

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\
 Data File : VW013715.D
 Acq On : 24 Oct 2019 17:10
 Operator : SY/VA
 Sample : K5501-04RE
 Misc : 7.91G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 25 07:59:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	253506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	387198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	109214	57.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.86%	
35) Dibromofluoromethane	7.88	113	115618	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
50) Toluene-d8	10.32	98	442530	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.62	95	126204	42.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.04%	

Target Compounds

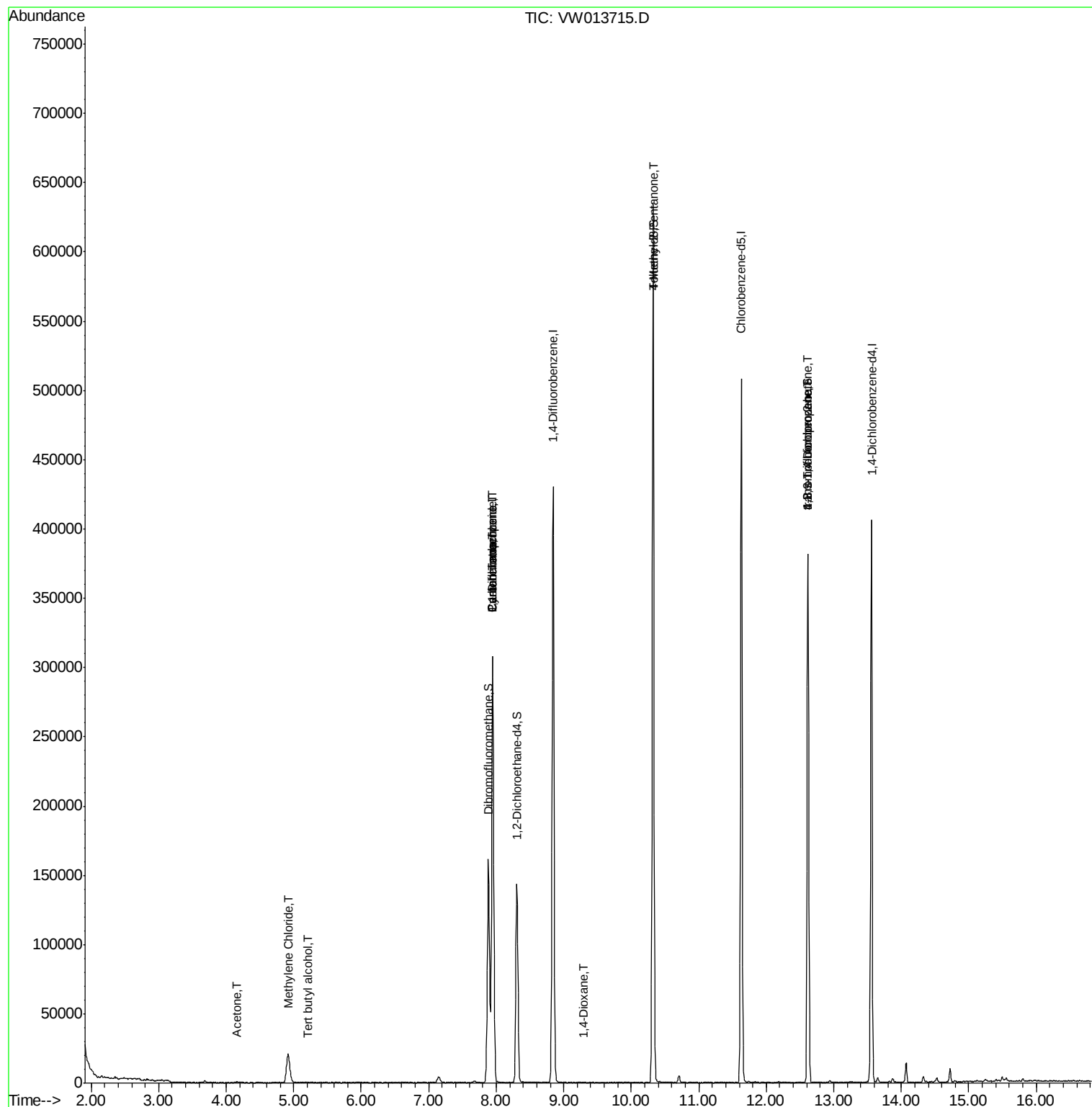
						Qvalue
11) Tert butyl alcohol	5.20	59	114	1.004	ug/l #	71
16) Acetone	4.16	43	1240	3.075	ug/l	89
20) Methylene Chloride	4.91	84	18385	3.910	ug/l #	88
31) Cyclohexane	7.95	56	4402	1.042	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	16065	4.455	ug/l #	48
38) Carbon Tetrachloride	7.95	117	21939	6.756	ug/l #	16
49) 1,4-Dioxane	9.29	88	25	1.430	ug/l #	13
51) 4-Methyl-2-Pentanone	10.32	43	1920	1.462	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	59344	68.776	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59344	129.977	ug/l #	14

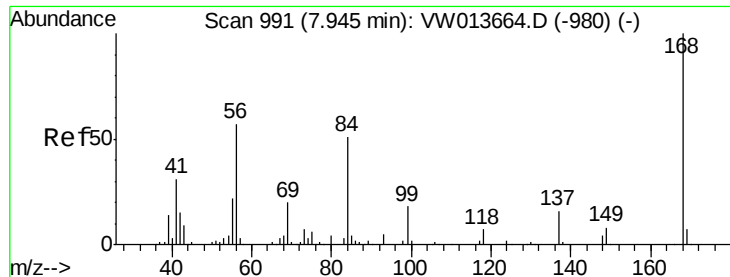
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 25 07:59:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 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: VW013715.D

Acq: 24 Oct 2019 17:10

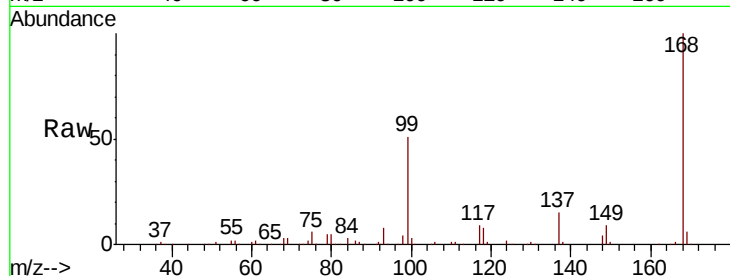
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 253506

