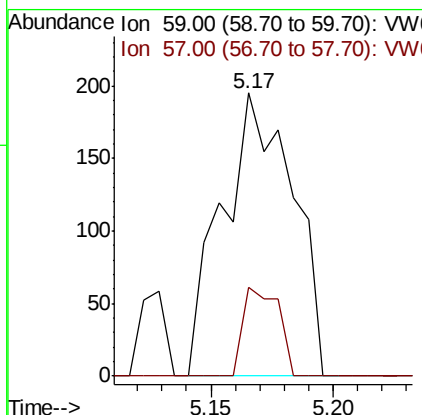
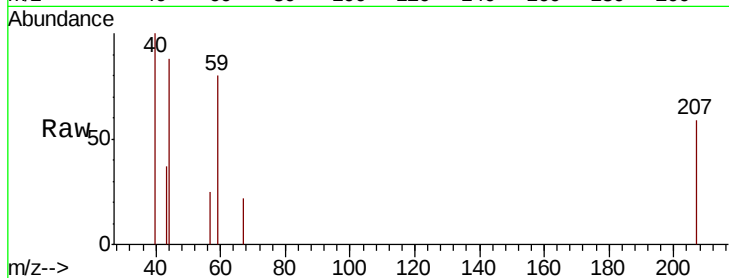




#11
Tert butyl alcohol
Concen: 4.636 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW012879.D
Acq: 10 Sep 2019 18:59

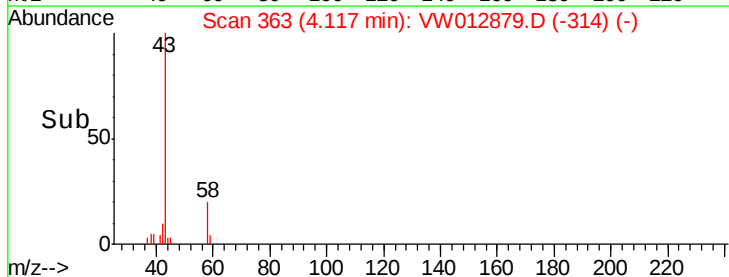
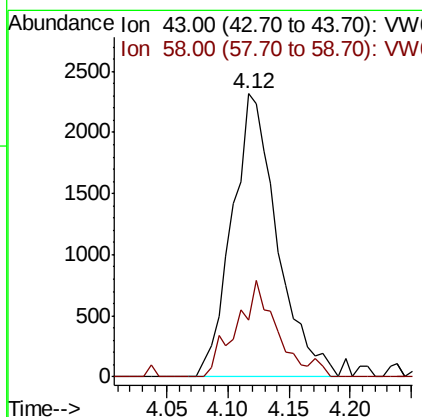
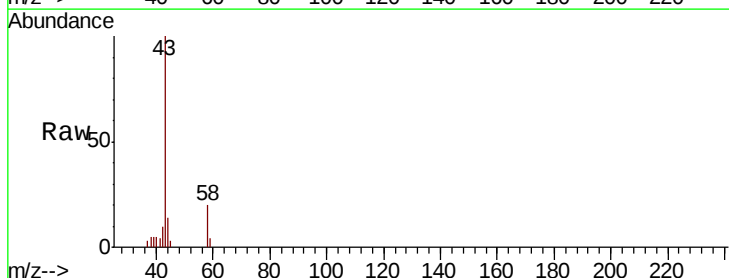
Instrument :
MSVOA_W
ClientSampled :
SB-27-8.5-9.0

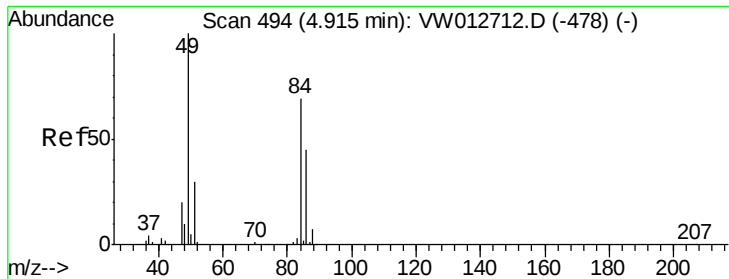
Tgt Ion: 59 Resp: 391
Ion Ratio Lower Upper
59 100
57 15.6 8.2 12.4#



#16
Acetone
Concen: 19.798 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW012879.D
Acq: 10 Sep 2019 18:59

Tgt Ion: 43 Resp: 5949
Ion Ratio Lower Upper
43 100
58 20.1 22.6 33.8#





#20

Methylene Chloride

Concen: 8.871 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012879.D

Acq: 10 Sep 2019 18:59

Instrument :

MSVOA_W

ClientSampled :

SB-27-8.5-9.0

Tgt Ion: 84 Resp: 8339

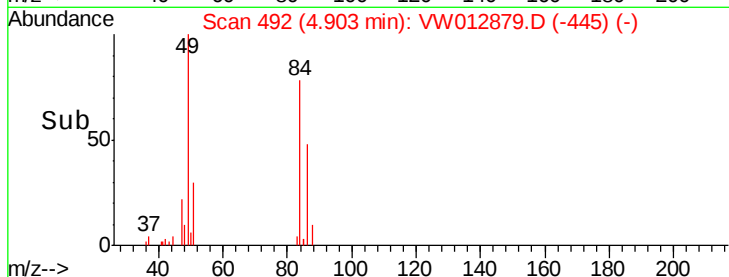
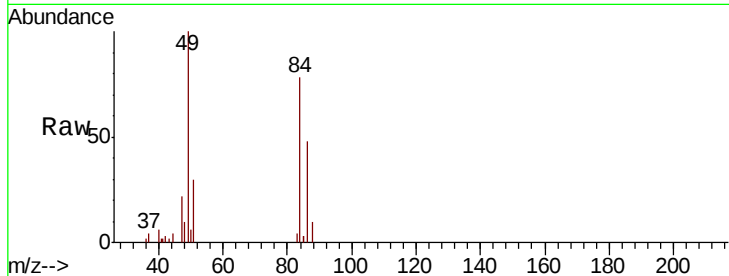
Ion Ratio Lower Upper

