

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW012988.D
 Acq On : 14 Sep 2019 12:55
 Operator : SY/VA
 Sample : K4719-07RE
 Misc : 5.47G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:52:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	264567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	400719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	85998	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	150879	61.75	ug/l	0.00
Spiked Amount			Recovery	=	123.50%	
35) Dibromofluoromethane	7.88	113	118762	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
50) Toluene-d8	10.32	98	459922	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.62	95	115753	37.83	ug/l	0.00
Spiked Amount			Recovery	=	75.66%	

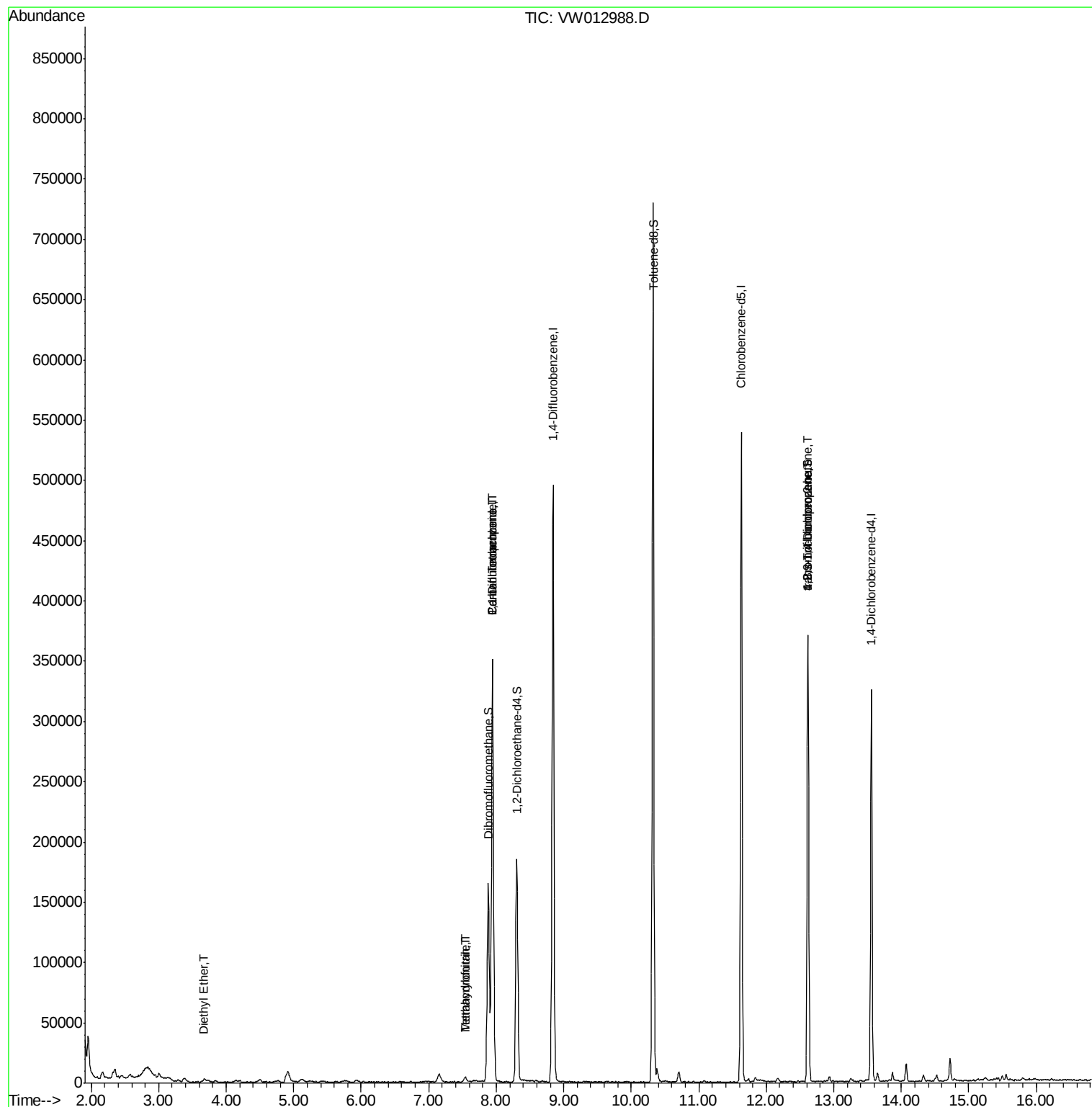
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.10	85	34	Below Cal	#	44
3) Chloromethane	2.20	50	285	Below Cal	#	76
8) Diethyl Ether	3.67	74	1276	1.234	ug/l #	48
11) Tert butyl alcohol	5.13	59	2447	Below Cal	#	72
13) Acrolein	3.92	56	25	Below Cal	#	1
16) Acetone	4.14	43	2170	Below Cal		94
20) Methylene Chloride	4.91	84	6901	Below Cal		97
26) 2,2-Dichloropropane	7.15	77	275	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	3539	7.994	ug/l #	91
31) Cyclohexane	7.95	56	6045	Below Cal	#	10
36) 1,1-Dichloropropene	7.95	75	20522	6.409	ug/l #	52
38) Carbon Tetrachloride	7.94	117	25493	7.769	ug/l #	15
41) Methacrylonitrile	7.54	41	2605	2.327	ug/l #	51
76) 1,2,3-Trichloropropane	12.62	75	60405	80.190	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60405	181.909	ug/l #	7

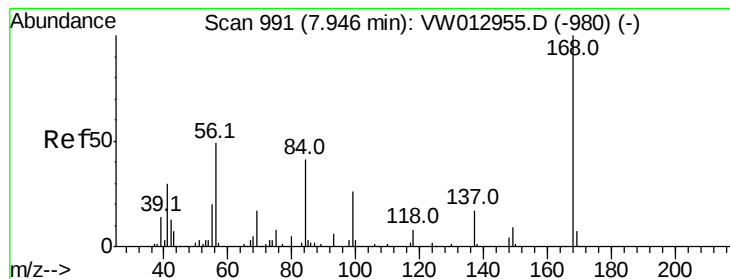
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012988.D

Acq: 14 Sep 2019 12:55

Instrument :

MSVOA_W

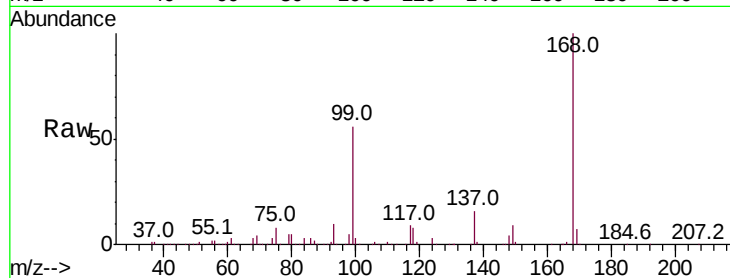
ClientSampleId :

Tot Ion:168 Resp: 264567

Ion Ratio Lower Upper

168 100

99 55.6 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

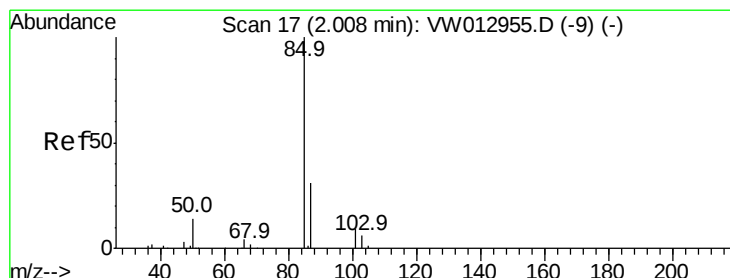
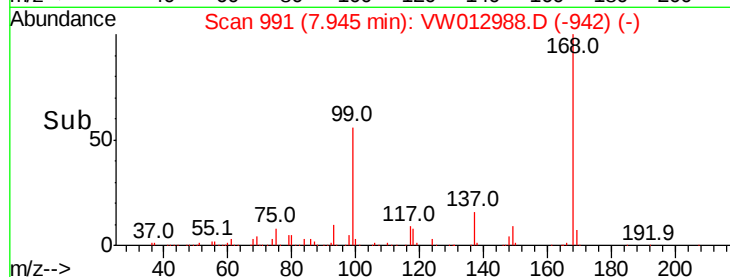
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.10 min Scan# 32

