

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011850.D
 Acq On : 12 Aug 2019 14:24
 Operator : SY/VA
 Sample : K4229-01
 Misc : 5.52G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 07:46:01 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	207733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	346141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	288562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111763	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	138839	58.20	ug/l	0.00
Spiked Amount			Recovery	=	116.40%	
35) Dibromofluoromethane	7.88	113	108912	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	
50) Toluene-d8	10.32	98	428059	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
62) 4-Bromofluorobenzene	12.62	95	131633	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	

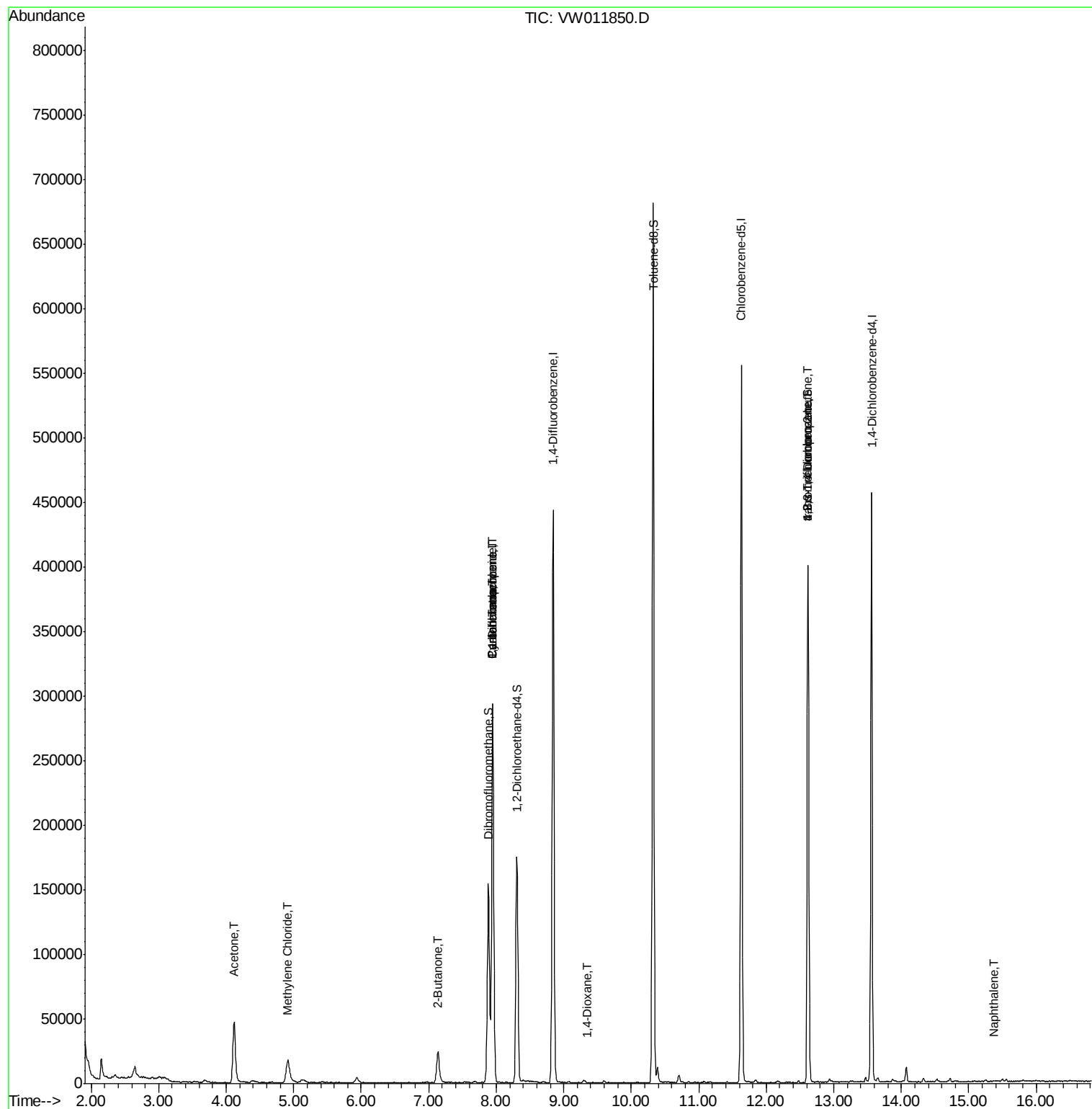
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	2487	Below Cal	#	79
16) Acetone	4.12	43	84394	111.224	ug/l	97
20) Methylene Chloride	4.90	84	13131	5.018	ug/l #	95
25) 2-Butanone	7.13	43	1475	1.486	ug/l #	83
31) Cyclohexane	7.95	56	5144	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18485	5.136	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21213	6.885	ug/l #	16
49) 1,4-Dioxane	9.35	88	23	1.290	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	70682	59.769	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70682	137.747	ug/l #	6
95) Naphthalene	15.38	128	262	2.123	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081219\
Data File : VW011850.D
Acq On : 12 Aug 2019 14:24
Operator : SY/VA
Sample : K4229-01
Misc : 5.52G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Aug 13 07:46:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
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# 992

Delta R.T. 0.01 min

Lab File: VW011850.D

Acq: 12 Aug 2019 14:24

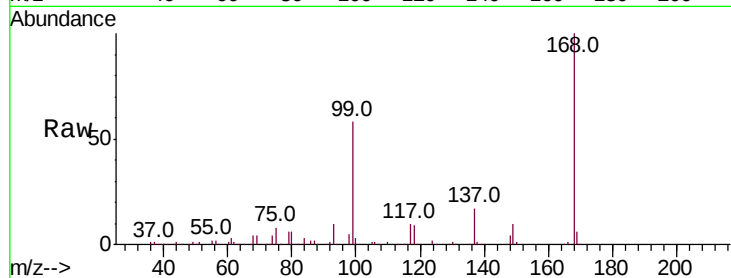
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 207733

Ion Ratio Lower Upper

168 100

99 58.2 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

100000

80000

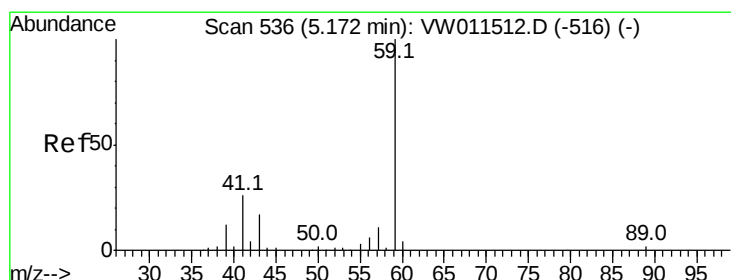
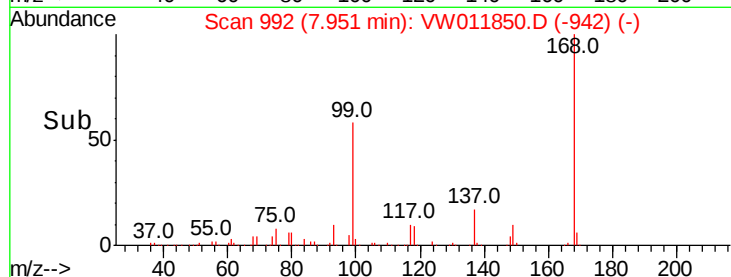
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.14 min Scan# 531

