

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011545.D
 Acq On : 27 Jul 2019 04:45
 Operator : SY/VA
 Sample : K4021-05
 Misc : 10.28G/5.0ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-9

Quant Time: Jul 27 06:53:27 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	236494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393140	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124285	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	150440	55.40	ug/l	0.00
Spiked Amount						
			Recovery	=	110.80%	
35) Dibromofluoromethane	7.88	113	116644	52.89	ug/l	0.00
Spiked Amount						
			Recovery	=	105.78%	
50) Toluene-d8	10.32	98	472252	52.30	ug/l	0.00
Spiked Amount						
			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.62	95	146435	45.48	ug/l	0.00
Spiked Amount						
			Recovery	=	90.96%	

Target Compounds

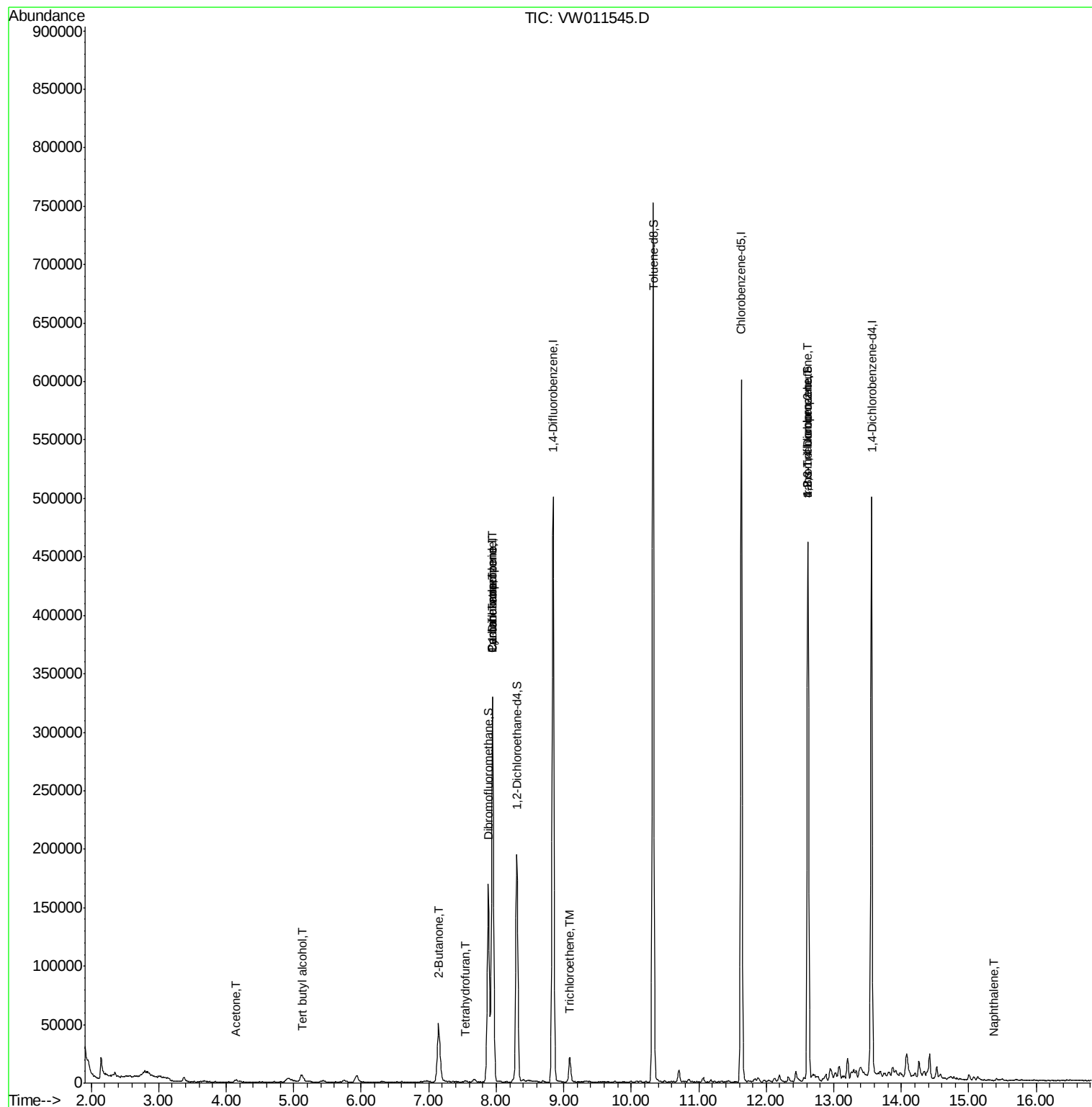
						Qvalue
11) Tert butyl alcohol	5.12	59	5782	11.866	ug/l #	77
16) Acetone	4.14	43	3872	4.482	ug/l	95
25) 2-Butanone	7.14	43	3274	2.896	ug/l #	73
29) Tetrahydrofuran	7.54	42	970	1.501	ug/l #	84
31) Cyclohexane	7.95	56	5815	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20482	5.010	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23544	6.728	ug/l #	18
44) Trichloroethene	9.09	130	6593	2.396	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	77750	59.122	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77750	136.256	ug/l #	7
95) Naphthalene	15.36	128	163	2.098	ug/l #	69

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

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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# 991

Delta R.T. -0.00 min

Lab File: VW011545.D

Acq: 27 Jul 2019 04:45

Instrument :

MSVOA_W

ClientSampleId :

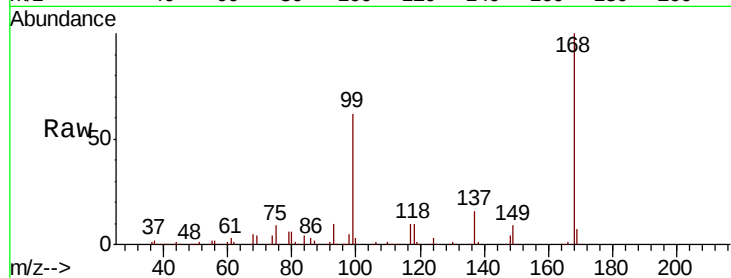
TP-9

Tot Ion:168 Resp: 236494

Ion Ratio Lower Upper

168 100

99 62.2 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

120000

100000

80000

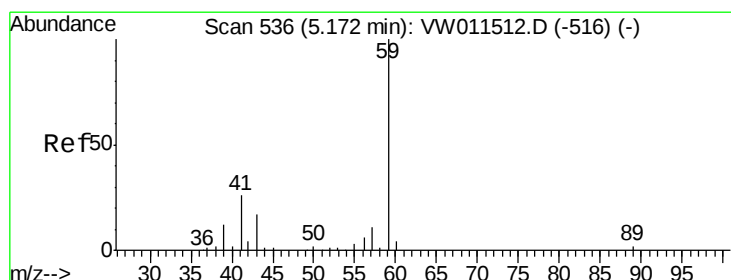
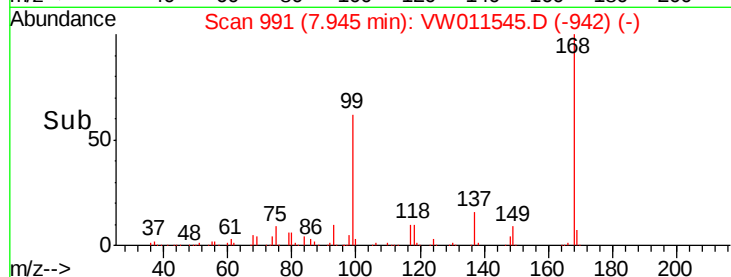
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 11.866 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW011545.D