Delta R.T. 0.09 min

Lab File: VW012988.D

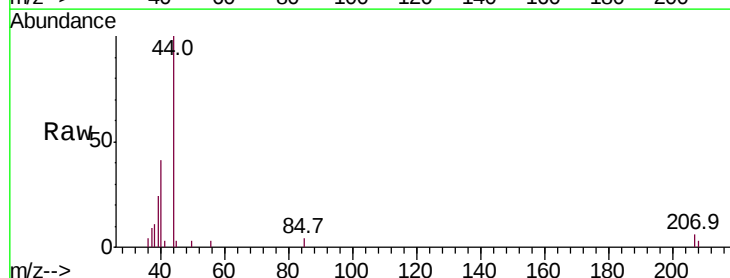
Acq: 14 Sep 2019 12:55

Tgt Ion: 85 Resp: 34

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.10

100

80

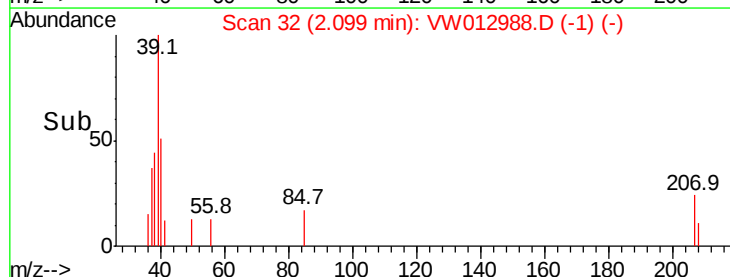
60

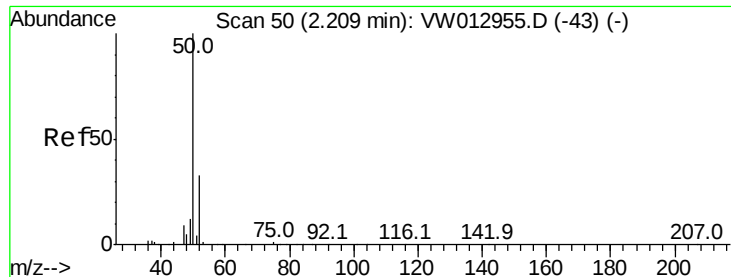
40

20

0

Time--> 2.08 2.09 2.10 2.11





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012988.D

Acq: 14 Sep 2019 12:55

Instrument :

MSVOA_W

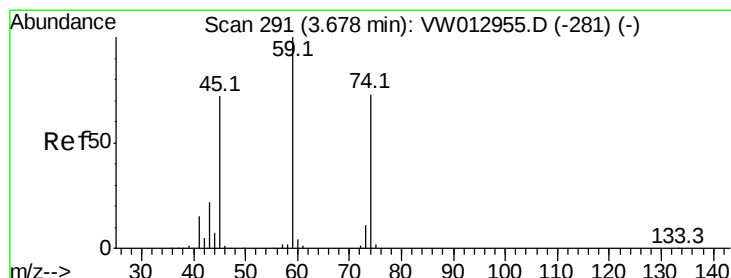
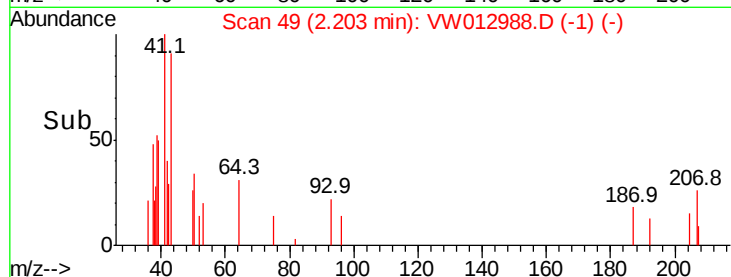
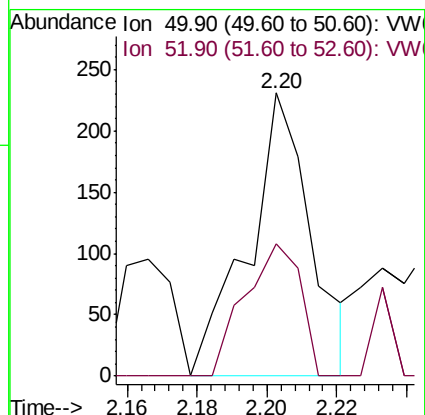
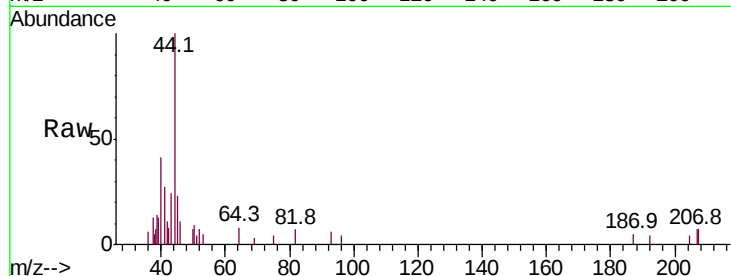
ClientSampled :

Tot Ion: 50 Resp: 285

Ion Ratio Lower Upper

50 100

52 46.8 26.6 39.8#



#8

Diethyl Ether

Concen: 1.234 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW012988.D

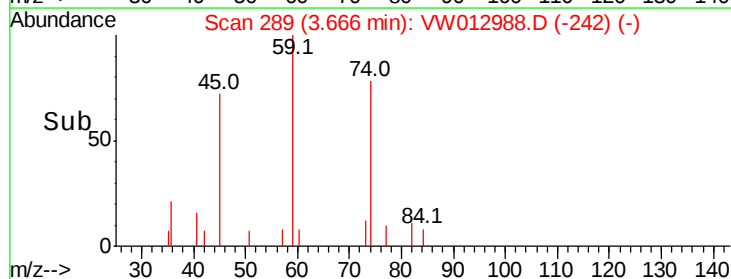
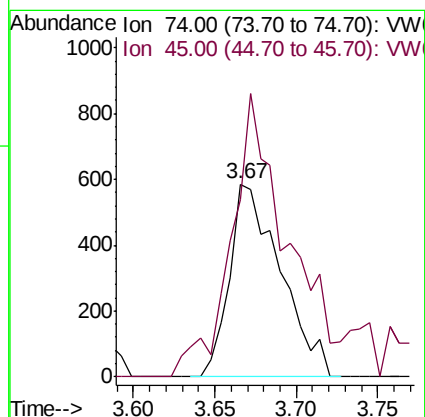
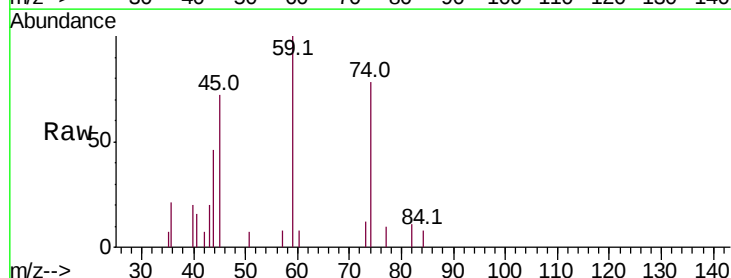
Acq: 14 Sep 2019 12:55

