

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW012990.D
 Acq On : 14 Sep 2019 13:46
 Operator : SY/VA
 Sample : K4719-09RE
 Misc : 4.22G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:52:24 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	275593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	423191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	88371	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	157443	61.86	ug/l	0.00
Spiked Amount			Recovery	=	123.72%	
35) Dibromofluoromethane	7.88	113	126843	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
50) Toluene-d8	10.32	98	477661	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.62	95	120191	37.20	ug/l	0.00
Spiked Amount			Recovery	=	74.40%	

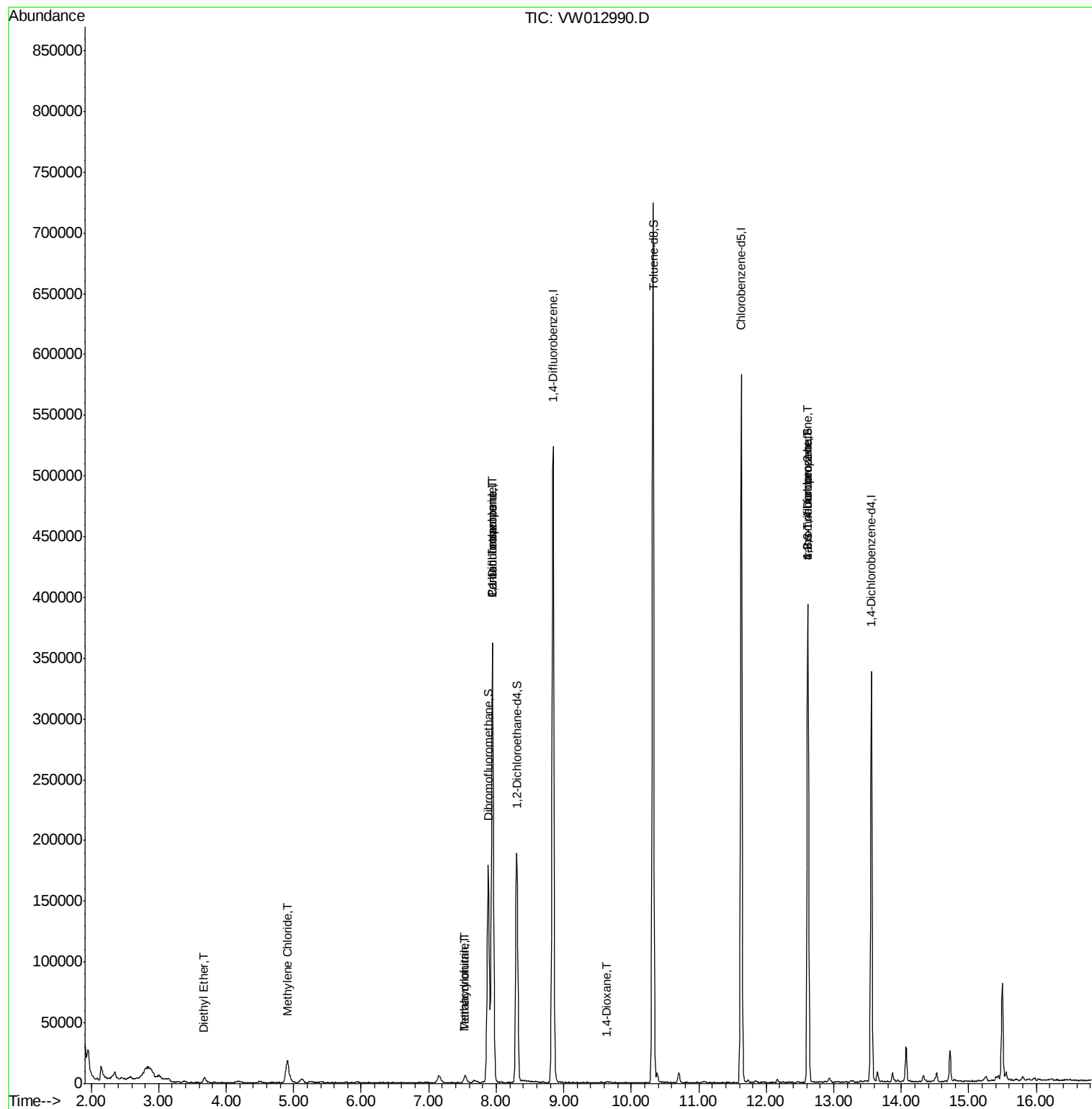
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	429	Below Cal	#	41
8) Diethyl Ether	3.67	74	1970	1.829	ug/l	76
11) Tert butyl alcohol	5.19	59	99	Below Cal	#	72
13) Acrolein	3.82	56	20	Below Cal	#	1
16) Acetone	4.13	43	553	Below Cal	#	88
20) Methylene Chloride	4.91	84	13628	1.608	ug/l #	89
26) 2,2-Dichloropropane	7.11	77	133	Below Cal		99
29) Tetrahydrofuran	7.54	42	4863	10.545	ug/l	97
31) Cyclohexane	7.95	56	6079	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	21140	6.251	ug/l #	51
38) Carbon Tetrachloride	7.95	117	27231	7.858	ug/l #	16
41) Methacrylonitrile	7.54	41	2902	2.455	ug/l #	56
49) 1,4-Dioxane	9.63	88	55	2.731	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	64327	83.103	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64327	188.518	ug/l #	7

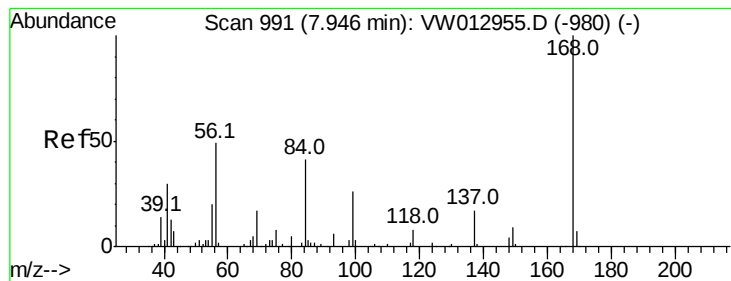
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091519\
Data File : VW012990.D
Acq On : 14 Sep 2019 13:46
Operator : SY/VA
Sample : K4719-09RE
Misc : 4.22G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 16 06:52:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
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: VW012990.D

Acq: 14 Sep 2019 13:46

Instrument :

MSVOA_W

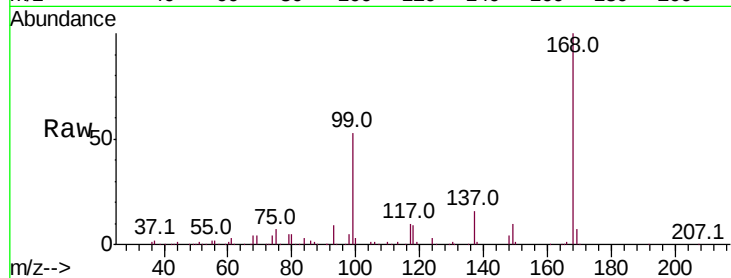
ClientSampleId :

Tot Ion:168 Resp: 275593

Ion Ratio Lower Upper

168 100

99 53.1 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

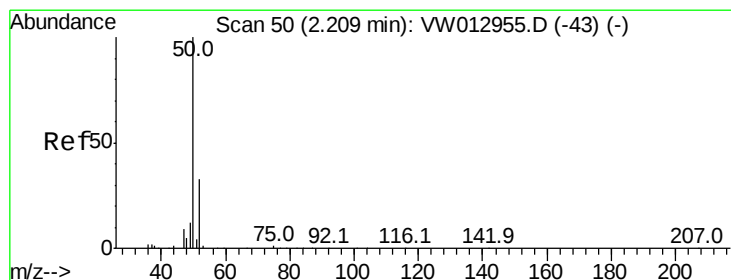
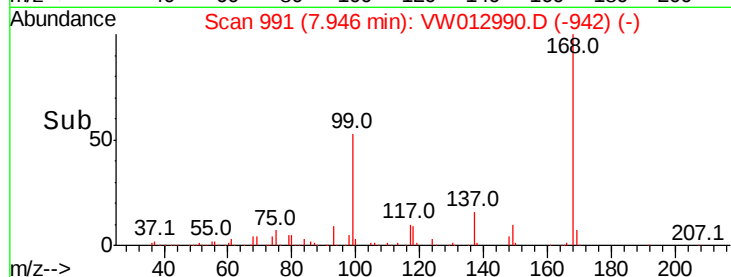
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VW012990.D

