

Data File : VW012727.D
Acq On : 07 Sep 2019 18:38
Operator : SY/VA
Sample : K4554-22
Misc : 6.21G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-9-(7-9)

Quant Time: Sep 08 05:13:24 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	220347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	272785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116215	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	122067	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	7.88	113	100364	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.32	98	377704	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	12.62	95	127902	45.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.58%	

Target Compounds

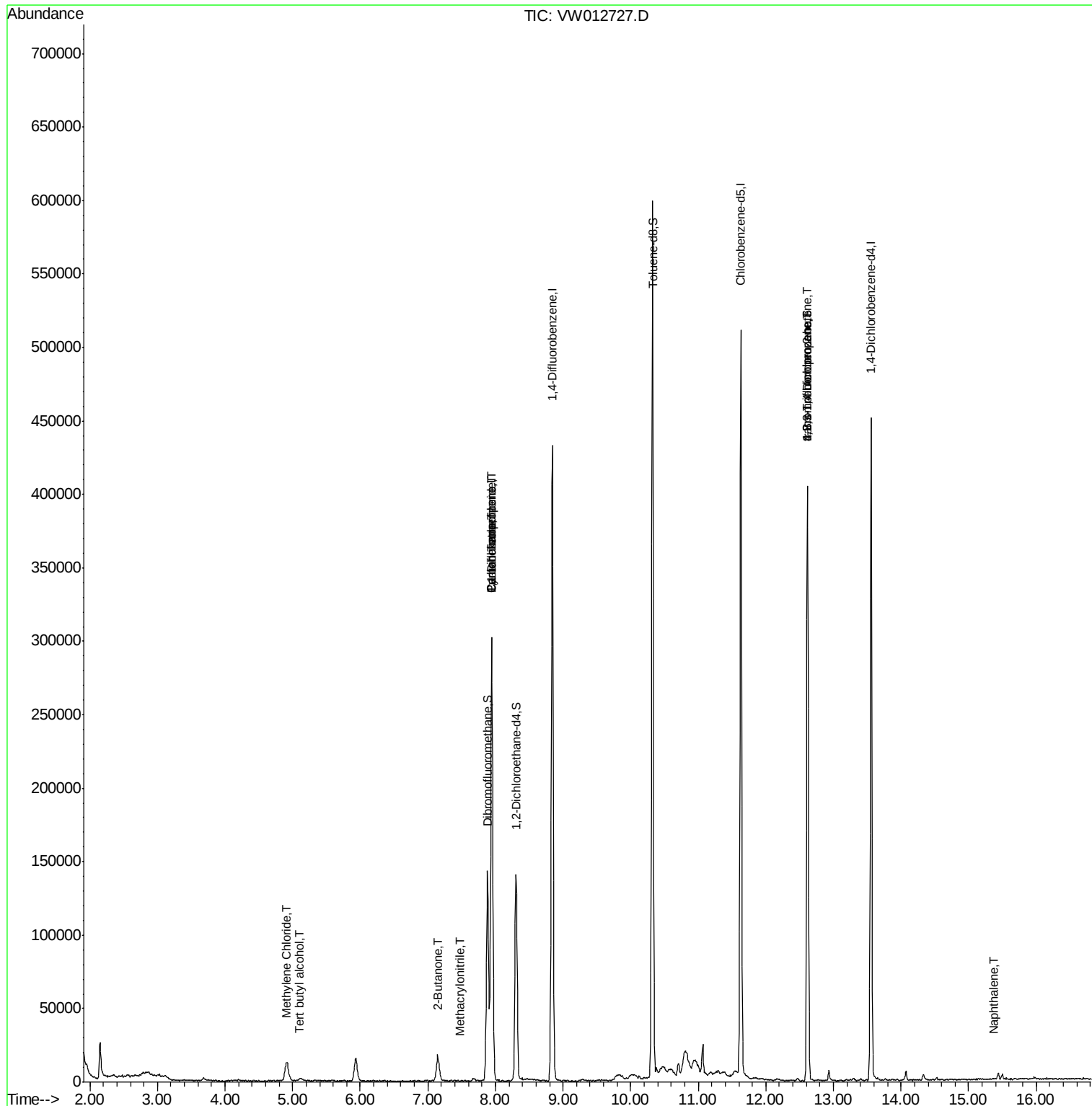
						Qvalue
11) Tert butyl alcohol	5.10	59	1104	5.861	ug/l #	72
20) Methylene Chloride	4.90	84	9831	4.682	ug/l	97
25) 2-Butanone	7.14	43	1360	20.948	ug/l #	53
31) Cyclohexane	7.95	56	5383	1.487	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18147	6.116	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22933	7.840	ug/l #	15
41) Methacrylonitrile	7.48	41	22	3.855	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	68613	57.738	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68613	122.120	ug/l #	6
95) Naphthalene	15.37	128	219	4.480	ug/l #	69

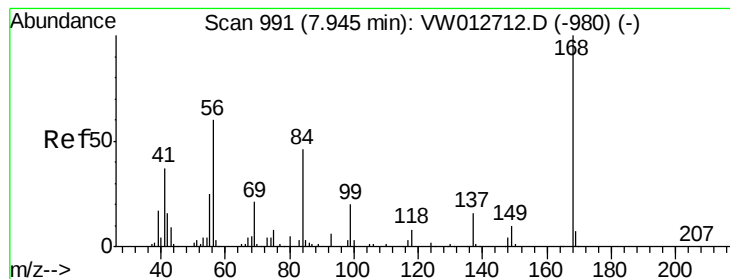
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012727.D

Acq: 07 Sep 2019 18:38

Instrument :

MSVOA_W

ClientSampled :

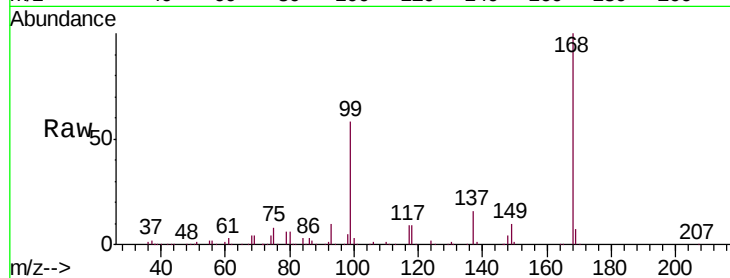
SB-9-(7-9)