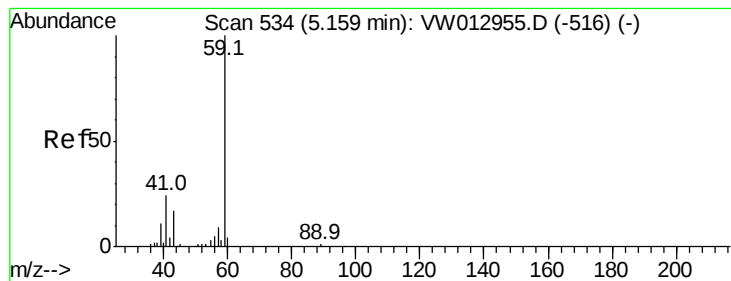
Tgt Ion: 74 Resp: 1276

Ion Ratio Lower Upper

74 100

45 161.8 53.8 161.4#



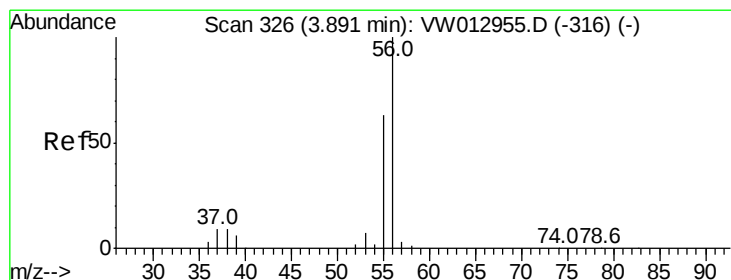
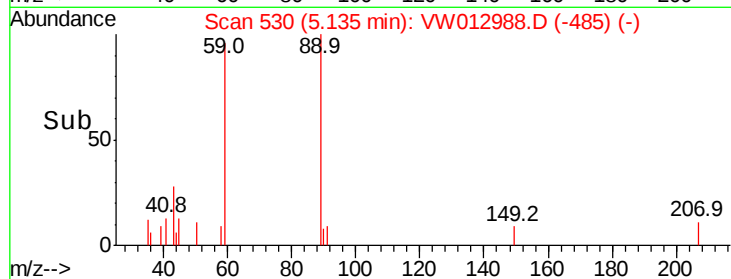
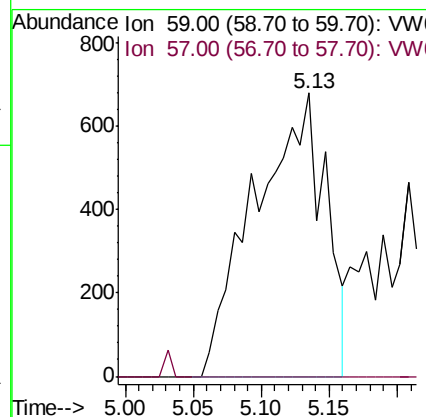
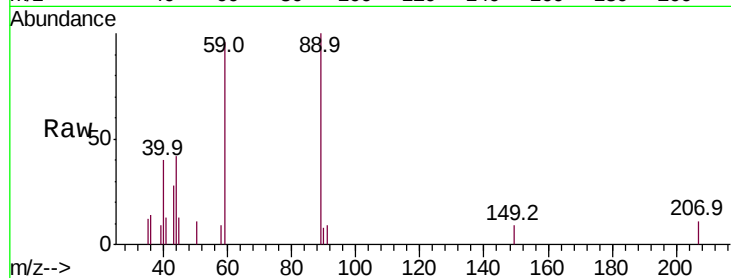


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.13 min Scan# 530
Delta R.T. -0.02 min
Lab File: VW012988.D
Acq: 14 Sep 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :

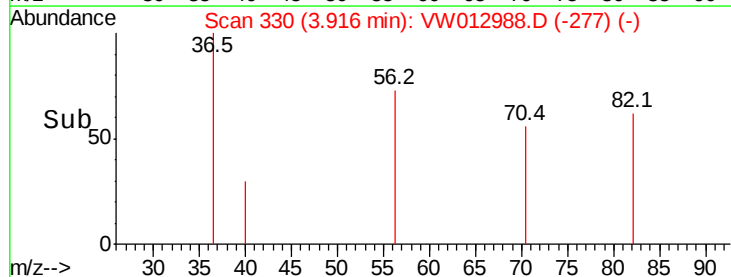
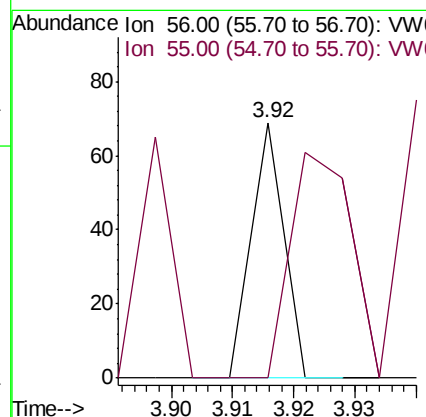
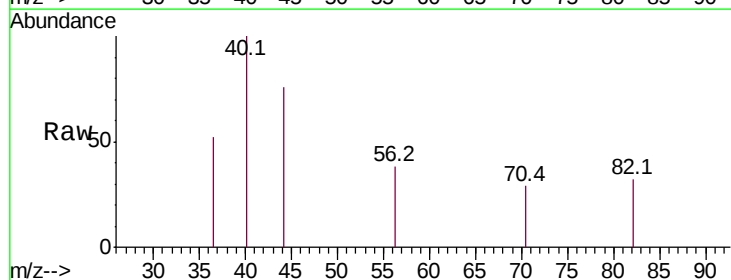
Tot Ion: 59 Resp: 2447
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

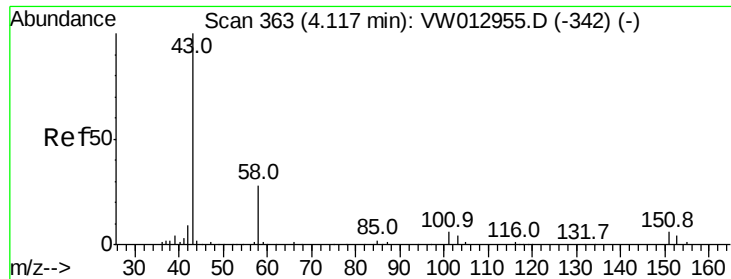


#13

Acrolein
Concen: Below Cal
RT: 3.92 min Scan# 330
Delta R.T. 0.02 min
Lab File: VW012988.D
Acq: 14 Sep 2019 12:55

Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 168.0 55.8 83.8#





#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012988.D

Acq: 14 Sep 2019 12:55

Instrument :

MSVOA_W

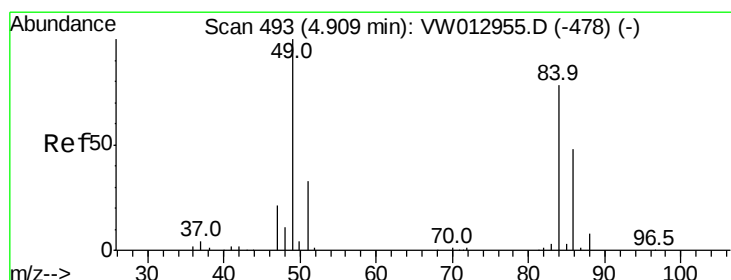
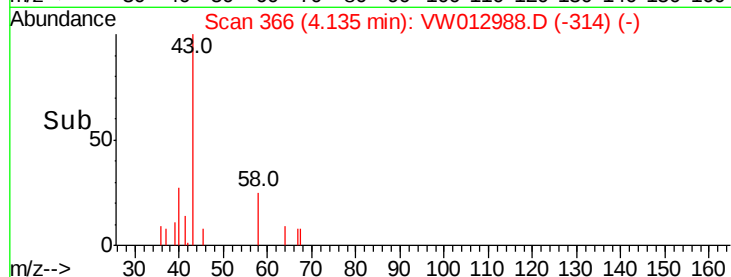
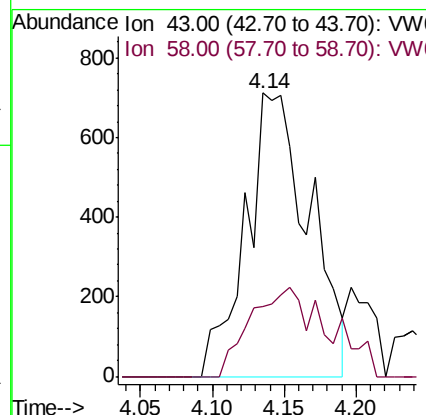
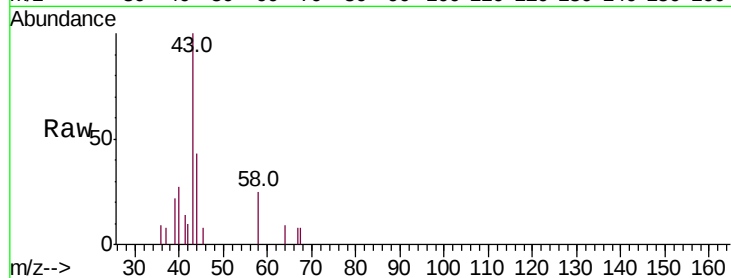
ClientSampleId :