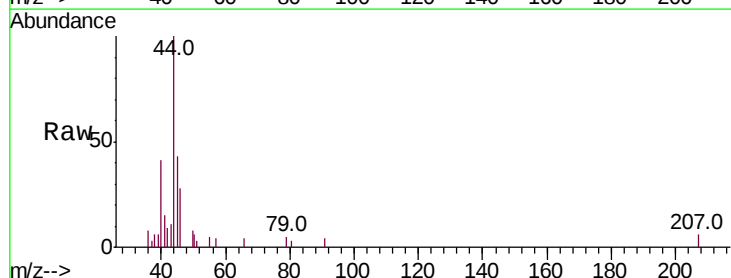
Acq: 14 Sep 2019 13:46

Tgt Ion: 50 Resp: 429

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.20

250

200

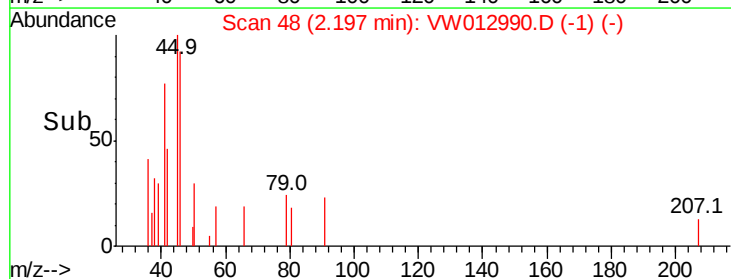
150

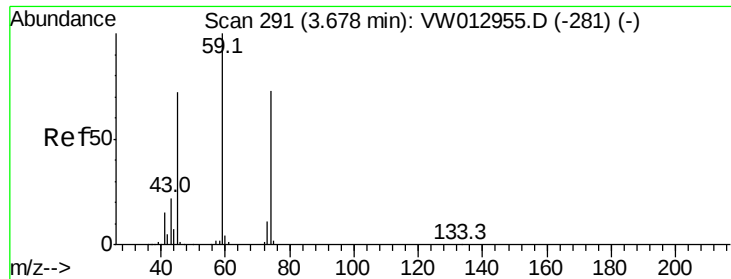
100

50

0

Time-->





#8

Diethyl Ether

Concen: 1.829 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012990.D

Acq: 14 Sep 2019 13:46

Instrument :

MSVOA_W

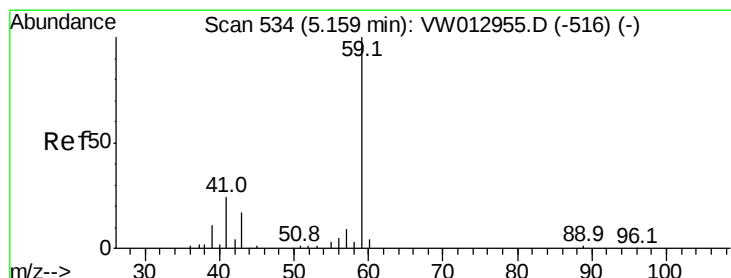
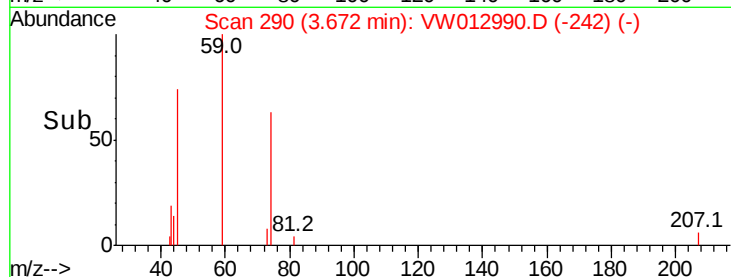
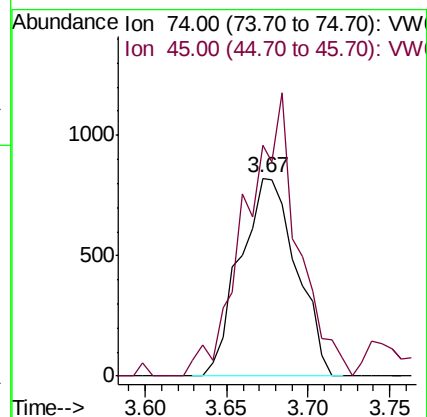
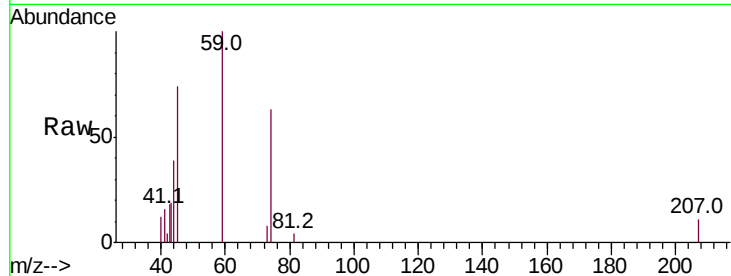
ClientSampled :

Tot Ion: 74 Resp: 1970

Ion Ratio Lower Upper

74 100

45 132.5 53.8 161.4



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.03 min

Lab File: VW012990.D

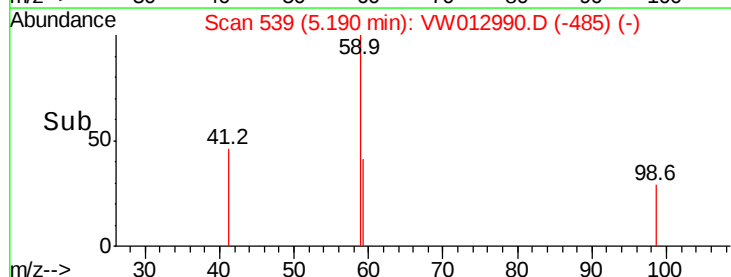
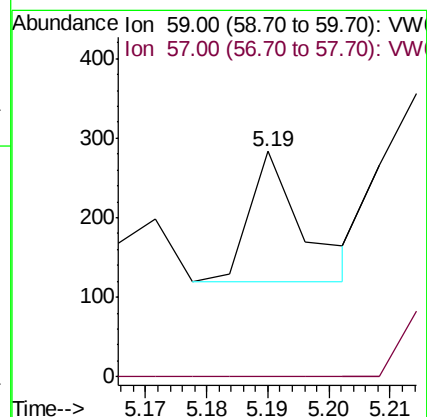
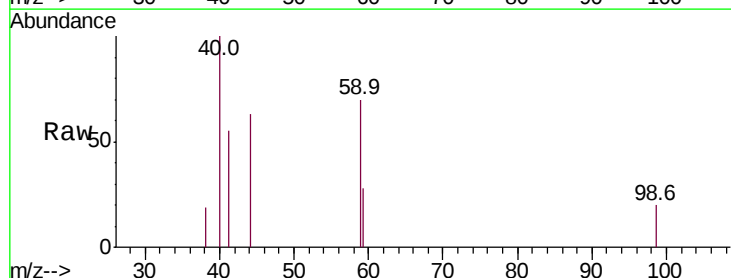
Acq: 14 Sep 2019 13:46