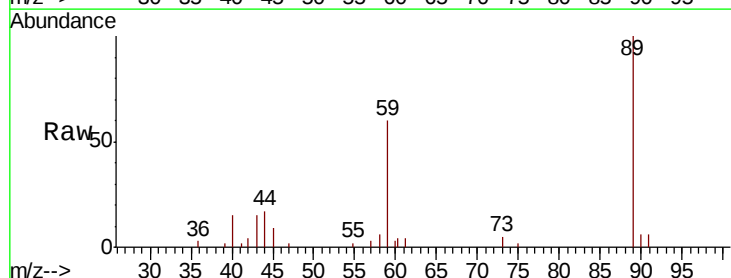
Acq: 27 Jul 2019 04:45

Tgt Ion: 59 Resp: 5782

Ion Ratio Lower Upper

59 100

57 2.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

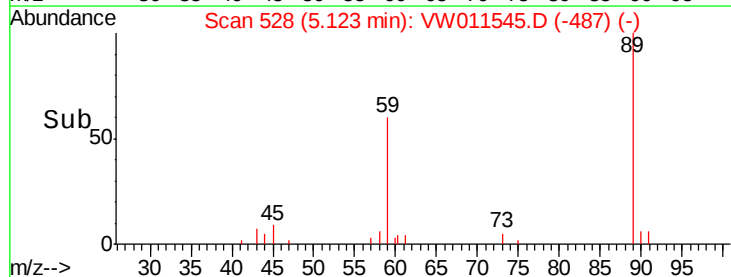
1500

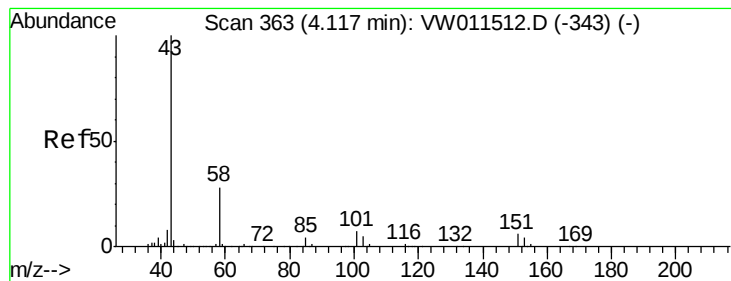
1000

500

0

Time-->





#16

Acetone

Concen: 4.482 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011545.D

Acq: 27 Jul 2019 04:45

Instrument :

MSVOA_W

ClientSampled :

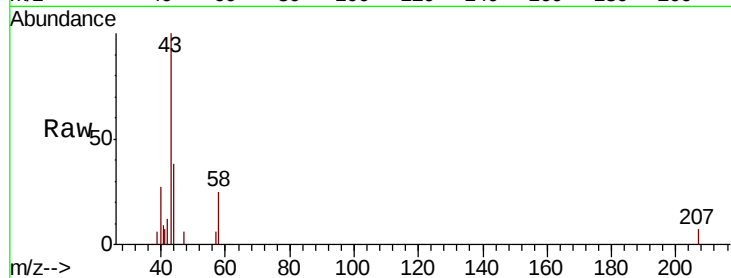
TP-9

Tot Ion: 43 Resp: 3872

Ion Ratio Lower Upper

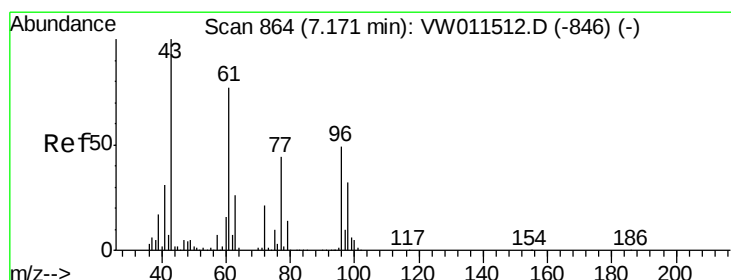
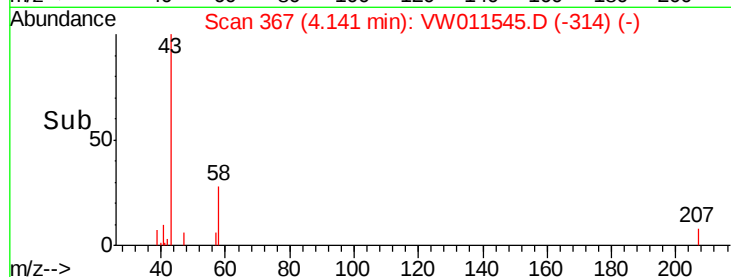
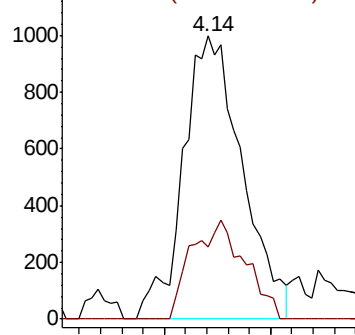
43 100

58 25.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 2.896 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011545.D

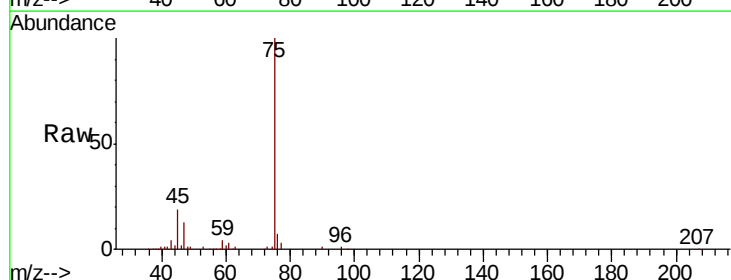
Acq: 27 Jul 2019 04:45

Tgt Ion: 43 Resp: 3274

Ion Ratio Lower Upper

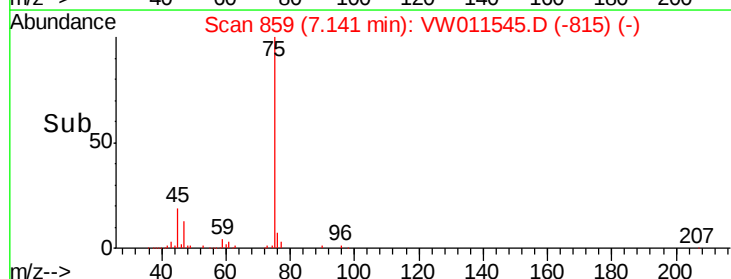
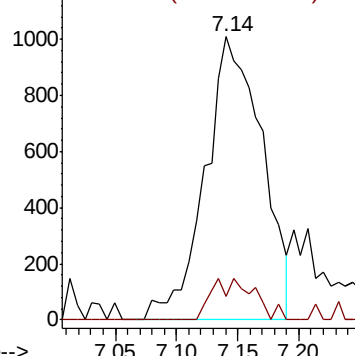
43 100