Delta R.T. -0.03 min

Lab File: VW011850.D

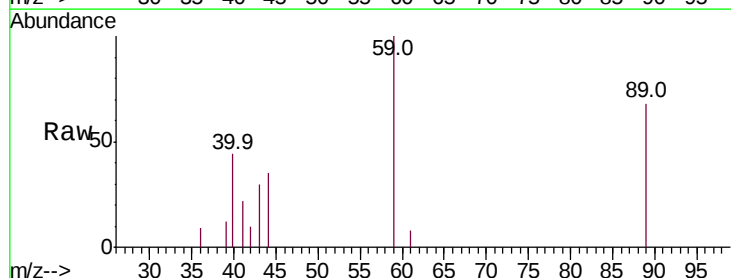
Acq: 12 Aug 2019 14:24

Tgt Ion: 59 Resp: 2487

Ion Ratio Lower Upper

59 100

57 2.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

800

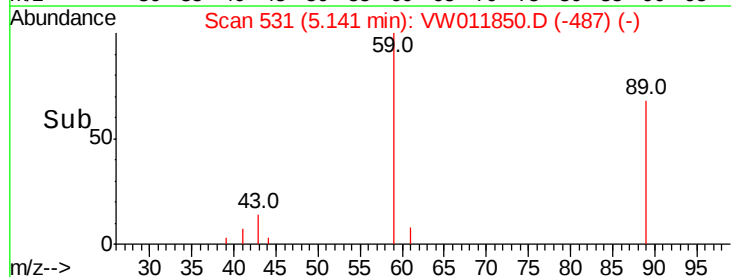
600

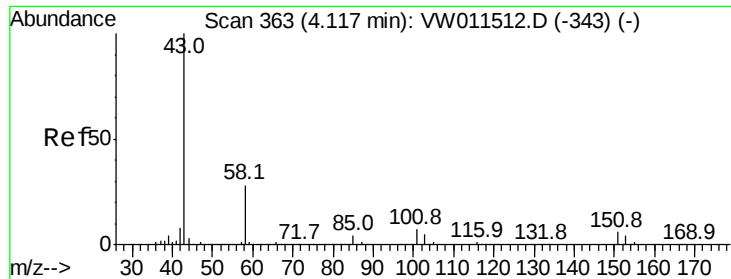
400

200

0

Time--> 5.10 5.15 5.20 5.25

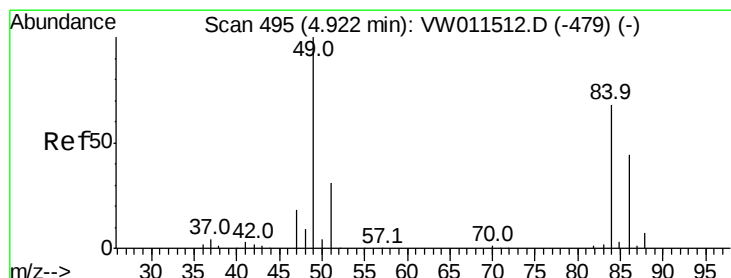
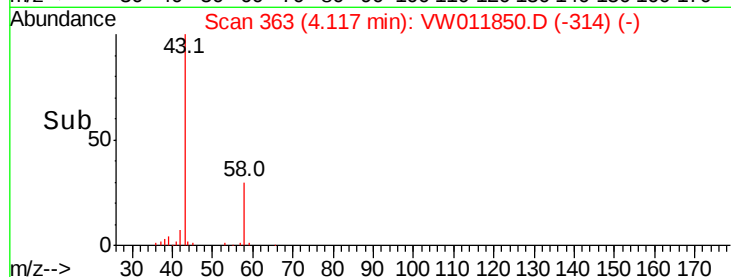
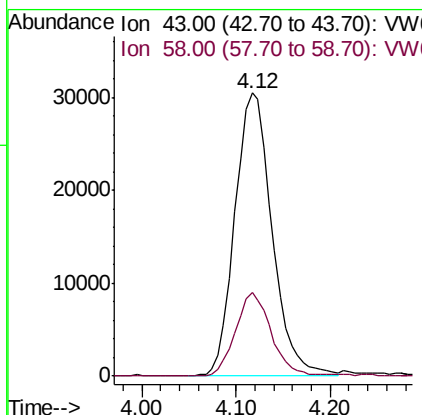
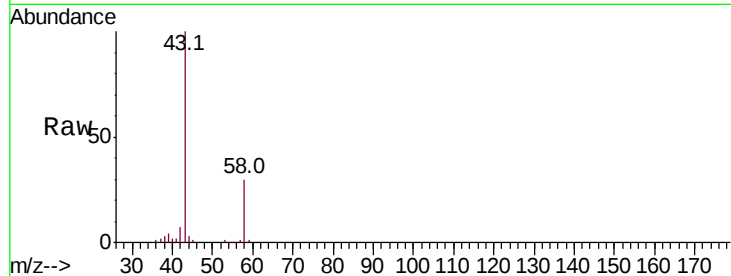




#16
Acetone
Concen: 111.224 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW011850.D
Acq: 12 Aug 2019 14:24

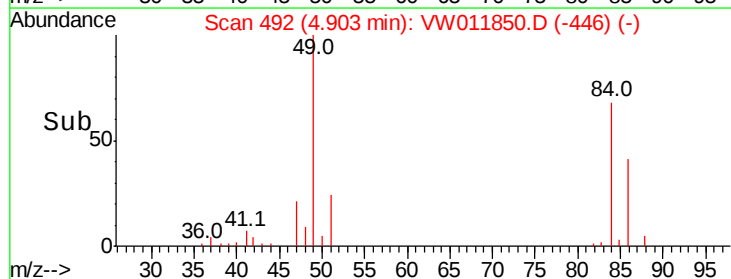
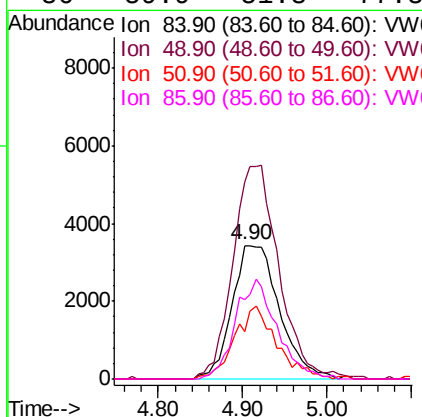
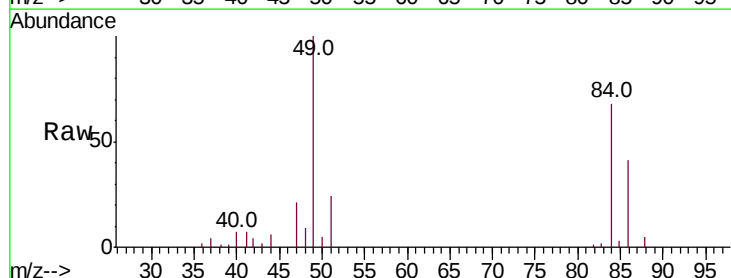
Instrument :
MSVOA_W
ClientSampleId :

