

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011549.D
 Acq On : 27 Jul 2019 06:29
 Operator : SY/VA
 Sample : K4024-05
 Misc : 9.85G/5.0ML/MSVOA W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6-A

Quant Time: Jul 29 01:10:00 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	263010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	435125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	362273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144902	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	177383	58.73	ug/l	0.00
Spiked Amount			Recovery	=	117.46%	
35) Dibromofluoromethane	7.88	113	134902	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	
50) Toluene-d8	10.32	98	532862	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
62) 4-Bromofluorobenzene	12.62	95	169336	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	

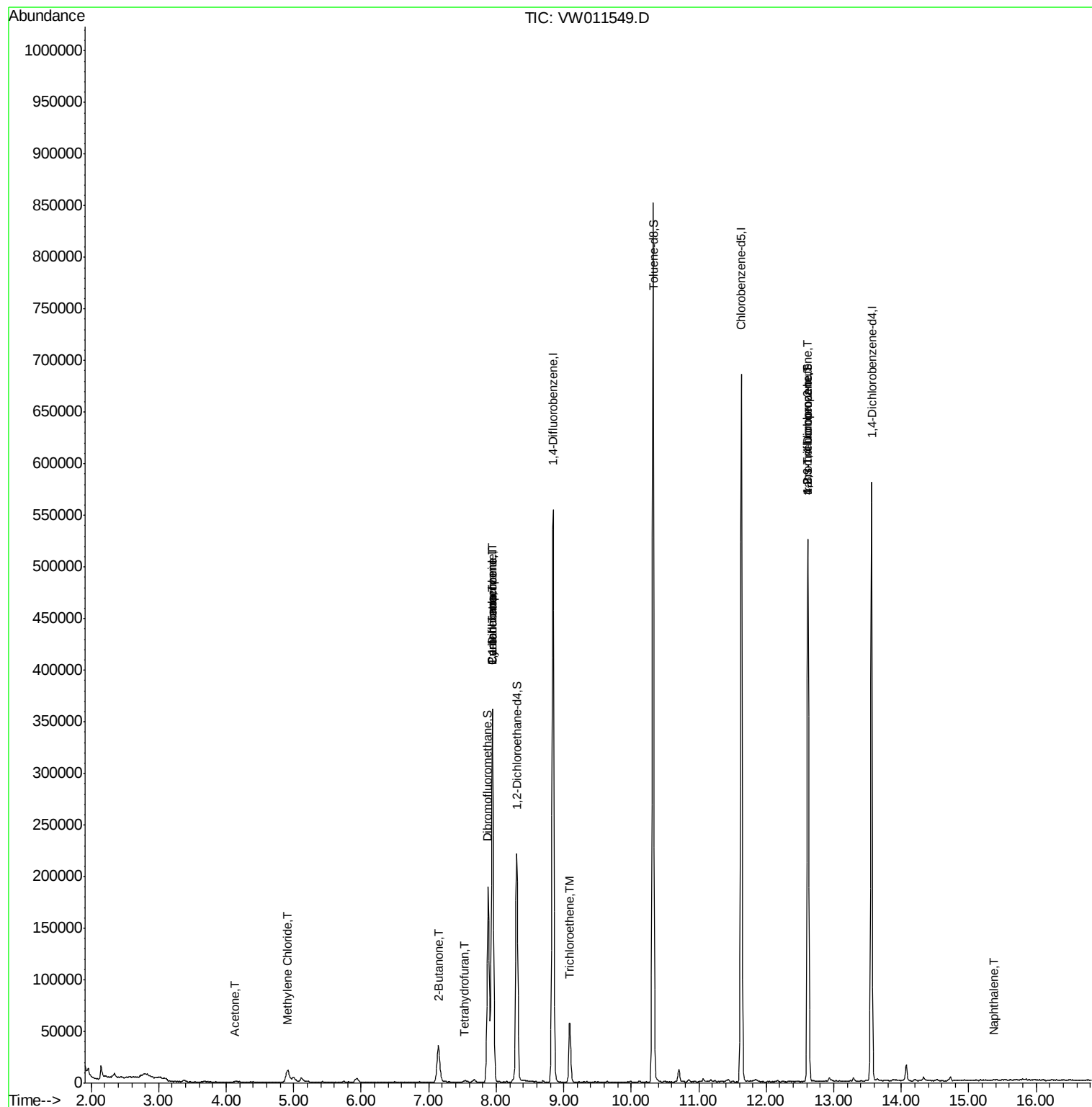
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	567	Below Cal		99
16) Acetone	4.14	43	2355	2.451	ug/l	91
20) Methylene Chloride	4.91	84	8845	2.670	ug/l	92
25) 2-Butanone	7.15	43	2540	2.021	ug/l #	56
29) Tetrahydrofuran	7.54	42	1369	1.905	ug/l #	94
31) Cyclohexane	7.94	56	6539	1.158	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22522	4.978	ug/l #	51
38) Carbon Tetrachloride	7.95	117	27422	7.080	ug/l #	16
44) Trichloroethene	9.09	130	19637	6.447	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	90295	58.892	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90295	135.726	ug/l #	6
95) Naphthalene	15.37	128	185	2.097	ug/l #	85