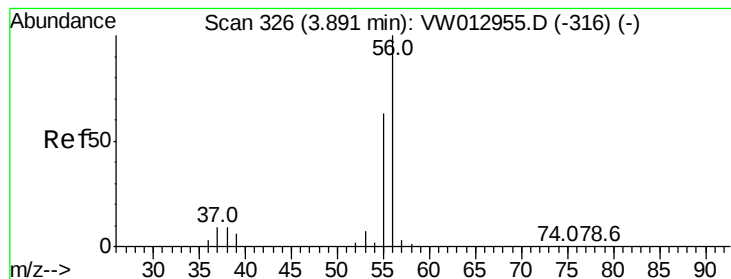
Tgt Ion: 59 Resp: 99

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.82 min Scan# 315

Delta R.T. -0.07 min

Lab File: VW012990.D

Acq: 14 Sep 2019 13:46

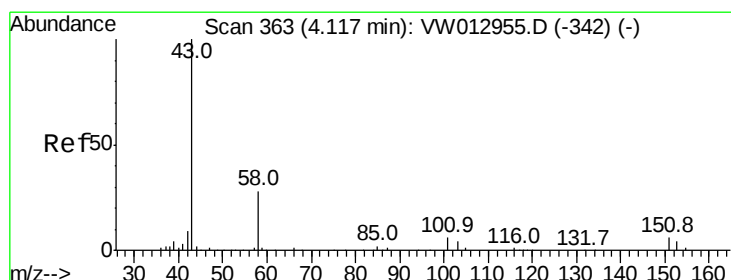
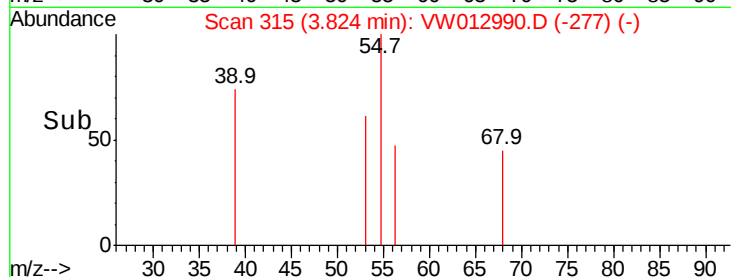
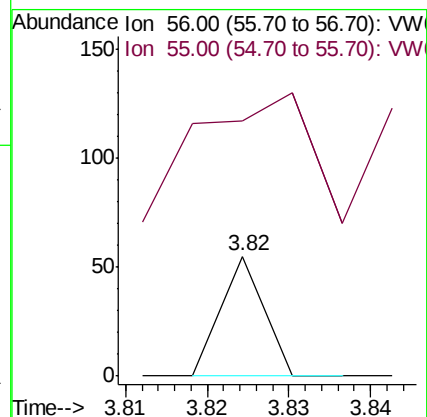
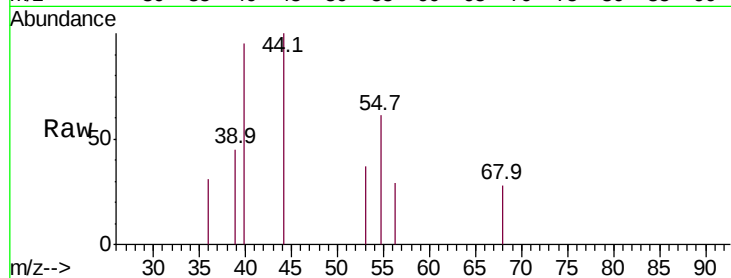
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 920.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012990.D

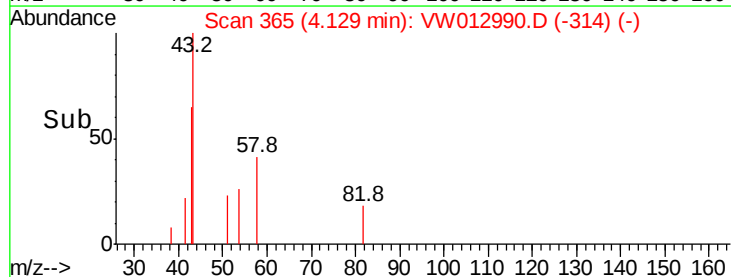
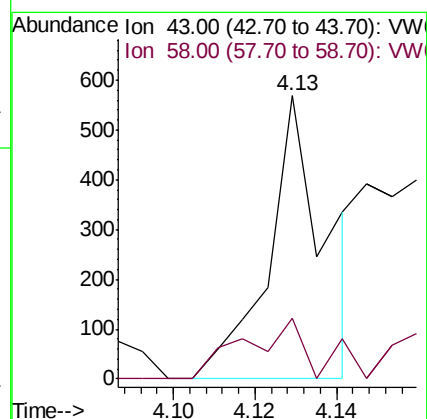
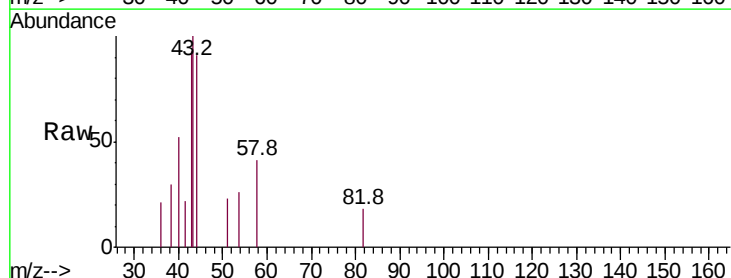
Acq: 14 Sep 2019 13:46

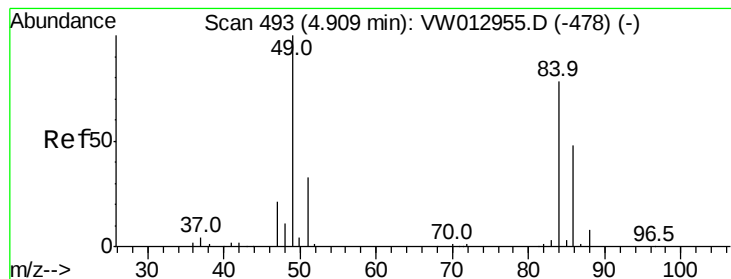
Tgt Ion: 43 Resp: 553

Ion Ratio Lower Upper

43 100

58 21.5 22.3 33.5#





#20

Methylene Chloride

Concen: 1.608 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW012990.D

Acq: 14 Sep 2019 13:46

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 13628

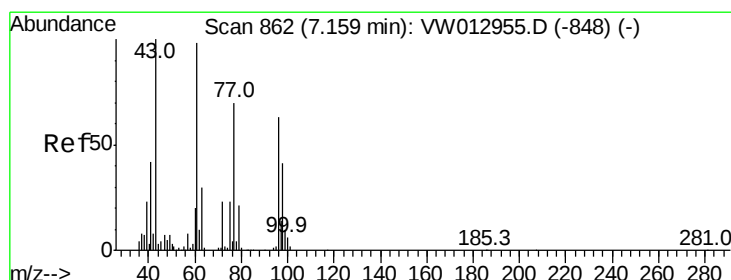
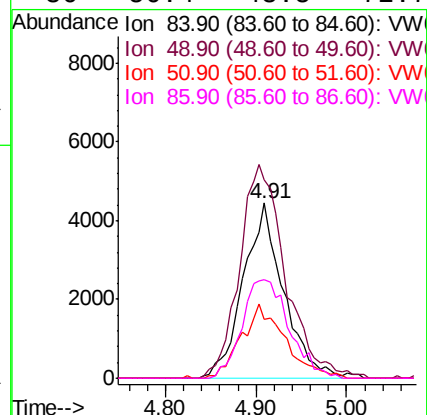
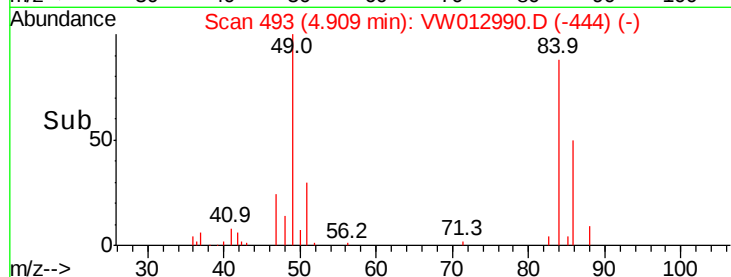
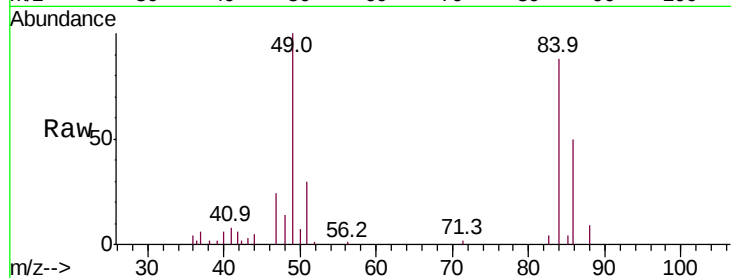
Ion Ratio Lower Upper