Ion Ratio Lower Upper

168 100

99 50.6 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

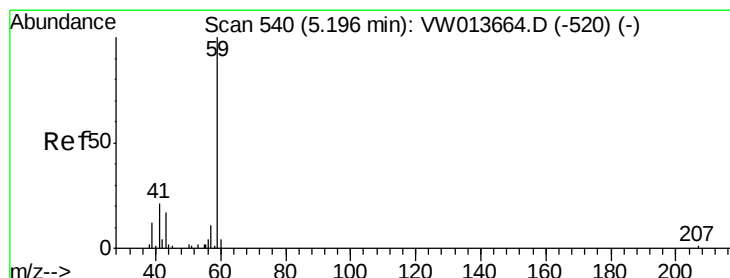
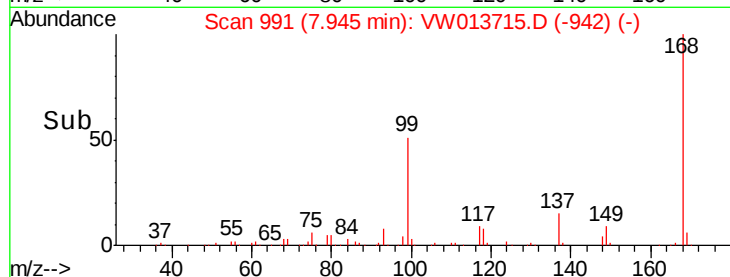
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.004 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.01 min

Lab File: VW013715.D

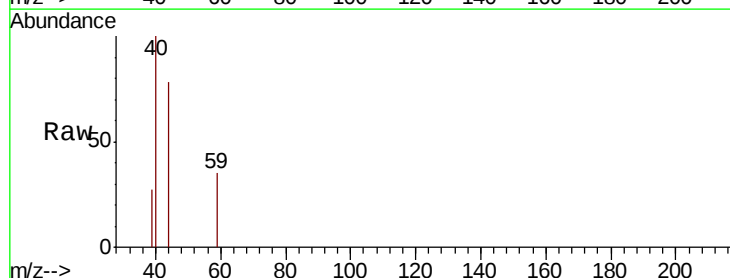
Acq: 24 Oct 2019 17:10

Tgt Ion: 59 Resp: 114

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

80

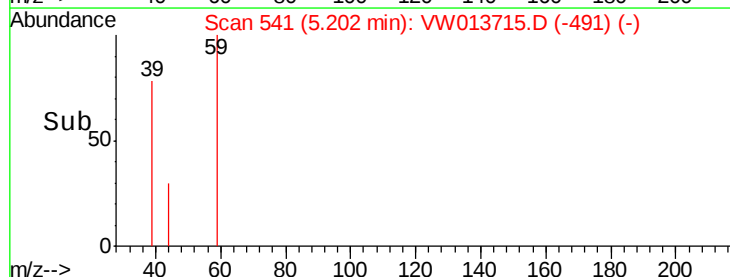
60

40

20

0

Time--> 5.16 5.18 5.20 5.22 5.24





#16

Acetone

Concen: 3.075 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.02 min

Lab File: VW013715.D

Acq: 24 Oct 2019 17:10

Instrument :

MSVOA_W

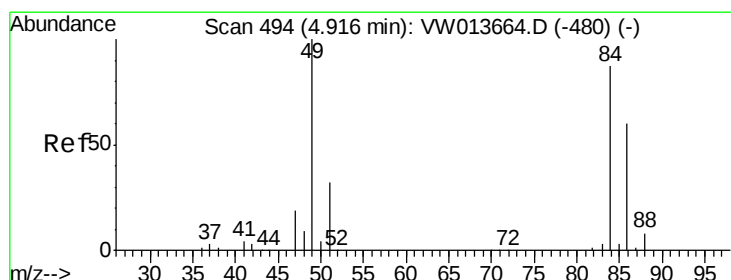
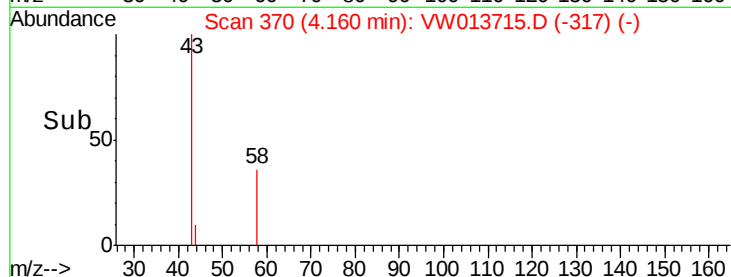
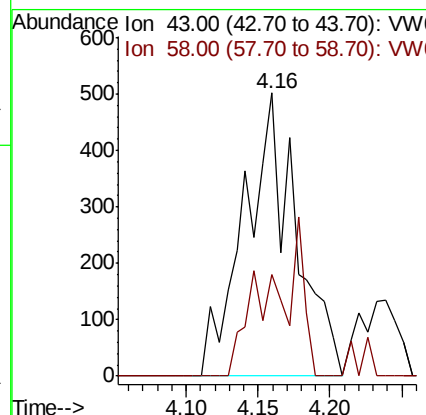
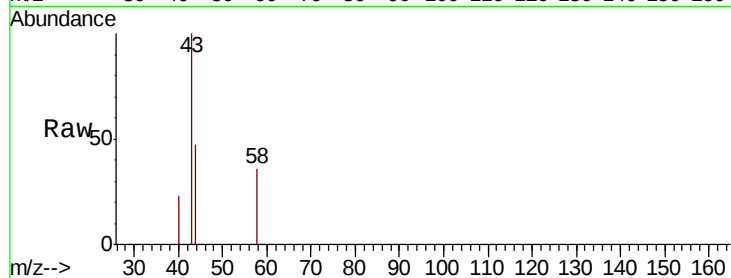
ClientSampleId :