Tot Ion: 43 Resp: 2170

Ion Ratio Lower Upper

43 100

58 24.7 22.3 33.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW012988.D

Acq: 14 Sep 2019 12:55

Tgt Ion: 84 Resp: 6901

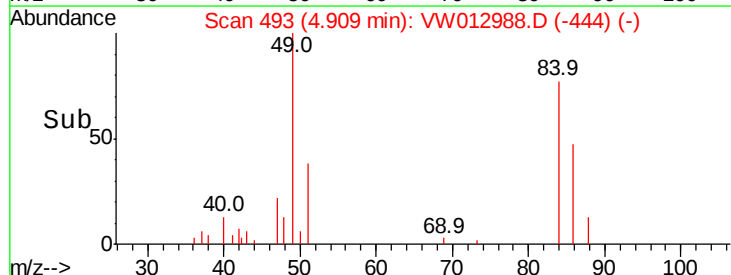
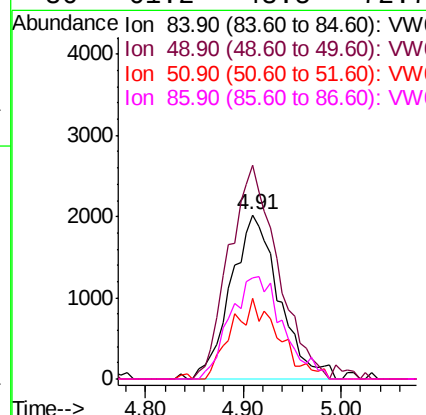
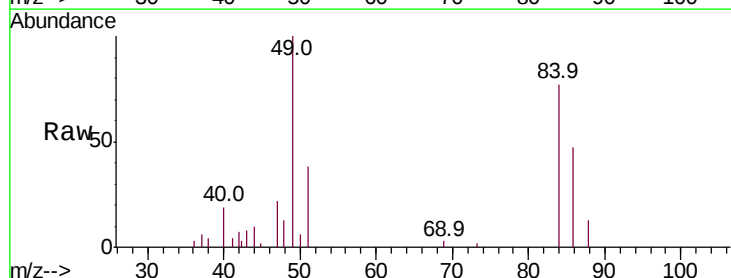
Ion Ratio Lower Upper

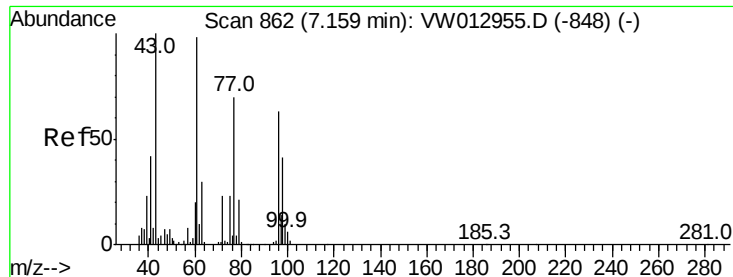
84 100

49 130.1 102.0 153.0

51 48.9 34.0 51.0

86 61.2 48.5 72.7





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012988.D

Acq: 14 Sep 2019 12:55

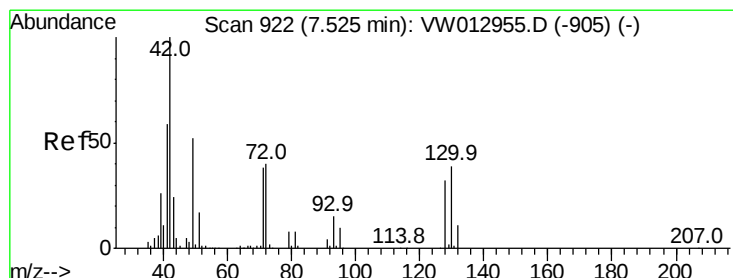
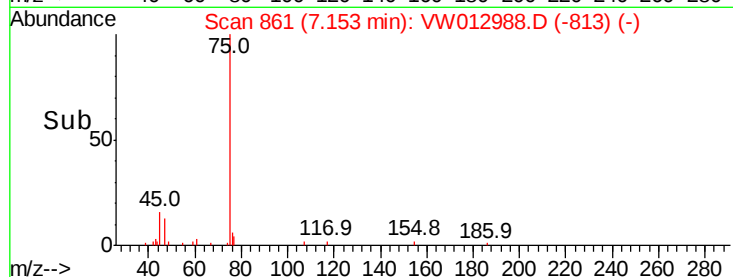
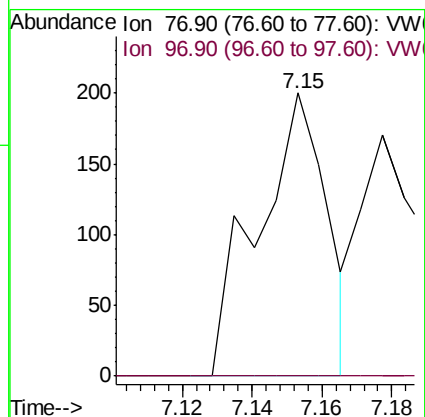
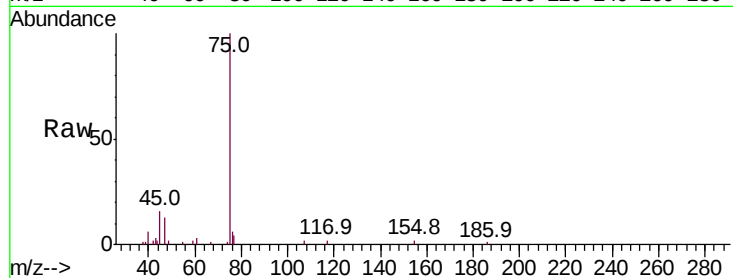
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 77 Resp: 275

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



#29

Tetrahydrofuran

Concen: 7.994 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012988.D

Acq: 14 Sep 2019 12:55

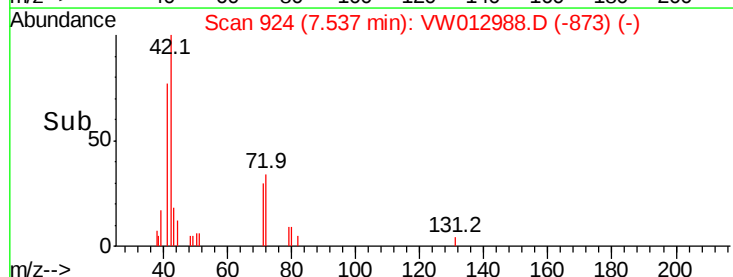
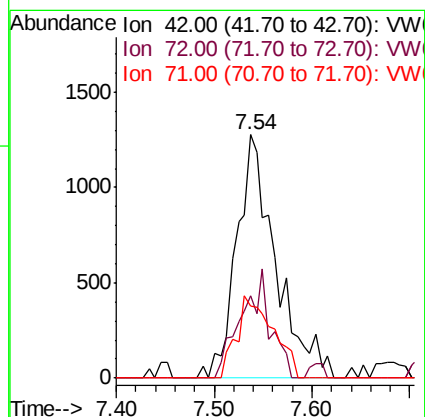
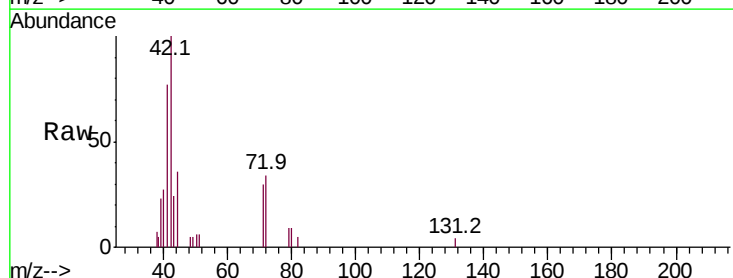
Tgt Ion: 42 Resp: 3539

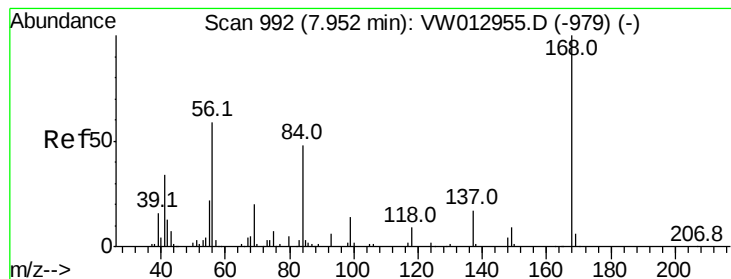
Ion Ratio Lower Upper

42 100

72 33.7 31.4 47.0

71 31.8 29.8 44.8





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012988.D

Acq: 14 Sep 2019 12:55

Instrument :
MSVOA_W
ClientSampled :