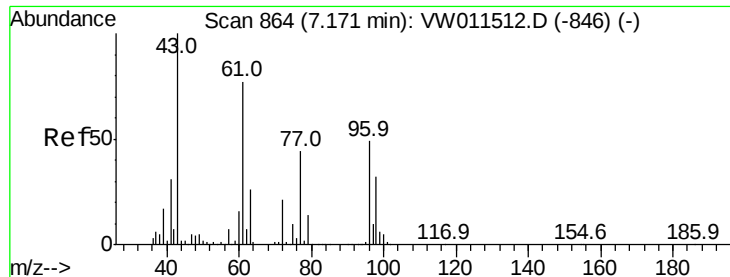
Tot Ion: 43 Resp: 84394
Ion Ratio Lower Upper
43 100
58 29.6 22.3 33.5



#20
Methylene Chloride
Concen: 5.018 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW011850.D
Acq: 12 Aug 2019 14:24

Tgt Ion: 84 Resp: 13131
Ion Ratio Lower Upper
84 100
49 147.6 117.8 176.6
51 35.7 37.0 55.4#
86 59.9 51.8 77.8





#25

2-Butanone

Concen: 1.486 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW011850.D

Acq: 12 Aug 2019 14:24

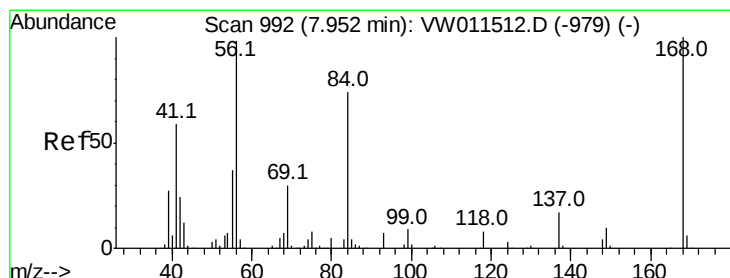
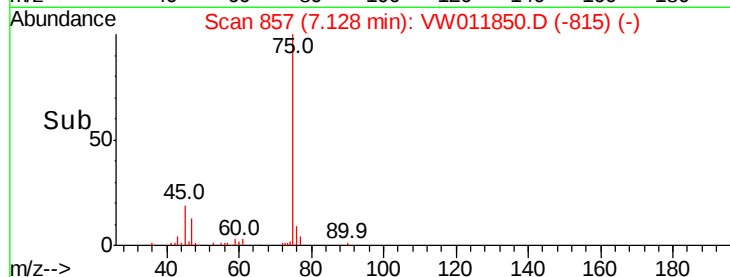
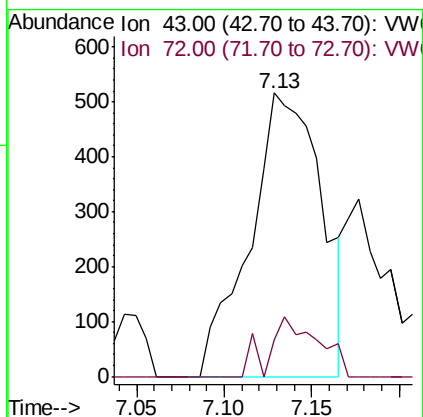
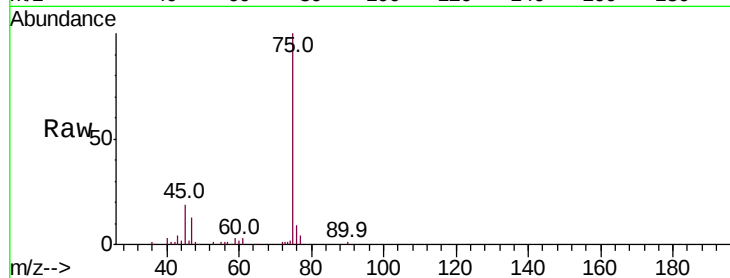
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1475

Ion Ratio Lower Upper

43 100

72 13.0 16.6 24.8#



#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011850.D

Acq: 12 Aug 2019 14:24

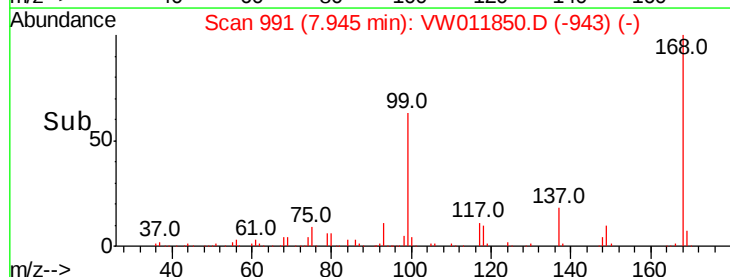
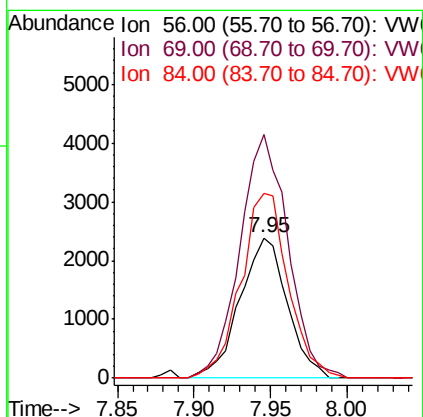
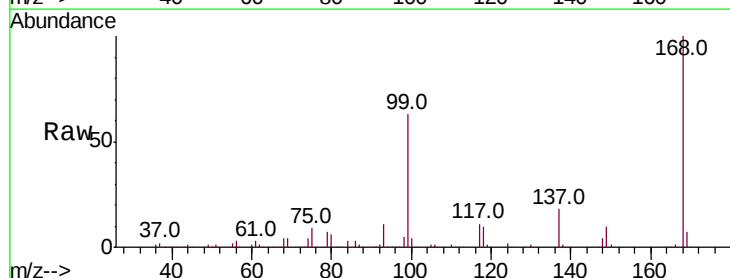
Tgt Ion: 56 Resp: 5144