84 100

49 128.4 115.4 173.0

51 38.6 34.9 52.3

86 61.5 52.2 78.4

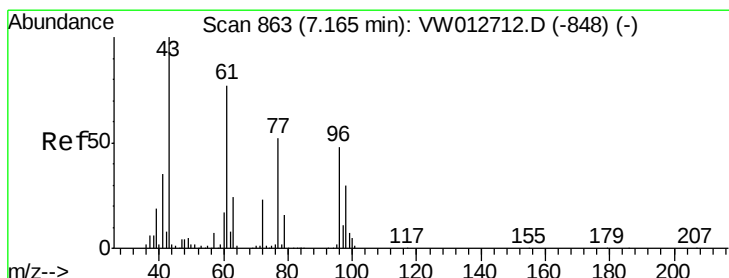
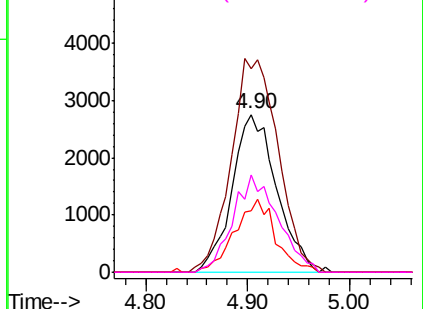


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 21.163 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012879.D

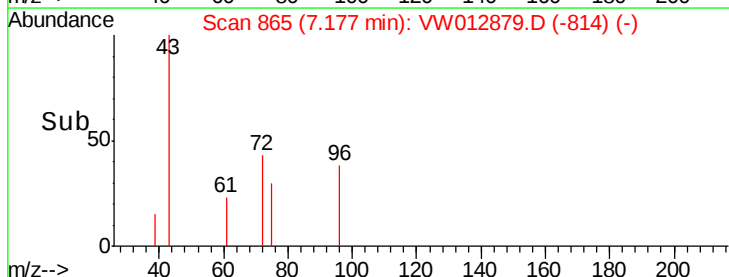
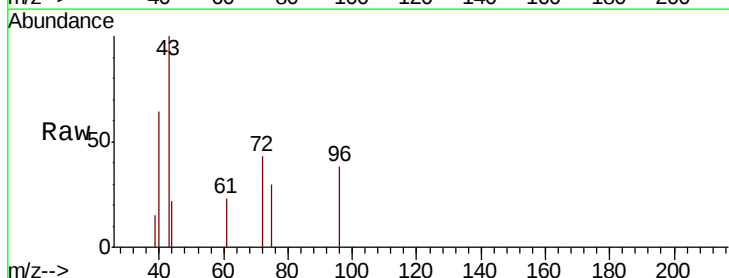
Acq: 10 Sep 2019 18:59

Tgt Ion: 43 Resp: 712

Ion Ratio Lower Upper

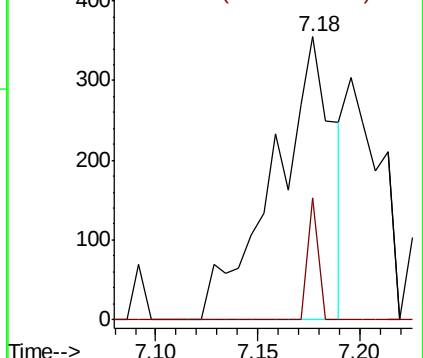
43 100

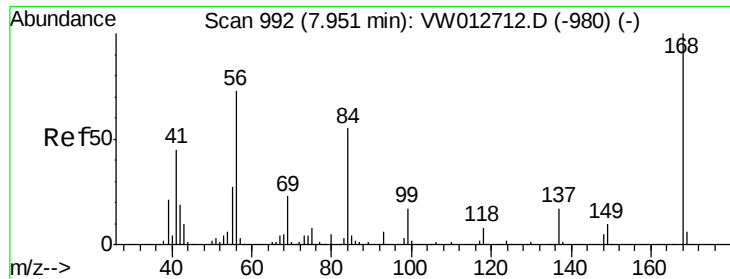
72 43.1 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

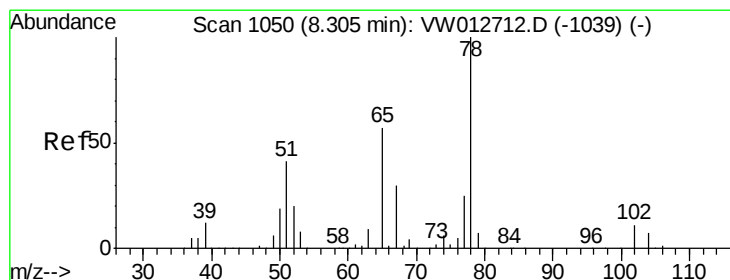
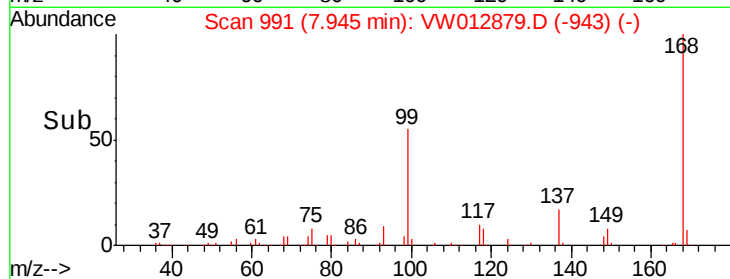
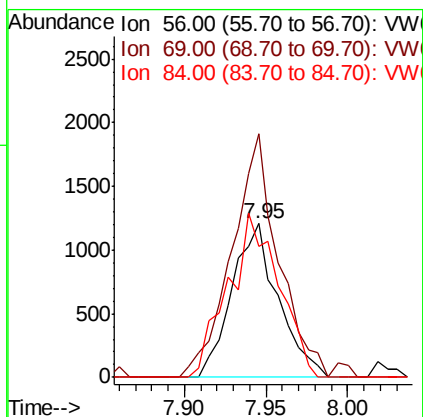
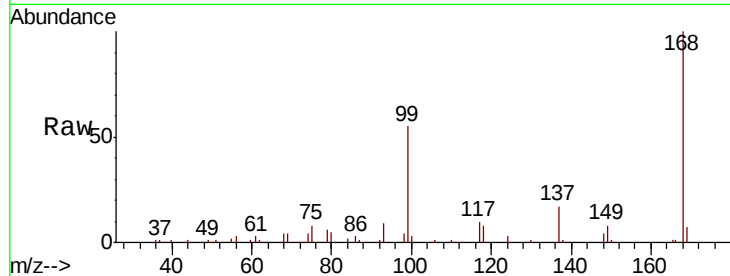




#31
Cyclohexane
Concen: 1.470 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012879.D
Acq: 10 Sep 2019 18:59

