

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011871.D
 Acq On : 13 Aug 2019 01:11
 Operator : SY/VA
 Sample : K4229-16
 Misc : 4.85G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 09:24:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	324032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126008	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	154493	57.21	ug/l	0.00
Spiked Amount			Recovery	=	114.42%	
35) Dibromofluoromethane	7.88	113	122925	55.63	ug/l	0.00
Spiked Amount			Recovery	=	111.26%	
50) Toluene-d8	10.32	98	482359	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	
62) 4-Bromofluorobenzene	12.62	95	150924	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	

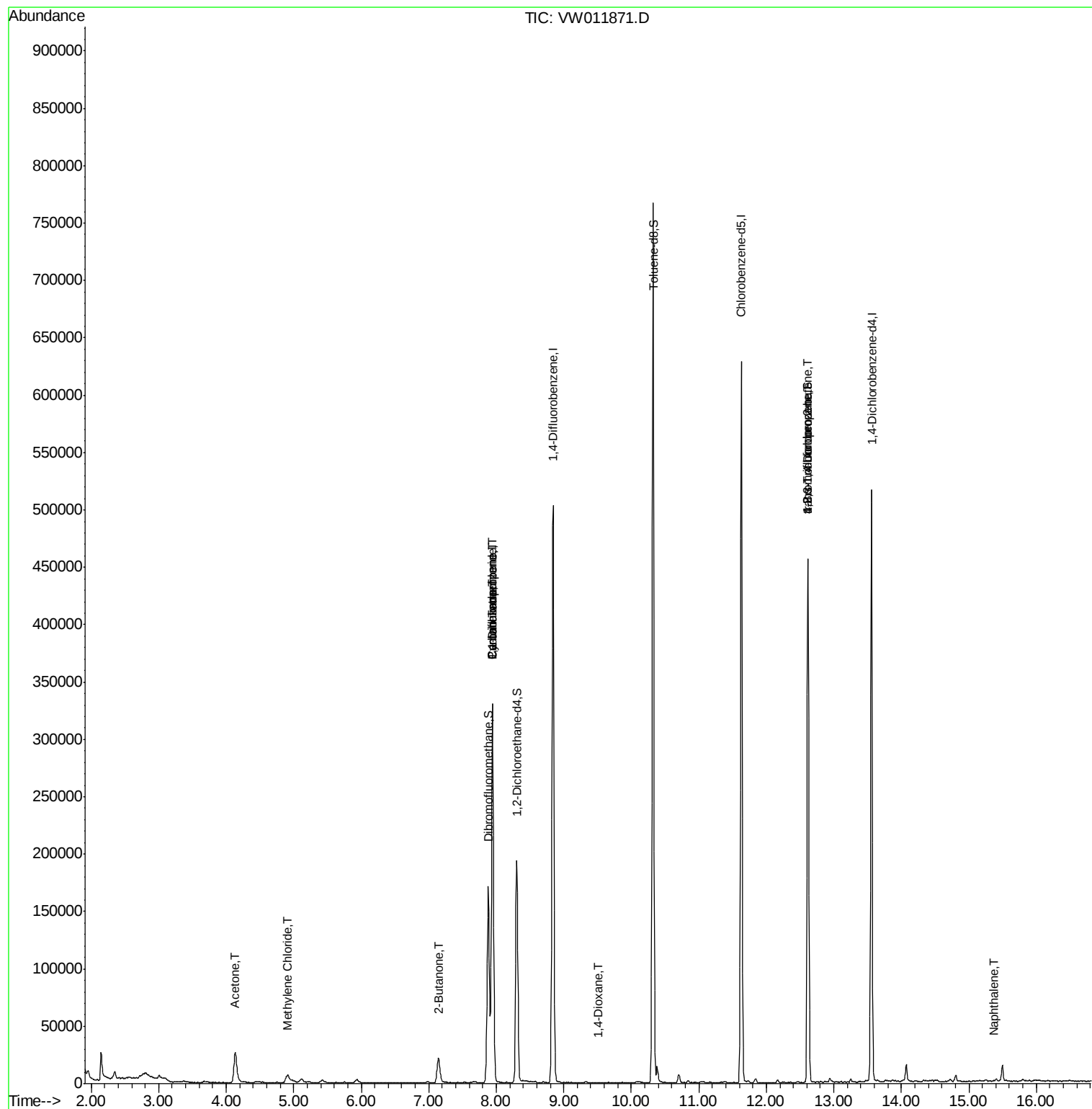
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	663	Below Cal	#	72
16) Acetone	4.14	43	54976	64.004	ug/l	96
20) Methylene Chloride	4.91	84	4543	1.534	ug/l	90
25) 2-Butanone	7.15	43	1452	1.292	ug/l	96
31) Cyclohexane	7.94	56	6050	1.198	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20338	4.966	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24130	6.882	ug/l #	16
49) 1,4-Dioxane	9.50	88	44	2.169	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	81714	61.287	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81714	141.244	ug/l #	6
95) Naphthalene	15.37	128	887	2.237	ug/l #	77

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

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 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: VW011871.D

Acq: 13 Aug 2019 01:11

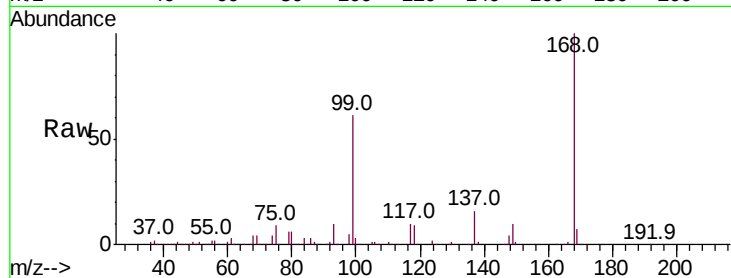
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 235159

Ion Ratio Lower Upper

168 100

99 61.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

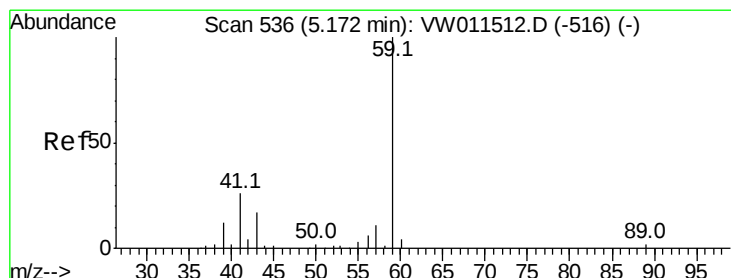
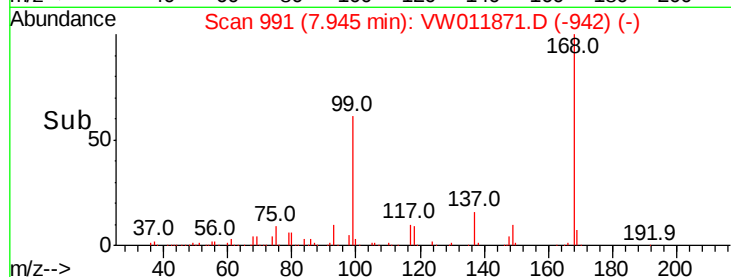
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 544