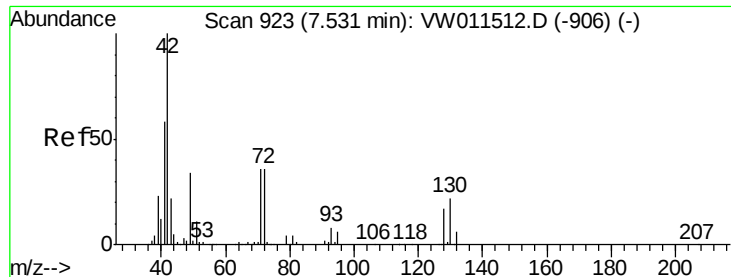
72 8.2 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

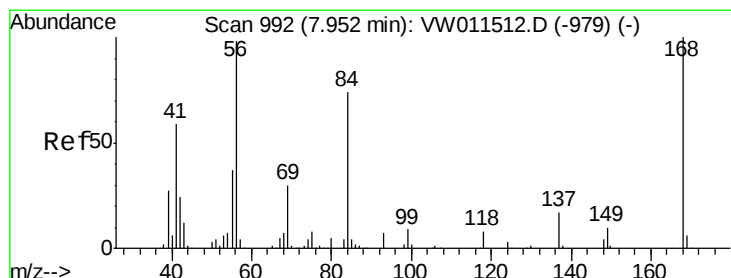
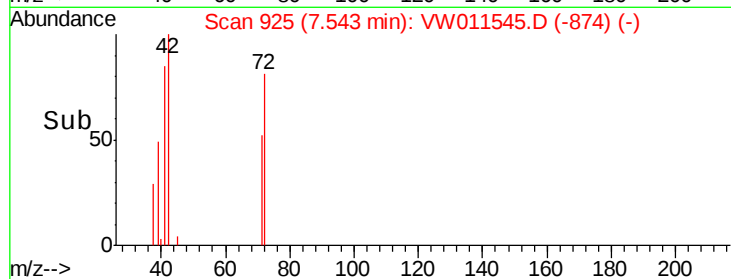
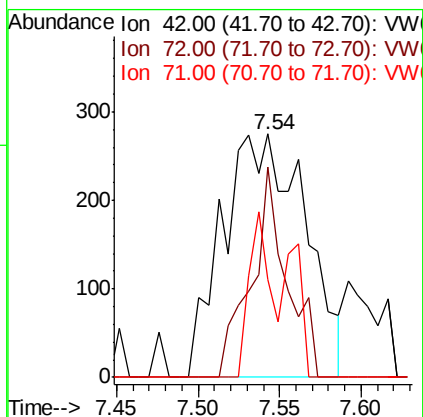
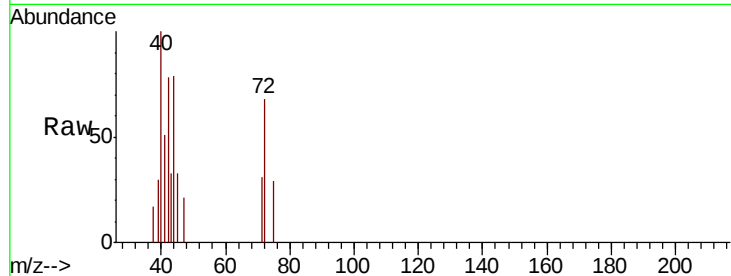




#29
Tetrahydrofuran
Concen: 1.501 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW011545.D
Acq: 27 Jul 2019 04:45

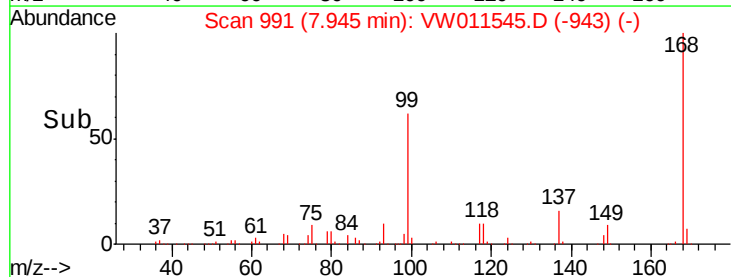
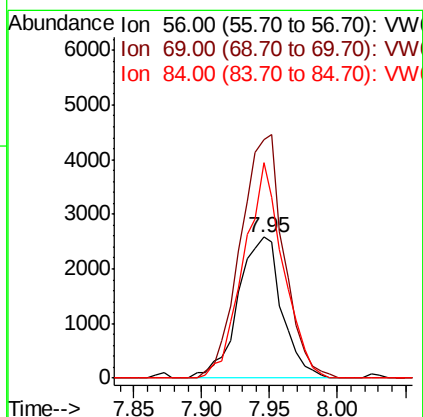
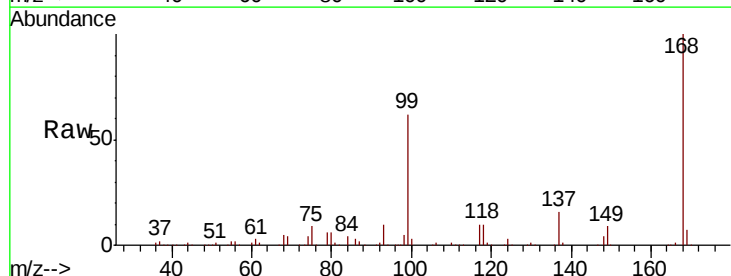
Instrument :
MSVOA_W
ClientSampled :
TP-9

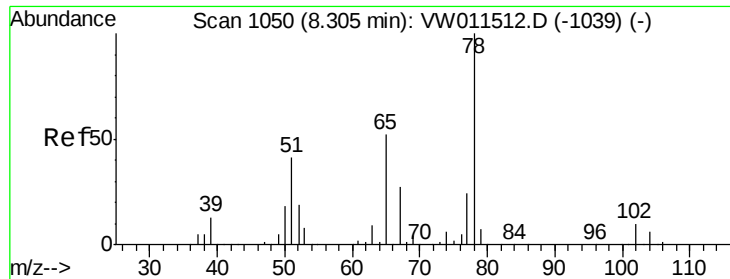
Tot Ion: 42 Resp: 970
Ion Ratio Lower Upper
42 100
72 37.2 27.1 40.7
71 17.9 26.2 39.4#