Tot Ion: 43 Resp: 1240

Ion Ratio Lower Upper

43 100

58 35.9 24.1 36.1



#20

Methylene Chloride

Concen: 3.910 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013715.D

Acq: 24 Oct 2019 17:10

Tgt Ion: 84 Resp: 18385

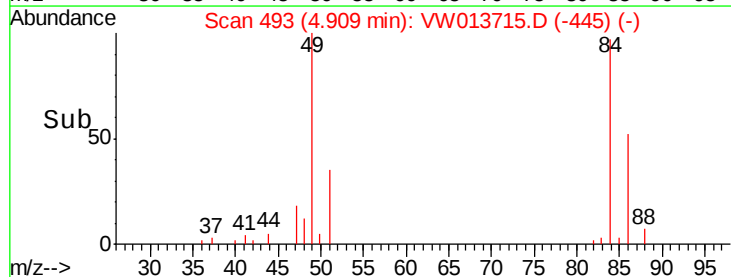
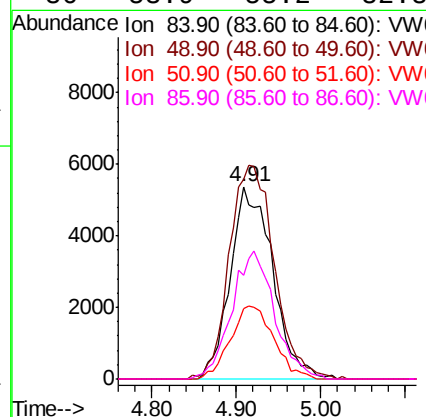
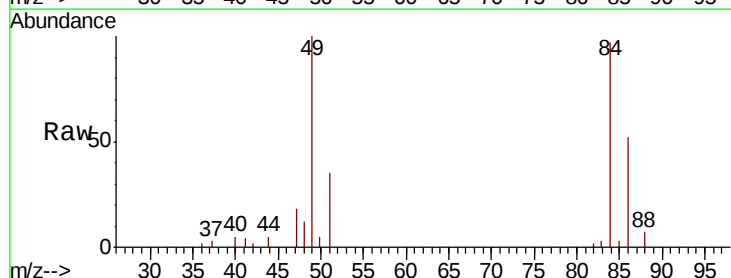
Ion Ratio Lower Upper

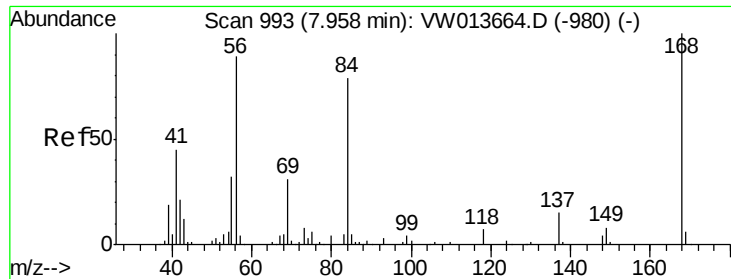
84 100

49 102.4 91.8 137.6

51 36.7 29.8 44.6

86 53.9 55.2 82.8#

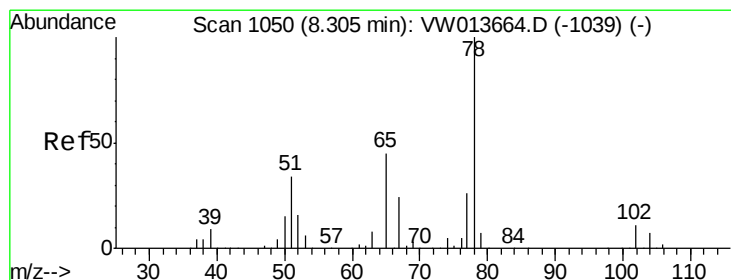
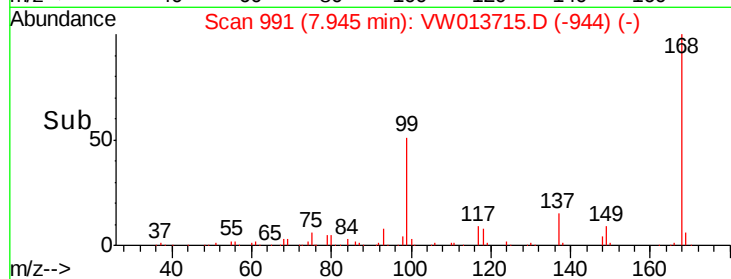
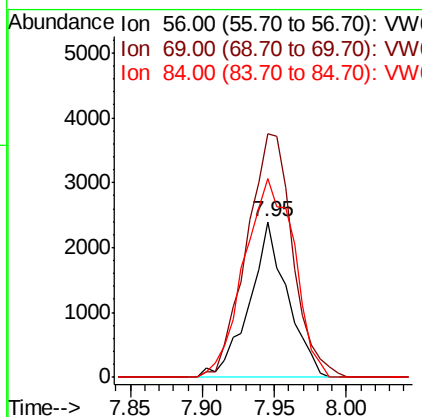
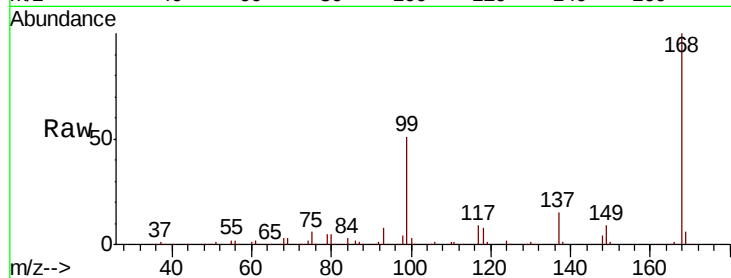




#31
Cyclohexane
Concen: 1.042 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013715.D
Acq: 24 Oct 2019 17:10

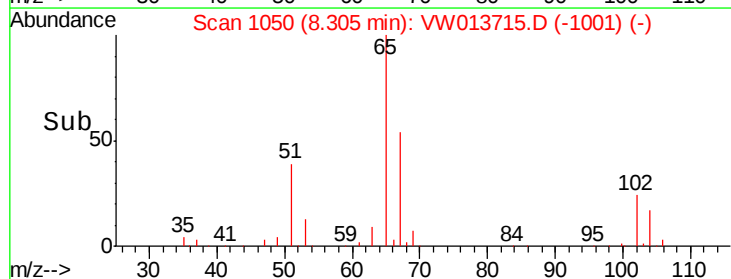
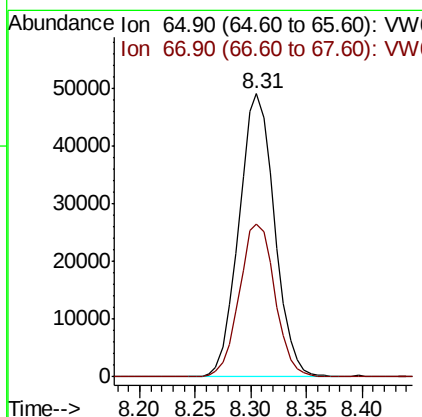
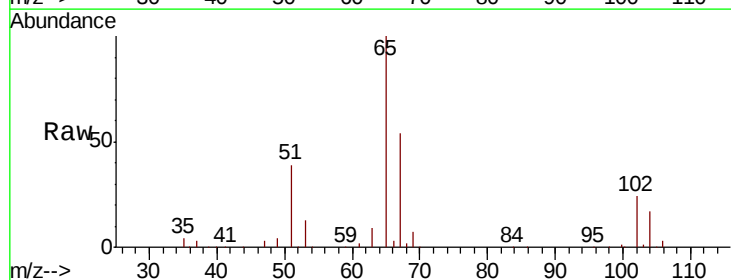
Instrument :
MSVOA_W
ClientSampleId :