Delta R.T. 0.05 min

Lab File: VW011871.D

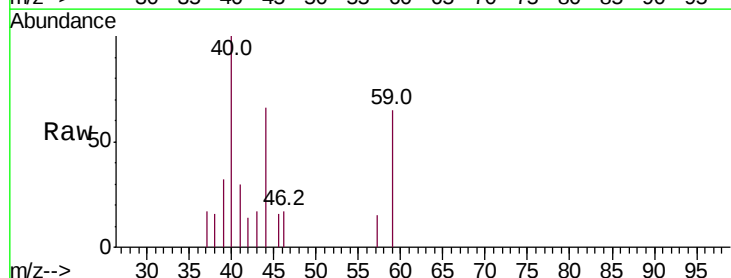
Acq: 13 Aug 2019 01:11

Tgt Ion: 59 Resp: 663

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.22

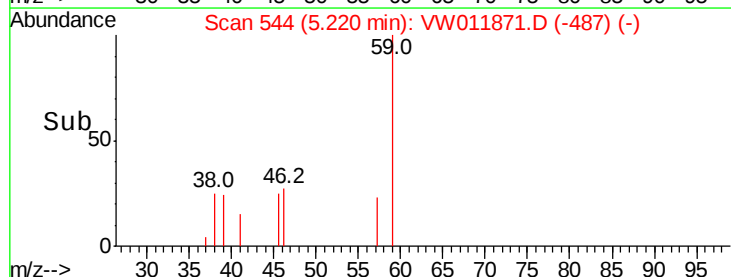
300

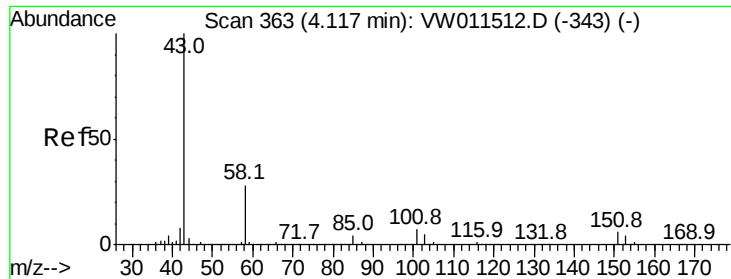
200

100

0

Time-->





#16

Acetone

Concen: 64.004 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011871.D

Acq: 13 Aug 2019 01:11

Instrument :

MSVOA_W

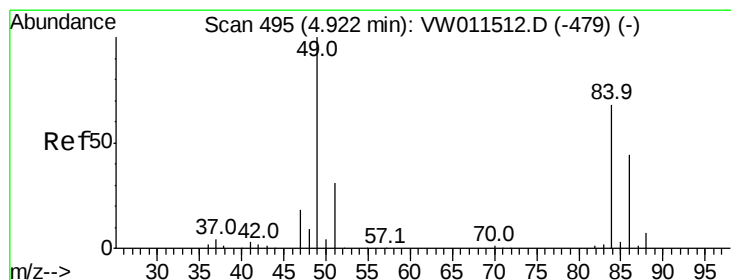
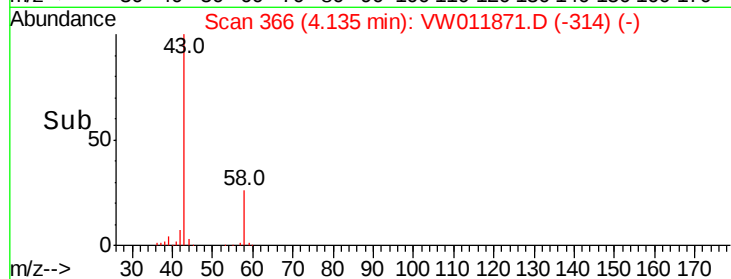
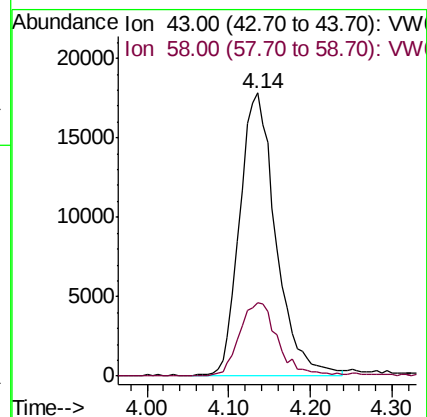
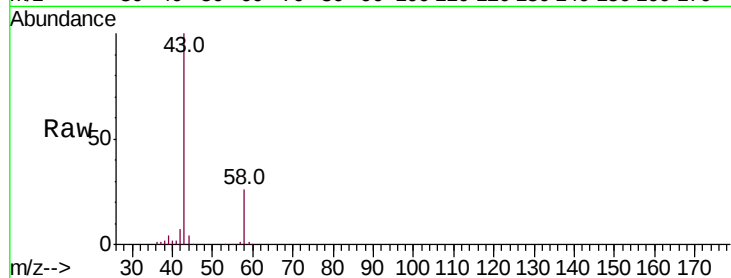
ClientSampleId :

Tot Ion: 43 Resp: 54976

Ion Ratio Lower Upper

43 100

58 25.8 22.3 33.5



#20

Methylene Chloride

Concen: 1.534 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011871.D

Acq: 13 Aug 2019 01:11

Tgt Ion: 84 Resp: 4543

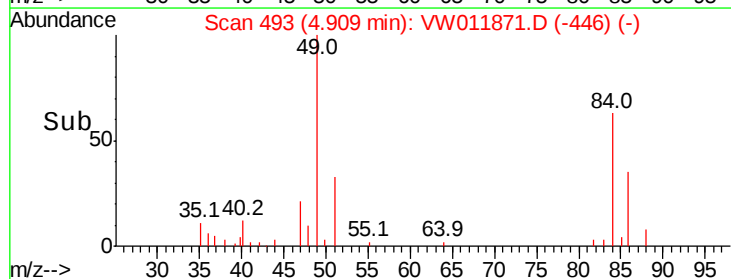
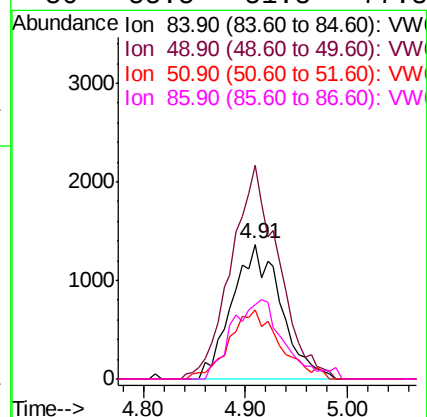
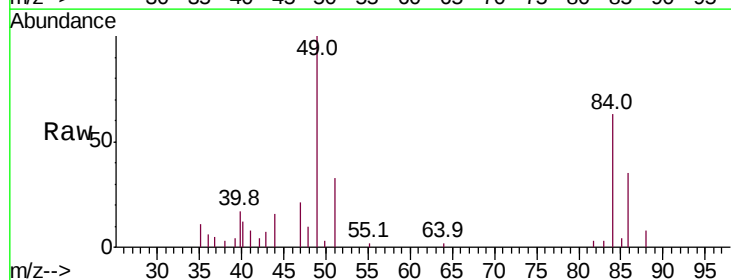
Ion Ratio Lower Upper