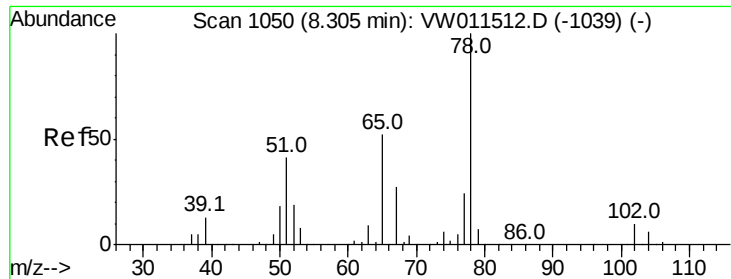
Ion Ratio Lower Upper

56 100

69 173.6 24.3 36.5#

84 131.9 60.4 90.6#





#33

1,2-Dichloroethane-d4

Concen: 58.205 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011850.D

Acq: 12 Aug 2019 14:24

Instrument :

MSVOA_W

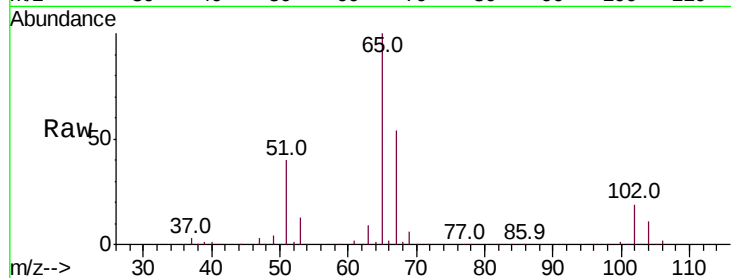
ClientSampleId :

Tot Ion: 65 Resp: 138839

Ion Ratio Lower Upper

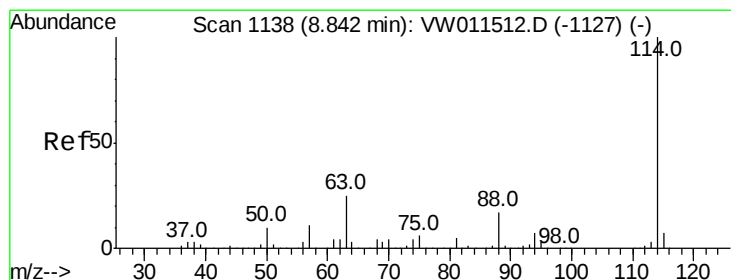
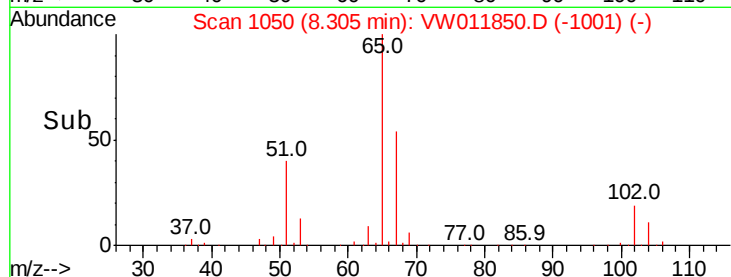
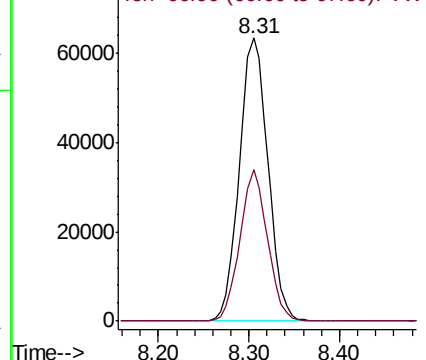
65 100

67 51.4 0.0 105.2



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: VW011850.D

Acq: 12 Aug 2019 14:24

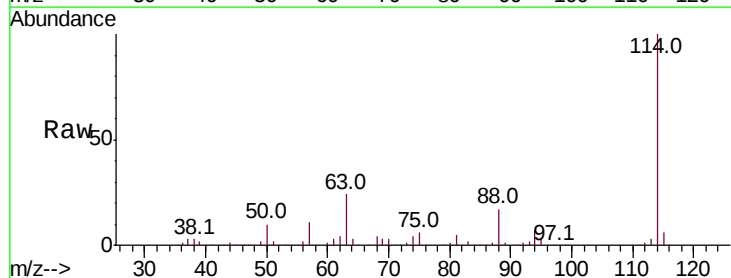
Tgt Ion: 114 Resp: 346141

Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.2

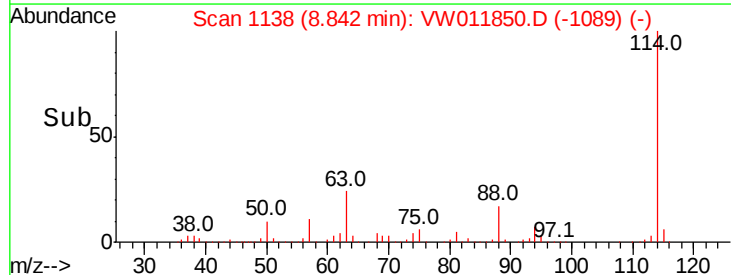
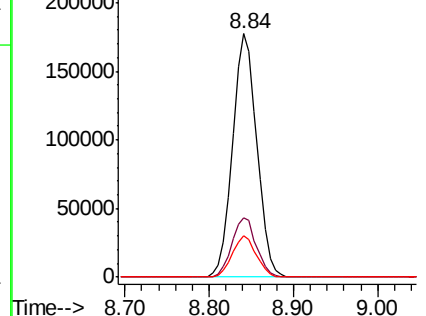
88 17.1 0.0 33.8