Tgt Ion:168 Resp: 220347

Ion Ratio Lower Upper

168 100

99 58.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

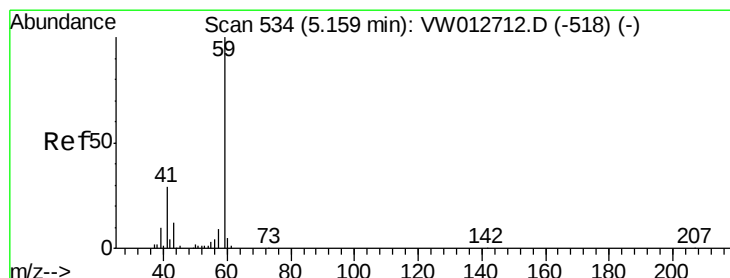
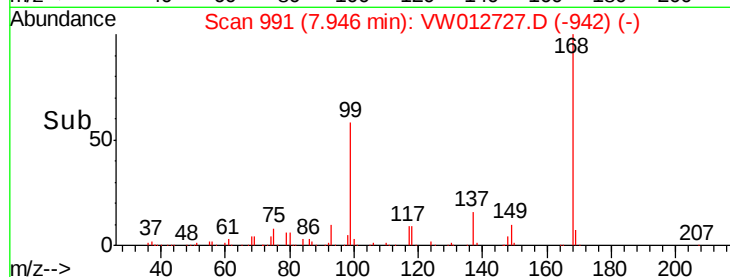
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.861 ug/l

RT: 5.10 min Scan# 525

Delta R.T. -0.05 min

Lab File: VW012727.D

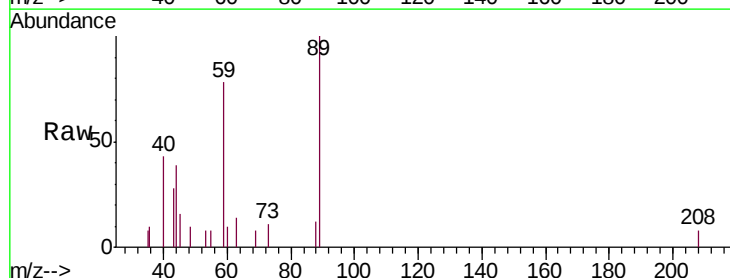
Acq: 07 Sep 2019 18:38

Tgt Ion: 59 Resp: 1104

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.10

600

500

400

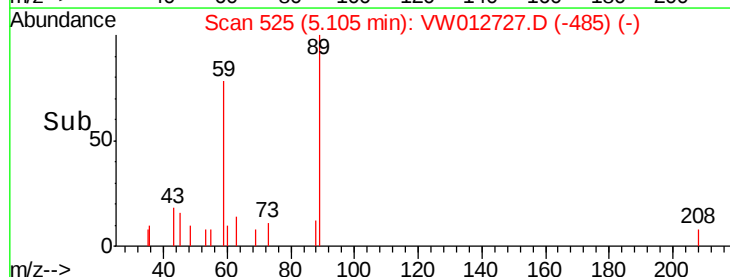
300

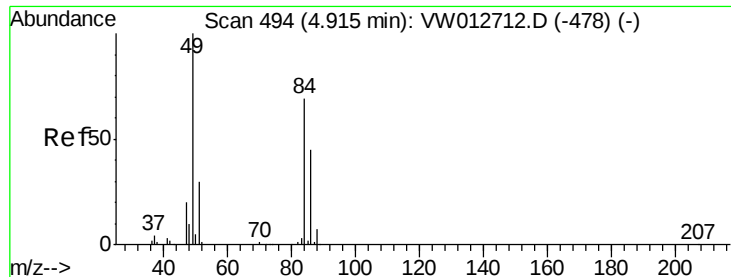
200

100

0

Time-->

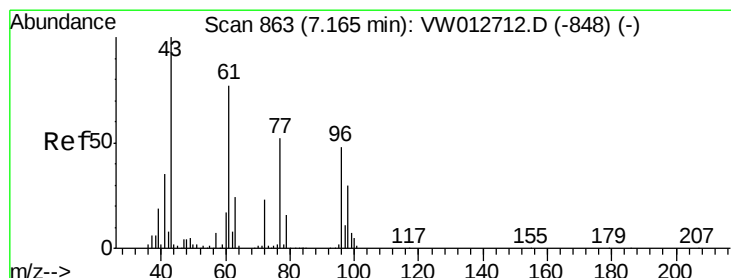
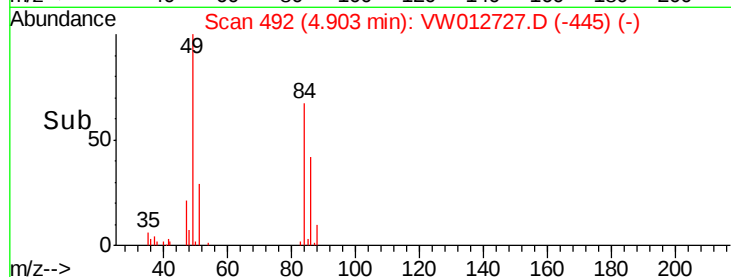
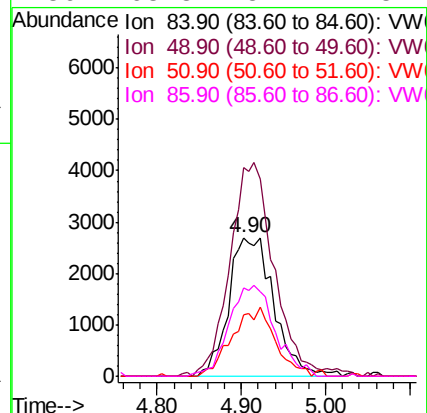
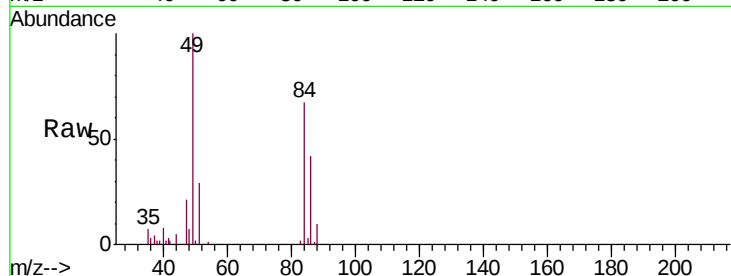




#20
Methylene Chloride
Concen: 4.682 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012727.D
Acq: 07 Sep 2019 18:38