84 100

49 113.5 102.0 153.0

51 34.0 34.0 51.0#

86 56.4 48.5 72.7



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.11 min Scan# 854

Delta R.T. -0.05 min

Lab File: VW012990.D

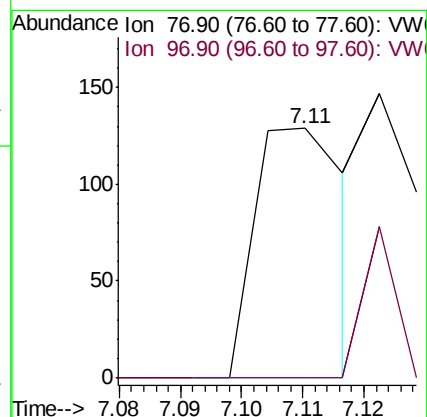
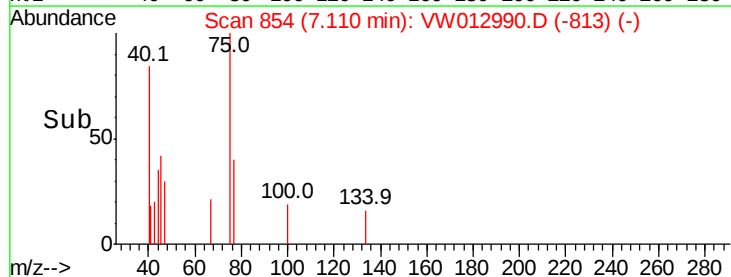
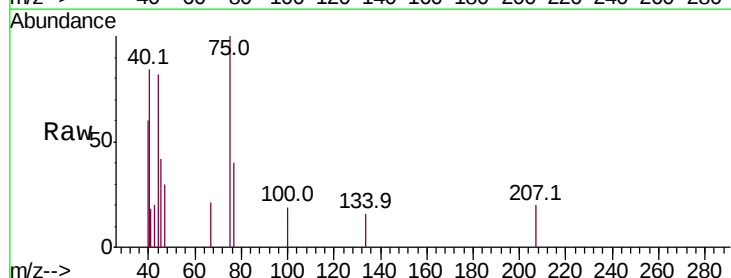
Acq: 14 Sep 2019 13:46

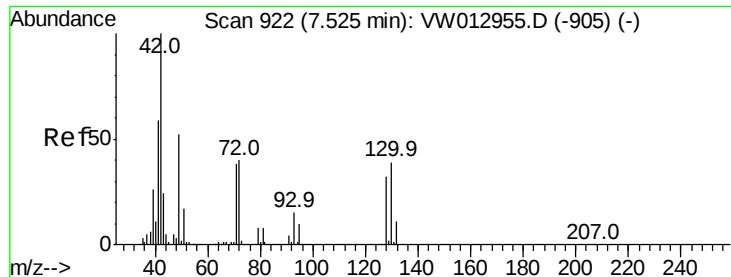
Tgt Ion: 77 Resp: 133

Ion Ratio Lower Upper

77 100

97 21.8 10.7 32.1





#29

Tetrahydrofuran

Concen: 10.545 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012990.D

Acq: 14 Sep 2019 13:46

Instrument :
MSVOA_W
ClientSampled :

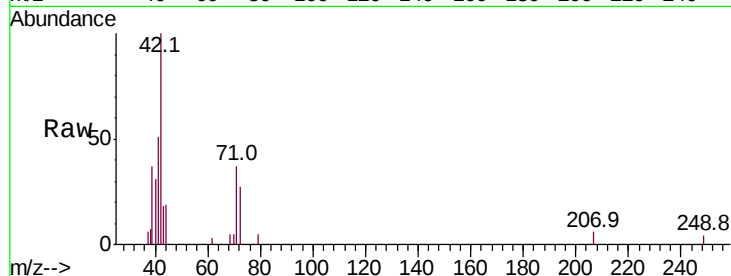
Tot Ion: 42 Resp: 4863

Ion Ratio Lower Upper

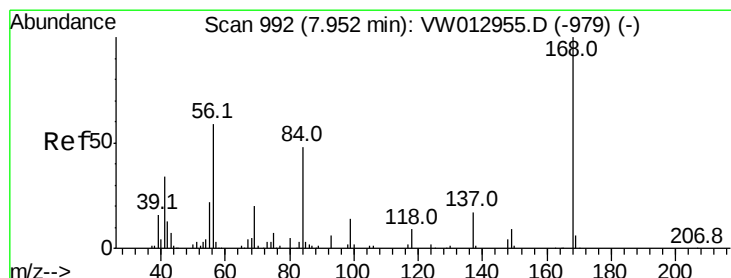
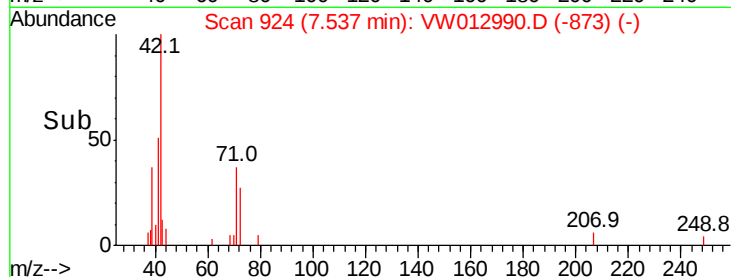
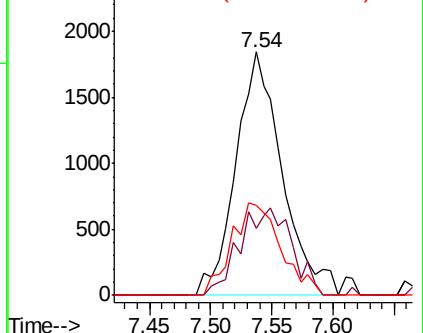
42 100

72 40.1 31.4 47.0

71 40.0 29.8 44.8



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012990.D

Acq: 14 Sep 2019 13:46

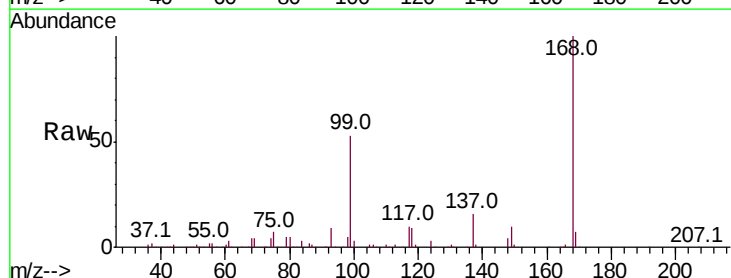
Tgt Ion: 56 Resp: 6079

Ion Ratio Lower Upper

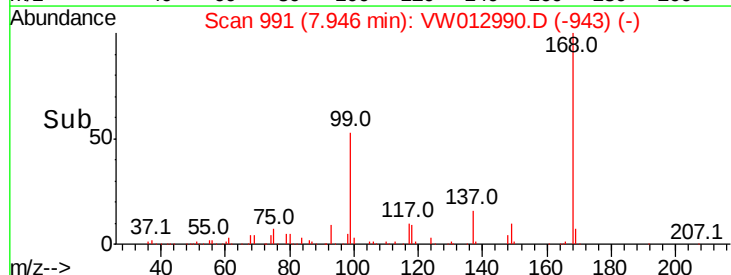
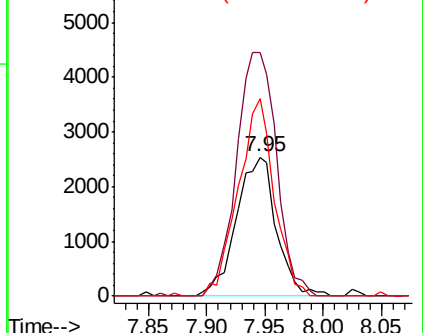
56 100

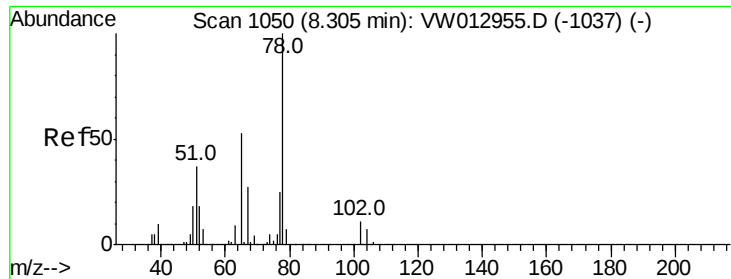
69 175.5 27.0 40.6#

84 142.2 66.2 99.2#



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: 61.856 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012990.D

Acq: 14 Sep 2019 13:46

Instrument :