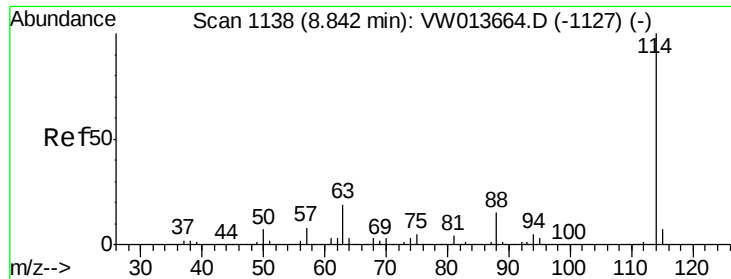
Tot Ion: 56 Resp: 4402
Ion Ratio Lower Upper
56 100
69 156.3 27.5 41.3#
84 127.8 70.8 106.2#



#33
1,2-Dichloroethane-d4
Concen: 57.429 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013715.D
Acq: 24 Oct 2019 17:10

Tgt Ion: 65 Resp: 109214
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.4

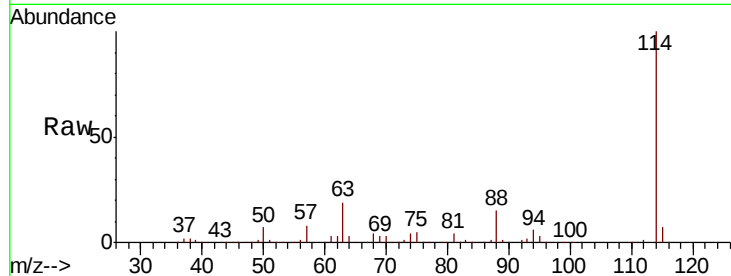




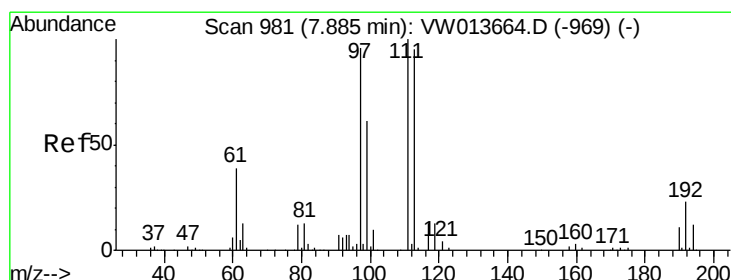
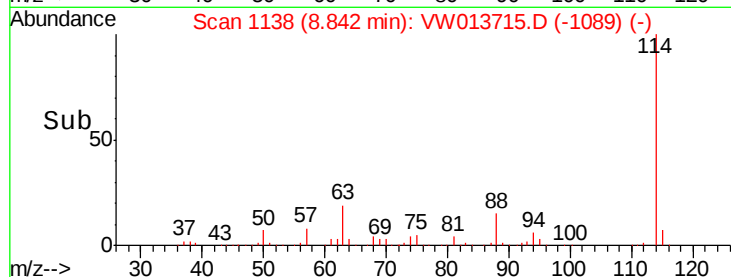
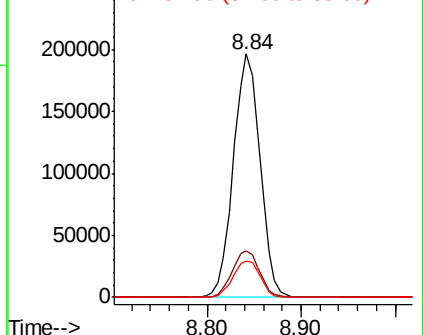
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013715.D
 Acq: 24 Oct 2019 17:10

Instrument :
 MSVOA_W
 ClientSampleID :

Tot Ion:114 Resp: 387198
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.6
 88 15.2 0.0 30.2

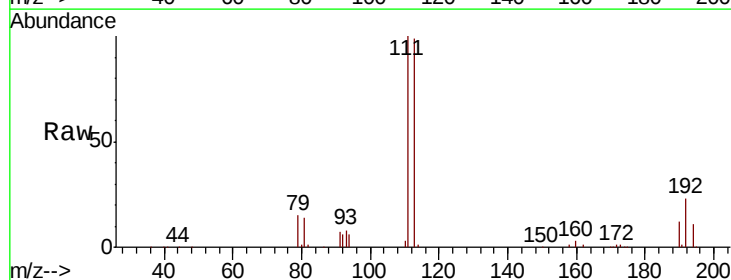


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

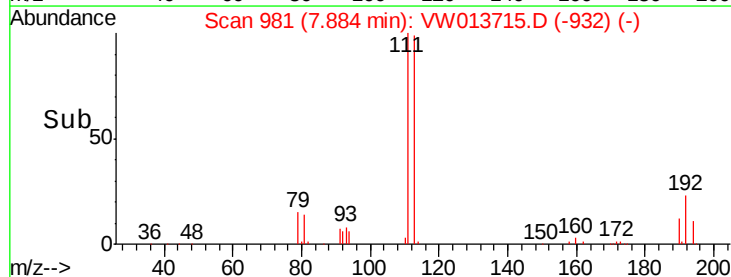
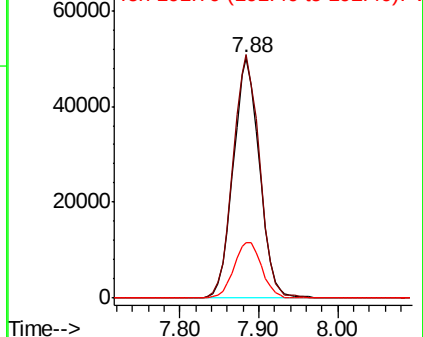