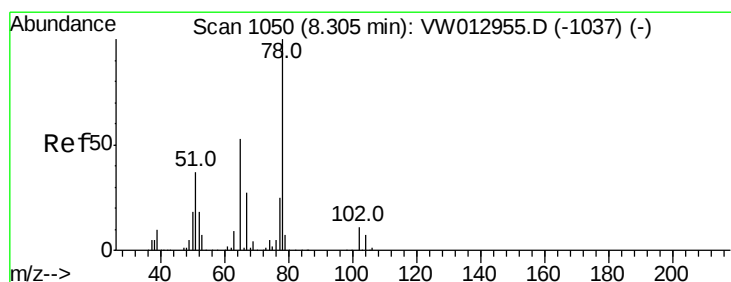
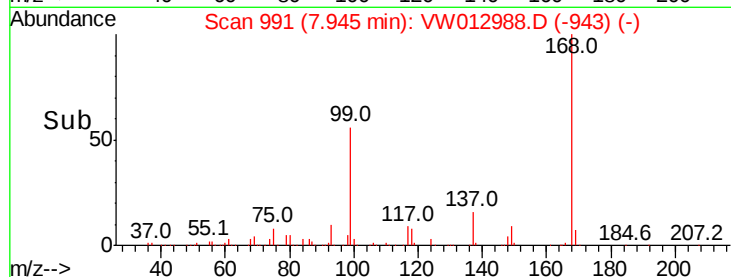
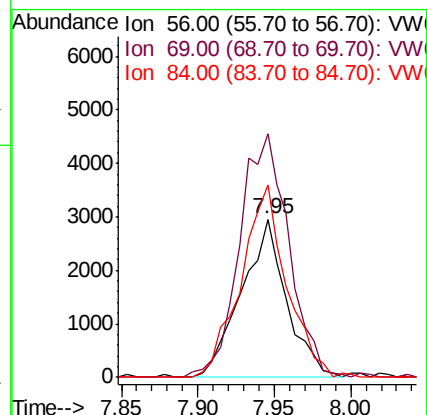
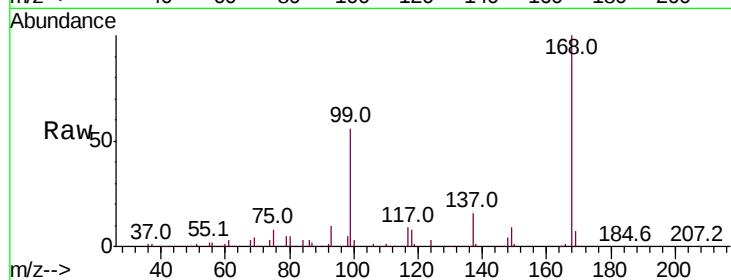
Tot Ion: 56 Resp: 6045

Ion Ratio Lower Upper

56 100

69 151.9 27.0 40.6#

84 121.2 66.2 99.2#



#33

1,2-Dichloroethane-d4

Concen: 61.748 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012988.D

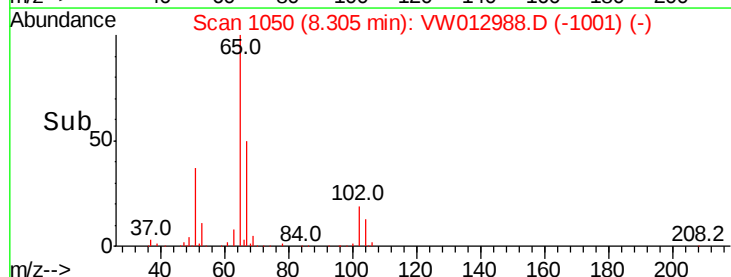
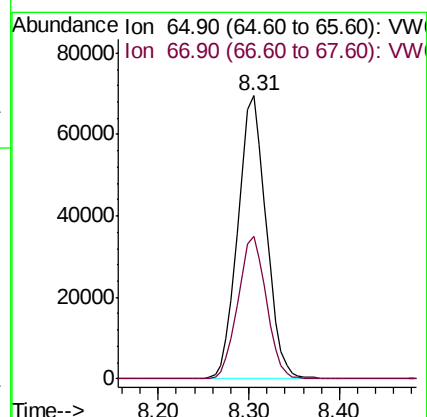
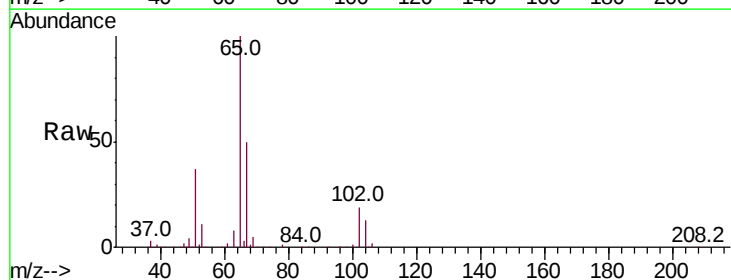
Acq: 14 Sep 2019 12:55

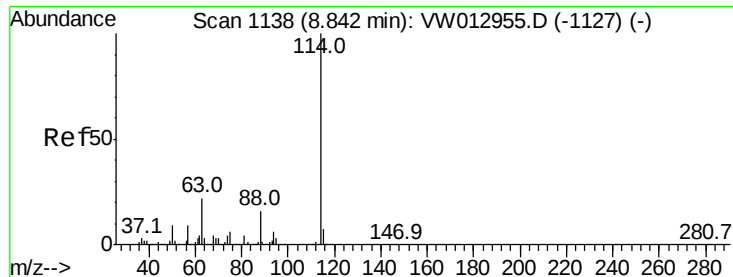
Tgt Ion: 65 Resp: 150879

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012988.D

Acq: 14 Sep 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

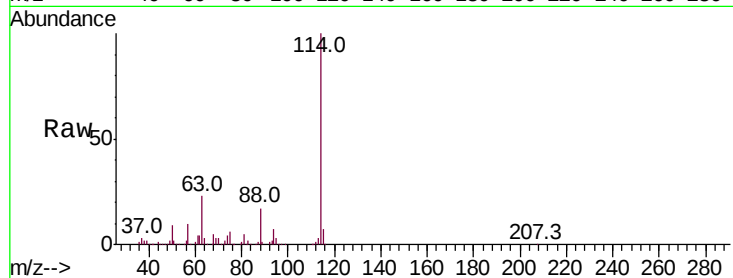
Tot Ion:114 Resp: 400719

Ion Ratio Lower Upper

114 100

63 23.3 0.0 43.4

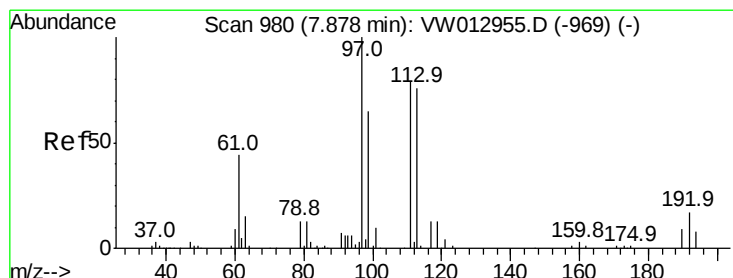
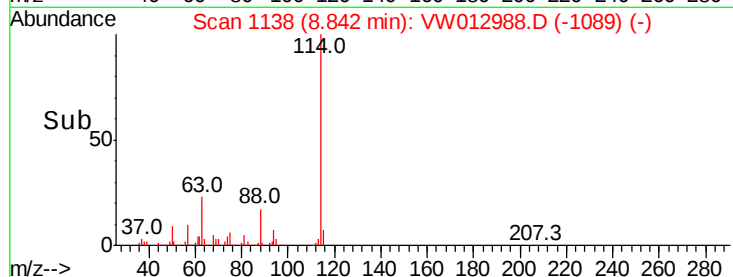
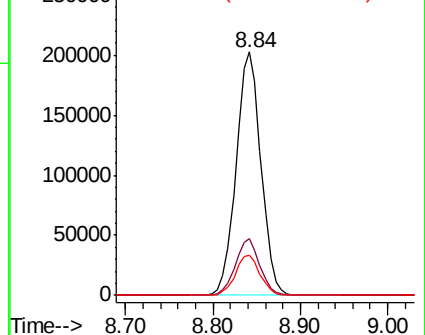
88 16.7 0.0 31.6



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: 54.620 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW012988.D