#31
Cyclohexane
Concen: 1.145 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011545.D
Acq: 27 Jul 2019 04:45

Tgt Ion: 56 Resp: 5815
Ion Ratio Lower Upper
56 100
69 168.9 24.3 36.5#
84 152.9 60.4 90.6#

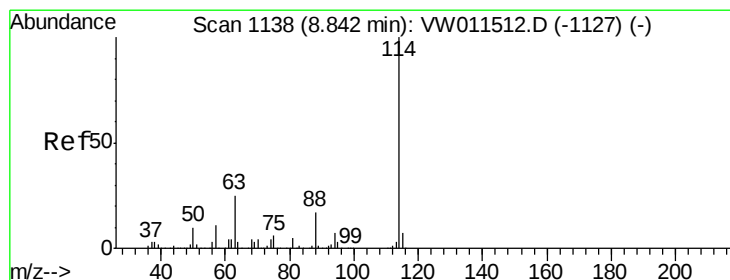
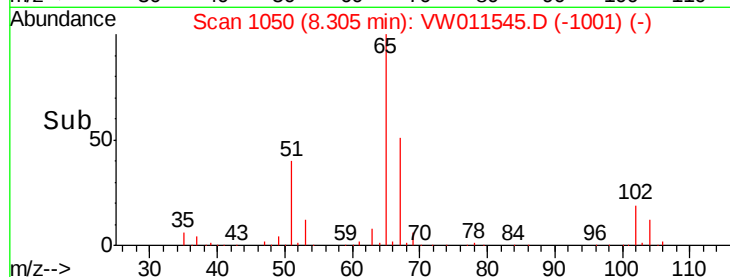
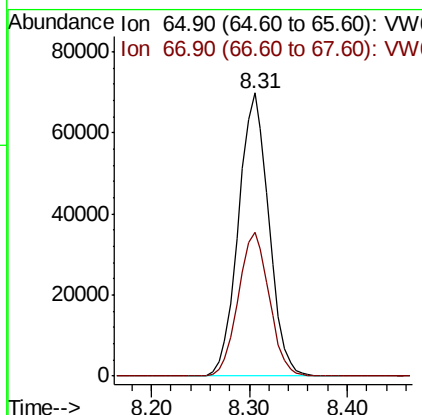
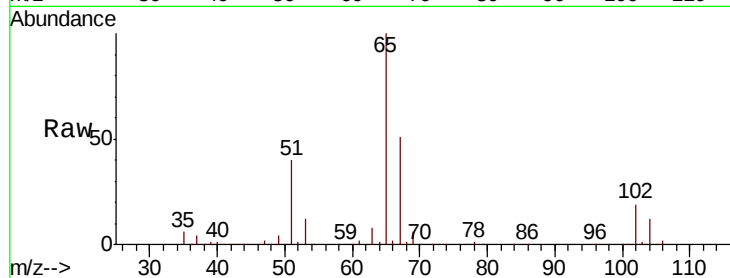




#33
 1,2-Dichloroethane-d4
 Concen: 55.398 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011545.D
 Acq: 27 Jul 2019 04:45

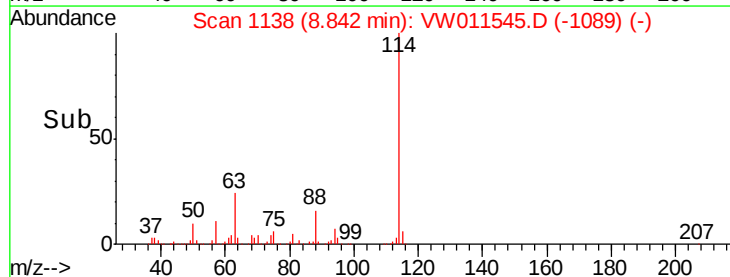
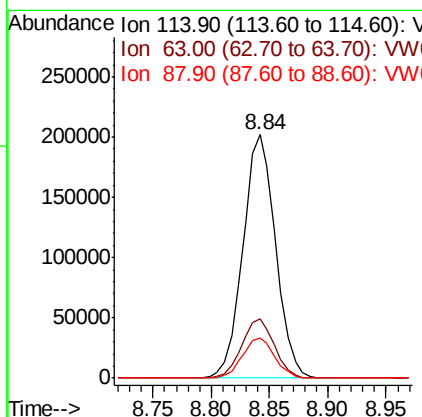
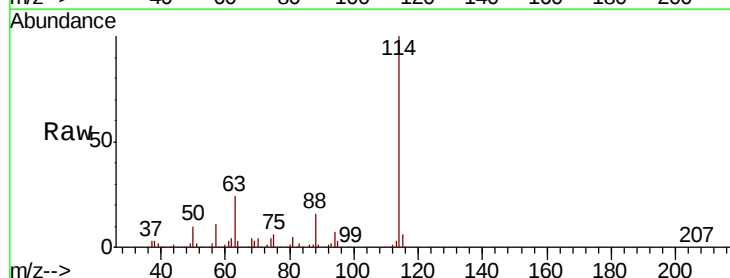
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-9

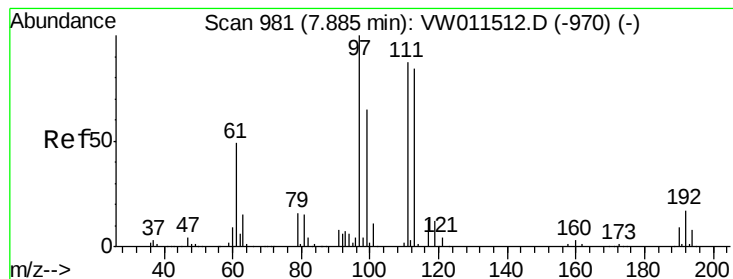
Tot Ion: 65 Resp: 150440
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011545.D
 Acq: 27 Jul 2019 04:45

Tgt Ion: 114 Resp: 393140
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.886 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011545.D

Acq: 27 Jul 2019 04:45

Instrument :

MSVOA_W

ClientSampleId :