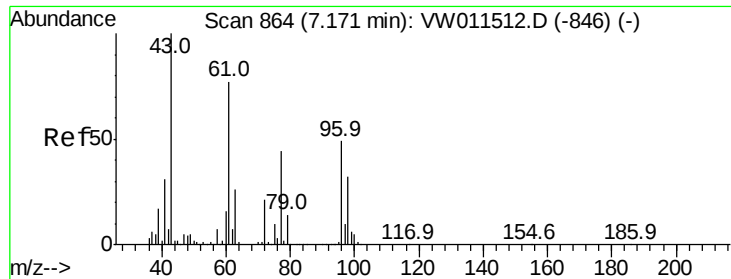
84 100

49 158.6 117.8 176.6

51 51.8 37.0 55.4

86 55.5 51.8 77.8





#25

2-Butanone

Concen: 1.292 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW011871.D

Acq: 13 Aug 2019 01:11

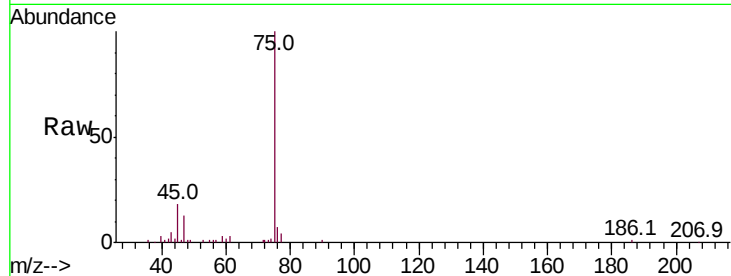
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1452

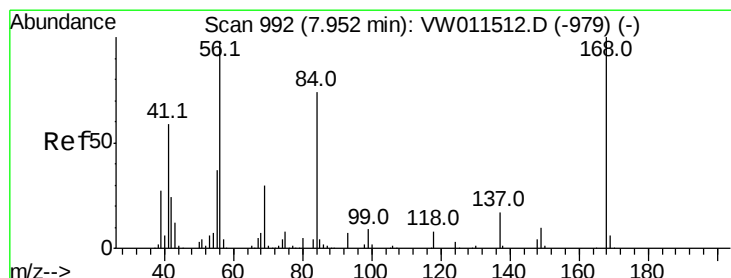
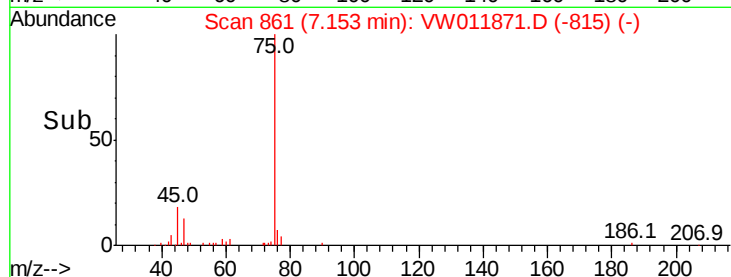
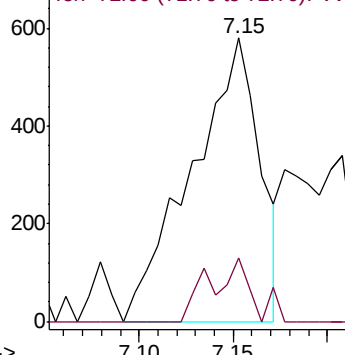
Ion Ratio Lower Upper

43 100

72 22.6 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.198 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011871.D

Acq: 13 Aug 2019 01:11

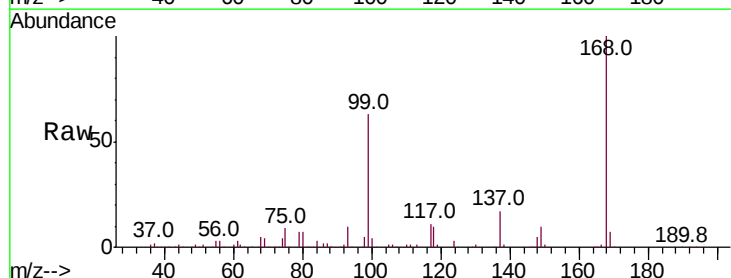
Tgt Ion: 56 Resp: 6050

Ion Ratio Lower Upper

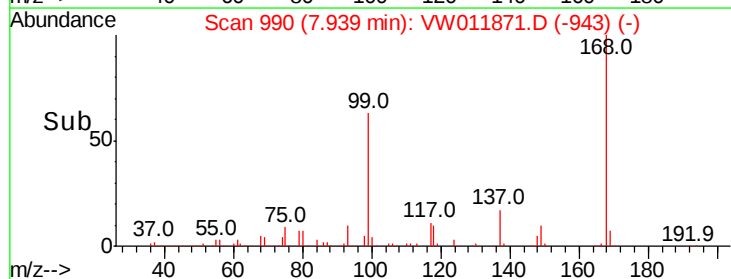
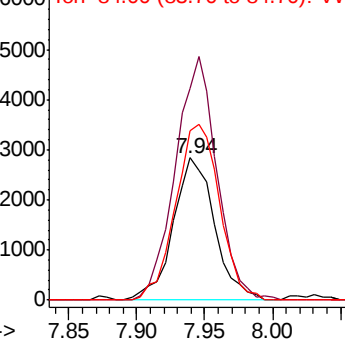
56 100