Acq: 14 Sep 2019 12:55

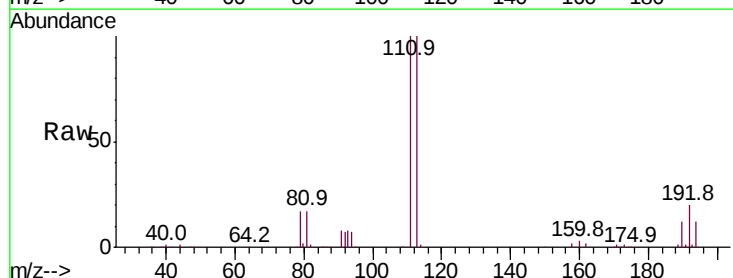
Tgt Ion:113 Resp: 118762

Ion Ratio Lower Upper

113 100

111 103.4 82.8 124.2

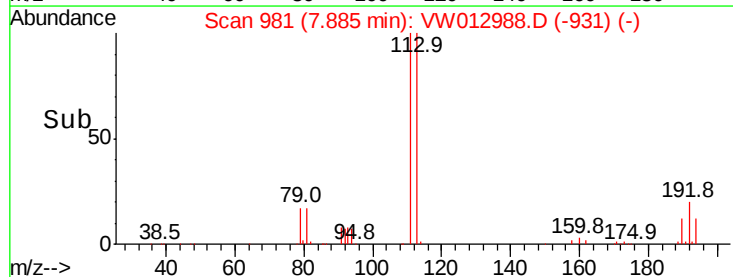
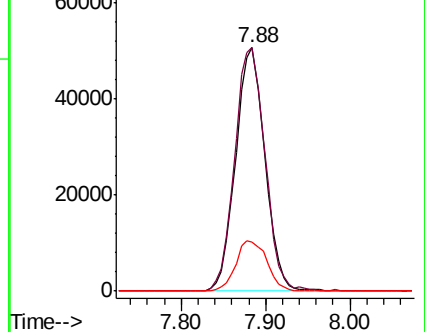
192 22.1 17.8 26.8

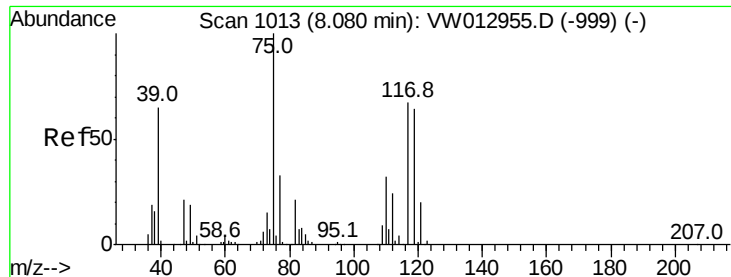


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

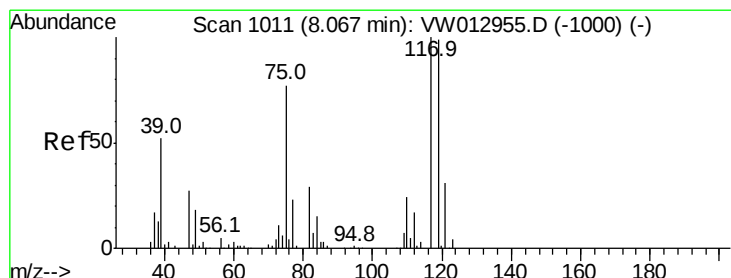
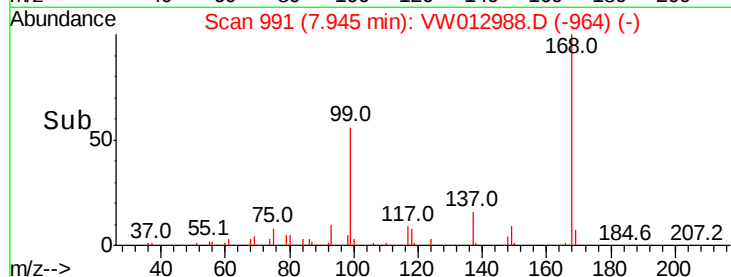
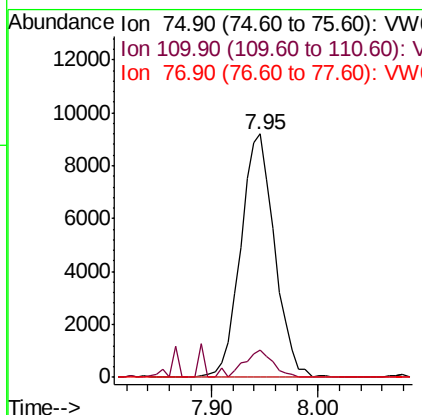
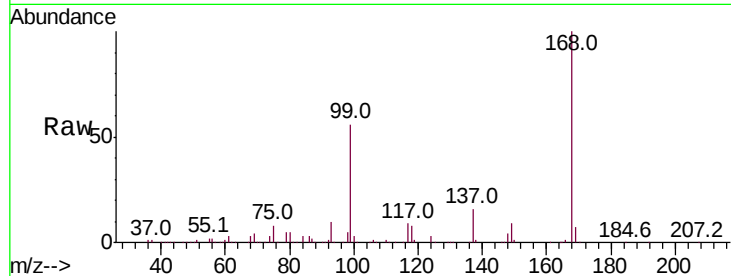




#36
 1,1-Dichloropropene
 Concen: 6.409 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012988.D
 Acq: 14 Sep 2019 12:55

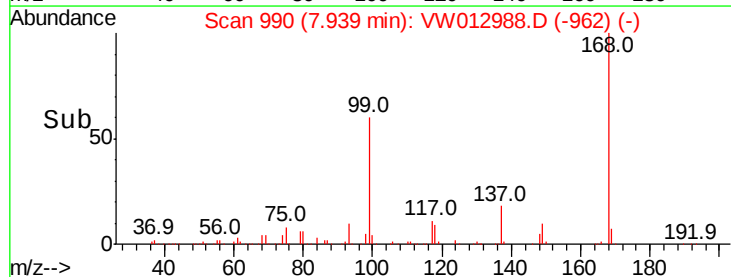
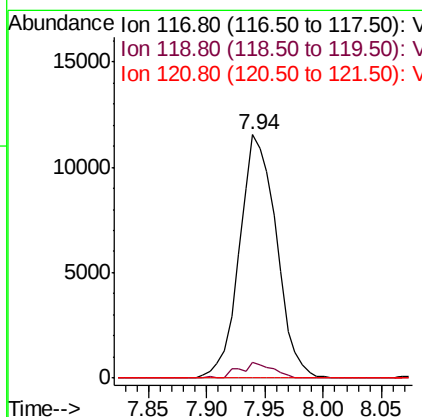
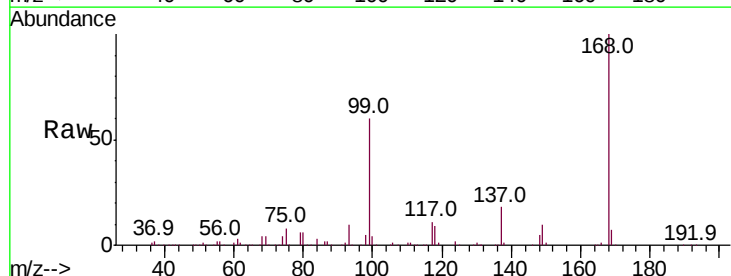
Instrument :
 MSVOA_W
 ClientSampleId :

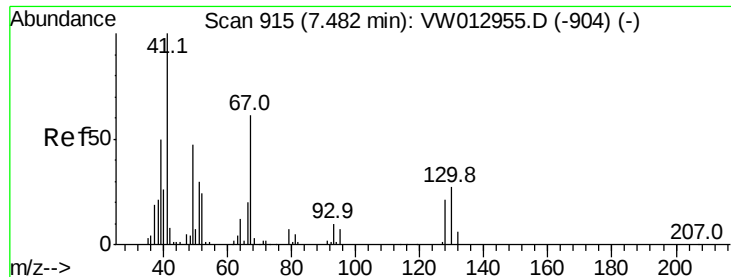
Tot Ion: 75 Resp: 20522
 Ion Ratio Lower Upper
 75 100
 110 10.1 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.769 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012988.D
 Acq: 14 Sep 2019 12:55

Tgt Ion: 117 Resp: 25493
 Ion Ratio Lower Upper
 117 100
 119 6.2 79.4 119.0#
 121 0.0 24.6 36.8#