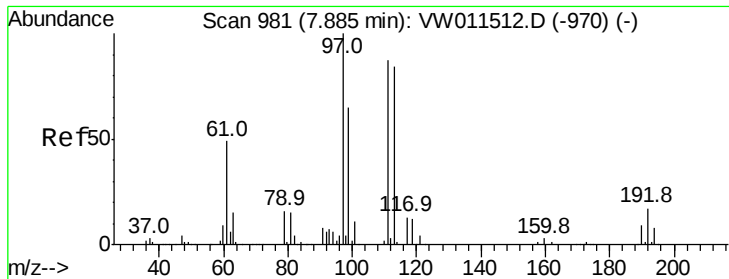


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

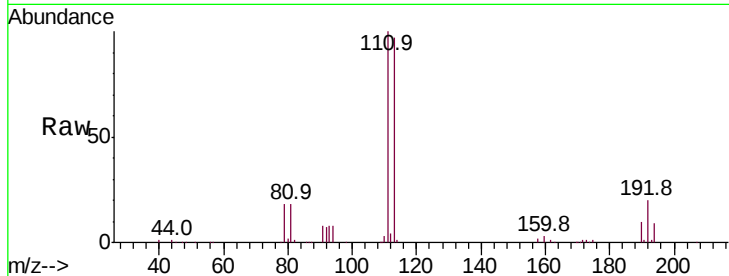




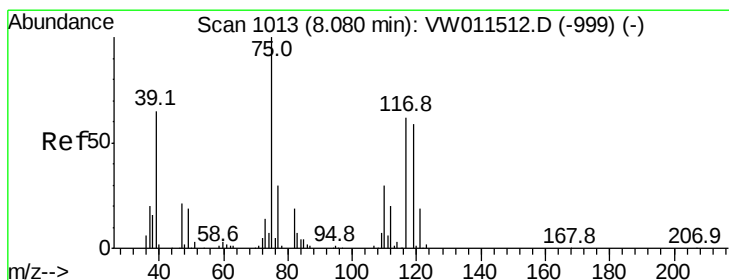
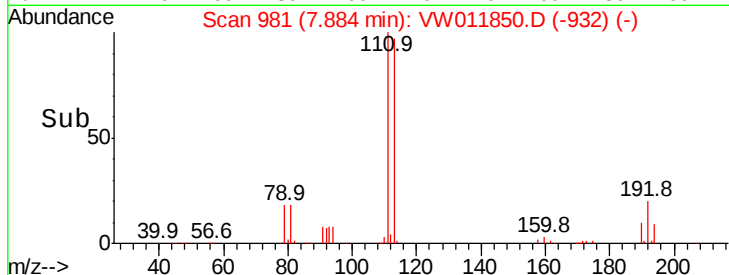
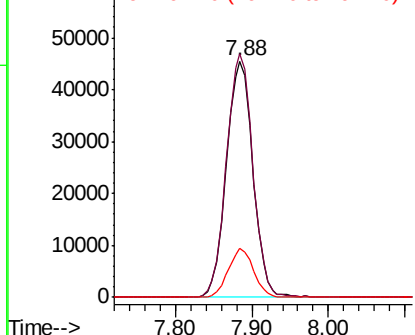
#35
 Dibromofluoromethane
 Concen: 56.085 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011850.D
 Acq: 12 Aug 2019 14:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.7	124.1
192	19.6	16.1	24.1

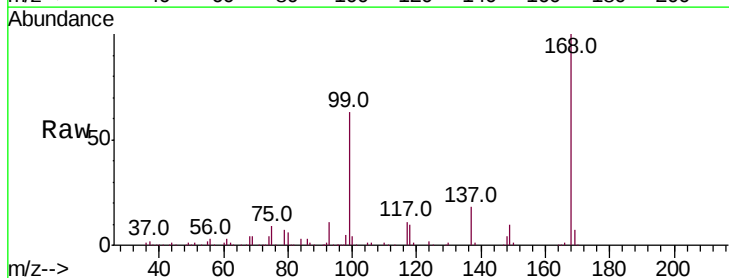


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

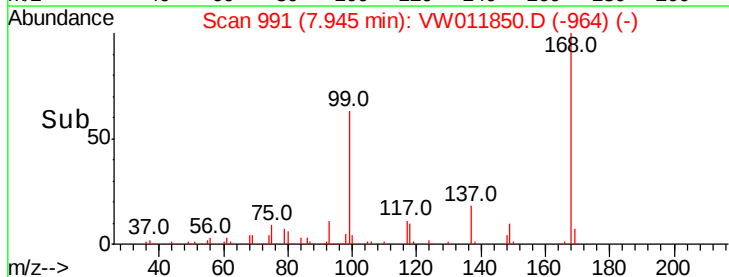
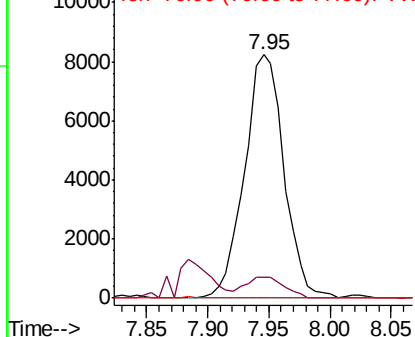


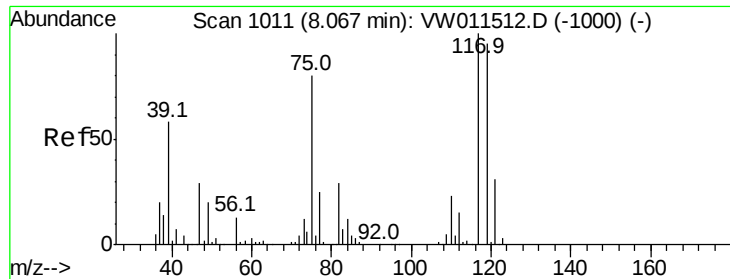
#36
 1,1-Dichloropropene
 Concen: 5.136 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011850.D
 Acq: 12 Aug 2019 14:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	15.6	46.8#
77	0.0	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: 6.885 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011850.D

Acq: 12 Aug 2019 14:24

Instrument :

MSVOA_W

ClientSampled :

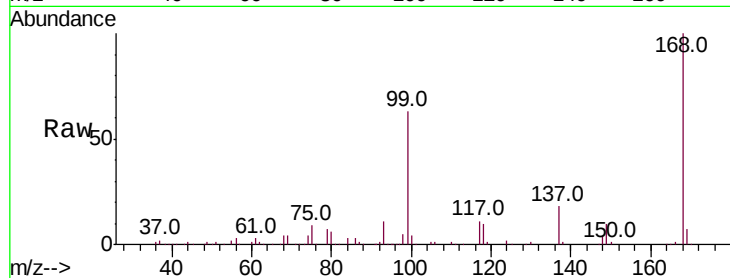
Tot Ion:117 Resp: 21213

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

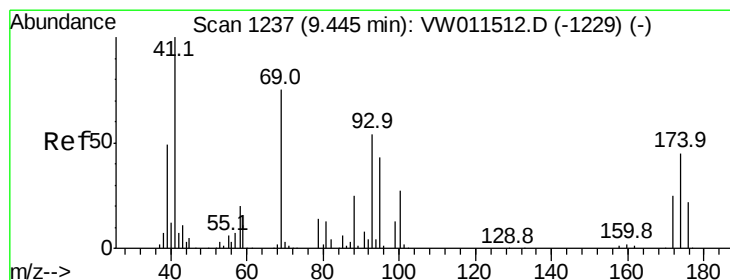
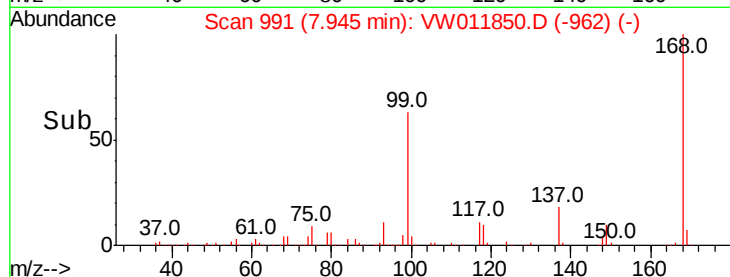
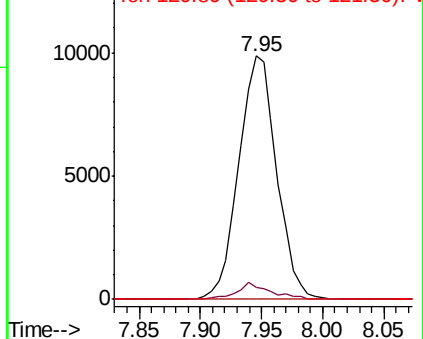
121 0.0 24.7 37.1#