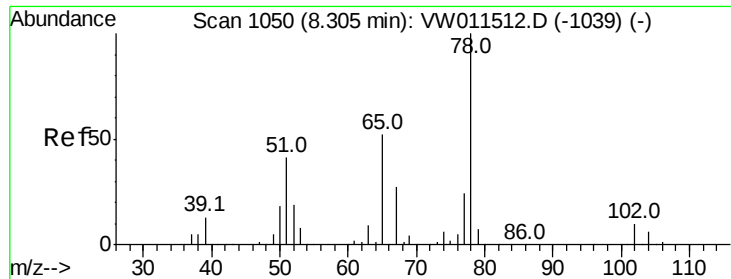
69 149.0 24.3 36.5#

84 119.2 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

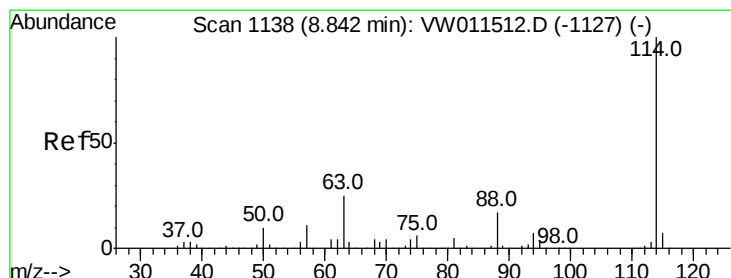
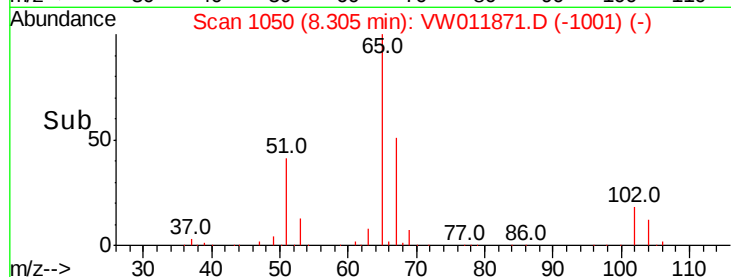
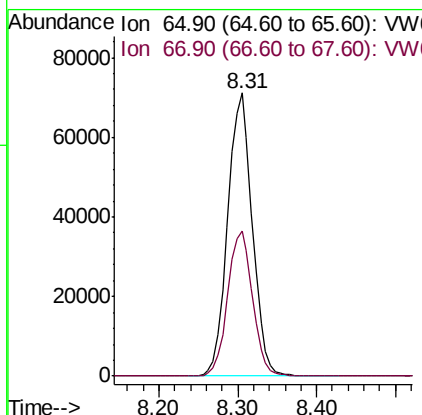
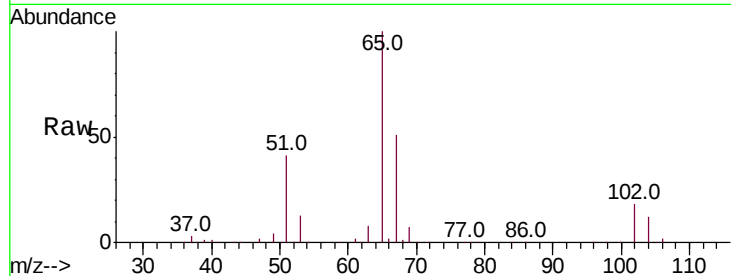




#33
 1,2-Dichloroethane-d4
 Concen: 57.214 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011871.D
 Acq: 13 Aug 2019 01:11

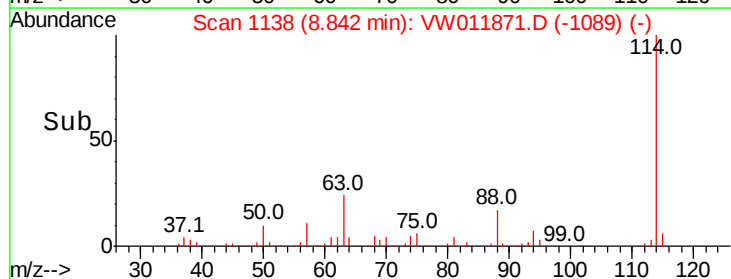
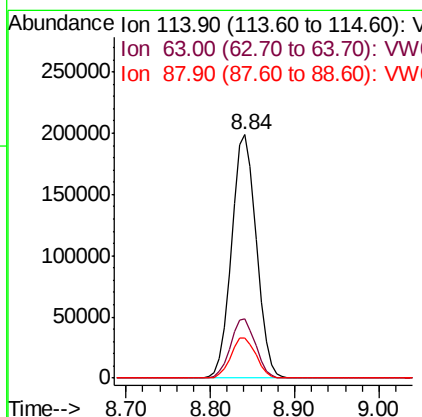
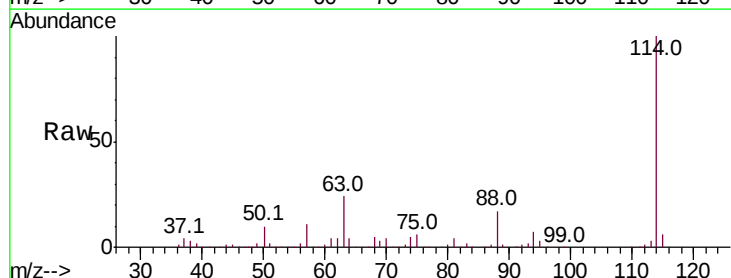
Instrument :
 MSVOA_W
 ClientSampled :

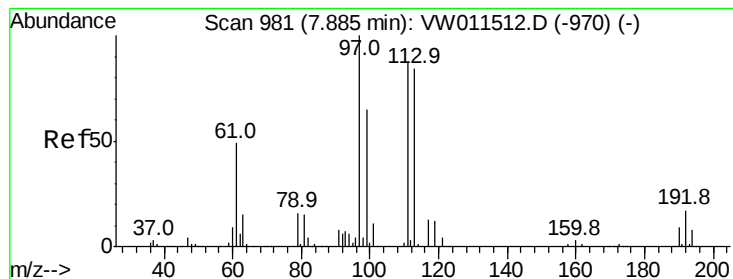
Tot Ion: 65 Resp: 154493
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011871.D
 Acq: 13 Aug 2019 01:11

Tgt Ion: 114 Resp: 393874
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.630 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011871.D

Acq: 13 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :