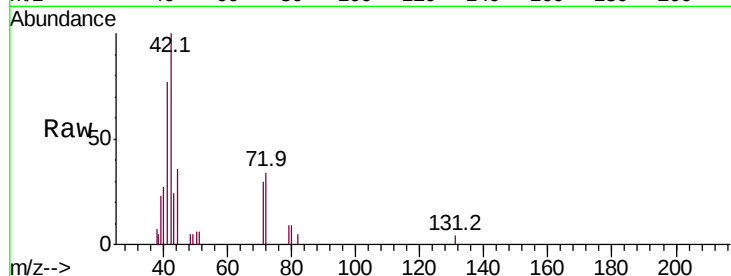




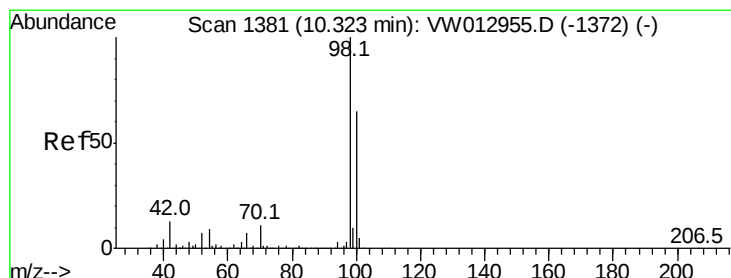
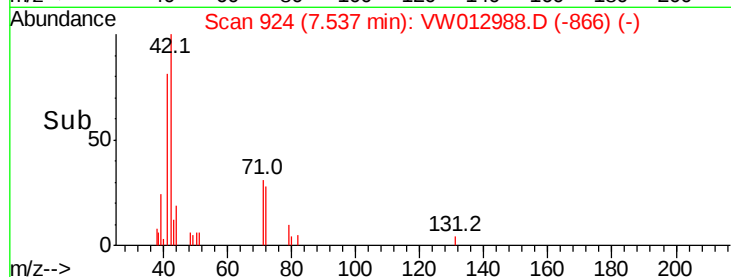
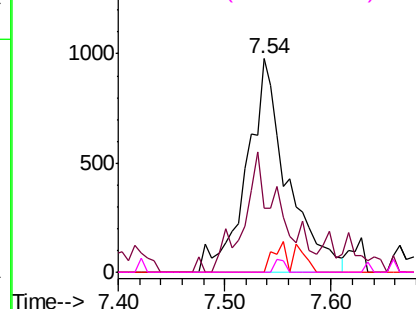
#41
Methacrylonitrile
Concen: 2.327 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012988.D
Acq: 14 Sep 2019 12:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.5	48.2	72.4#
67	0.0	47.5	71.3#
52	0.0	21.0	31.4#

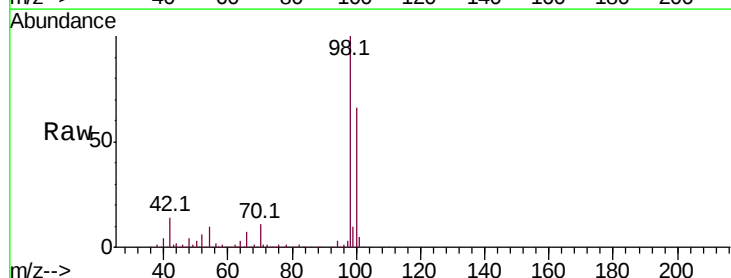


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

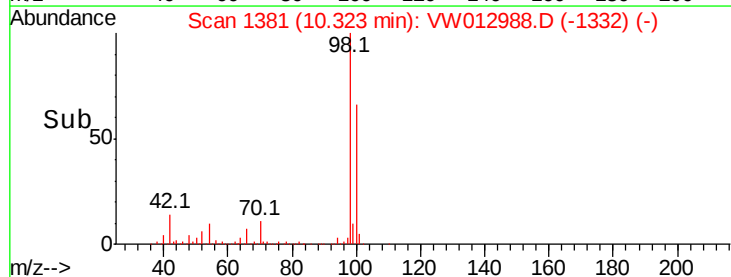
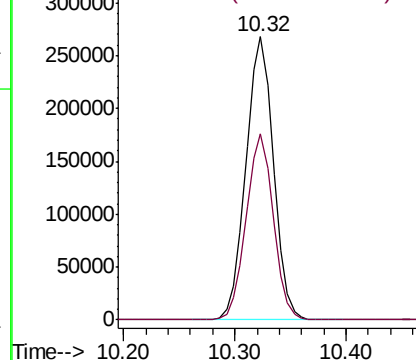


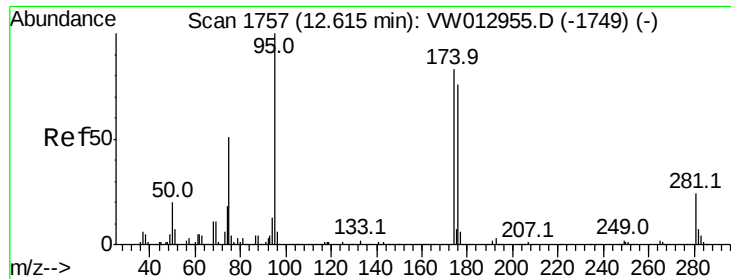
#50
Toluene-d8
Concen: 54.055 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012988.D
Acq: 14 Sep 2019 12:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1



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

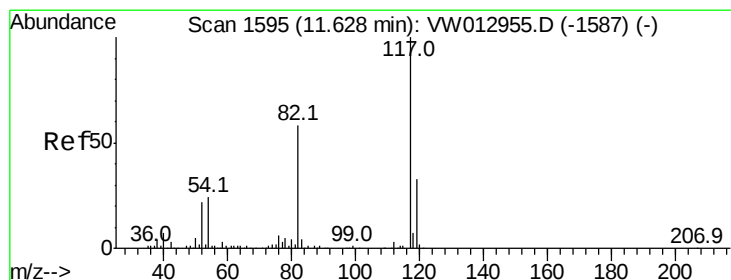
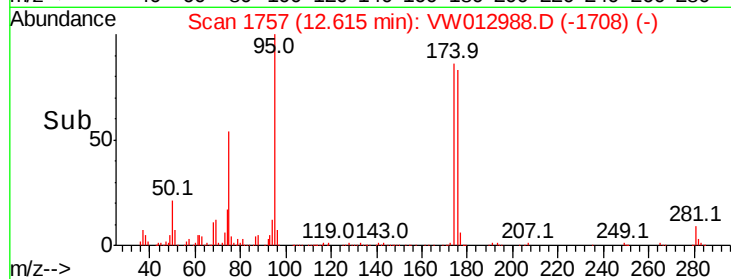
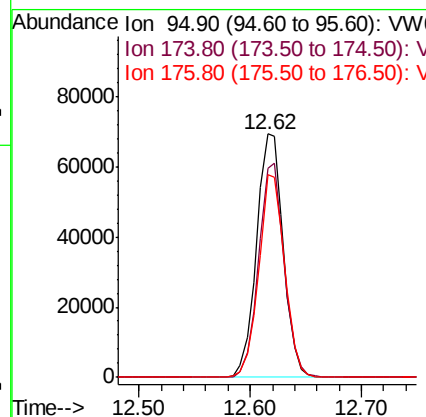
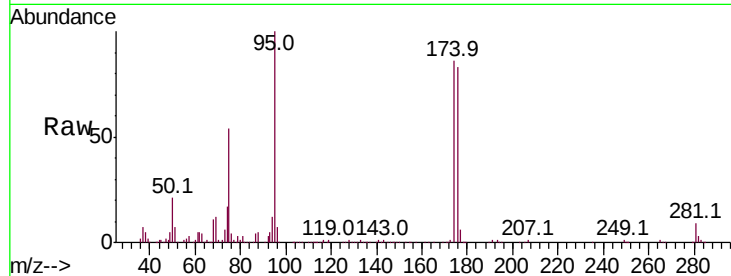




#62
4-Bromofluorobenzene
Concen: 37.834 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012988.D
Acq: 14 Sep 2019 12:55