MSVOA_W

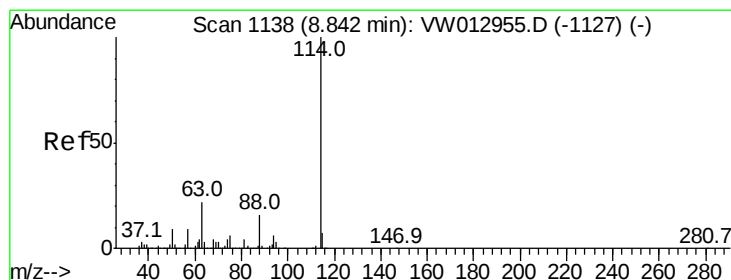
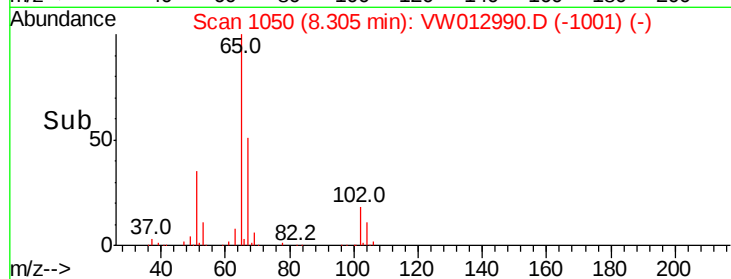
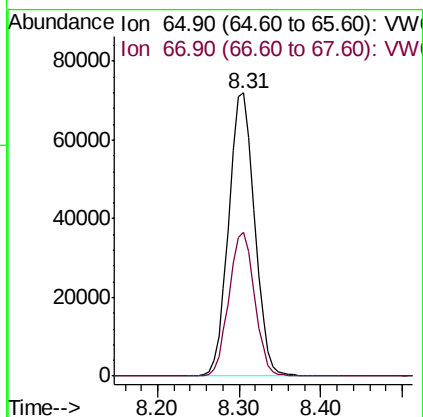
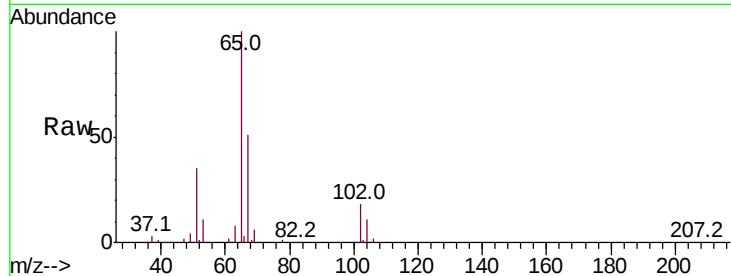
ClientSampleId :

Tot Ion: 65 Resp: 157443

Ion Ratio Lower Upper

65 100

67 50.1 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: VW012990.D

Acq: 14 Sep 2019 13:46

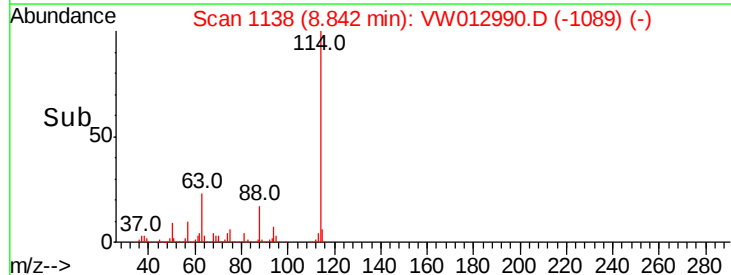
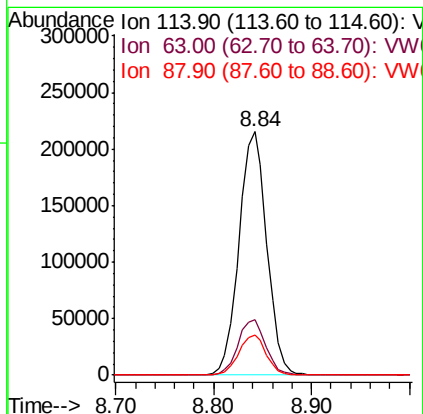
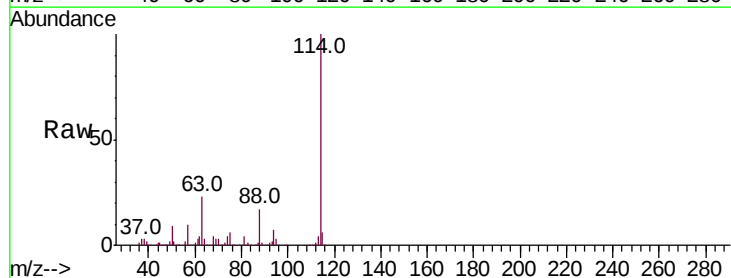
Tgt Ion: 114 Resp: 423191

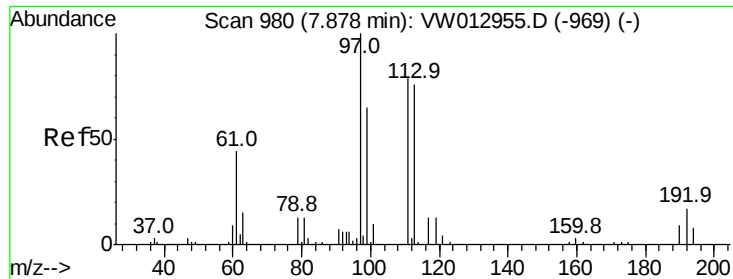
Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.4

88 16.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 55.238 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW012990.D

Acq: 14 Sep 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :

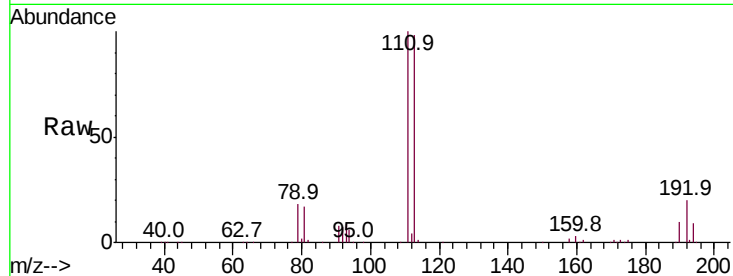
Tot Ion:113 Resp: 126843

Ion Ratio Lower Upper

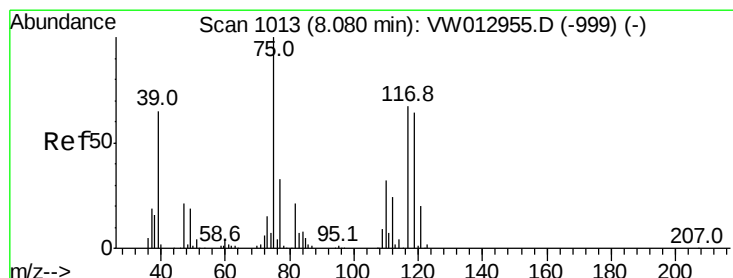
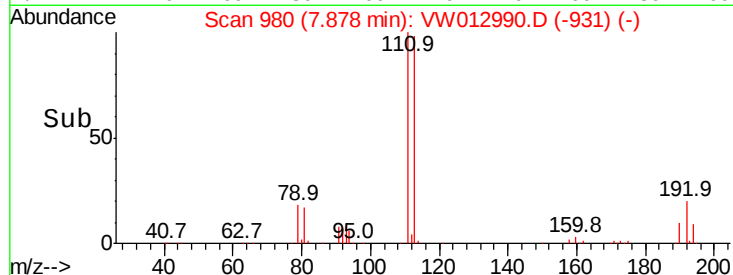
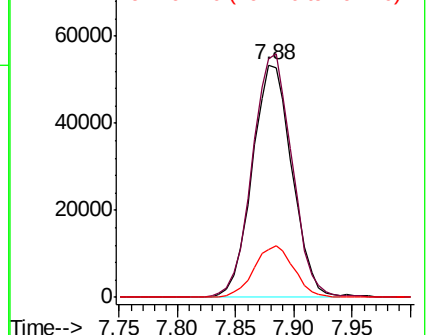
113 100

111 104.9 82.8 124.2

192 22.3 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: 6.251 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012990.D