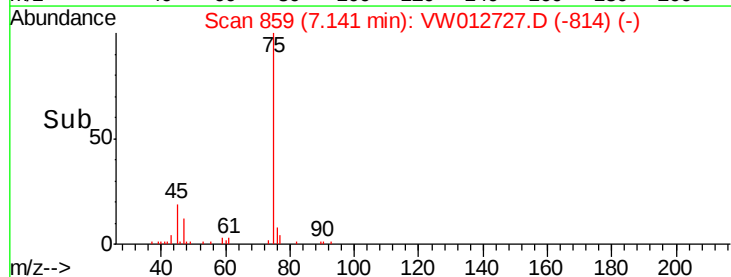
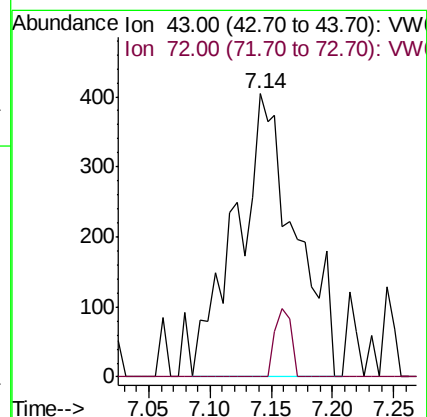
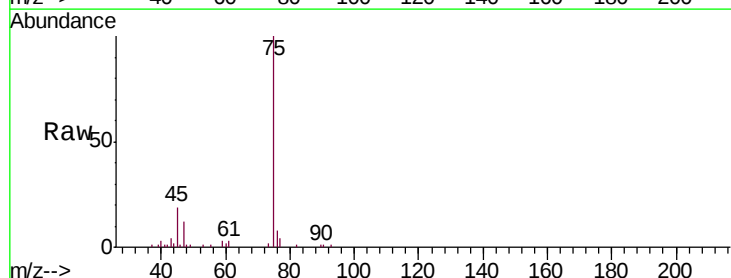
Instrument :
MSVOA_W
ClientSampleId :
SB-9-(7-9)

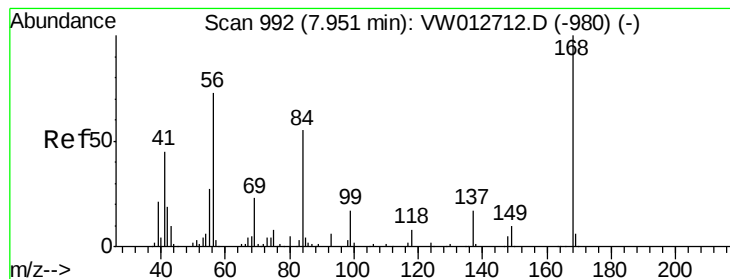
Tgt Ion: 84 Resp: 9831
Ion Ratio Lower Upper
84 100
49 150.2 115.4 173.0
51 43.9 34.9 52.3
86 63.8 52.2 78.4



#25
2-Butanone
Concen: 20.948 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW012727.D
Acq: 07 Sep 2019 18:38

Tgt Ion: 43 Resp: 1360
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#





#31

Cyclohexane

Concen: 1.487 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012727.D

Acq: 07 Sep 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

SB-9-(7-9)

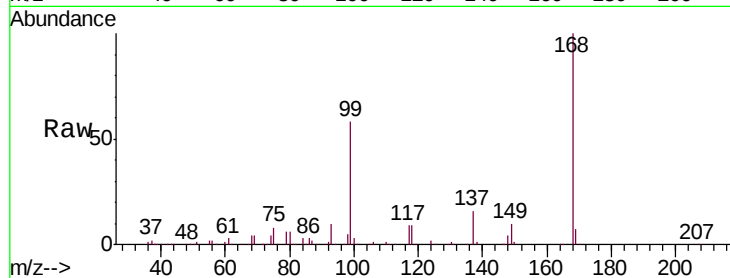
Tgt Ion: 56 Resp: 5383

Ion Ratio Lower Upper

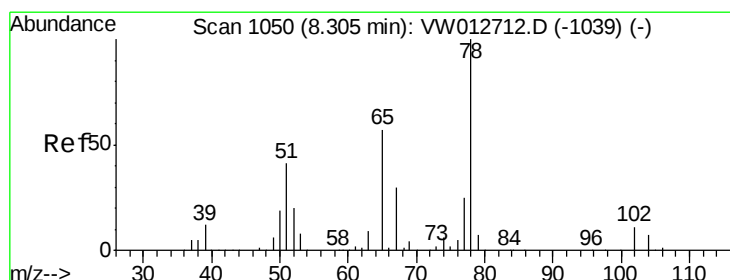
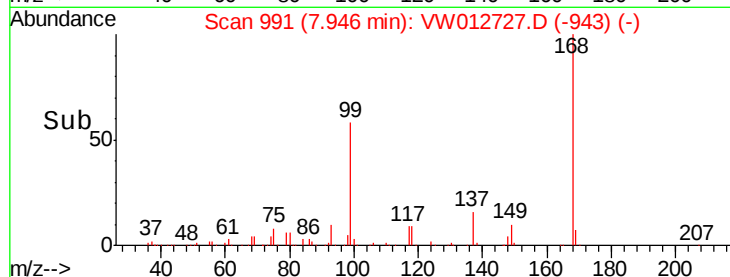
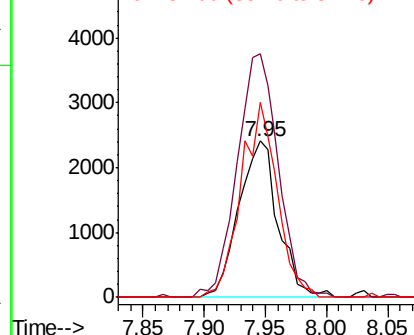
56 100

69 155.6 25.7 38.5#

84 124.3 60.4 90.6#



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: 49.580 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012727.D

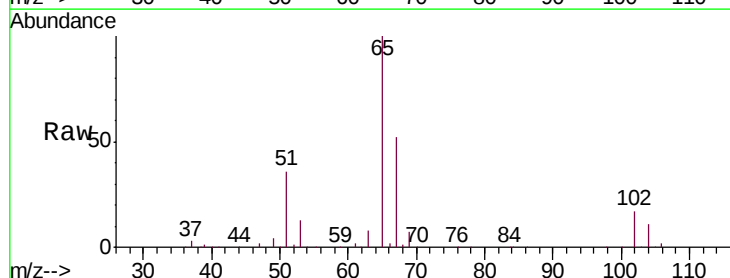
Acq: 07 Sep 2019 18:38

Tgt Ion: 65 Resp: 122067

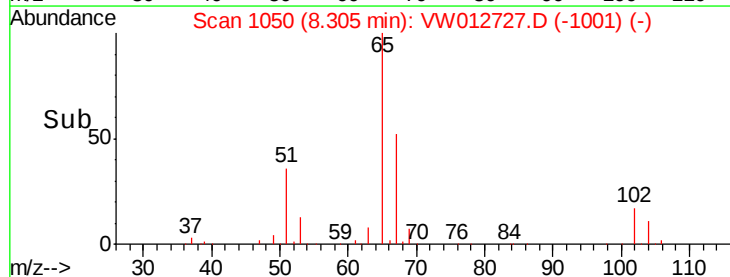
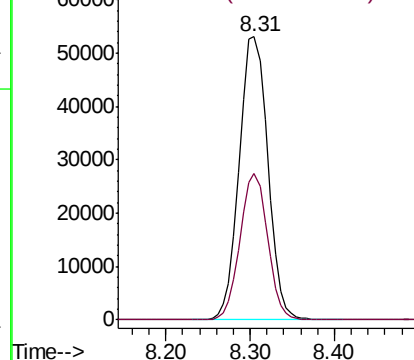
Ion Ratio Lower Upper