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: 1.290 ug/l

RT: 9.35 min Scan# 1221

Delta R.T. -0.10 min

Lab File: VW011850.D

Acq: 12 Aug 2019 14:24

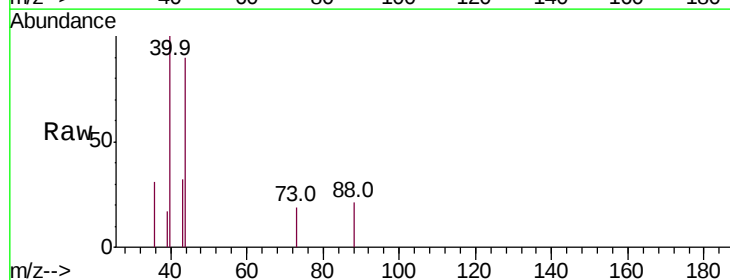
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 504.3 34.0 51.0#

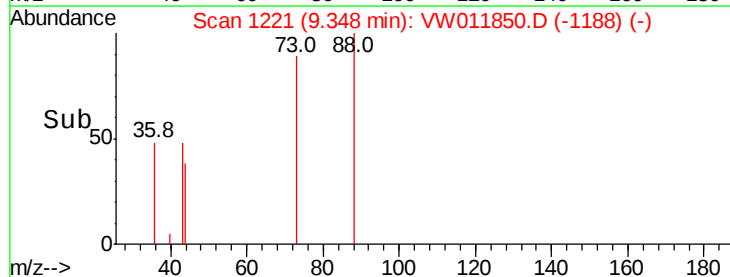
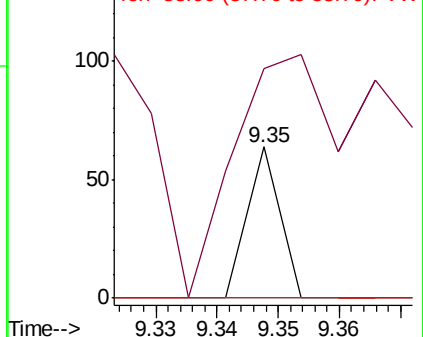
58 0.0 69.7 104.5#

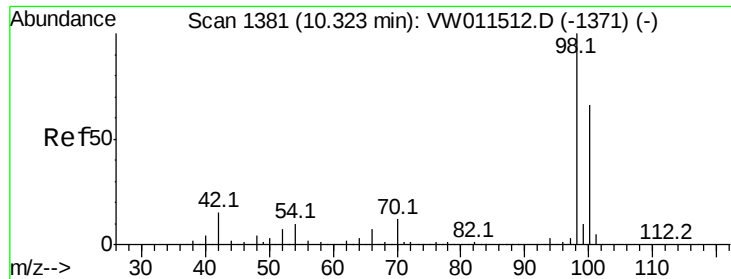


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 53.839 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011850.D

Acq: 12 Aug 2019 14:24

Instrument :

MSVOA_W

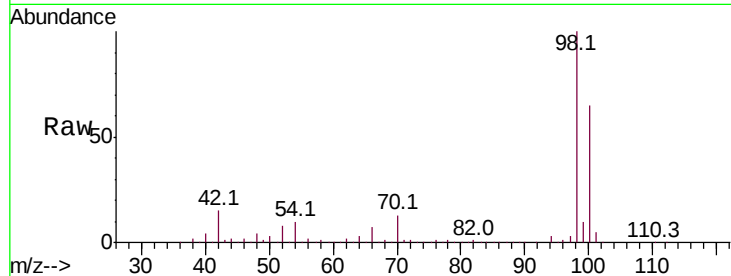
ClientSampleId :

Tot Ion: 98 Resp: 428059

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

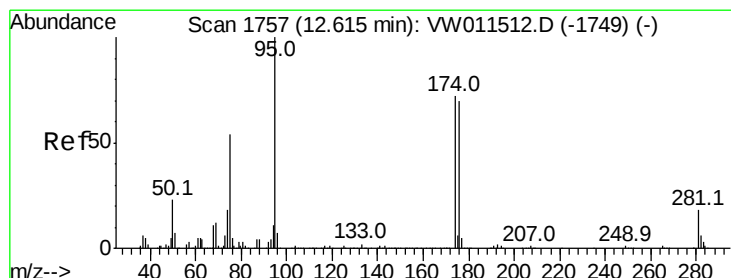
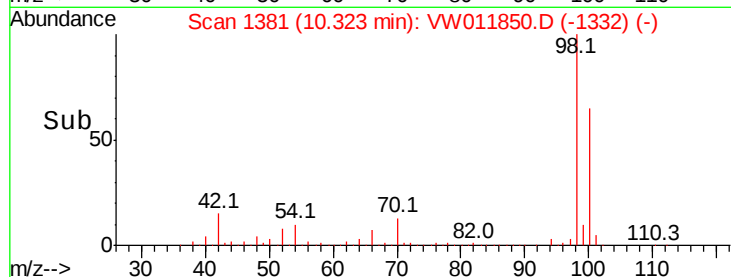
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.438 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011850.D