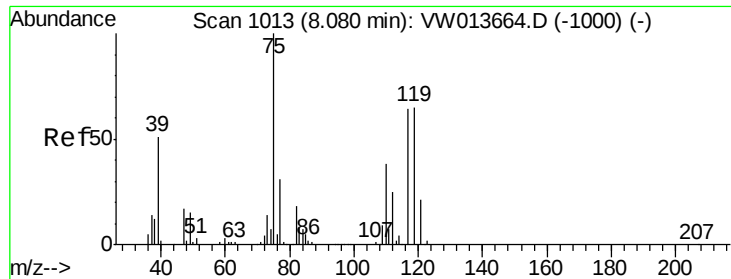
#35
 Dibromofluoromethane
 Concen: 53.739 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013715.D
 Acq: 24 Oct 2019 17:10

Tgt Ion:113 Resp: 115618
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.0 124.6
 192 24.4 19.4 29.2



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

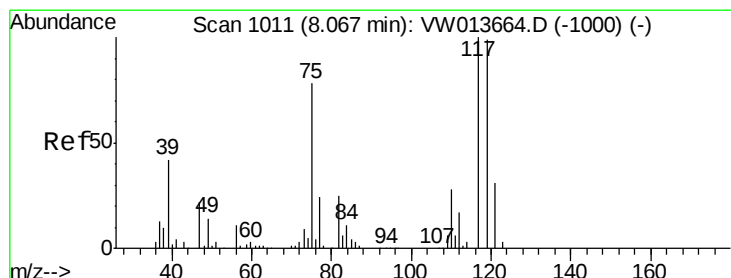
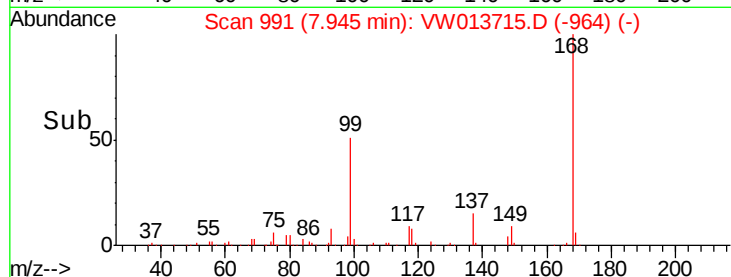
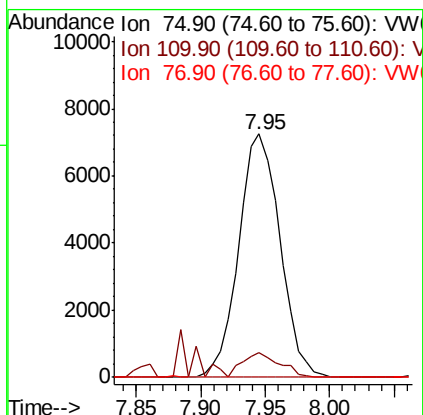
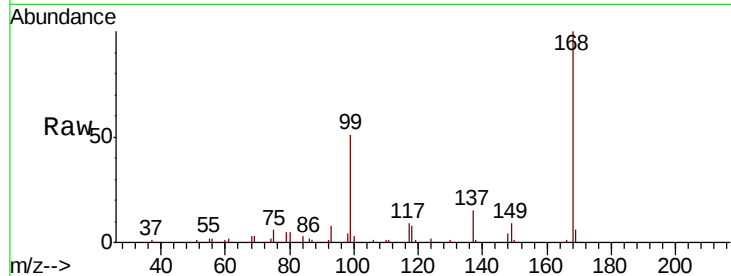




#36
 1,1-Dichloropropene
 Concen: 4.455 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013715.D
 Acq: 24 Oct 2019 17:10

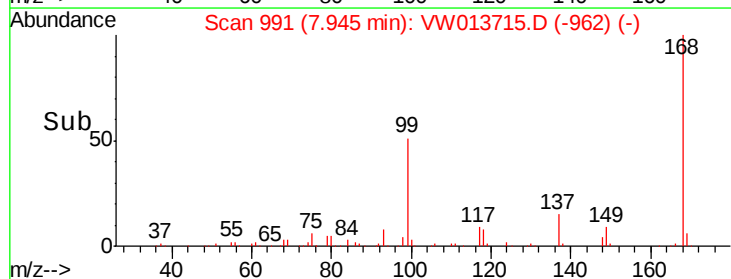
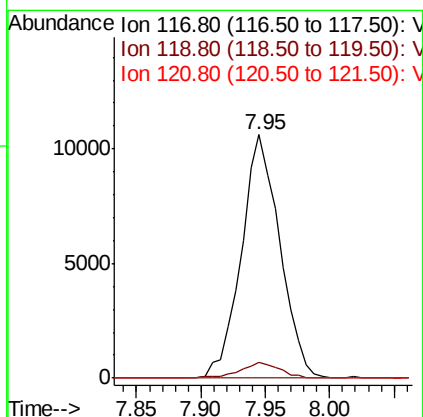
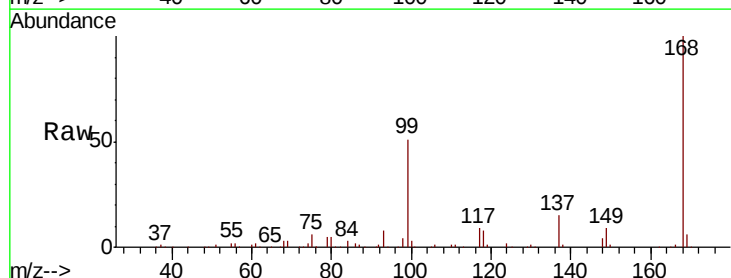
Instrument :
 MSVOA_W
 ClientSampled :

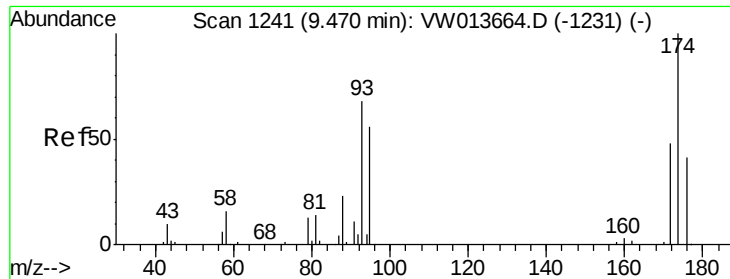
Tot Ion	75	Resp	16065
Ion Ratio	100	Lower	Upper
110	9.2	18.7	56.1#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.756 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013715.D
 Acq: 24 Oct 2019 17:10

Tgt Ion	117	Resp	21939
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	6.6	79.0	118.4#
121	0.0	24.5	36.7#