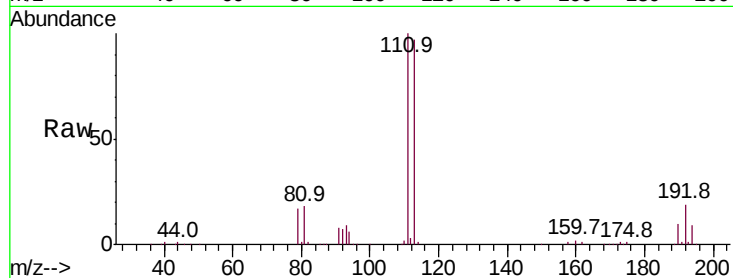
Tot Ion:113 Resp: 122925

Ion Ratio Lower Upper

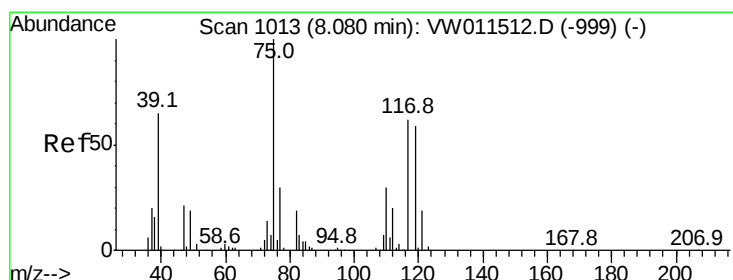
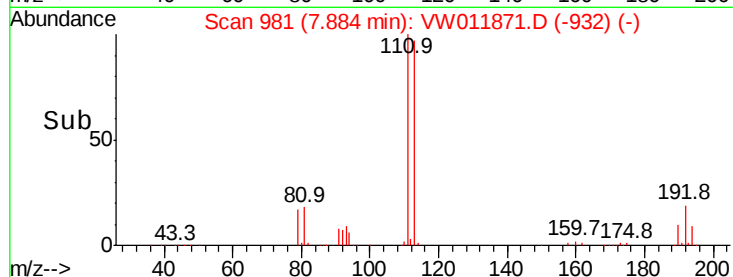
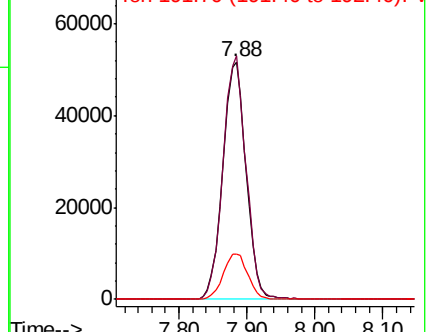
113 100

111 101.1 82.7 124.1

192 20.1 16.1 24.1



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: 4.966 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011871.D

Acq: 13 Aug 2019 01:11

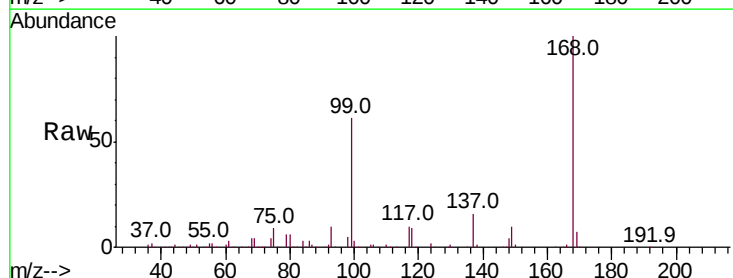
Tgt Ion: 75 Resp: 20338

Ion Ratio Lower Upper

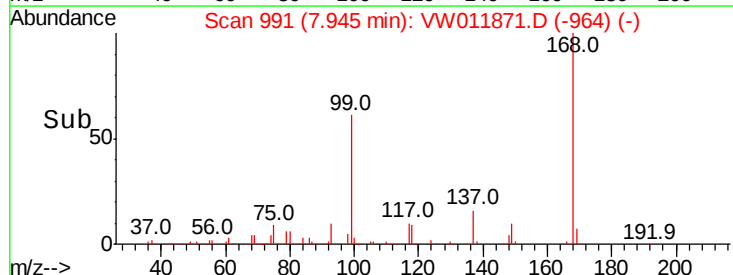
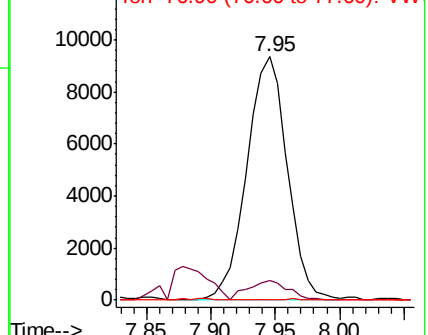
75 100

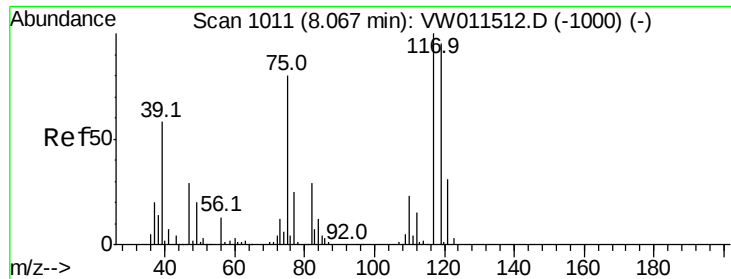
110 8.1 15.6 46.8#

77 0.1 24.3 36.5#



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: 6.882 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011871.D

Acq: 13 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampled :

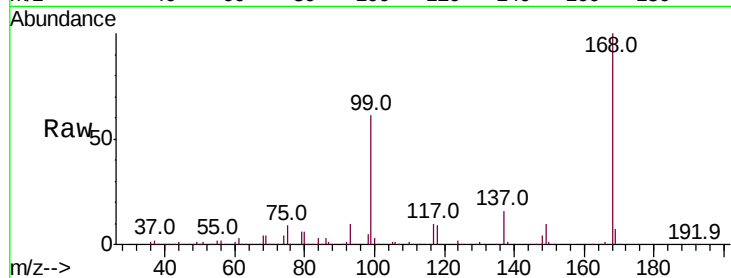
Tot Ion:117 Resp: 24130

Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.6#

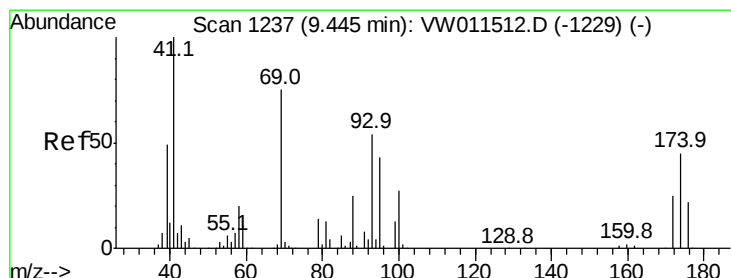
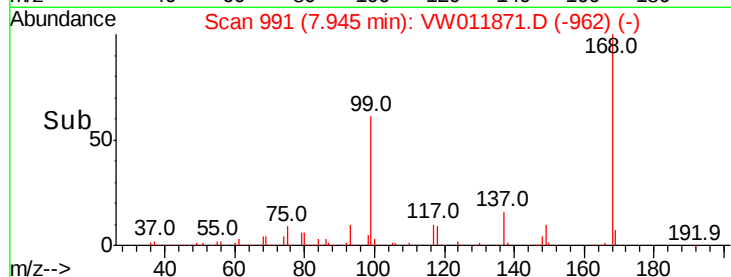
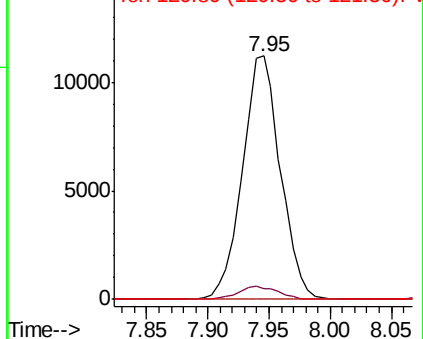
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 2.169 ug/l