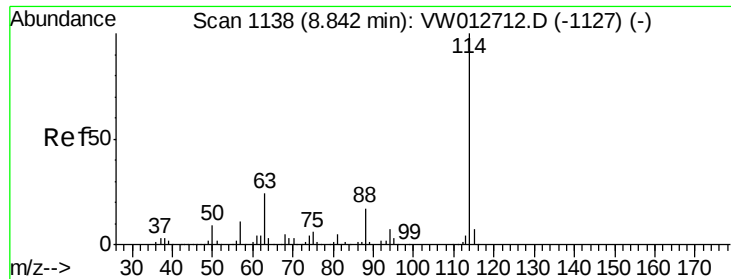
65 100

67 49.8 0.0 101.8



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: VW012727.D

Acq: 07 Sep 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

SB-9-(7-9)

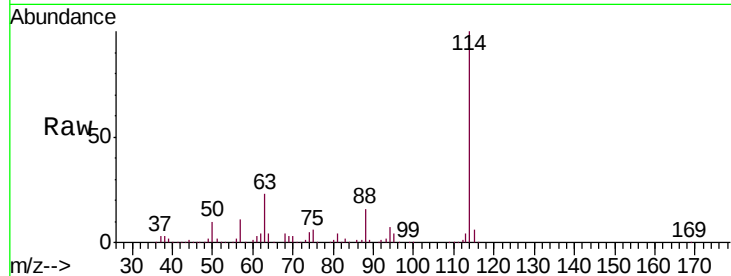
Tgt Ion:114 Resp: 333958

Ion Ratio Lower Upper

114 100

63 23.5 0.0 47.2

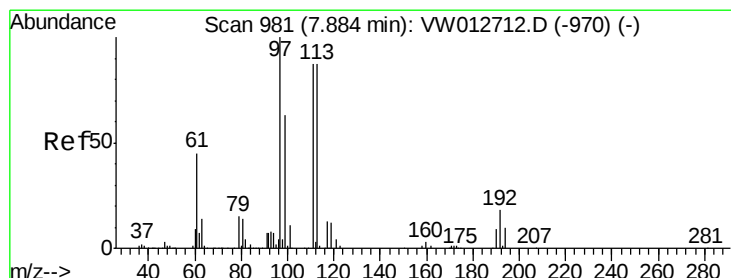
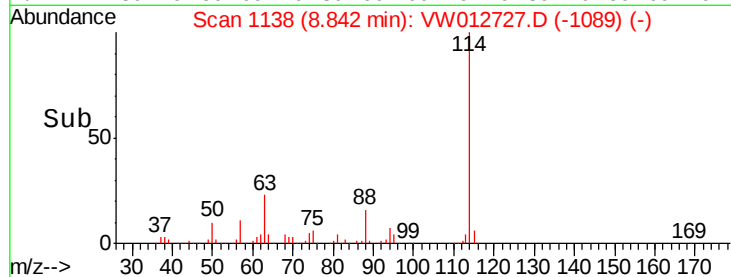
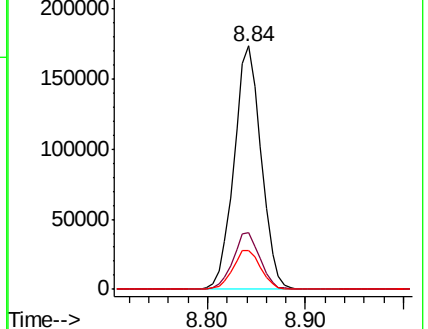
88 16.2 0.0 34.0



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: 50.549 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012727.D

Acq: 07 Sep 2019 18:38

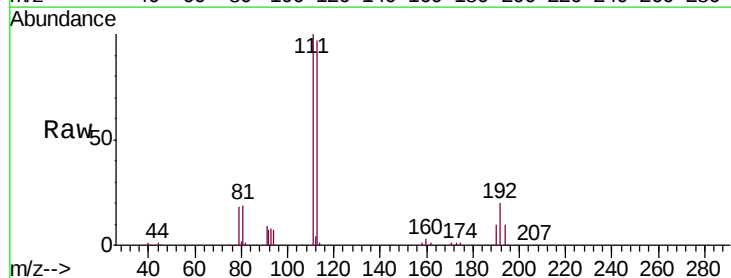
Tgt Ion:113 Resp: 100364

Ion Ratio Lower Upper

113 100

111 102.7 80.2 120.4

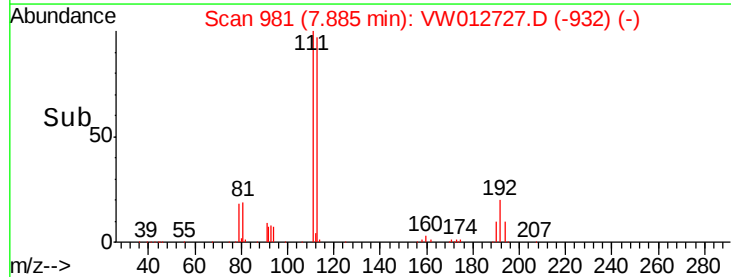
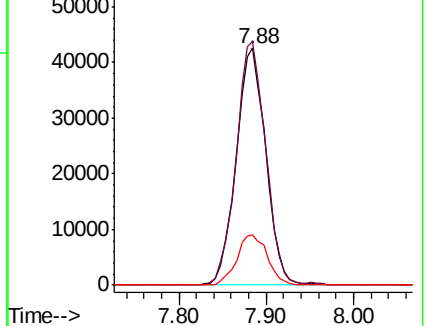
192 21.7 17.3 25.9