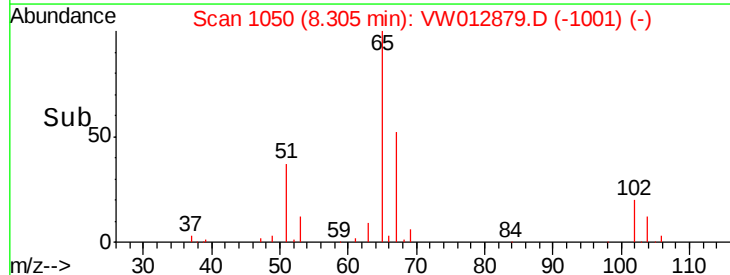
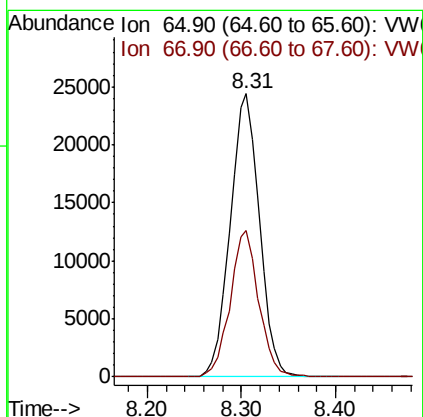
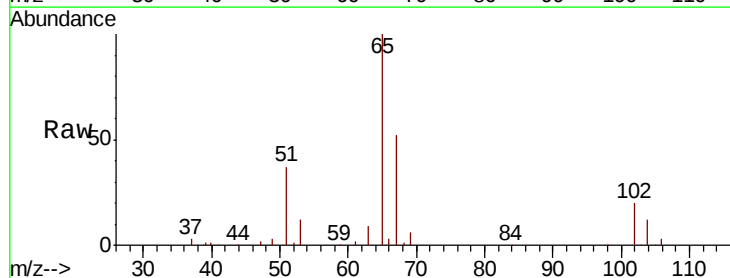
Instrument :
MSVOA_W
ClientSampleId :
SB-27-8.5-9.0

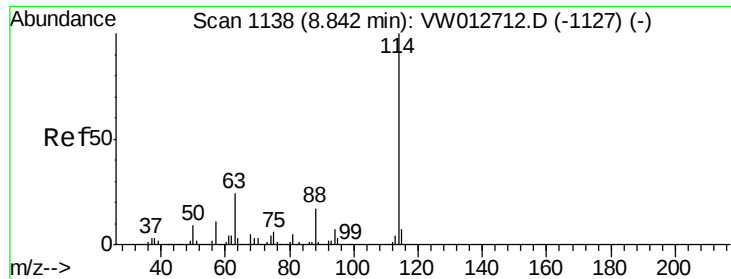
Tgt Ion: 56 Resp: 2381
Ion Ratio Lower Upper
56 100
69 151.2 25.7 38.5#
84 85.6 60.4 90.6



#33
1,2-Dichloroethane-d4
Concen: 47.695 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012879.D
Acq: 10 Sep 2019 18:59

Tgt Ion: 65 Resp: 52570
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.8

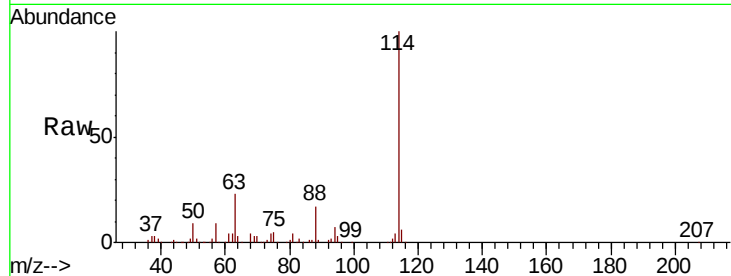




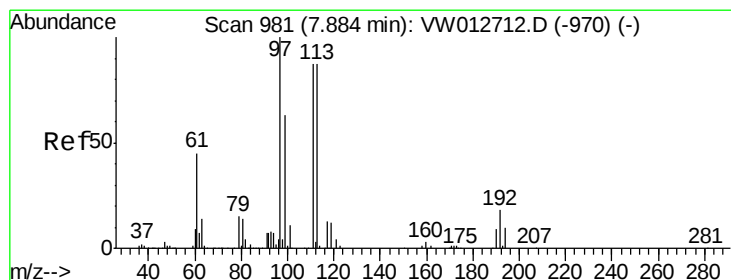
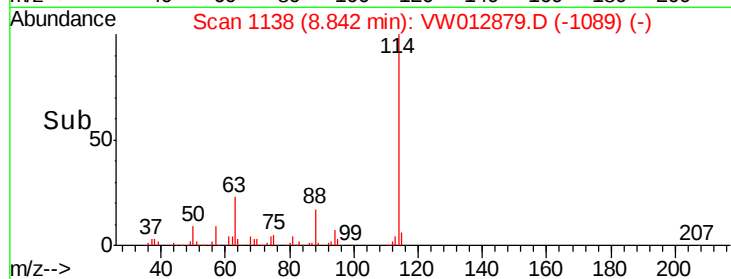
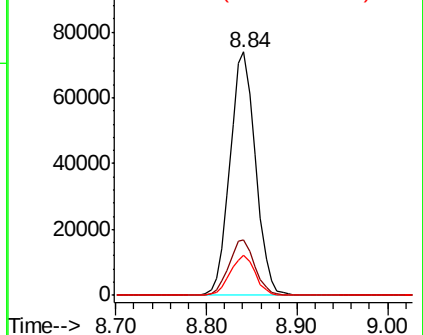
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012879.D
 Acq: 10 Sep 2019 18:59

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-27-8.5-9.0

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	47.2
88	16.5	0.0	34.0

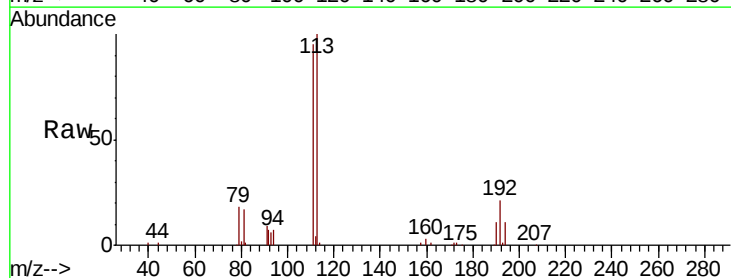


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

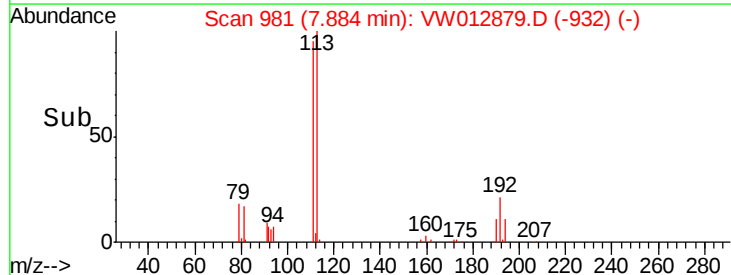
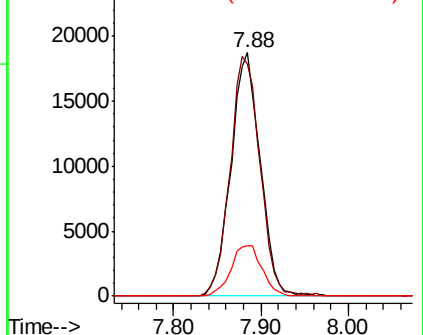