RT: 9.50 min Scan# 1246

Delta R.T. 0.05 min

Lab File: VW011871.D

Acq: 13 Aug 2019 01:11

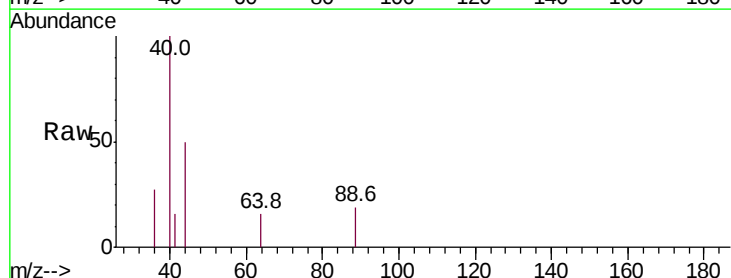
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 211.4 34.0 51.0#

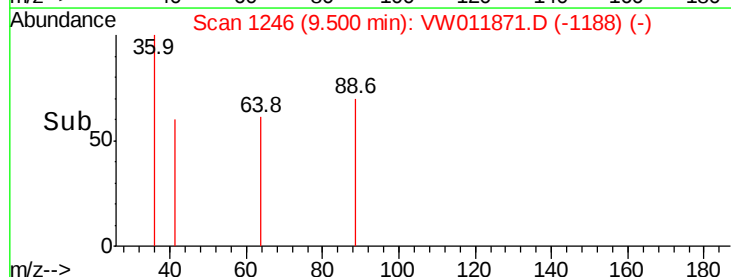
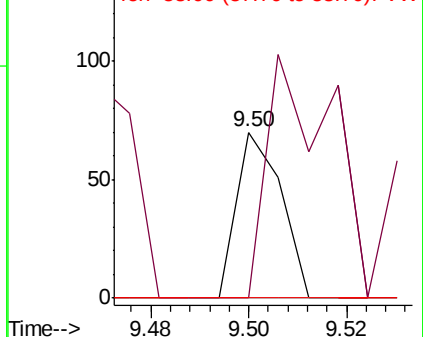
58 0.0 69.7 104.5#

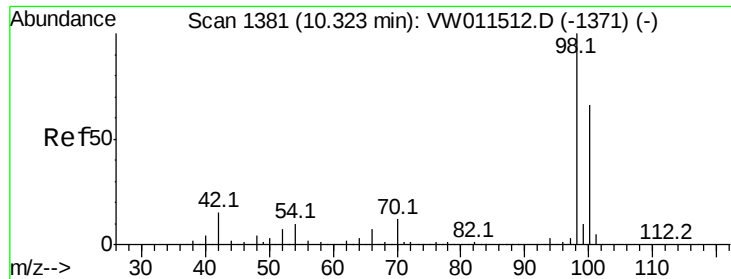


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 53.316 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011871.D

Acq: 13 Aug 2019 01:11

Instrument :

MSVOA_W

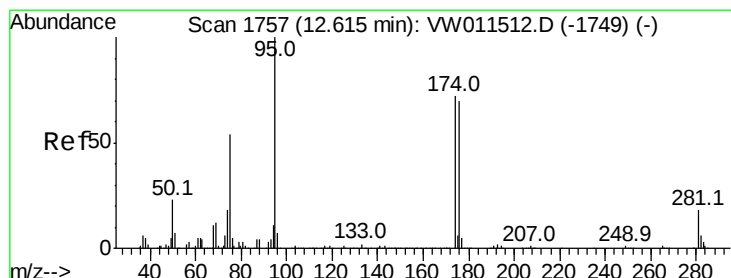
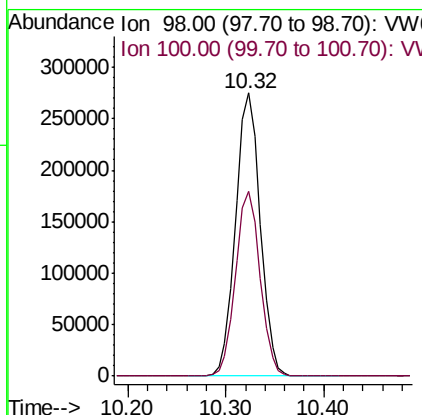
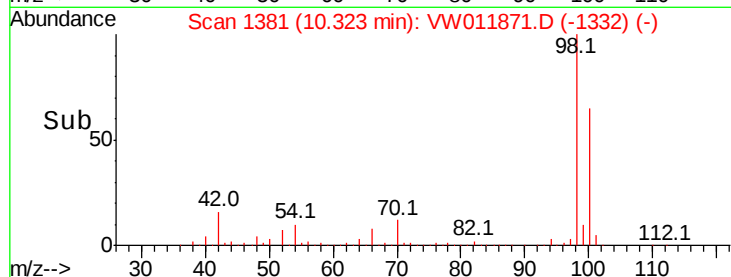
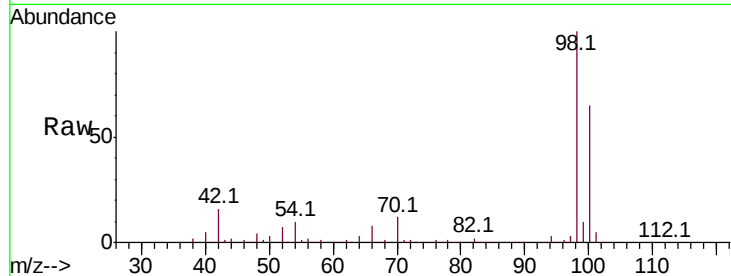
ClientSampleId :

Tot Ion: 98 Resp: 482359

Ion Ratio Lower Upper

98 100

100 64.8 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 46.791 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011871.D