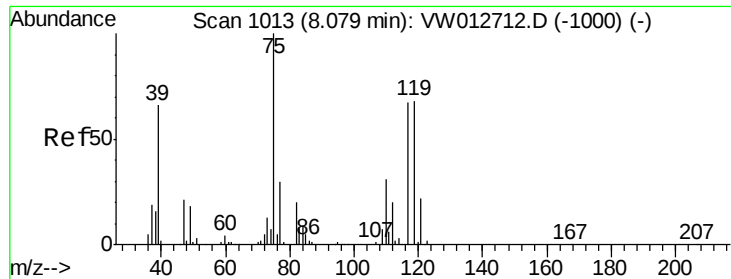


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

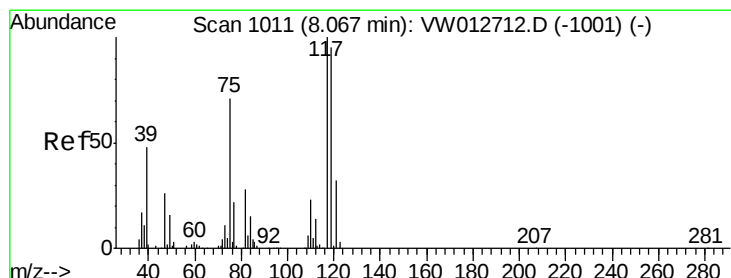
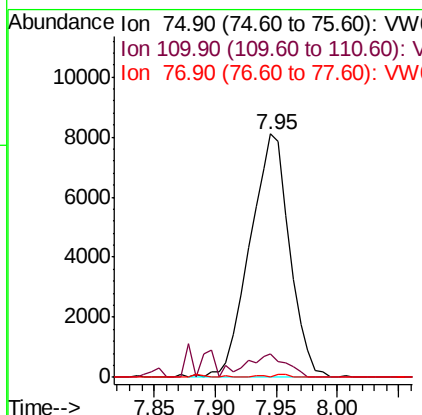
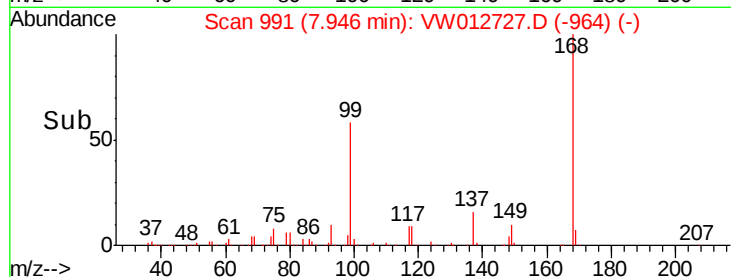
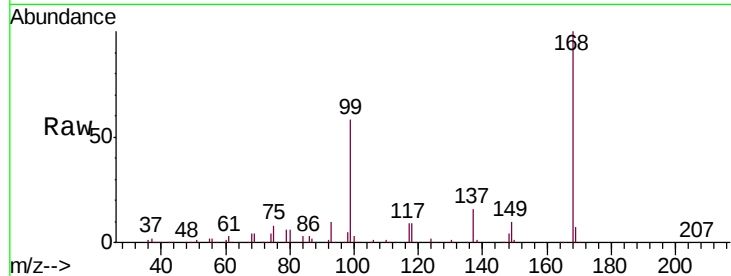




#36
 1,1-Dichloropropene
 Concen: 6.116 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012727.D
 Acq: 07 Sep 2019 18:38

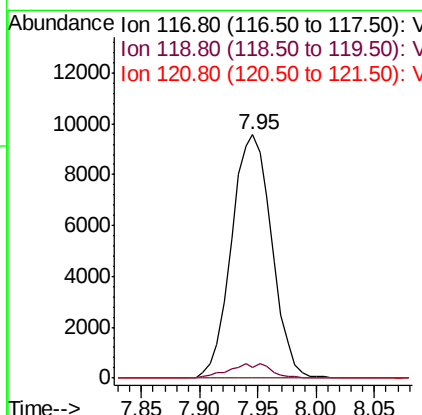
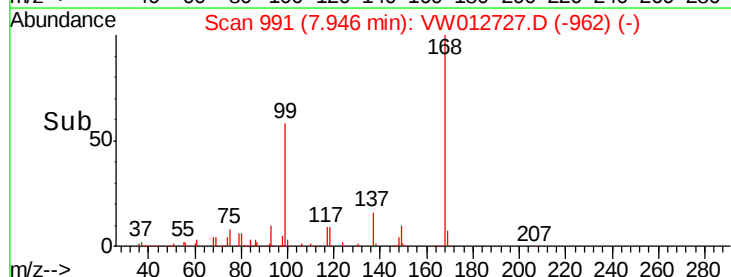
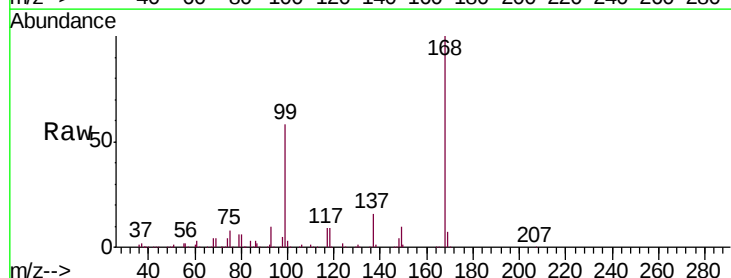
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-9-(7-9)

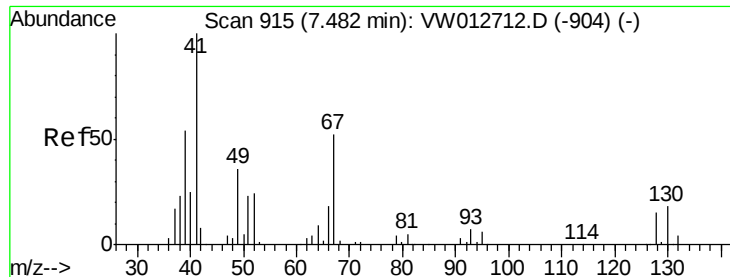
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.9	47.7#
77	0.6	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.840 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012727.D
 Acq: 07 Sep 2019 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.2	114.2#
121	0.0	25.4	38.2#





#41

Methacrylonitrile

Concen: 3.855 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012727.D

Acq: 07 Sep 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

SB-9-(7-9)