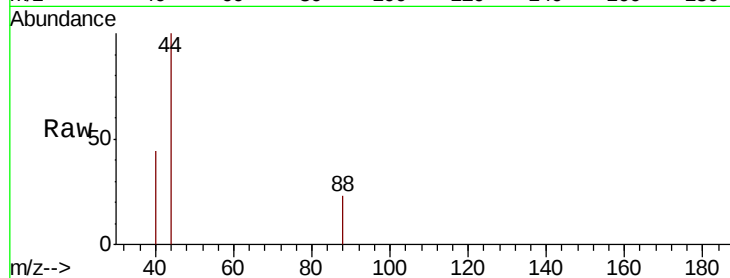




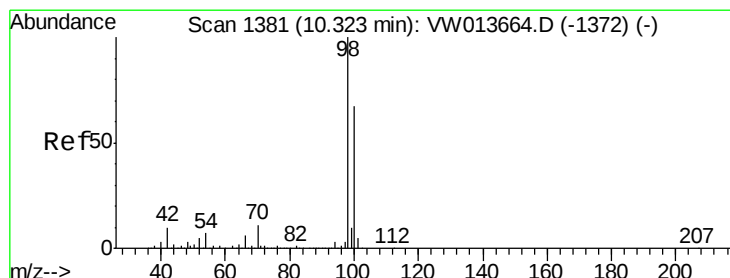
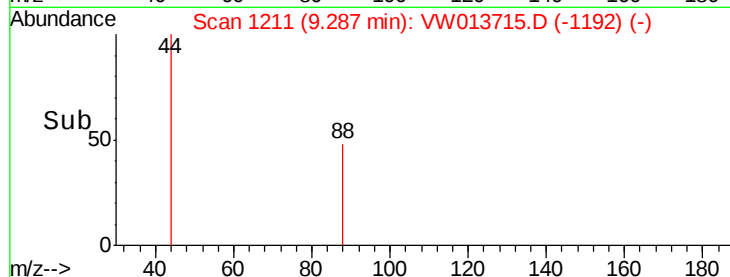
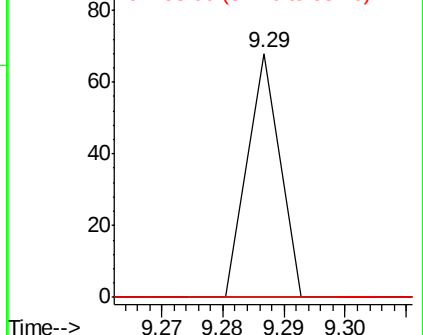
#49
 1,4-Dioxane
 Concen: 1.430 ug/l
 RT: 9.29 min Scan# 1211
 Delta R.T. -0.18 min
 Lab File: VW013715.D
 Acq: 24 Oct 2019 17:10

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 88 Resp: 25
 Ion Ratio Lower Upper
 88 100
 43 0.0 0.0 0.0
 58 0.0 58.9 88.3#

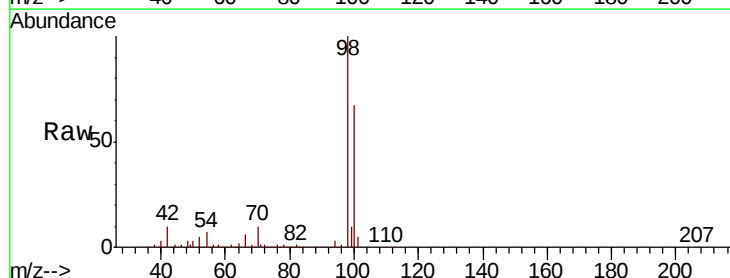


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

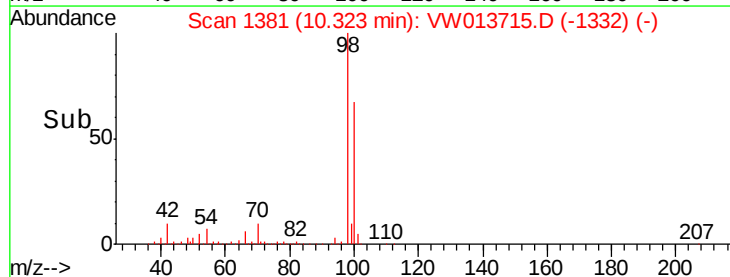
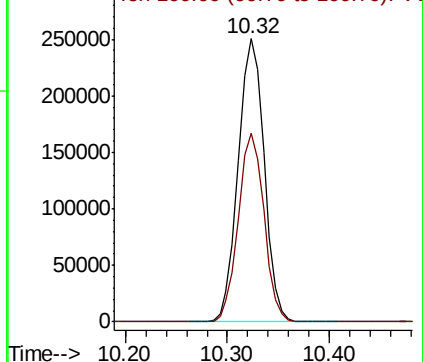


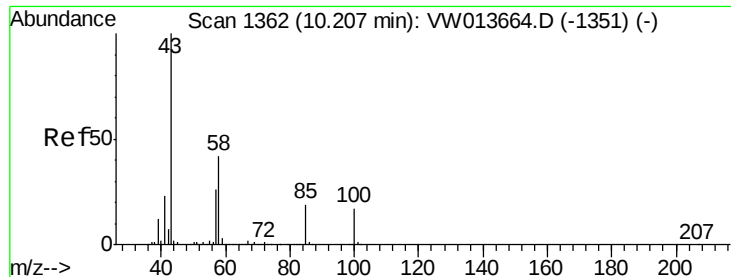
#50
 Toluene-d8
 Concen: 50.478 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013715.D
 Acq: 24 Oct 2019 17:10

Tgt Ion: 98 Resp: 442530
 Ion Ratio Lower Upper
 98 100
 100 65.8 53.4 80.0



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





#51

4-Methyl-2-Pentanone

Concen: 1.462 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013715.D

Acq: 24 Oct 2019 17:10

Instrument :

MSVOA_W

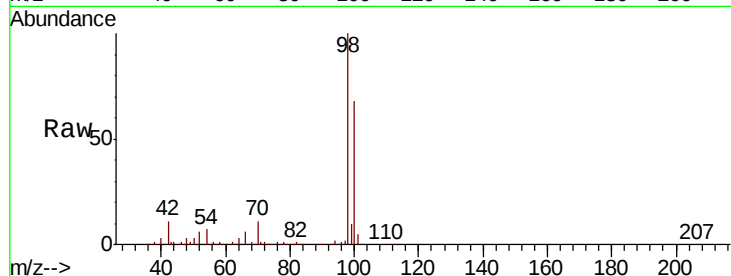
ClientSampleId :