Acq: 13 Aug 2019 01:11

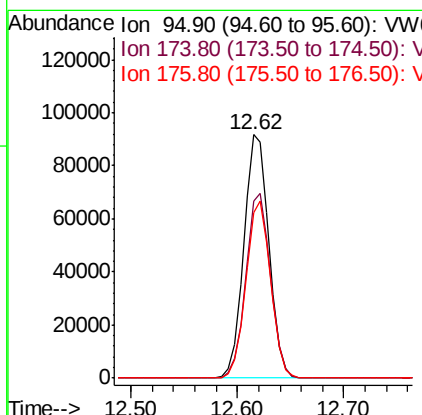
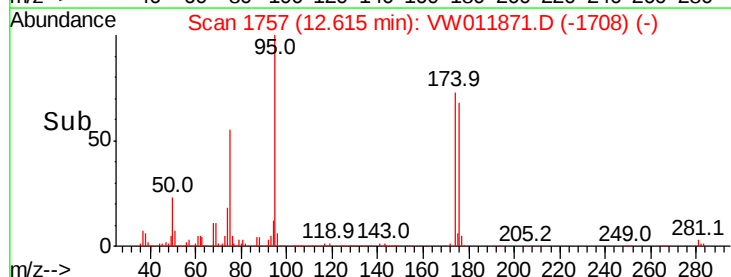
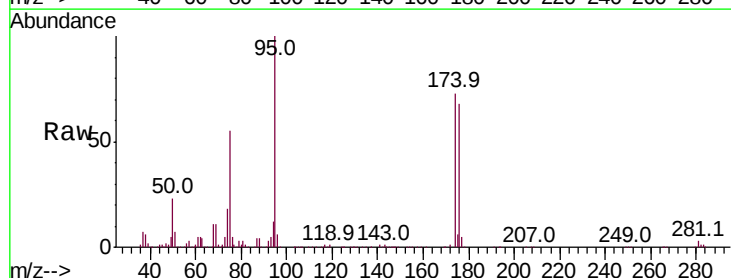
Tgt Ion: 95 Resp: 150924

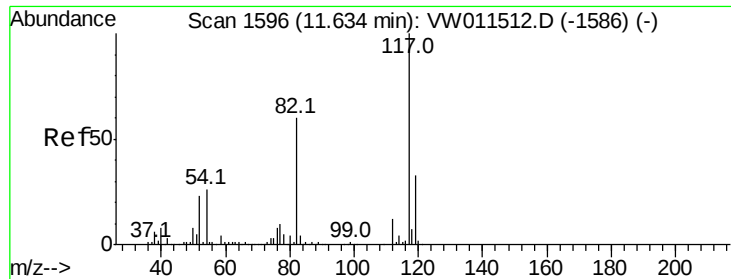
Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

176 71.5 0.0 144.4

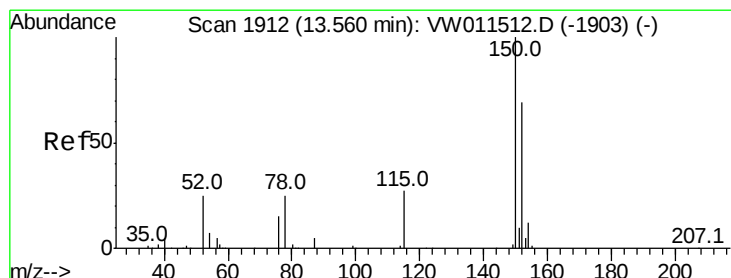
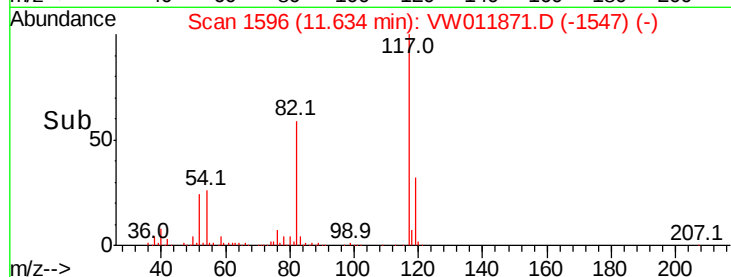
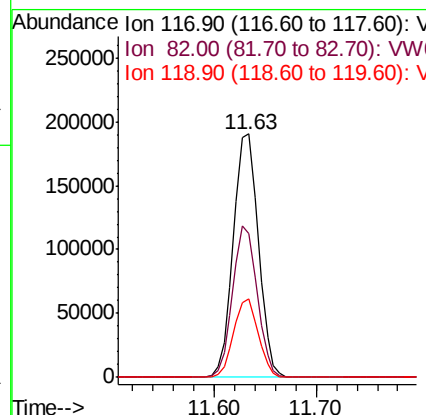
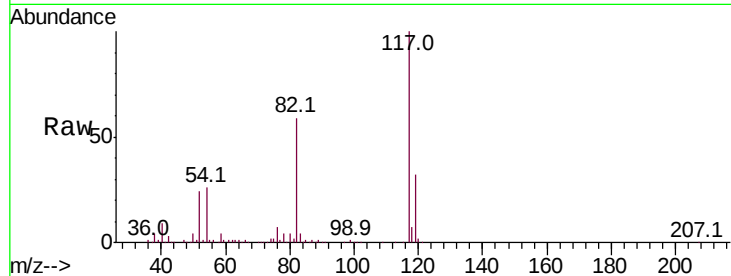




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011871.D
Acq: 13 Aug 2019 01:11

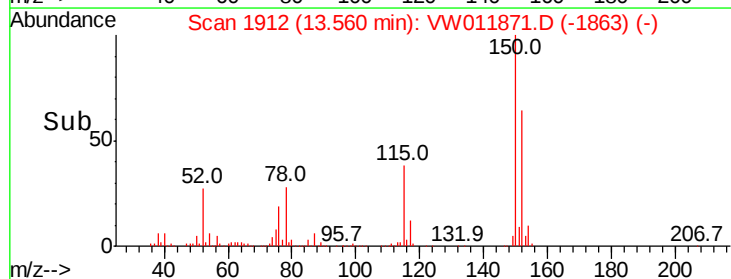
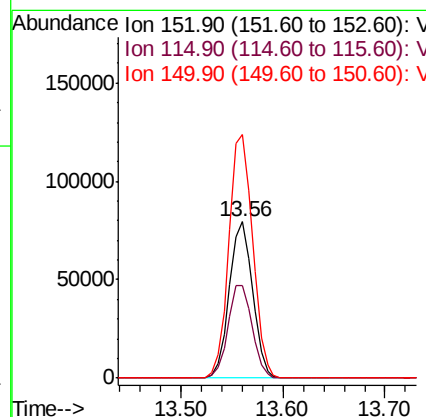
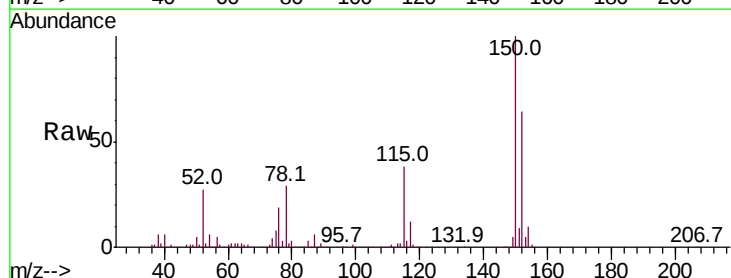
Instrument :
MSVOA_W
ClientSampleId :