Acq: 12 Aug 2019 14:24

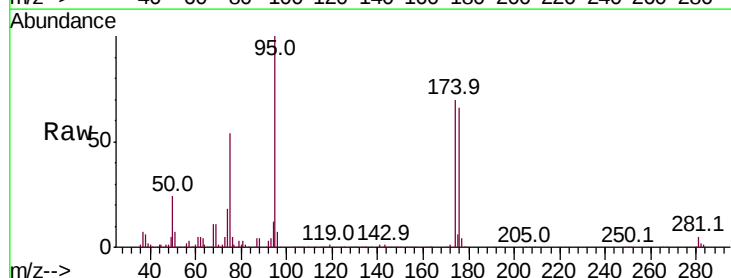
Tgt Ion: 95 Resp: 131633

Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.2

176 72.0 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

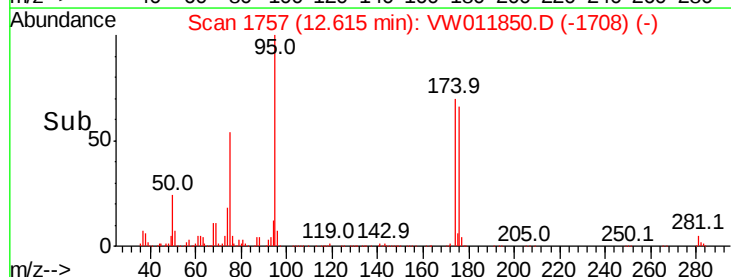
60000

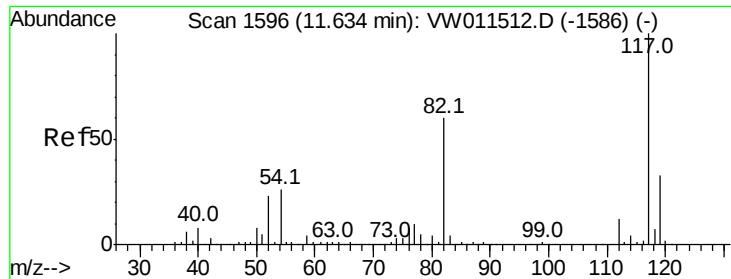
40000

20000

0

Time-->

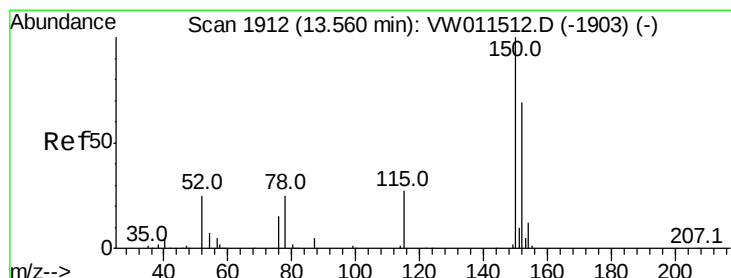
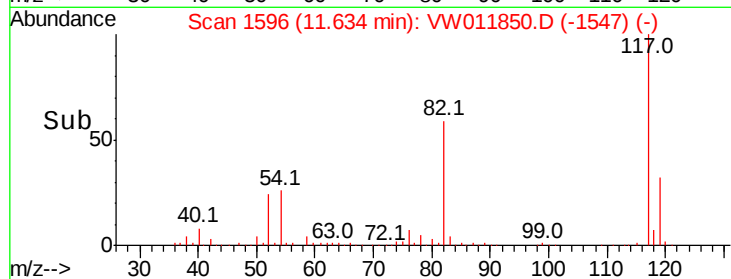
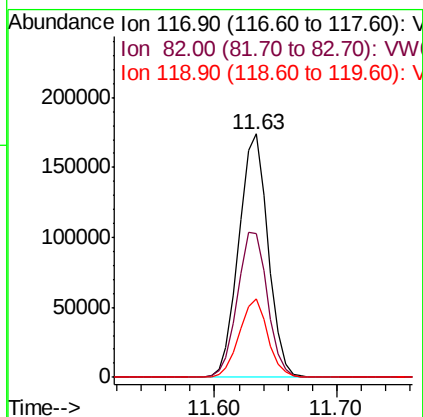
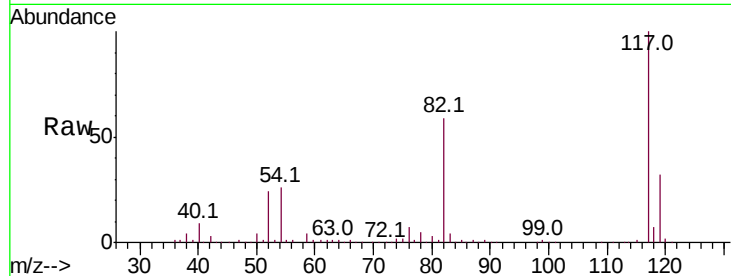




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011850.D
Acq: 12 Aug 2019 14:24

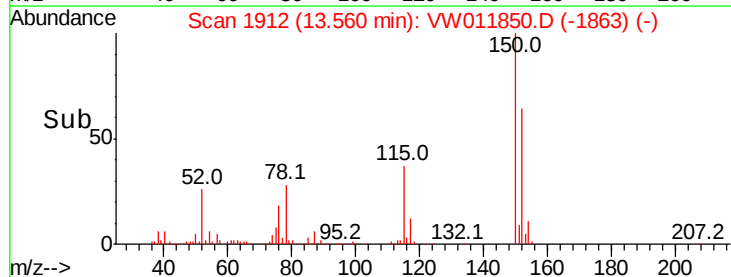
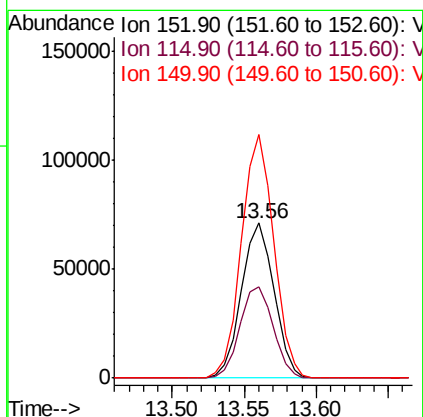
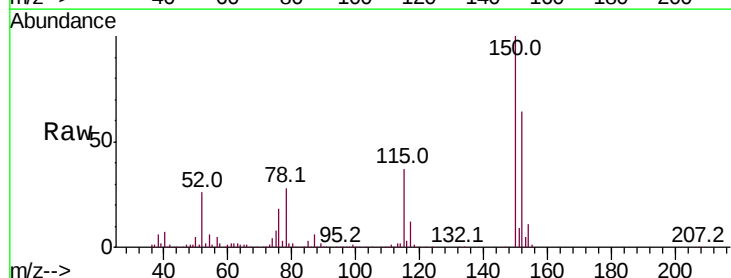
Instrument :
MSVOA_W
ClientSampled :

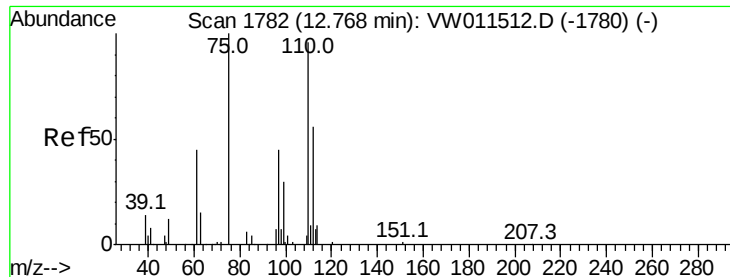
Tot Ion:117 Resp: 288562
Ion Ratio Lower Upper
117 100
82 59.2 47.9 71.9
119 32.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011850.D
Acq: 12 Aug 2019 14:24

Tgt Ion:152 Resp: 111763
Ion Ratio Lower Upper
152 100
115 60.2 30.5 91.5
150 155.7 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 59.769 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011850.D

Acq: 12 Aug 2019 14:24

Instrument :