Tot Ion: 43 Resp: 1920

Ion Ratio Lower Upper

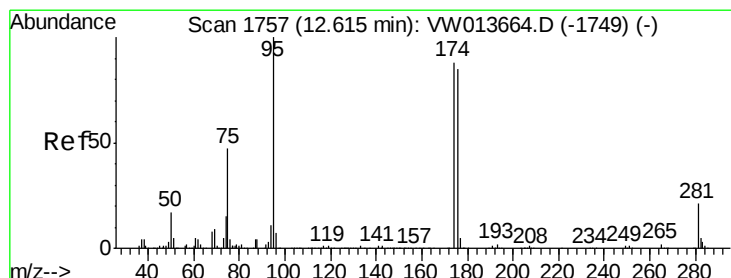
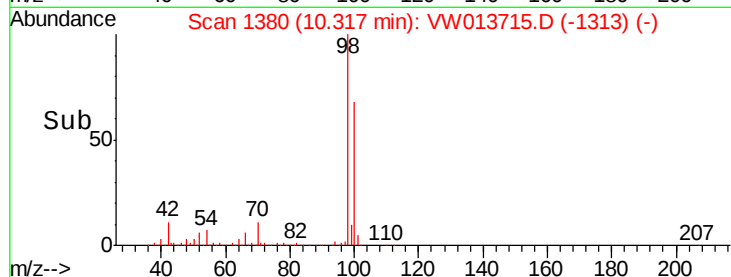
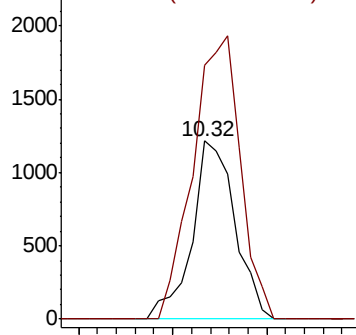
43 100

58 175.4 32.6 49.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 42.515 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013715.D

Acq: 24 Oct 2019 17:10

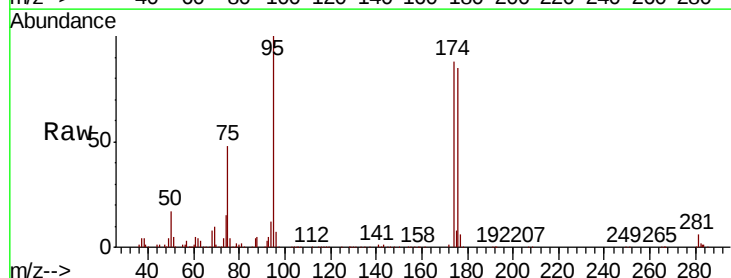
Tgt Ion: 95 Resp: 126204

Ion Ratio Lower Upper

95 100

174 91.2 0.0 183.6

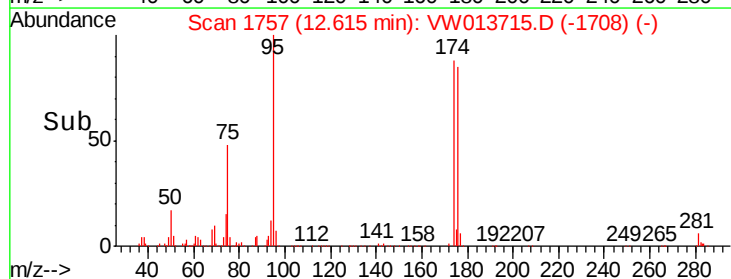
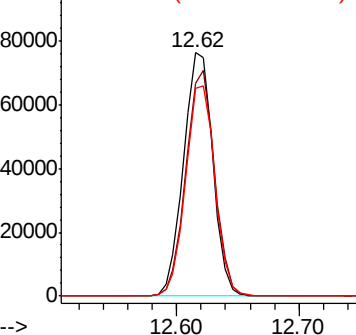
176 86.6 0.0 178.0

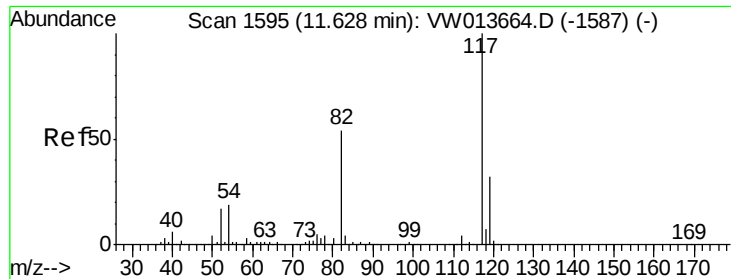


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

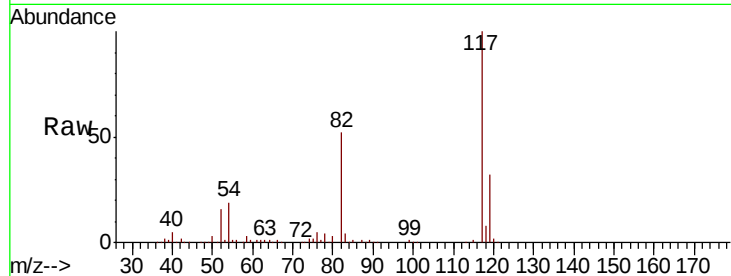




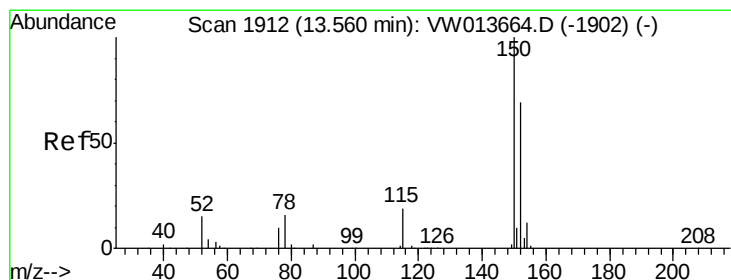
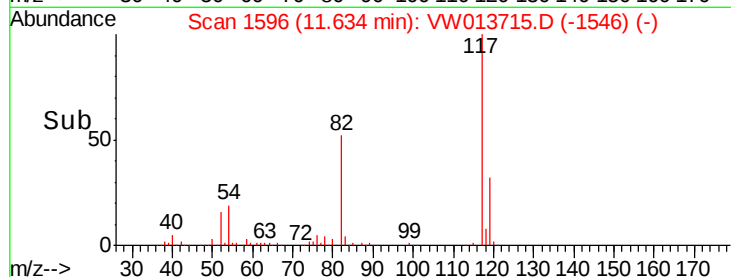
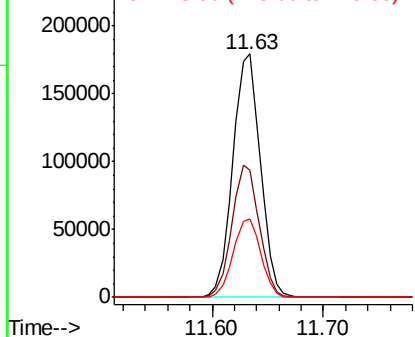
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013715.D
Acq: 24 Oct 2019 17:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 308223
Ion Ratio Lower Upper
117 100
82 52.2 43.6 65.4
119 32.3 25.4 38.2