TP-9

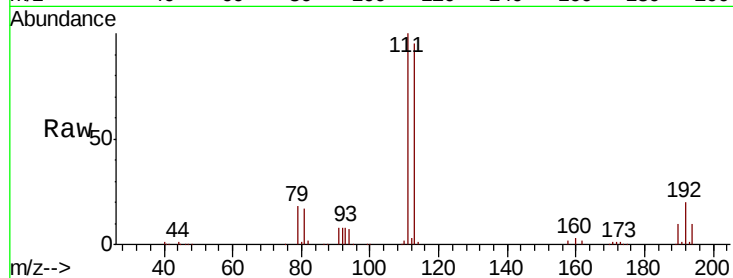
Tot Ion:113 Resp: 116644

Ion Ratio Lower Upper

113 100

111 105.5 82.7 124.1

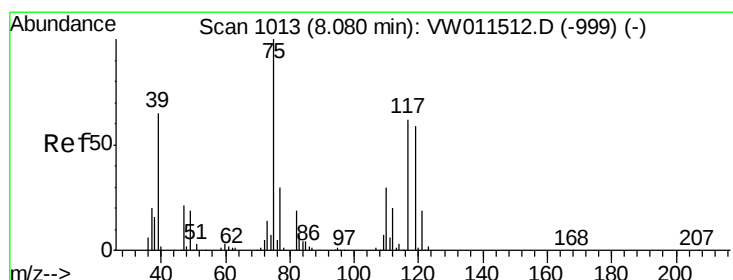
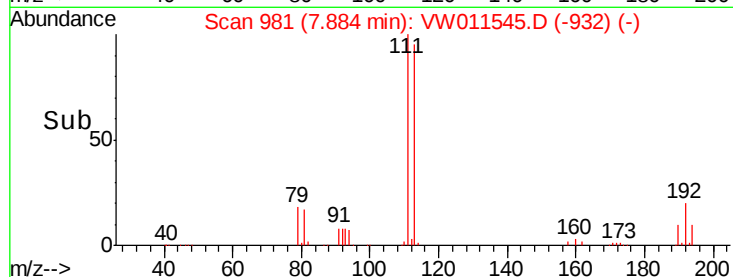
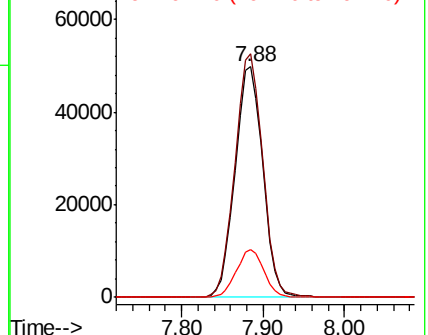
192 20.2 16.1 24.1



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: 5.010 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011545.D

Acq: 27 Jul 2019 04:45

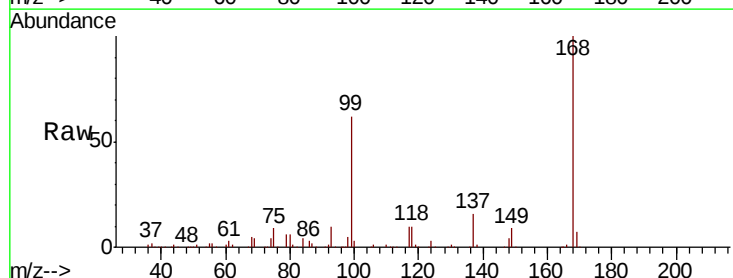
Tgt Ion: 75 Resp: 20482

Ion Ratio Lower Upper

75 100

110 7.9 15.6 46.8#

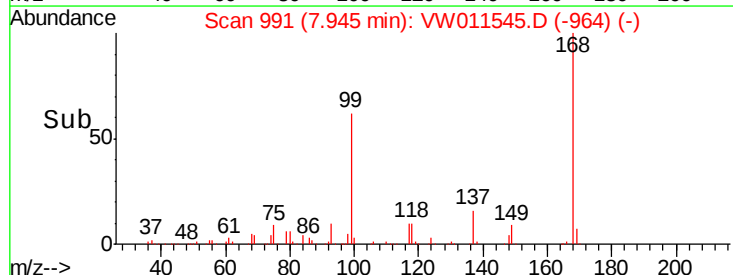
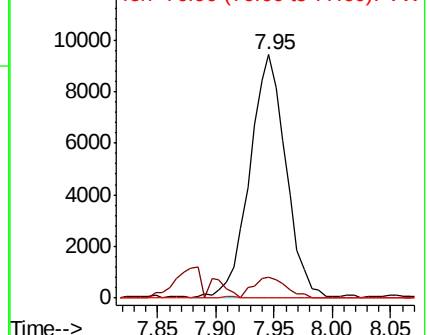
77 0.0 24.3 36.5#

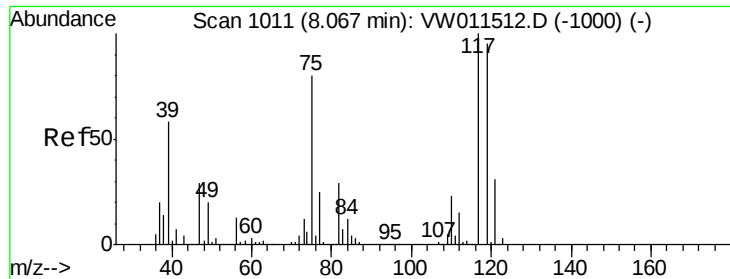


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.728 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011545.D

Acq: 27 Jul 2019 04:45

Instrument :

MSVOA_W

ClientSampleId :

TP-9

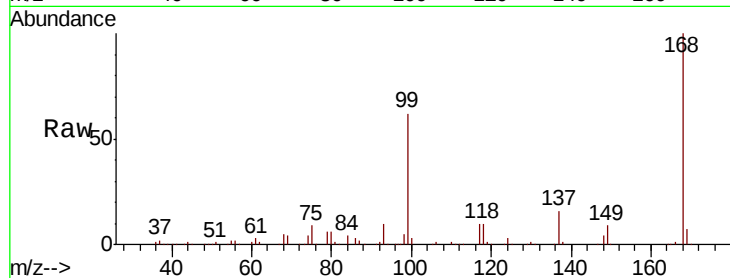
Tot Ion:117 Resp: 23544

Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.6#

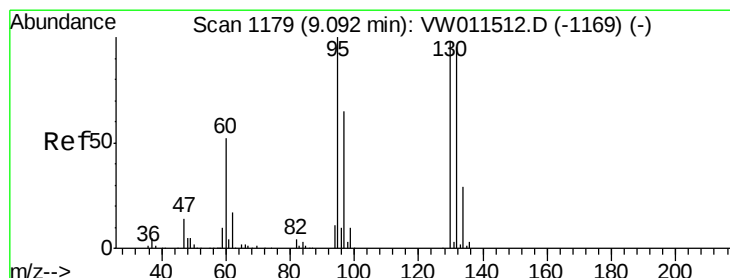
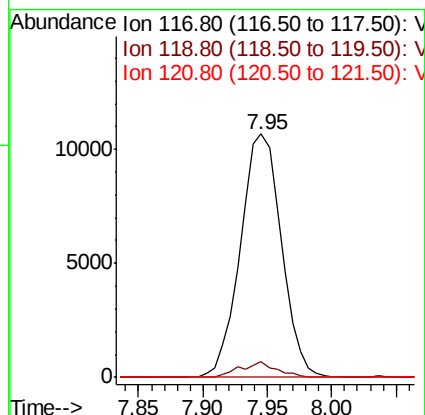
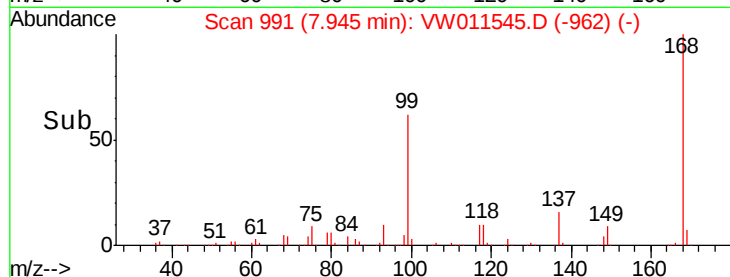
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 2.396 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011545.D