Tgt Ion: 41 Resp: 22

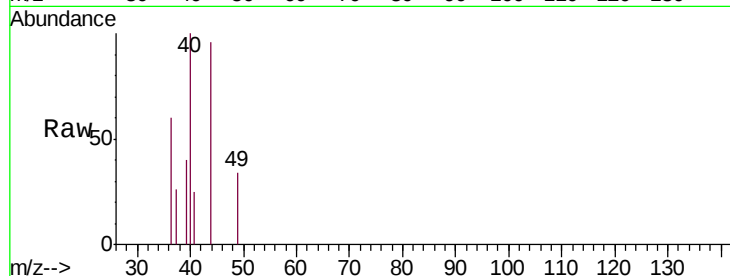
Ion Ratio Lower Upper

41 100

39 272.7 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

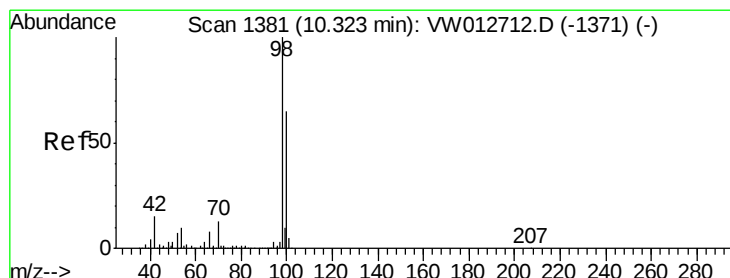
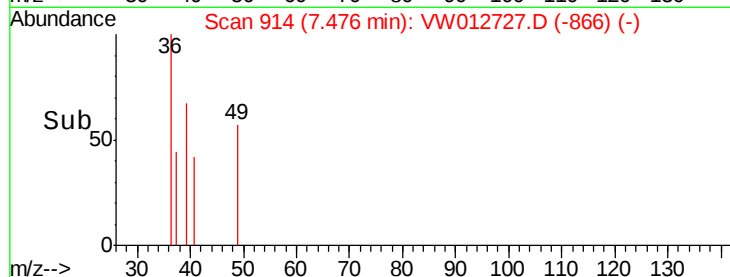
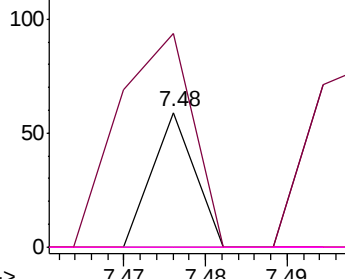


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 48.557 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012727.D

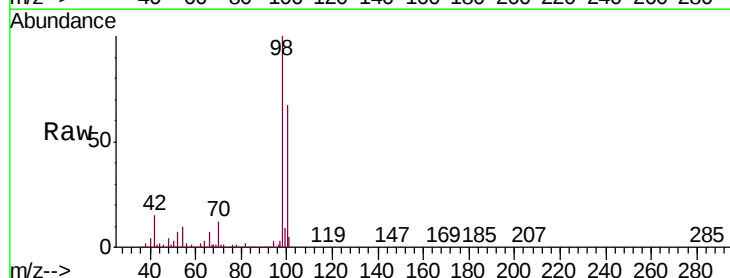
Acq: 07 Sep 2019 18:38

Tgt Ion: 98 Resp: 377704

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

Ion 102.00 (101.70 to 102.70): VW

Ion 104.00 (103.70 to 104.70): VW

Ion 106.00 (105.70 to 106.70): VW

Ion 108.00 (107.70 to 108.70): VW

Ion 110.00 (109.70 to 110.70): VW

Ion 112.00 (111.70 to 112.70): VW

Ion 114.00 (113.70 to 114.70): VW

Ion 116.00 (115.70 to 116.70): VW

Ion 118.00 (117.70 to 118.70): VW

Ion 120.00 (119.70 to 120.70): VW

Ion 122.00 (121.70 to 122.70): VW

Ion 124.00 (123.70 to 124.70): VW

Ion 126.00 (125.70 to 126.70): VW

Ion 128.00 (127.70 to 128.70): VW

Ion 130.00 (129.70 to 130.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 134.00 (133.70 to 134.70): VW

Ion 136.00 (135.70 to 136.70): VW

Ion 138.00 (137.70 to 138.70): VW

Ion 140.00 (139.70 to 140.70): VW

Ion 142.00 (141.70 to 142.70): VW

Ion 144.00 (143.70 to 144.70): VW

Ion 146.00 (145.70 to 146.70): VW

Ion 148.00 (147.70 to 148.70): VW

Ion 150.00 (149.70 to 150.70): VW

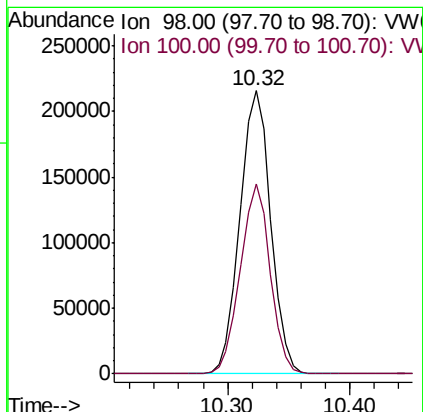
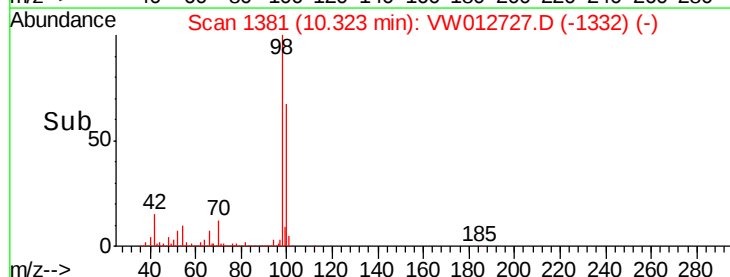
Ion 152.00 (151.70 to 152.70): VW