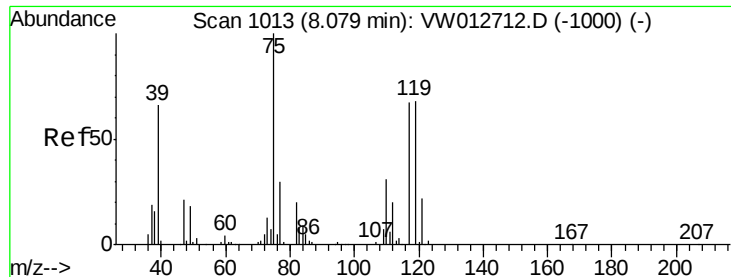
#35
 Dibromofluoromethane
 Concen: 50.690 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012879.D
 Acq: 10 Sep 2019 18:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.2	120.4
192	22.0	17.3	25.9



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: 5.675 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012879.D

Acq: 10 Sep 2019 18:59

Instrument :

MSVOA_W

ClientSampleId :

SB-27-8.5-9.0

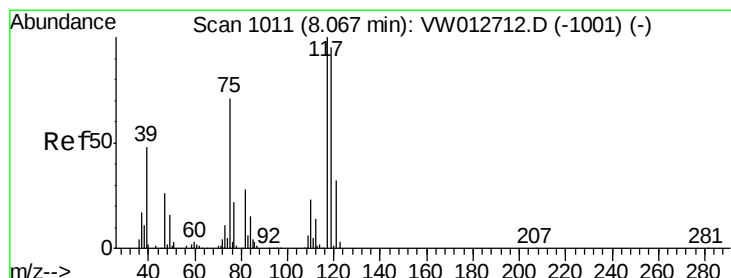
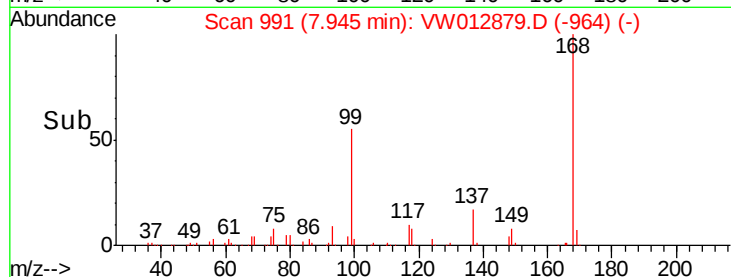
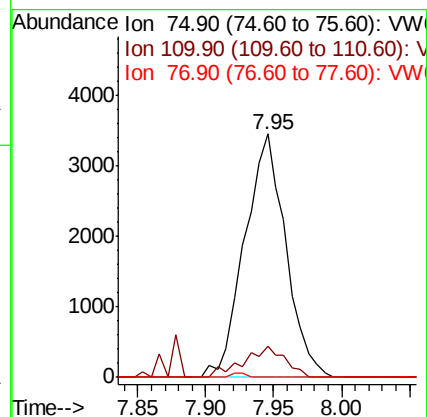
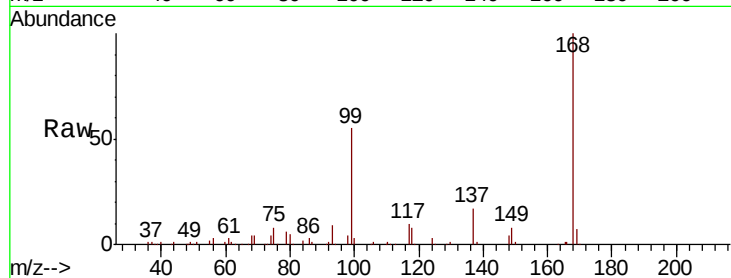
Tgt Ion: 75 Resp: 7296

Ion Ratio Lower Upper

75 100

110 12.9 15.9 47.7#

77 0.6 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 7.648 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012879.D

Acq: 10 Sep 2019 18:59

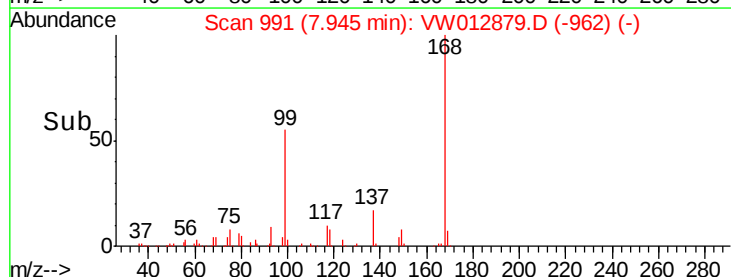
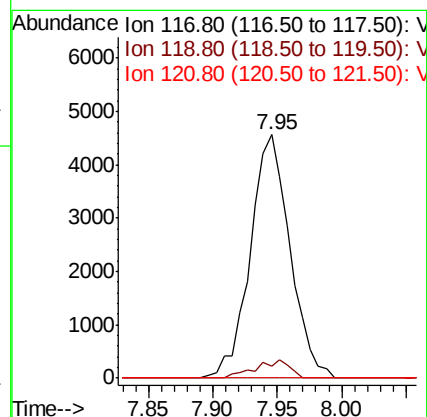
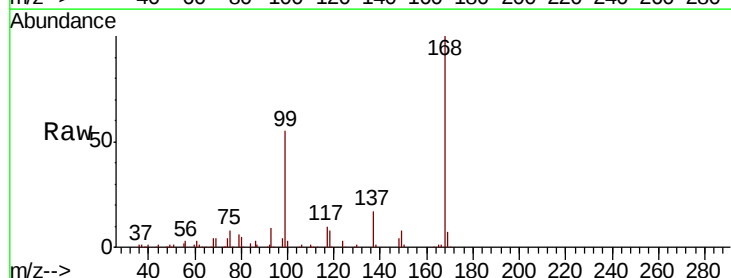
Tgt Ion: 117 Resp: 9692