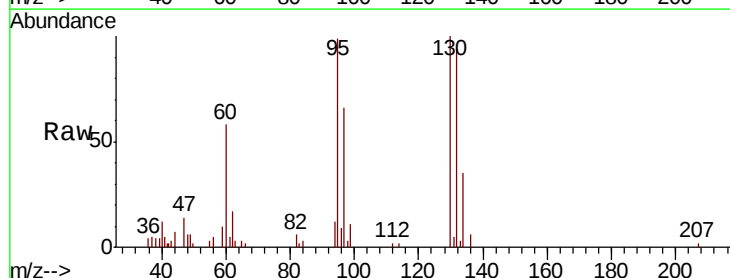
Acq: 27 Jul 2019 04:45

Tgt Ion:130 Resp: 6593

Ion Ratio Lower Upper

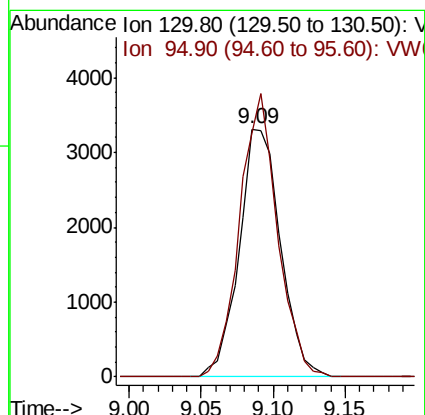
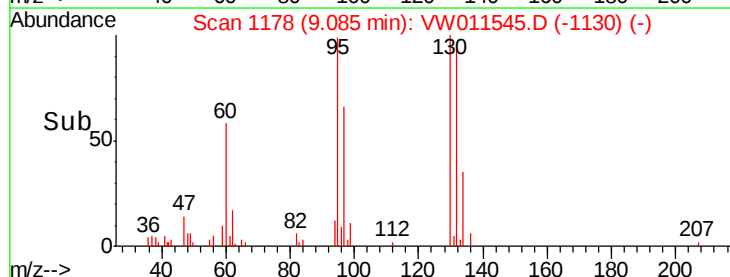
130 100

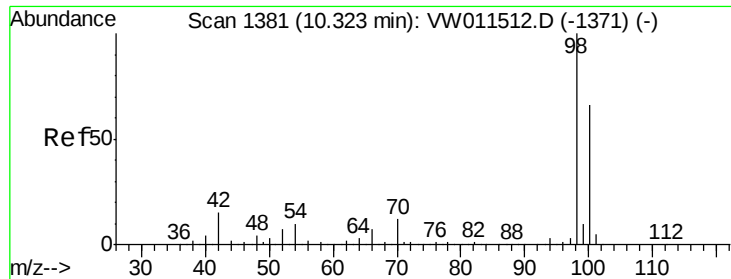
95 98.5 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VV





#50

Toluene-d8

Concen: 52.296 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011545.D

Acq: 27 Jul 2019 04:45

Instrument :

MSVOA_W

ClientSampleId :

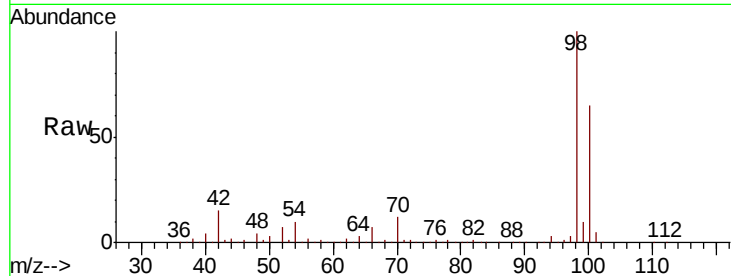
TP-9

Tot Ion: 98 Resp: 472252

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

300000

250000

200000

150000

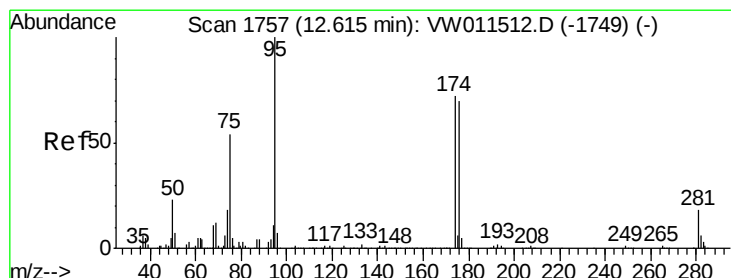
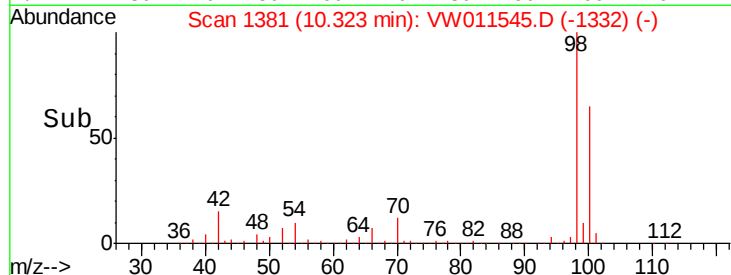
100000

50000

0

10.20 10.30 10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 45.484 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011545.D