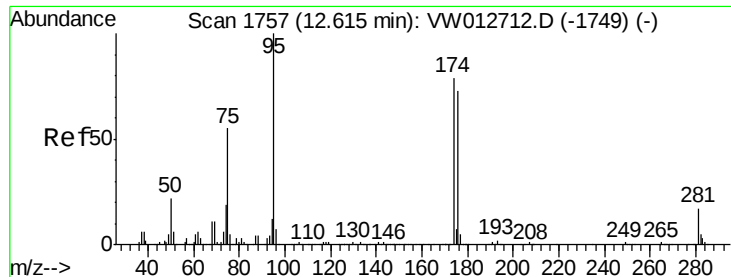
Ion 154.00 (153.70 to 154.70): VW

Ion 156.00 (155.70 to 156.70): VW

Ion 158.00 (157.70 to 158.70): VW

Ion 160.00 (159.70 to 160.70): VW

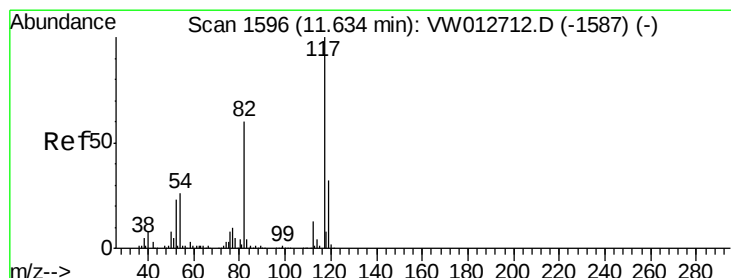
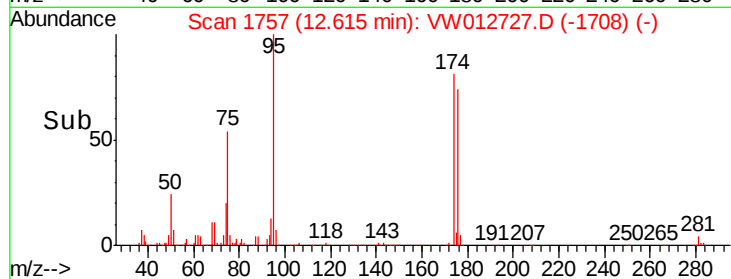
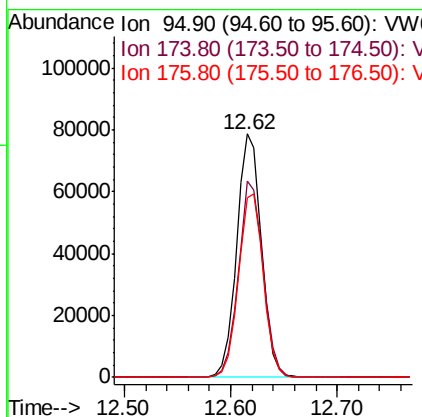
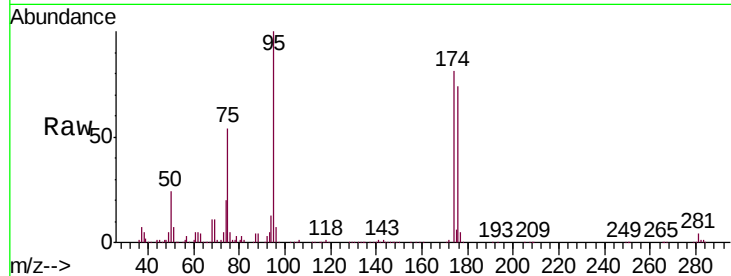




#62
4-Bromofluorobenzene
Concen: 45.293 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012727.D
Acq: 07 Sep 2019 18:38

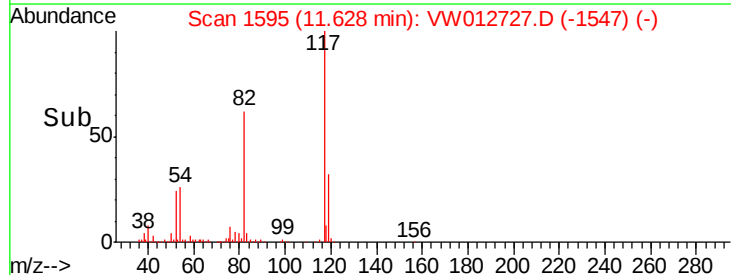
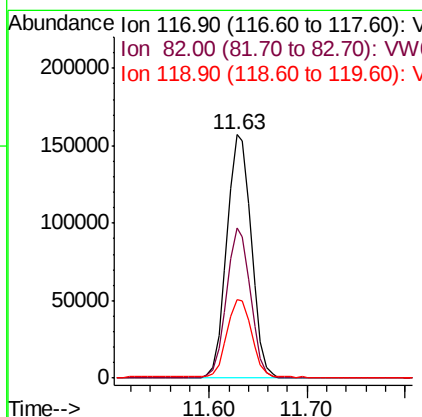
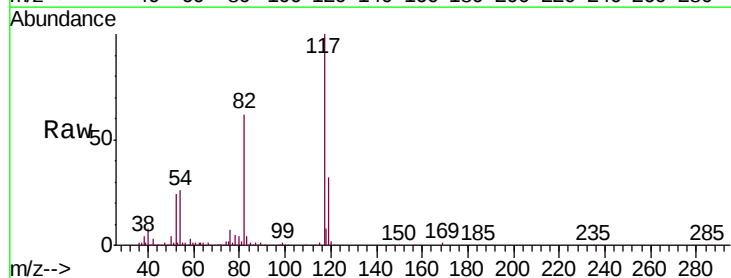
Instrument :
MSVOA_W
ClientSampleId :
SB-9-(7-9)

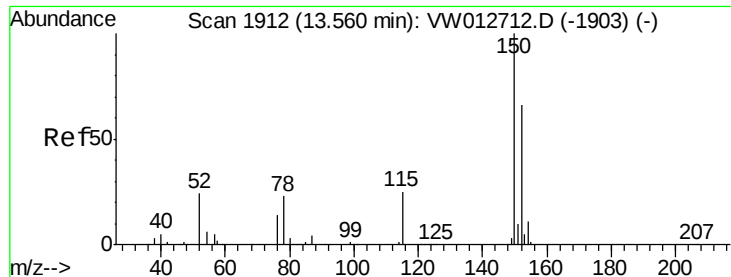
Tgt Ion: 95 Resp: 127902
Ion Ratio Lower Upper
95 100
174 80.7 0.0 161.0
176 76.0 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012727.D
Acq: 07 Sep 2019 18:38

Tgt Ion: 117 Resp: 272785
Ion Ratio Lower Upper
117 100
82 61.8 48.2 72.4
119 32.1 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012727.D

Acq: 07 Sep 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

SB-9-(7-9)

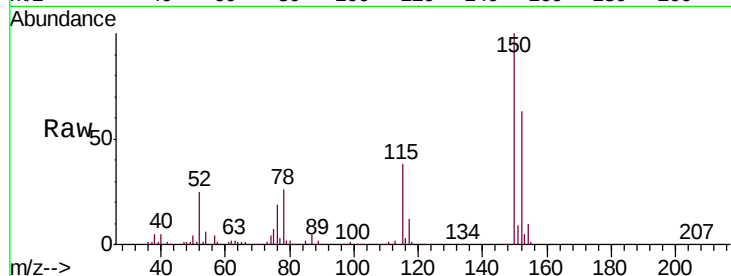
Tgt Ion:152 Resp: 116215

Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.1

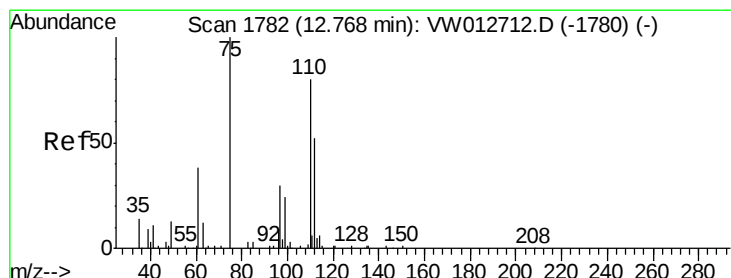
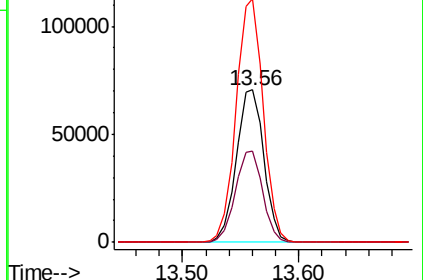
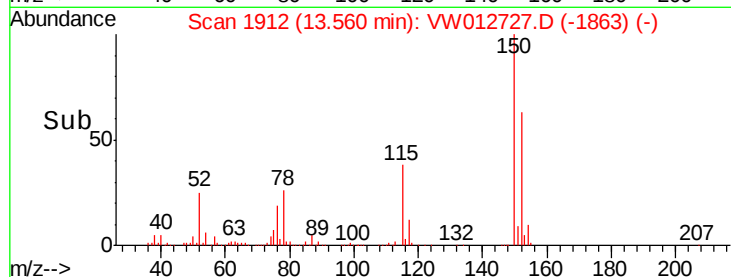
150 157.5 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 57.738 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012727.D