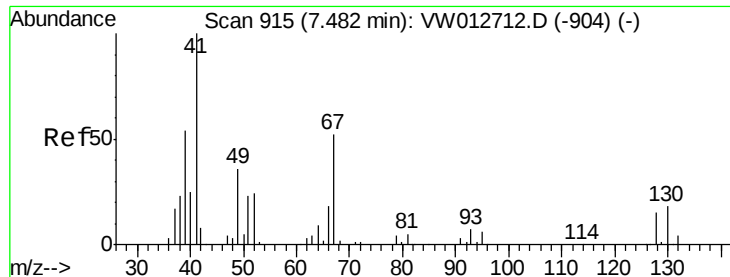
Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

121 0.0 25.4 38.2#





#41

Methacrylonitrile

Concen: 3.884 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW012879.D

Acq: 10 Sep 2019 18:59

Instrument :

MSVOA_W

ClientSampleId :

SB-27-8.5-9.0

Tgt Ion: 41 Resp: 27

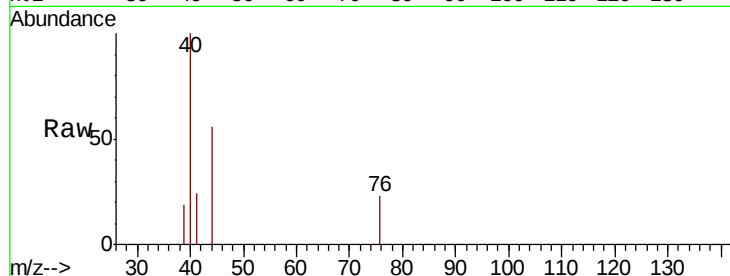
Ion Ratio Lower Upper

41 100

39 77.8 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

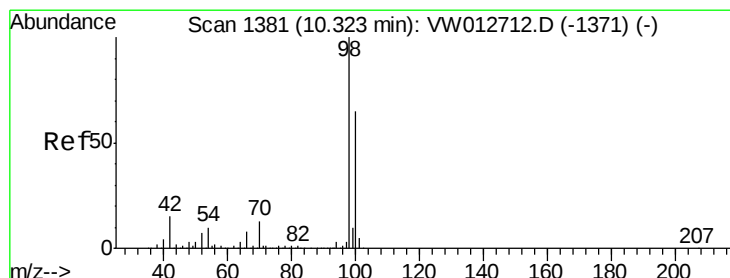
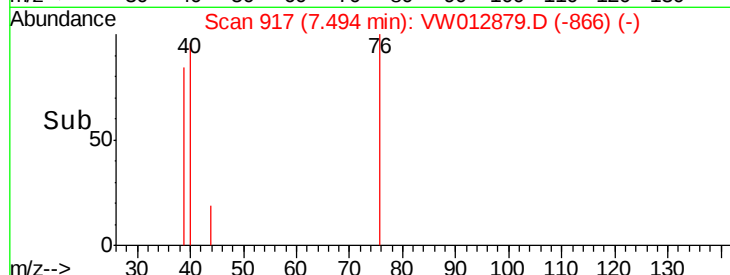
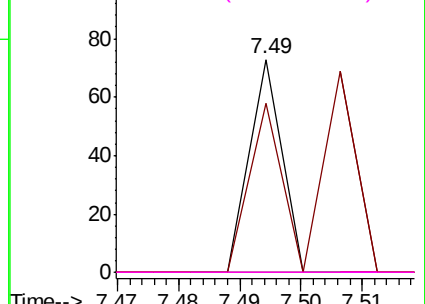


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 50.267 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012879.D

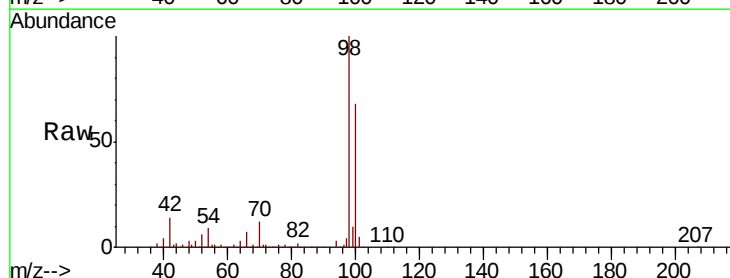
Acq: 10 Sep 2019 18:59

Tgt Ion: 98 Resp: 169405

Ion Ratio Lower Upper

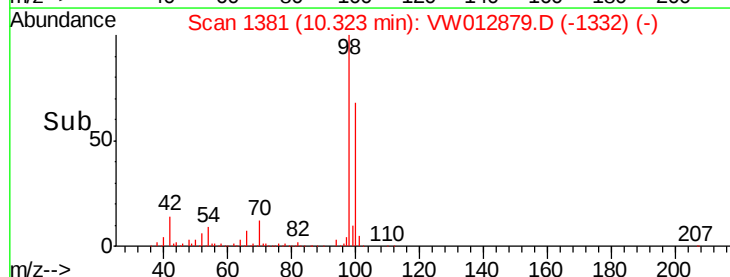
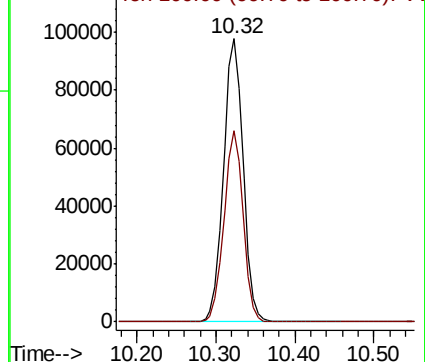
98 100

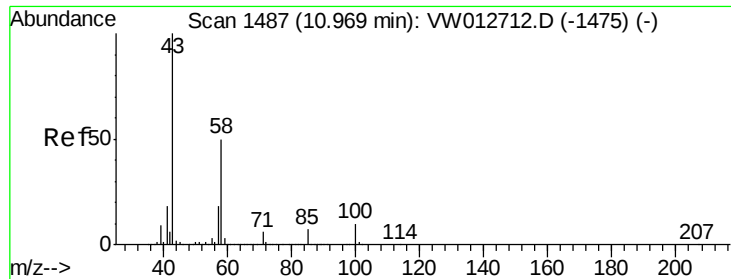
100 65.6 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