Acq: 14 Sep 2019 13:46

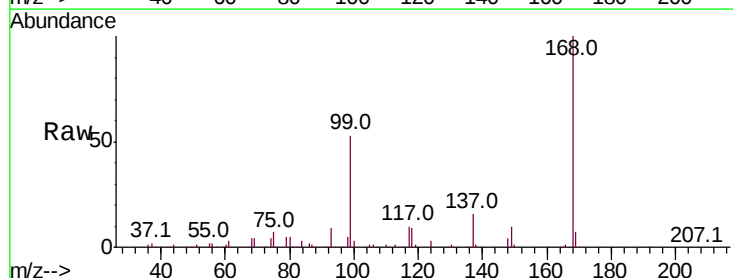
Tgt Ion: 75 Resp: 21140

Ion Ratio Lower Upper

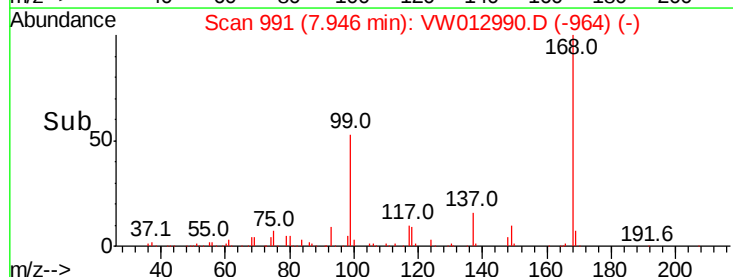
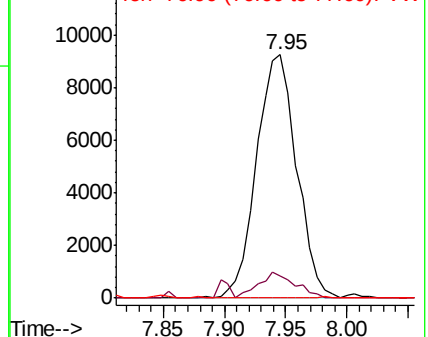
75 100

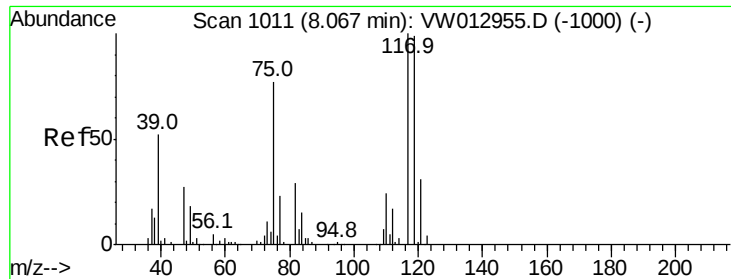
110 9.5 16.4 49.1#

77 0.0 25.1 37.7#



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

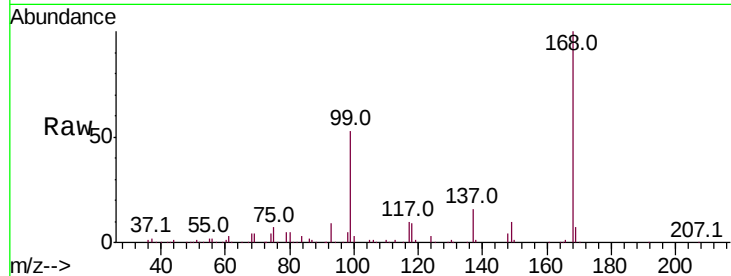




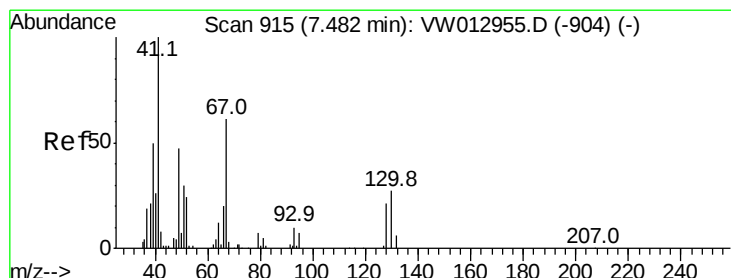
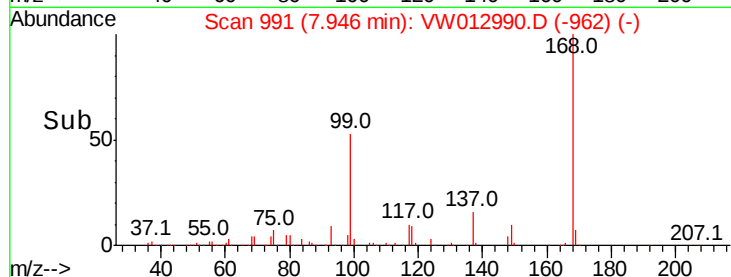
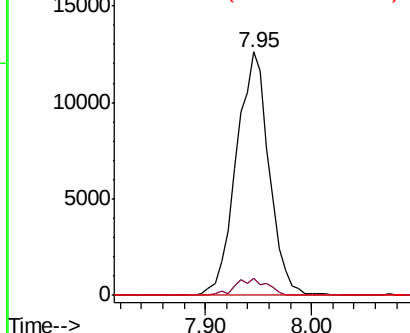
#38
Carbon Tetrachloride
Concen: 7.858 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012990.D
Acq: 14 Sep 2019 13:46

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 27231
Ion Ratio Lower Upper
117 100
119 7.1 79.4 119.0#
121 0.0 24.6 36.8#

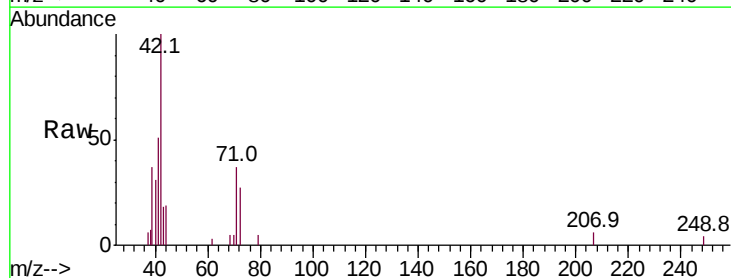


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

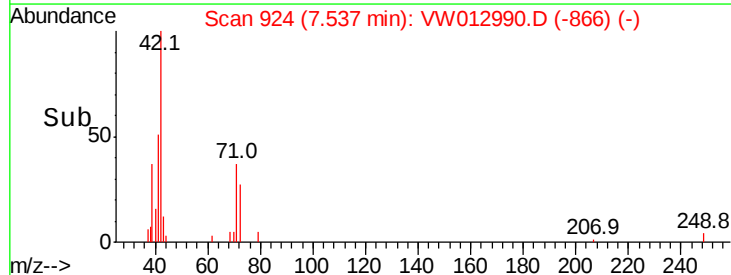
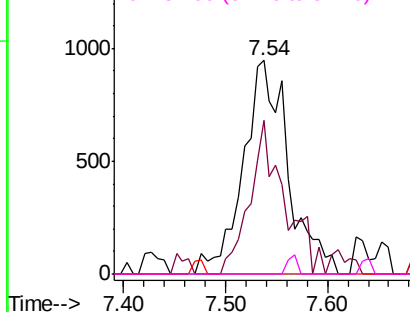


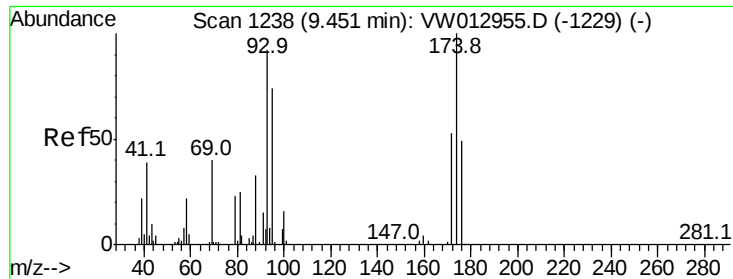
#41
Methacrylonitrile
Concen: 2.455 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012990.D
Acq: 14 Sep 2019 13:46

Tgt Ion: 41 Resp: 2902
Ion Ratio Lower Upper
41 100
39 56.0 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





#49

1,4-Dioxane

Concen: 2.731 ug/l

RT: 9.63 min Scan# 1267

Delta R.T. 0.18 min

Lab File: VW012990.D

Acq: 14 Sep 2019 13:46

Instrument :
MSVOA_W
ClientSampled :