Acq: 27 Jul 2019 04:45

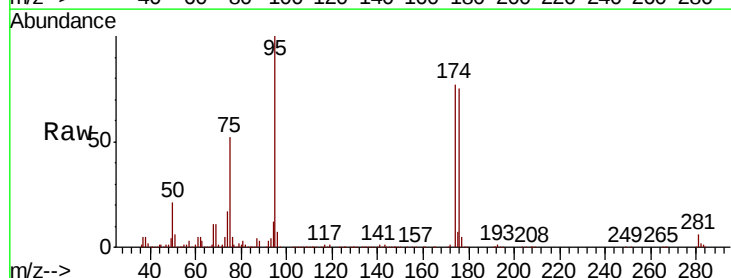
Tgt Ion: 95 Resp: 146435

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

176 73.5 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

120000

100000

80000

60000

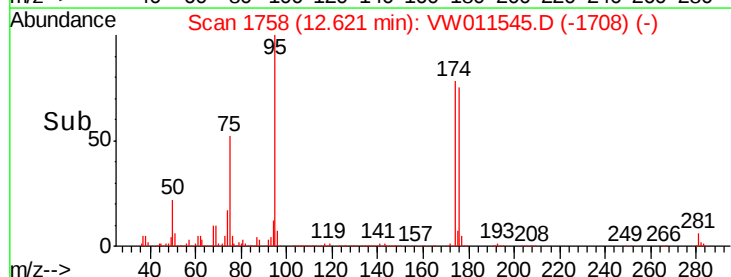
40000

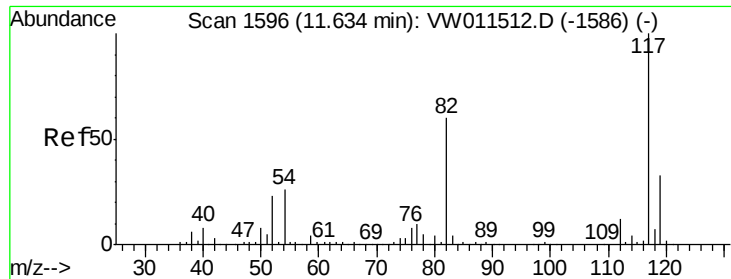
20000

0

12.55 12.60 12.65 12.70

Time-->

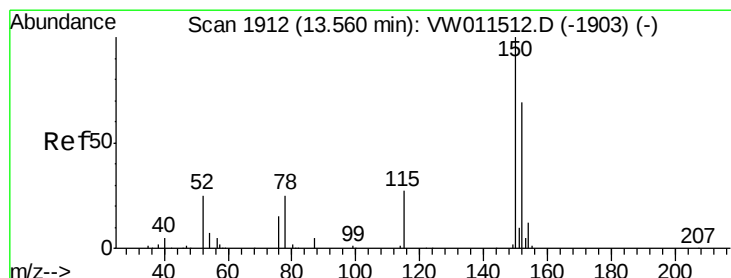
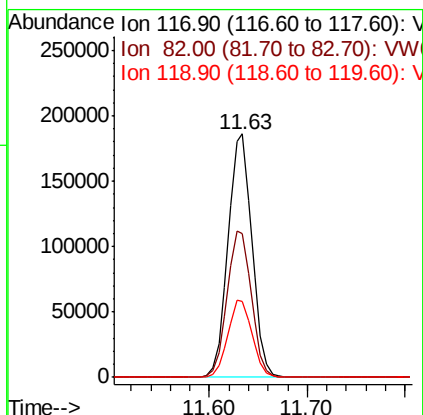
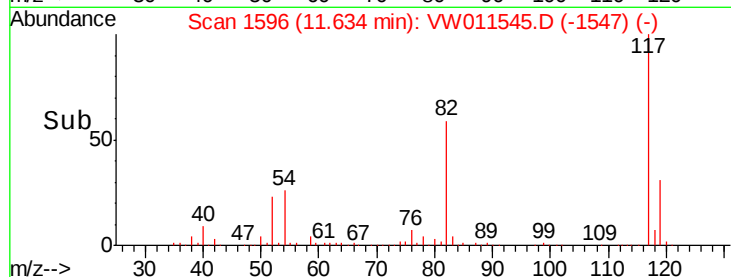
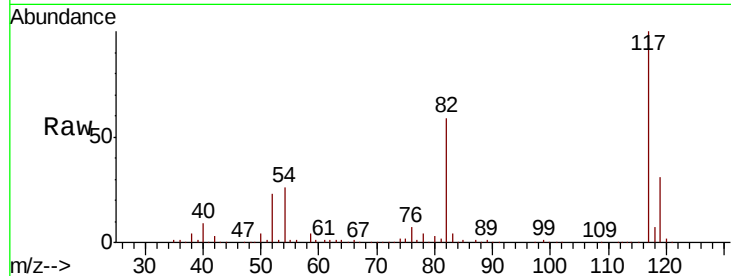




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011545.D
Acq: 27 Jul 2019 04:45

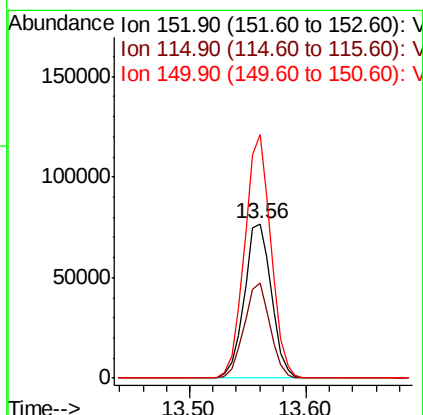
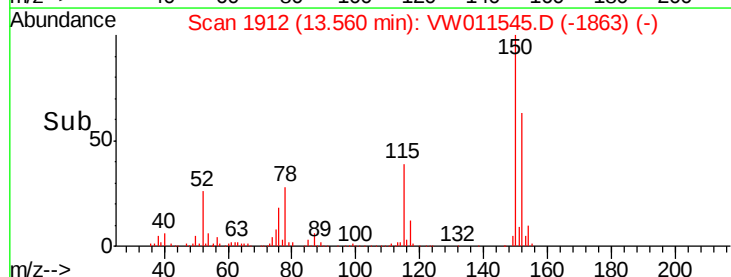
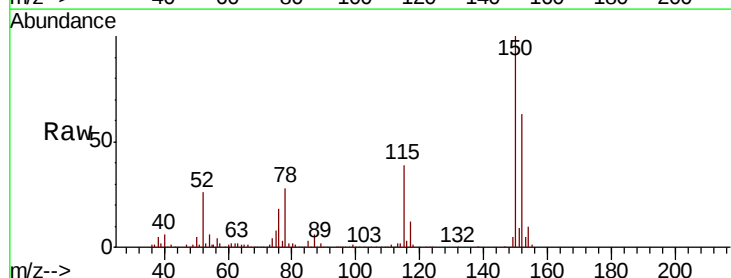
Instrument :
MSVOA_W
ClientSampleId :
TP-9

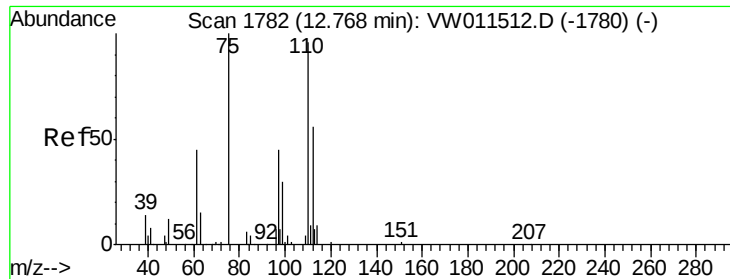
Tot Ion:117 Resp: 314863
Ion Ratio Lower Upper
117 100
82 59.0 47.9 71.9
119 31.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011545.D
Acq: 27 Jul 2019 04:45