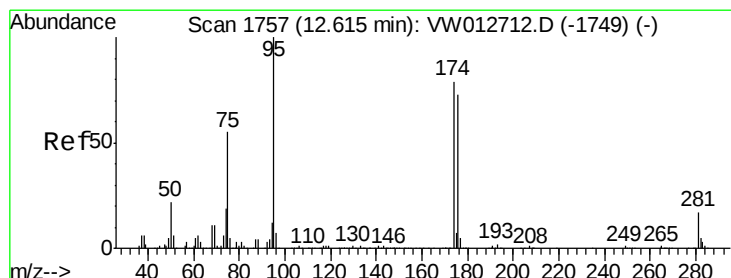
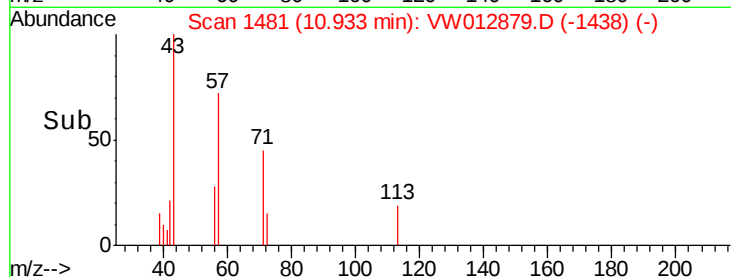
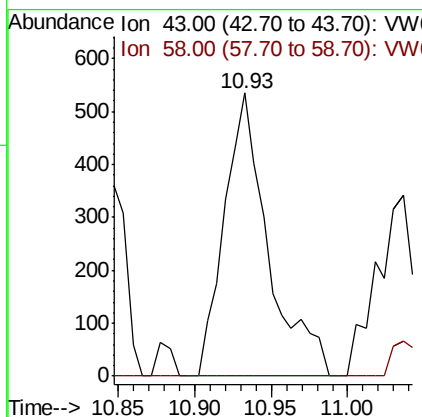
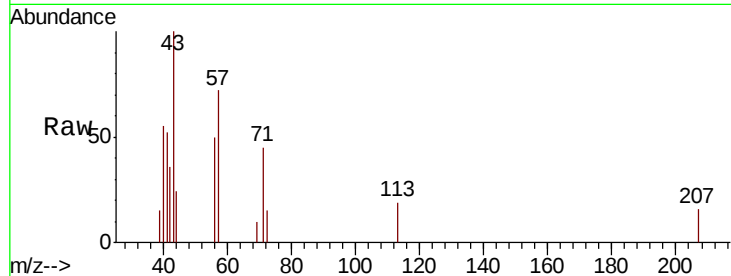




#59
2-Hexanone
Concen: 1.791 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW012879.D
Acq: 10 Sep 2019 18:59

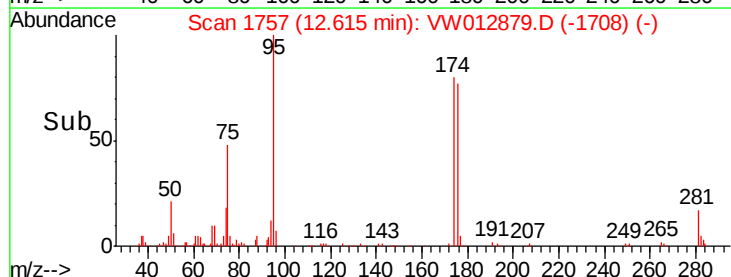
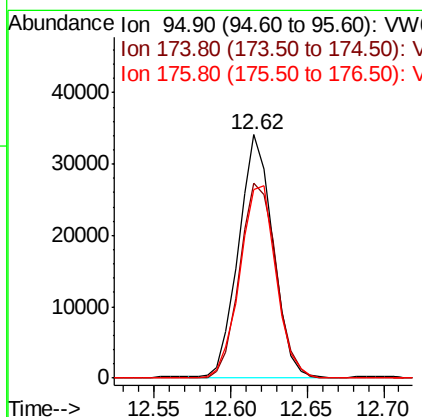
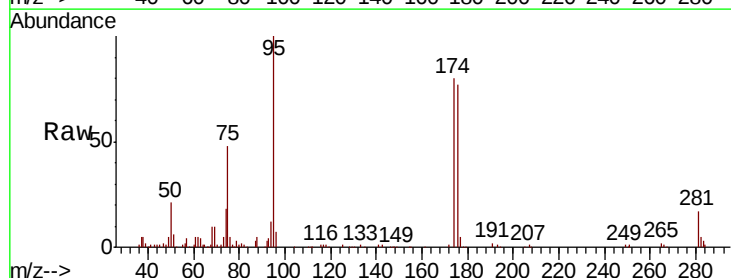
Instrument :
MSVOA_W
ClientSampleId :
SB-27-8.5-9.0

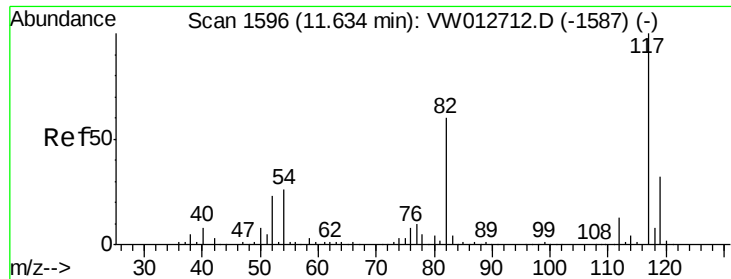
Tgt Ion: 43 Resp: 1066
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 43.310 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012879.D
Acq: 10 Sep 2019 18:59

Tgt Ion: 95 Resp: 52987
Ion Ratio Lower Upper
95 100
174 85.8 0.0 161.0
176 83.7 0.0 156.4