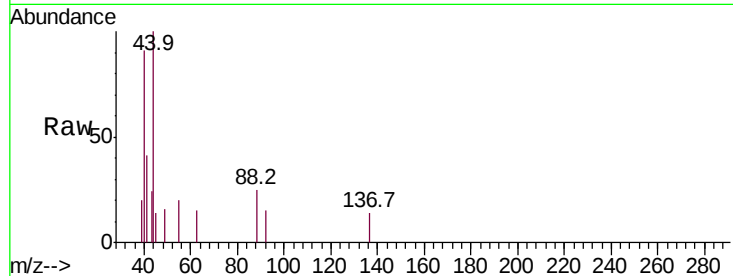
Tot Ion: 88 Resp: 55

Ion Ratio Lower Upper

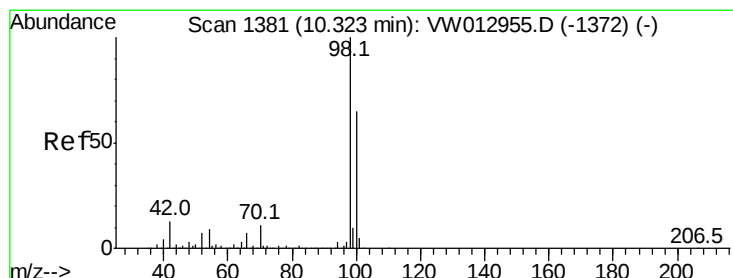
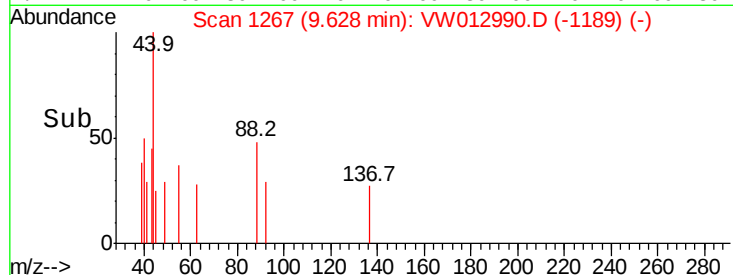
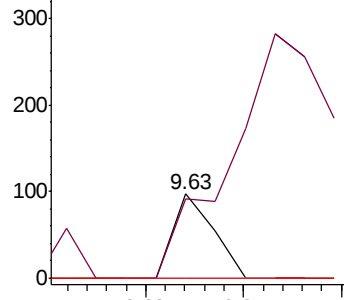
88 100

43 980.0 31.3 46.9#

58 0.0 60.2 90.2#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.158 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012990.D

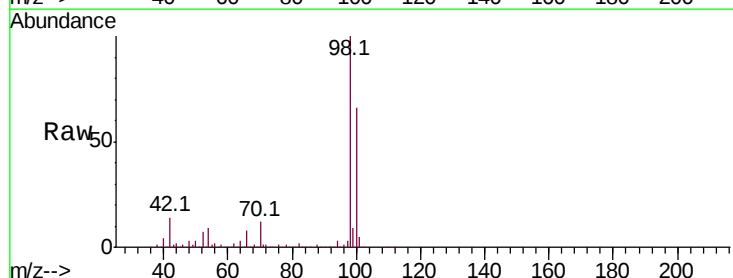
Acq: 14 Sep 2019 13:46

Tgt Ion: 98 Resp: 477661

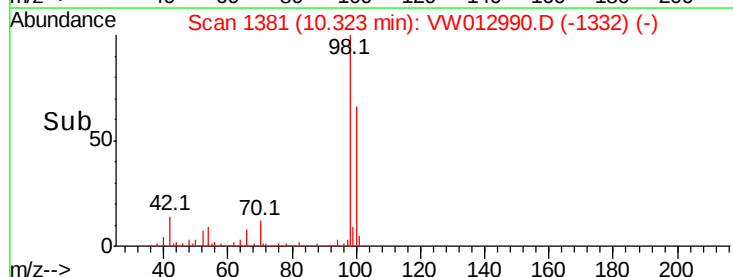
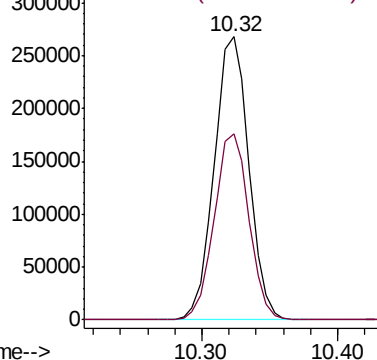
Ion Ratio Lower Upper

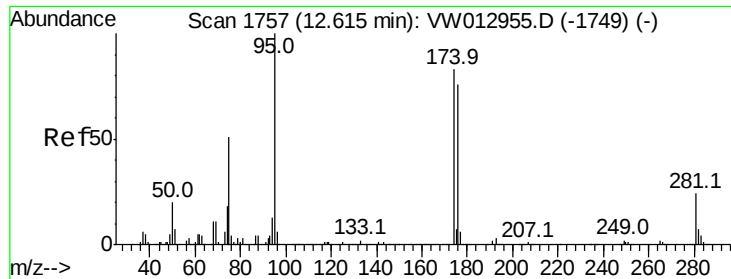
98 100

100 65.9 52.1 78.1



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

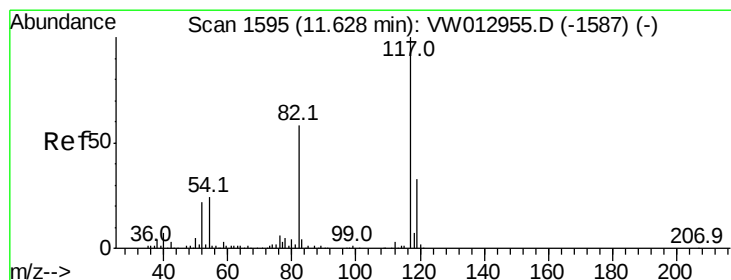
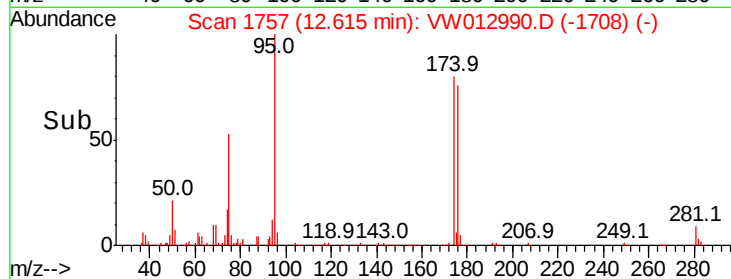
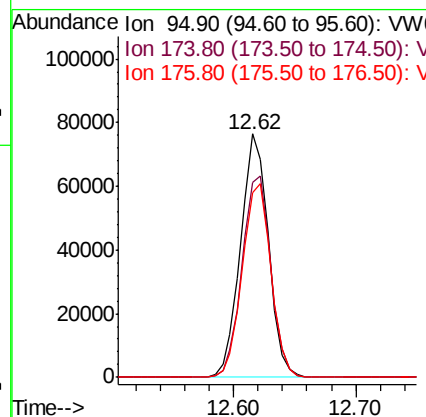
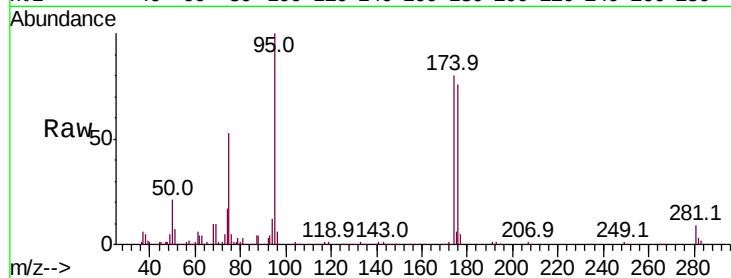




#62
4-Bromofluorobenzene
Concen: 37.199 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012990.D
Acq: 14 Sep 2019 13:46