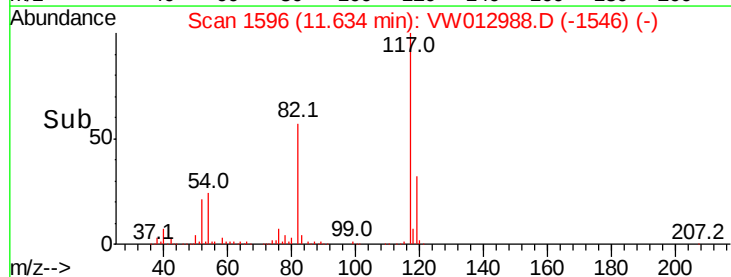
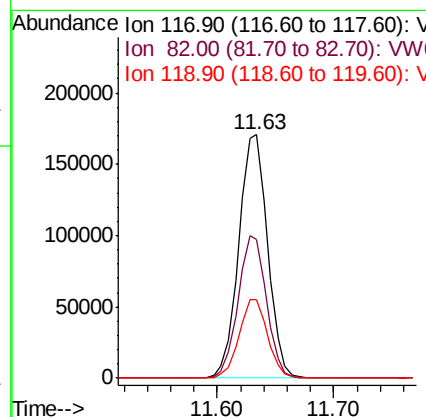
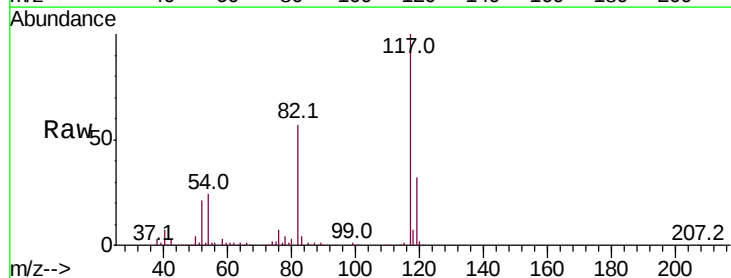
Instrument :
MSVOA_W
ClientSampleId :

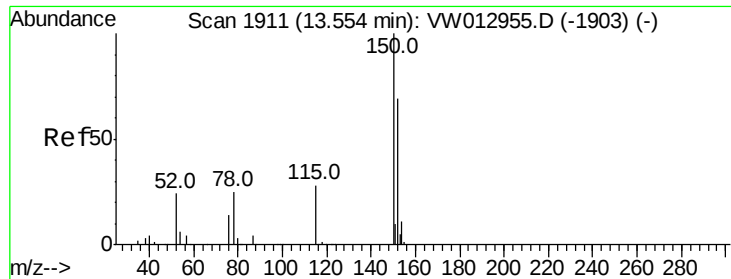
Tot Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	170.4
176	81.1	0.0	164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW012988.D
Acq: 14 Sep 2019 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.3	69.5
119	32.1	26.2	39.4



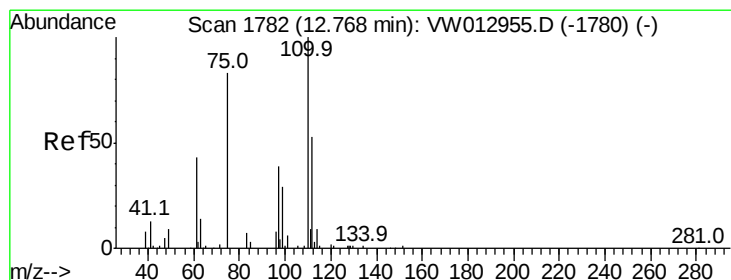
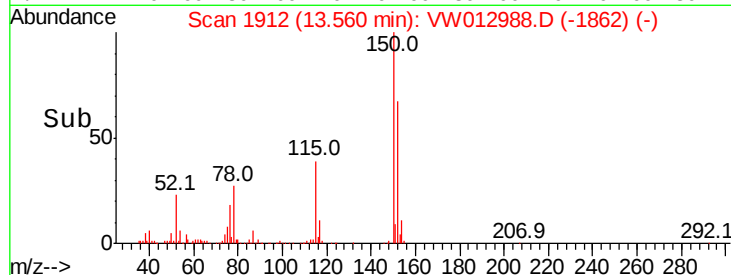
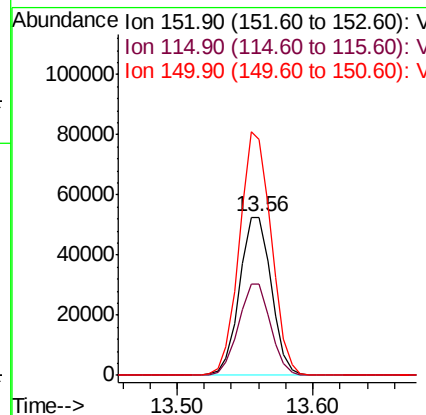
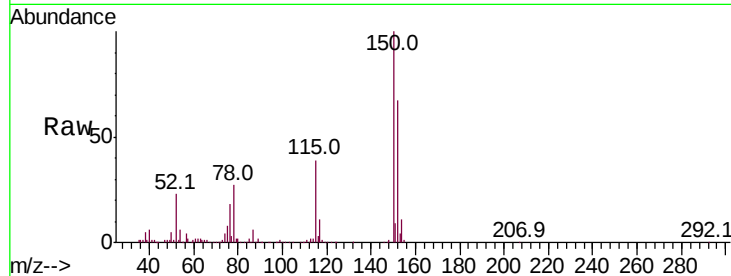


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW012988.D
Acq: 14 Sep 2019 12:55

Instrument :
MSVOA_W
ClientSampleId :

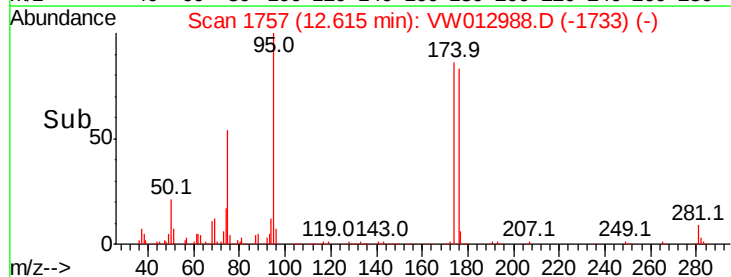
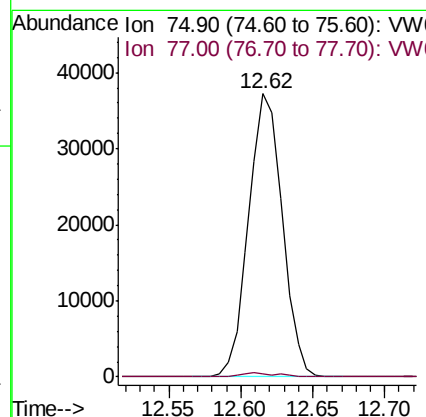
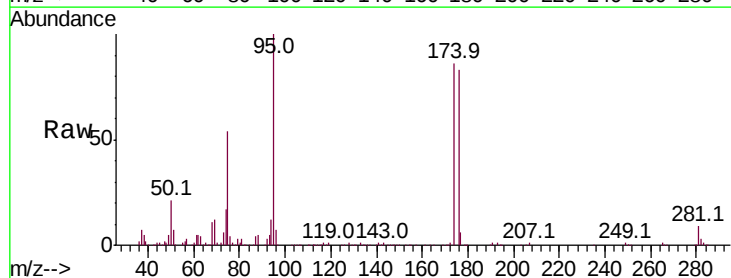
Tot Ion:152 Resp: 85998
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.4
150 153.9 0.0 340.2

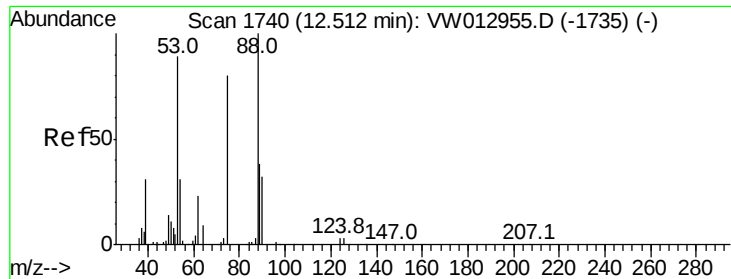


#76

1,2,3-Trichloropropane
Concen: 80.190 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012988.D
Acq: 14 Sep 2019 12:55

Tgt Ion: 75 Resp: 60405
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 181.909 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012988.D

Acq: 14 Sep 2019 12:55

Instrument :

MSVOA_W

ClientSampleId :

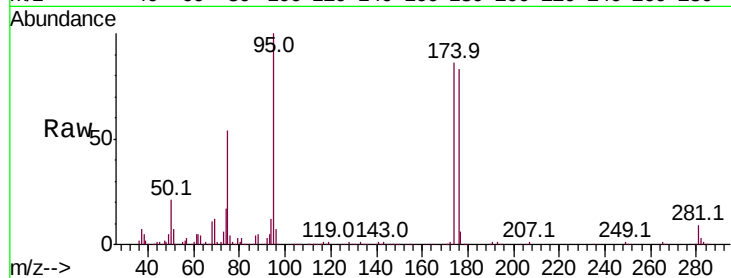
Tot Ion: 75 Resp: 60405

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#



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