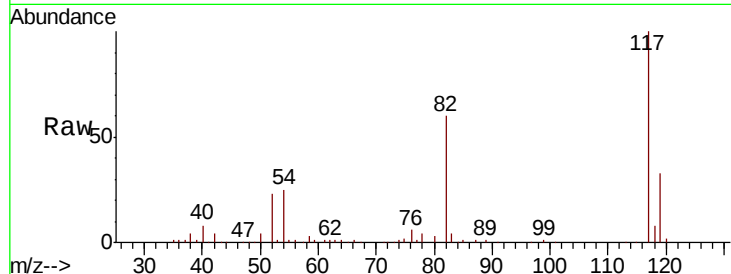




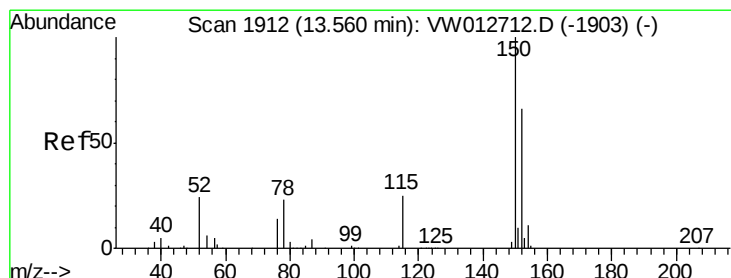
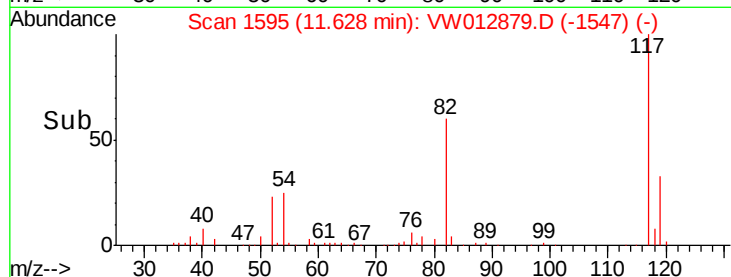
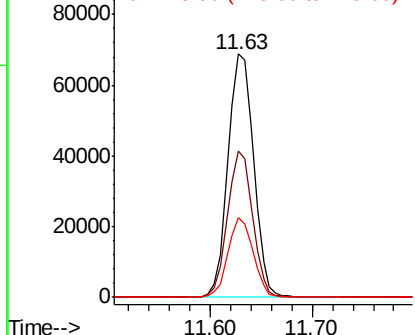
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012879.D
Acq: 10 Sep 2019 18:59

Instrument :
MSVOA_W
ClientSampleId :
SB-27-8.5-9.0

Tgt Ion:117 Resp: 119516
Ion Ratio Lower Upper
117 100
82 60.0 48.2 72.4
119 32.8 25.8 38.6

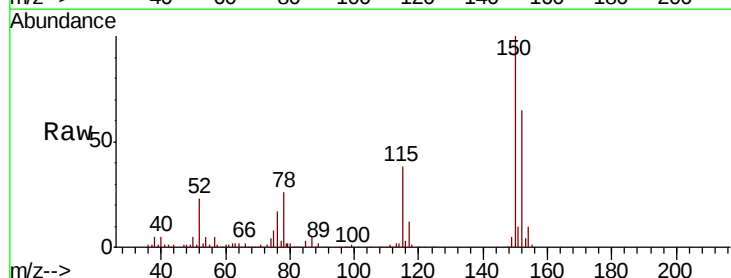


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

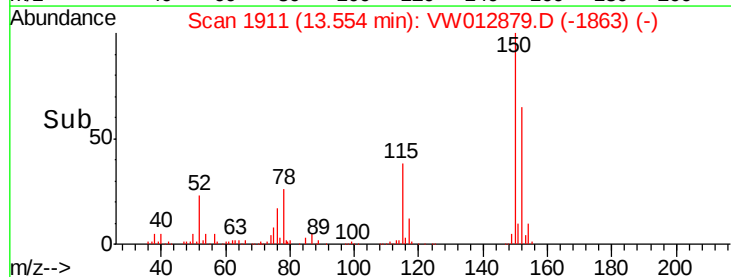
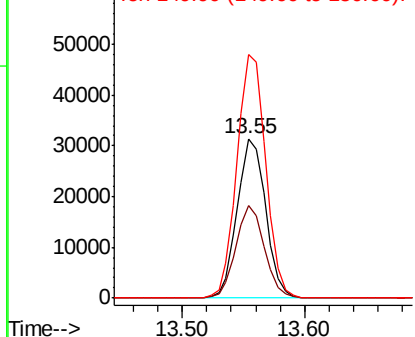


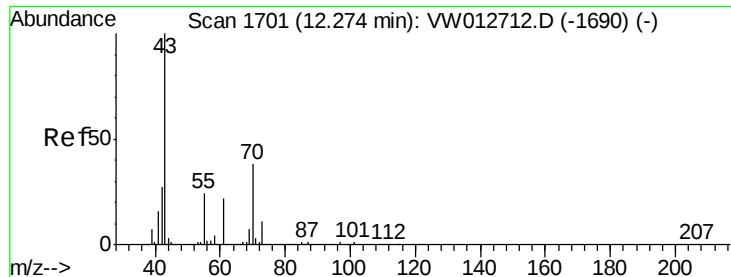
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012879.D
Acq: 10 Sep 2019 18:59

Tgt Ion:152 Resp: 50631
Ion Ratio Lower Upper
152 100
115 57.9 30.0 90.1
150 154.6 0.0 349.0



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

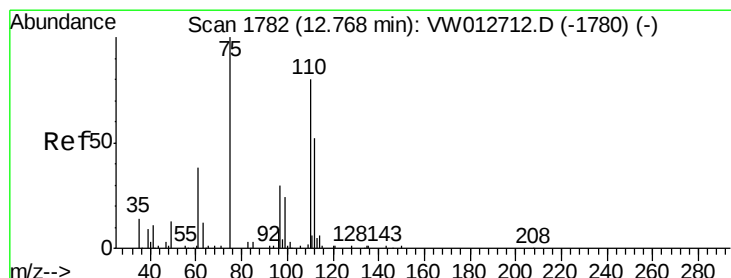
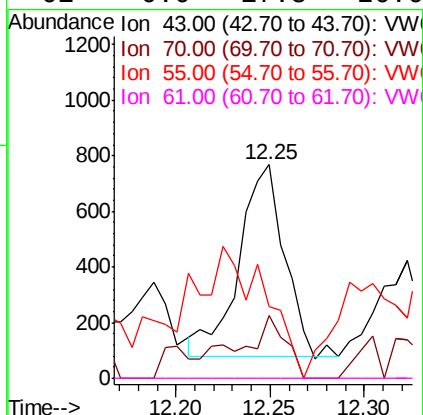
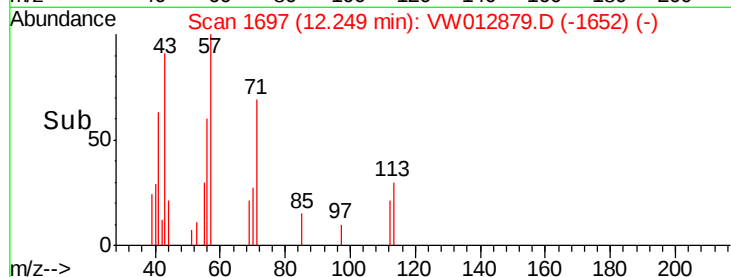
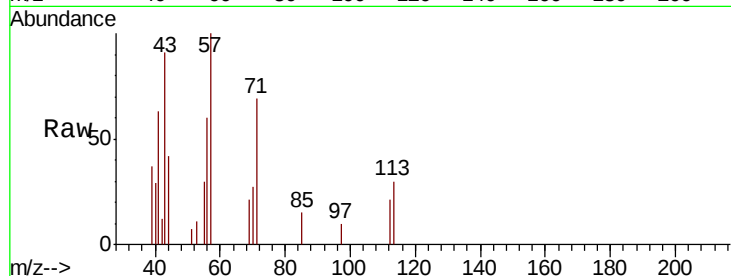