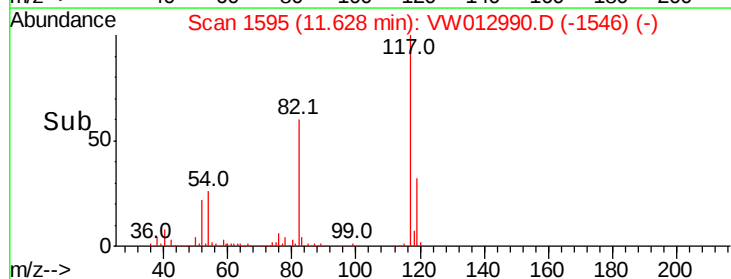
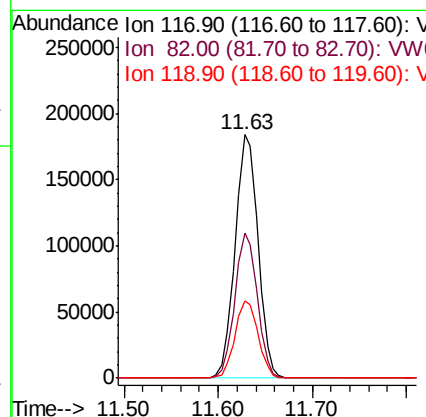
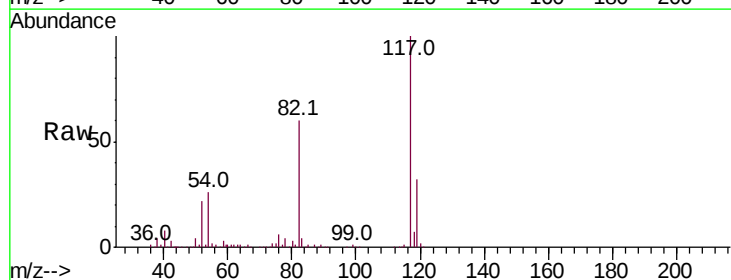
Instrument :
MSVOA_W
ClientSampled :

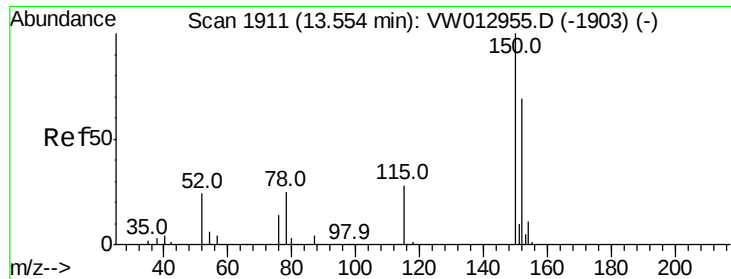
Tot Ion: 95 Resp: 120191
Ion Ratio Lower Upper
95 100
174 85.5 0.0 170.4
176 82.2 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW012990.D
Acq: 14 Sep 2019 13:46

Tgt Ion: 117 Resp: 310552
Ion Ratio Lower Upper
117 100
82 59.7 46.3 69.5
119 31.7 26.2 39.4



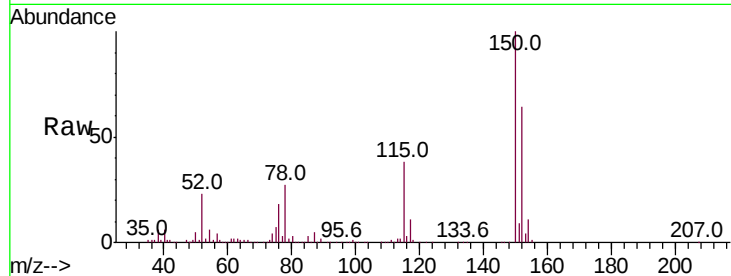


#72

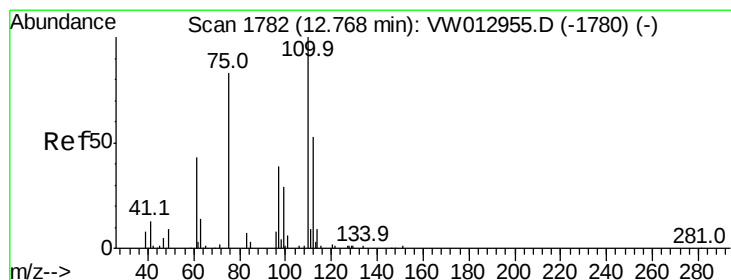
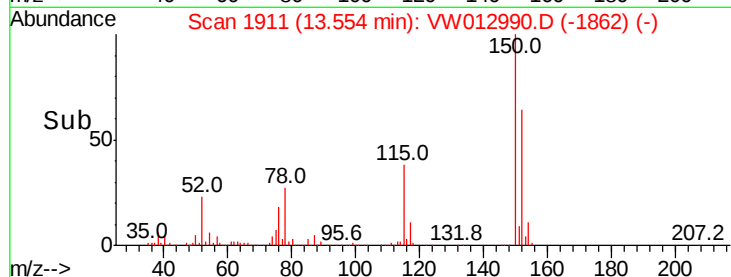
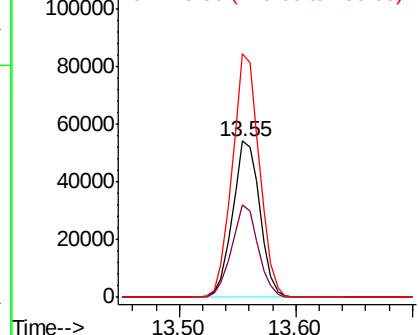
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW012990.D
Acq: 14 Sep 2019 13:46

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:152 Resp: 88371
Ion Ratio Lower Upper
152 100
115 57.3 28.8 86.4
150 154.3 0.0 340.2



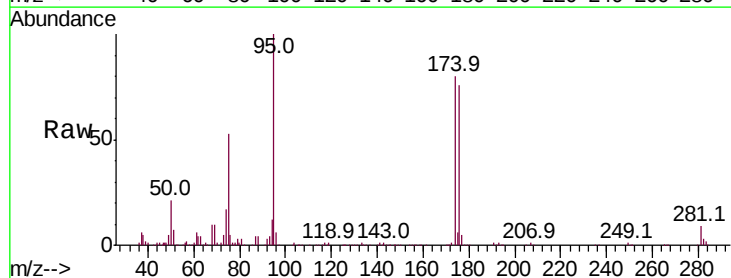
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



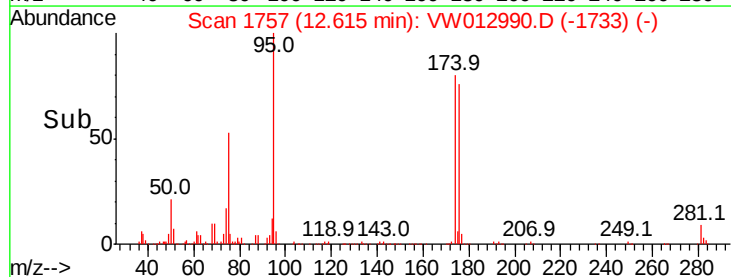
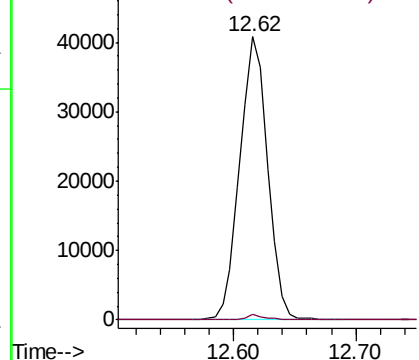
#76

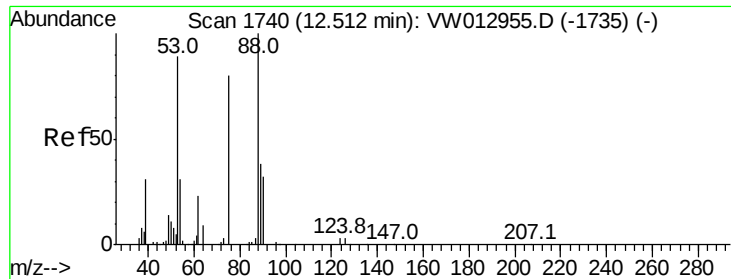
1,2,3-Trichloropropane
Concen: 83.103 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012990.D
Acq: 14 Sep 2019 13:46

Tgt Ion: 75 Resp: 64327
Ion Ratio Lower Upper
75 100
77 1.3 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: 188.518 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012990.D

Acq: 14 Sep 2019 13:46

Instrument :

MSVOA_W

ClientSampleId :

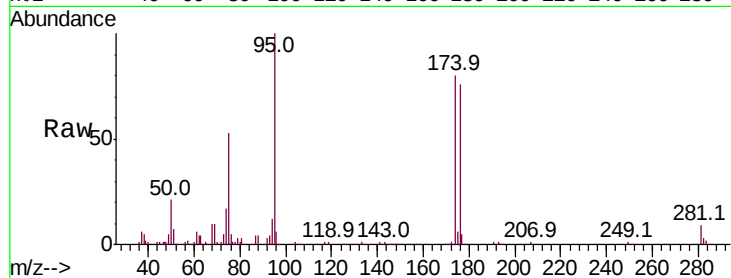
Tot Ion: 75 Resp: 64327

Ion Ratio Lower Upper

75 100

53 0.1 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