Tgt Ion:152 Resp: 124285
Ion Ratio Lower Upper
152 100
115 59.4 30.5 91.5
150 153.7 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 59.122 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011545.D

Acq: 27 Jul 2019 04:45

Instrument :

MSVOA_W

ClientSampled :

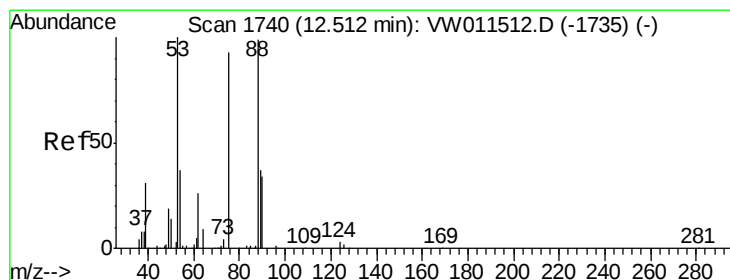
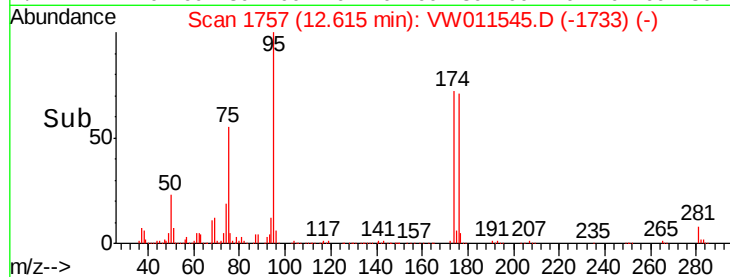
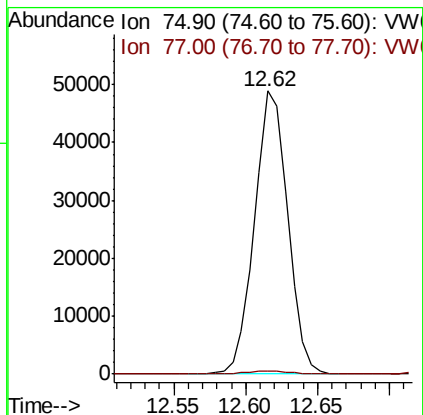
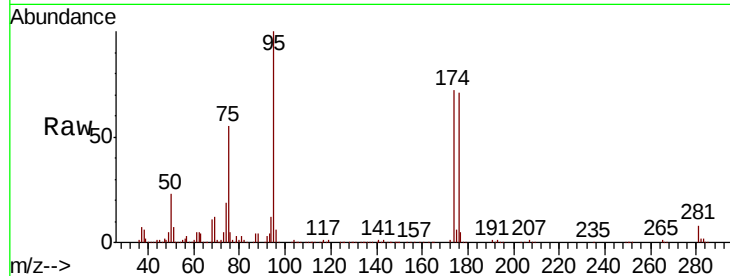
TP-9

Tot Ion: 75 Resp: 77750

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 136.256 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011545.D

Acq: 27 Jul 2019 04:45

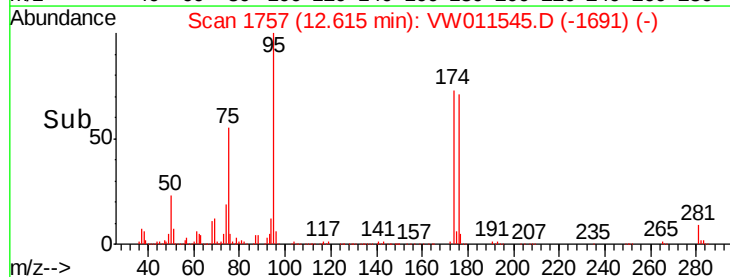
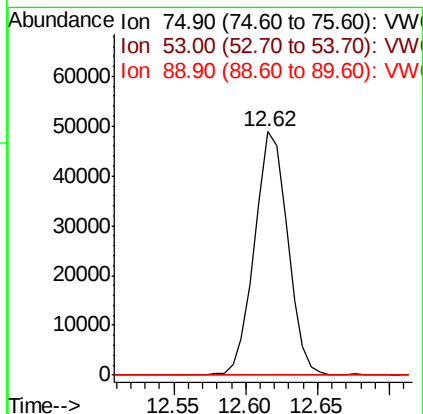
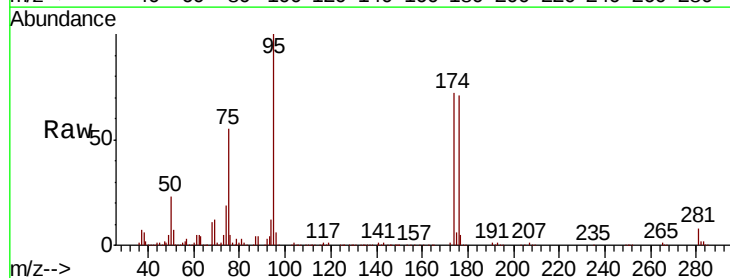
Tgt Ion: 75 Resp: 77750

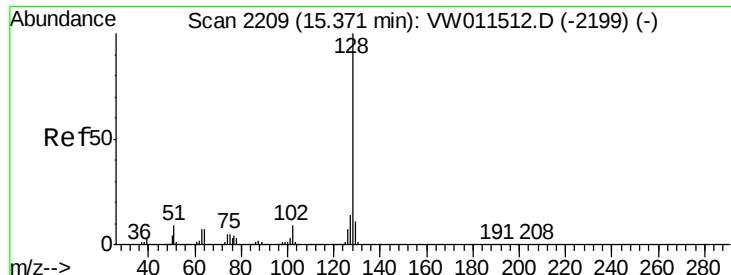
Ion Ratio Lower Upper

75 100

53 0.5 88.0 132.0#

89 0.1 35.3 52.9#





#95

Naphthalene

Concen: 2.098 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011545.D

Acq: 27 Jul 2019 04:45

Instrument :

MSVOA_W

ClientSampleId :

TP-9

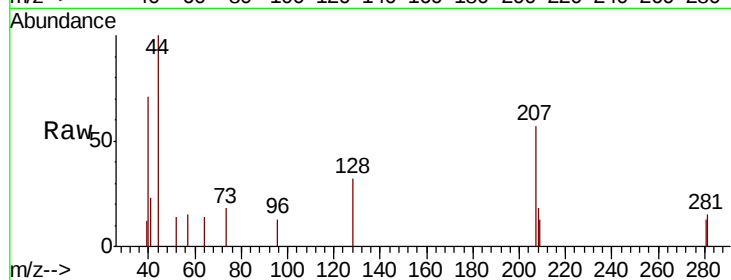
Tot Ion:128 Resp: 163

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