#74
N-amyI acetate
Concen: 1.008 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW012879.D
Acq: 10 Sep 2019 18:59

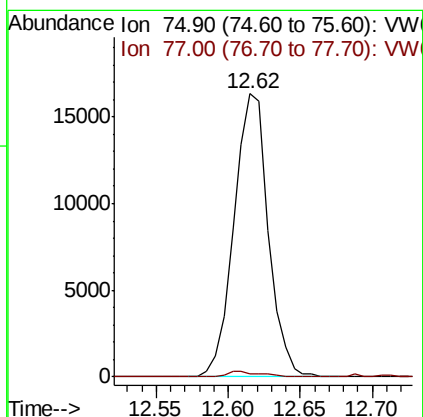
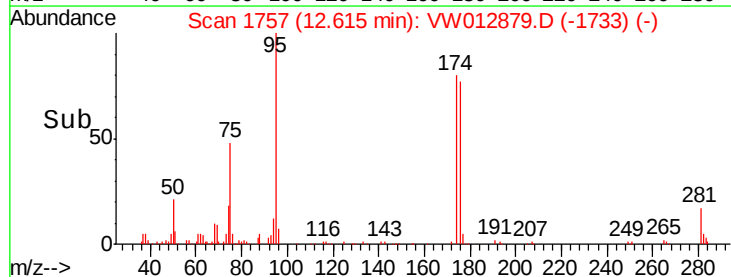
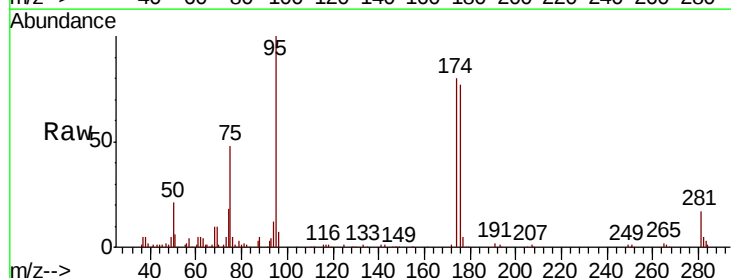
Instrument :
MSVOA_W
ClientSampleId :
SB-27-8.5-9.0

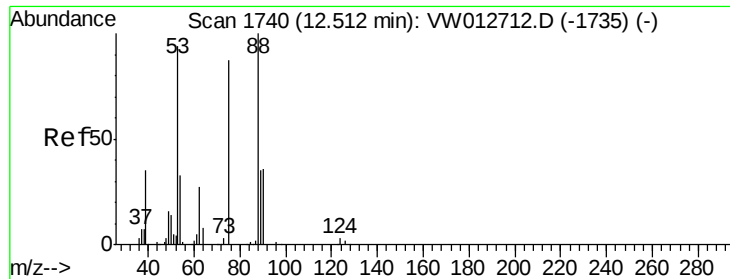
Tgt Ion: 43 Resp: 1162
Ion Ratio Lower Upper
43 100
70 22.3 29.4 44.0#
55 0.0 18.6 27.8#
61 0.0 17.8 26.6#



#76
1,2,3-Trichloropropane
Concen: 52.427 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012879.D
Acq: 10 Sep 2019 18:59

Tgt Ion: 75 Resp: 27143
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#

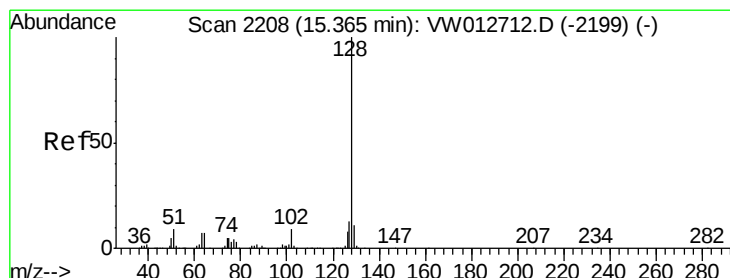
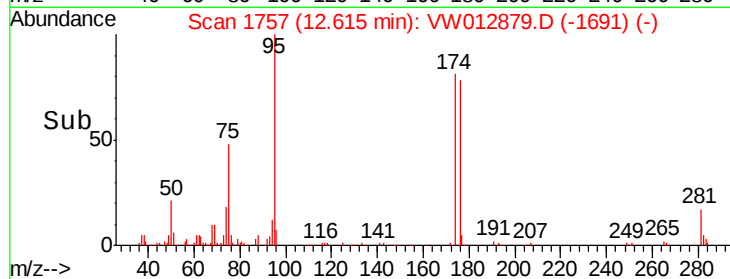
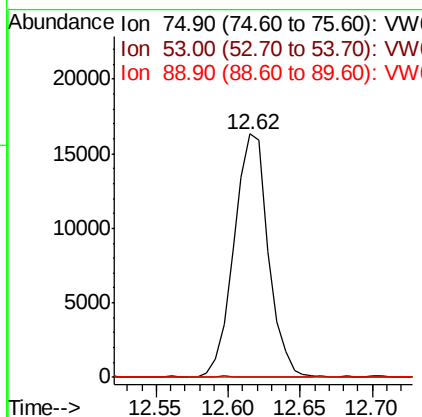
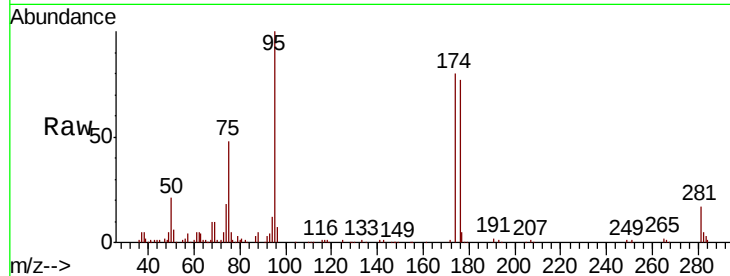




#81
trans-1,4-Dichloro-2-butene
Concen: 110.888 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012879.D
Acq: 10 Sep 2019 18:59

Instrument :
MSVOA_W
ClientSampleId :
SB-27-8.5-9.0

Tgt Ion: 75 Resp: 27143
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 35.5 53.3#



#95
Naphthalene
Concen: 4.845 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012879.D
Acq: 10 Sep 2019 18:59

Tgt Ion: 128 Resp: 947
Ion Ratio Lower Upper
128 100
127 5.1 10.7 16.1#
129 3.9 8.7 13.1#