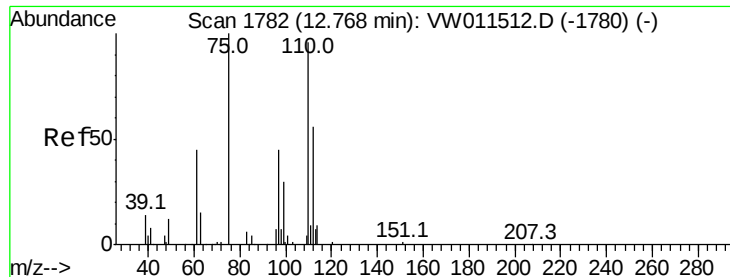
Tot Ion:117 Resp: 324032
Ion Ratio Lower Upper
117 100
82 59.3 47.9 71.9
119 32.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011871.D
Acq: 13 Aug 2019 01:11

Tgt Ion:152 Resp: 126008
Ion Ratio Lower Upper
152 100
115 61.2 30.5 91.5
150 159.0 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 61.287 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011871.D

Acq: 13 Aug 2019 01:11

Instrument :

MSVOA_W

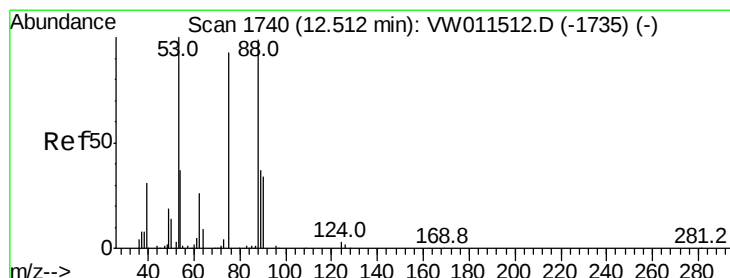
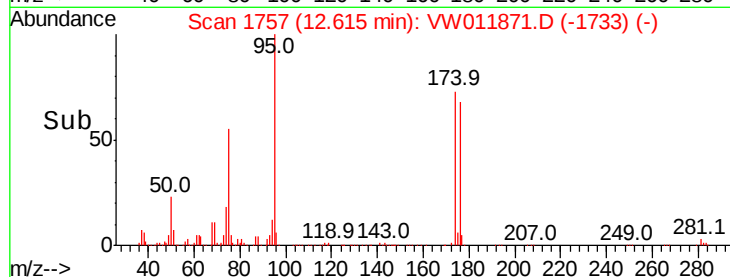
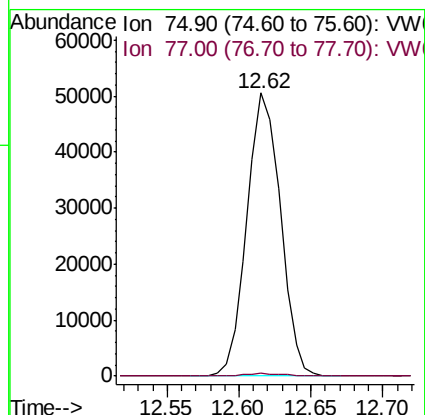
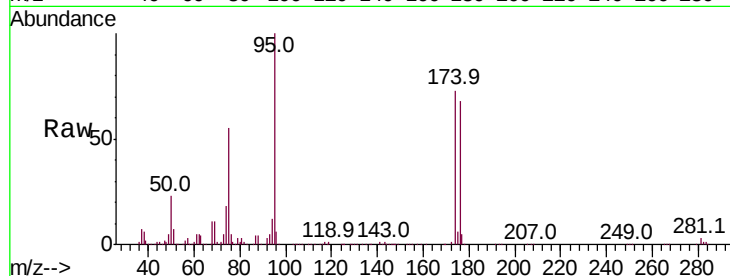
ClientSampleId :

Tot Ion: 75 Resp: 81714

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 141.244 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011871.D

Acq: 13 Aug 2019 01:11

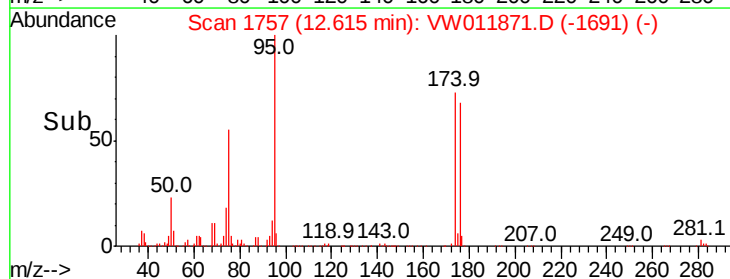
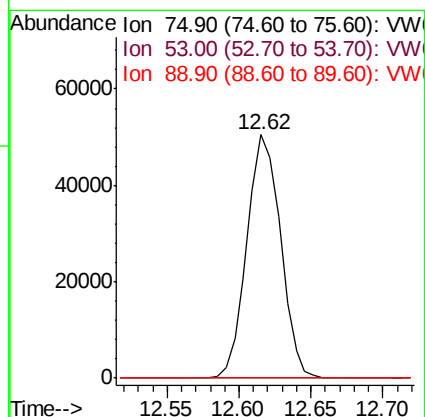
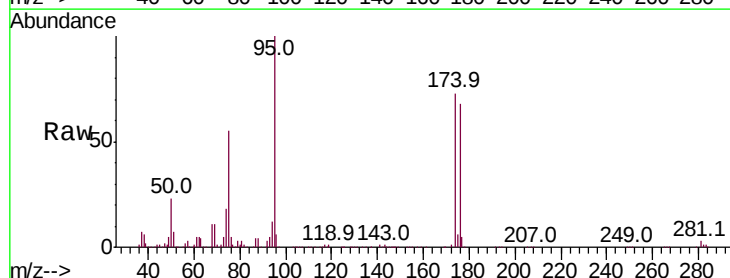
Tgt Ion: 75 Resp: 81714

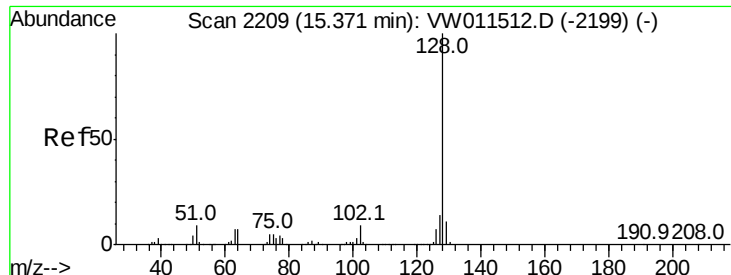
Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.237 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011871.D
Acq: 13 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 887
Ion Ratio Lower Upper
128 100
127 5.7 10.6 16.0#
129 0.0 8.6 13.0#