MSVOA_W

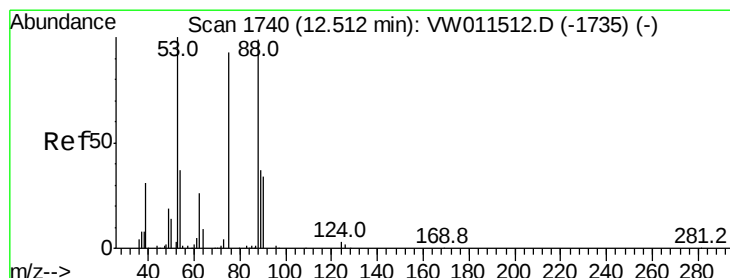
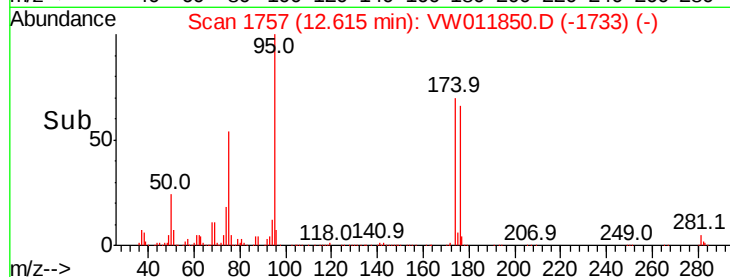
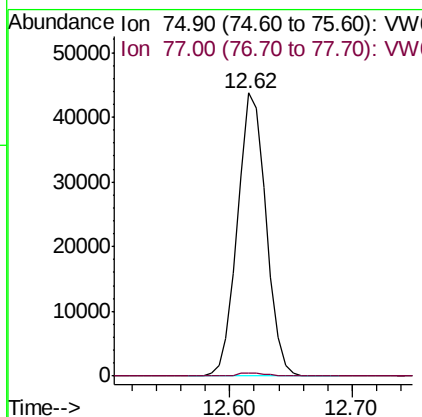
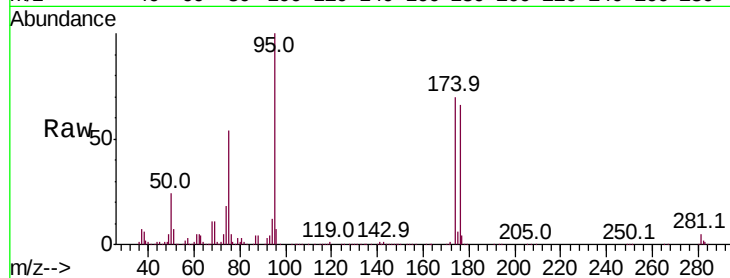
ClientSampleId :

Tot Ion: 75 Resp: 70682

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.747 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011850.D

Acq: 12 Aug 2019 14:24

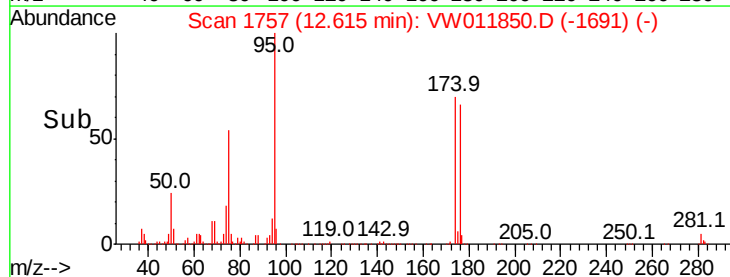
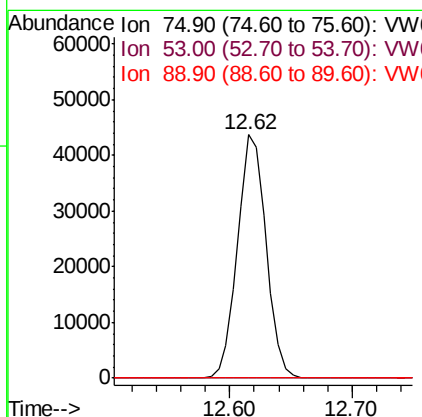
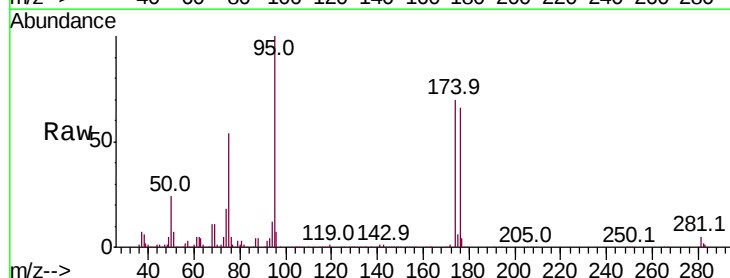
Tgt Ion: 75 Resp: 70682

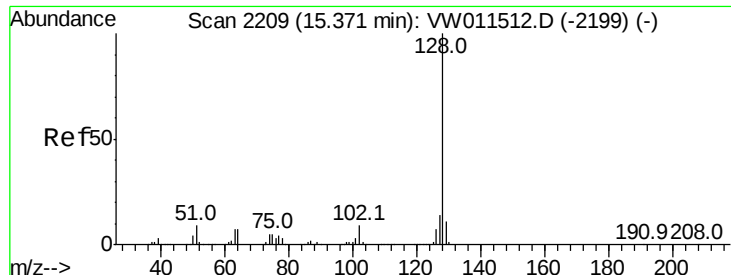
Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#





#95

Napthalene

Concen: 2.123 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

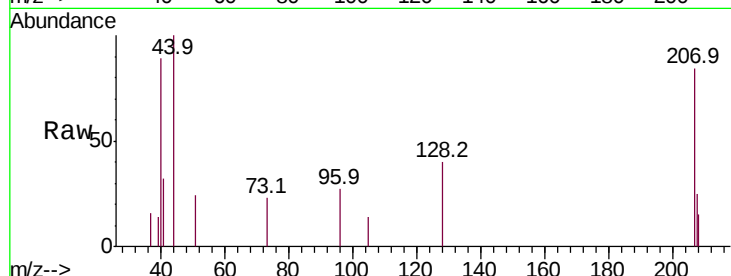
Lab File: VW011850.D

Acq: 12 Aug 2019 14:24

Instrument :

MSVOA_W

ClientSampleId :



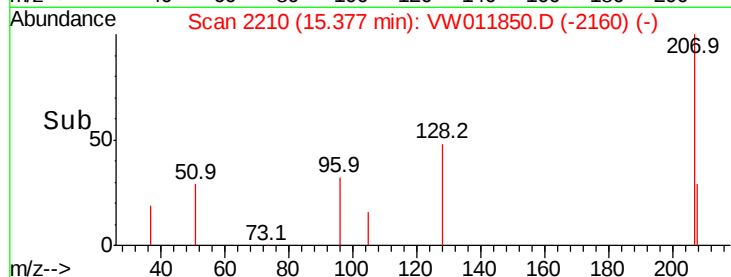
Tot Ion:128 Resp: 262

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