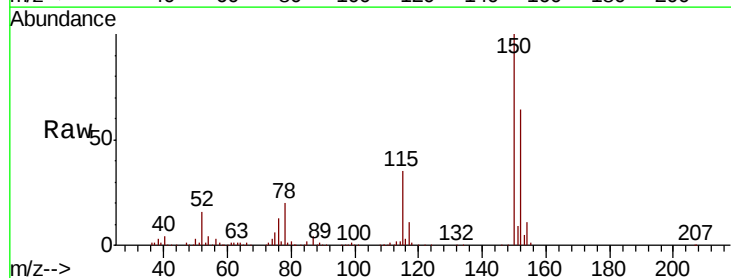


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

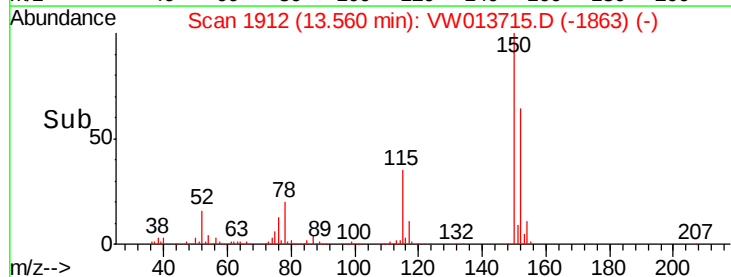
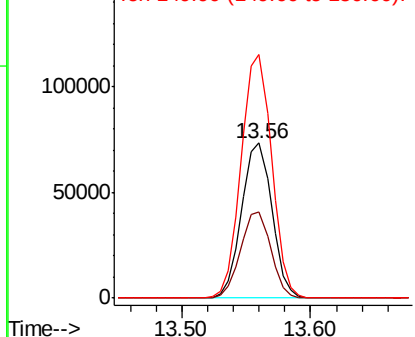


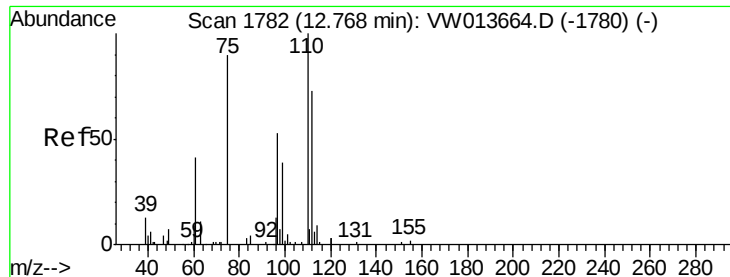
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013715.D
Acq: 24 Oct 2019 17:10

Tgt Ion:152 Resp: 120152
Ion Ratio Lower Upper
152 100
115 55.3 27.4 82.2
150 157.3 0.0 345.4



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: 68.776 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013715.D

Acq: 24 Oct 2019 17:10

Instrument :

MSVOA_W

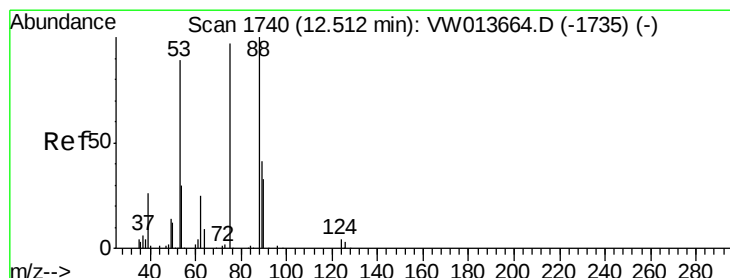
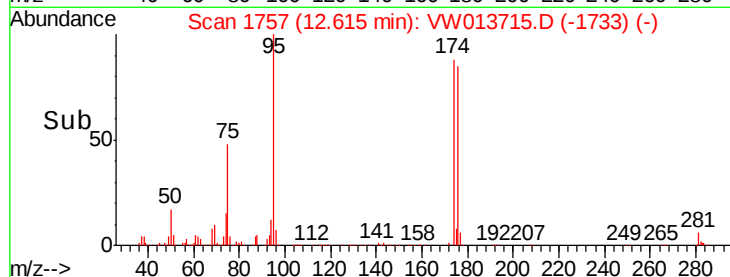
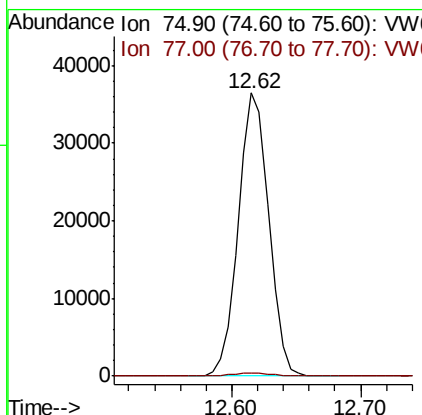
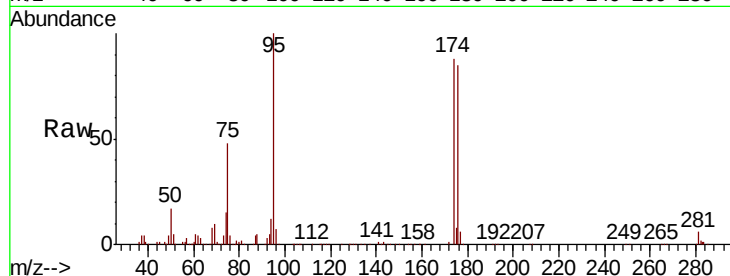
ClientSampleId :

Tot Ion: 75 Resp: 59344

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.977 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013715.D

Acq: 24 Oct 2019 17:10

Tgt Ion: 75 Resp: 59344

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.0 35.8 53.8#