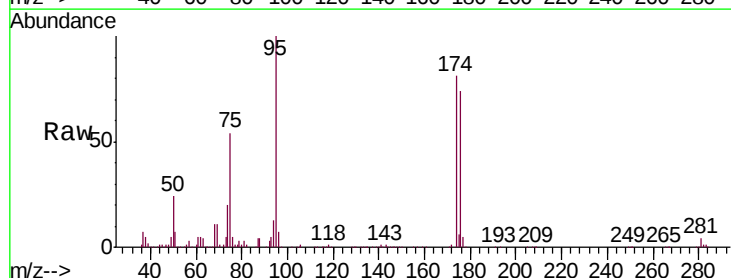
Acq: 07 Sep 2019 18:38

Tgt Ion: 75 Resp: 68613

Ion Ratio Lower Upper

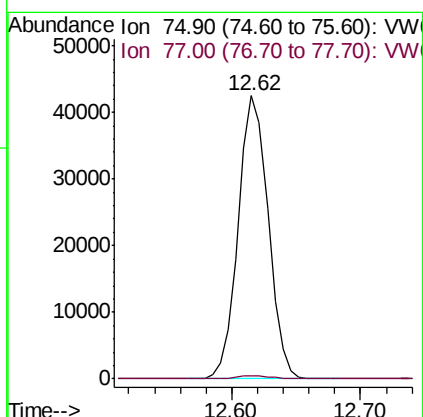
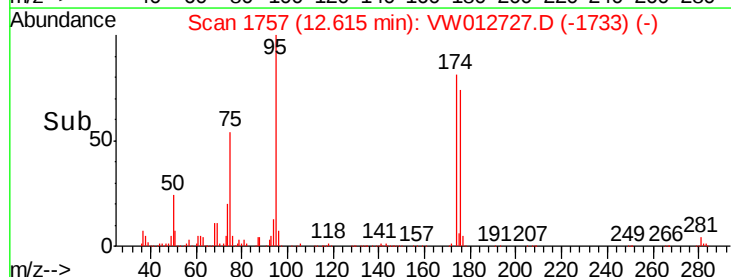
75 100

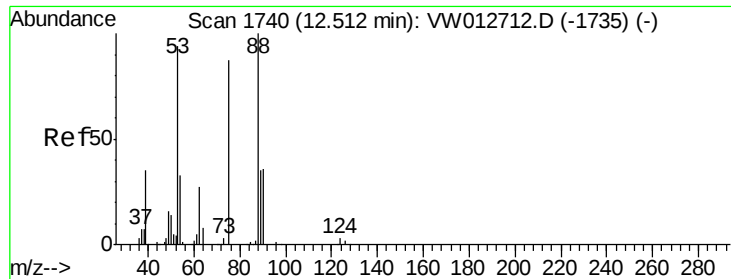
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

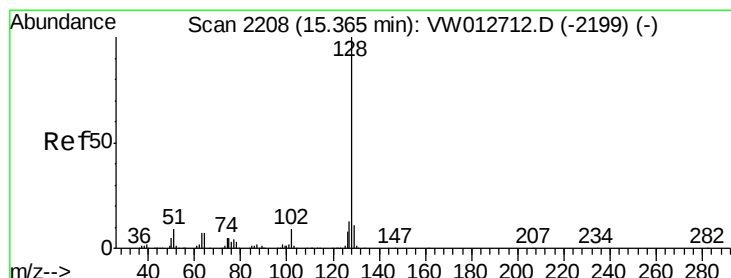
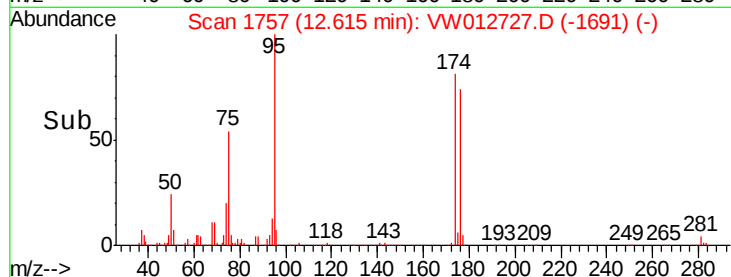
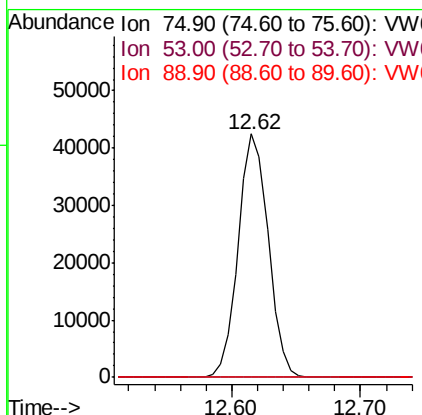
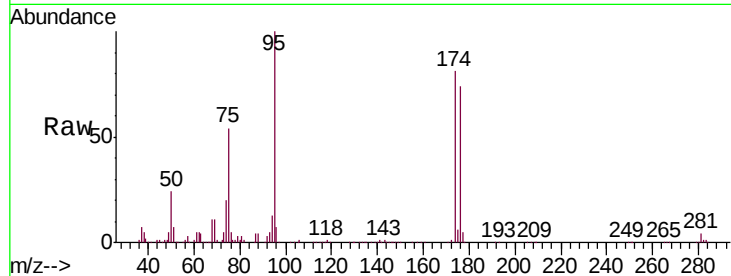




#81
trans-1,4-Dichloro-2-butene
Concen: 122.120 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012727.D
Acq: 07 Sep 2019 18:38

Instrument :
MSVOA_W
ClientSampled :
SB-9-(7-9)

Tgt Ion: 75 Resp: 68613
Ion Ratio Lower Upper
75 100
53 0.2 87.6 131.4#
89 0.0 35.5 53.3#



#95
Naphthalene
Concen: 4.480 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012727.D
Acq: 07 Sep 2019 18:38

Tgt Ion: 128 Resp: 219
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