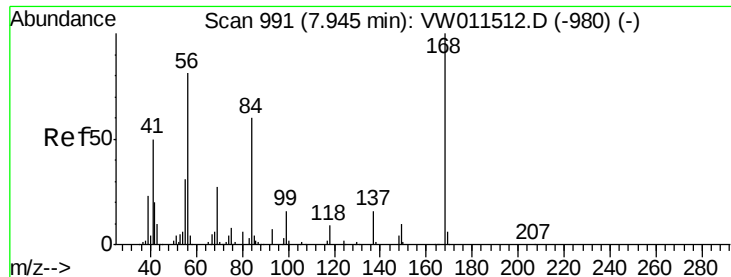
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011549.D

Acq: 27 Jul 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

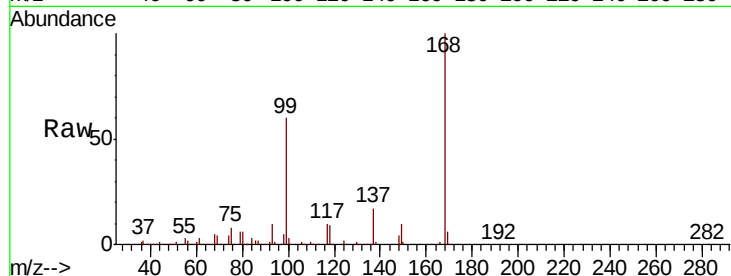
TP-6-A

Tot Ion:168 Resp: 263010

Ion Ratio Lower Upper

168 100

99 59.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

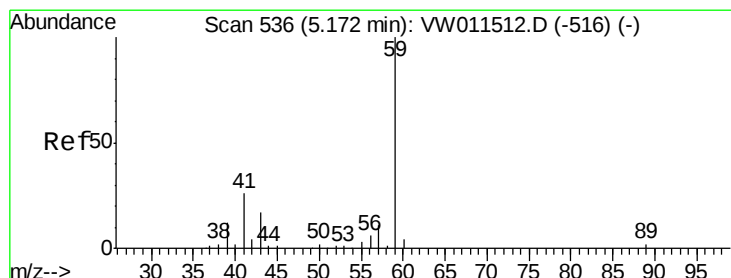
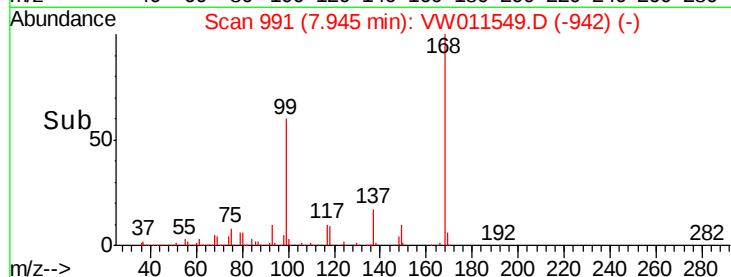
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 544

Delta R.T. 0.05 min

Lab File: VW011549.D

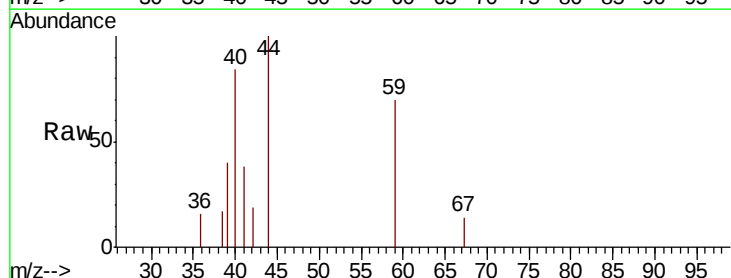
Acq: 27 Jul 2019 06:29

Tgt Ion: 59 Resp: 567

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

300

250

200

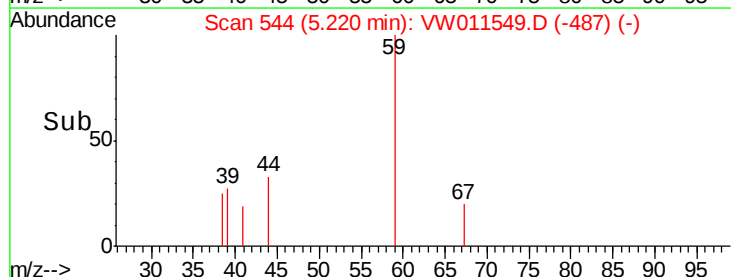
150

100

50

0

Time-->





#16

Acetone

Concen: 2.451 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011549.D

Acq: 27 Jul 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

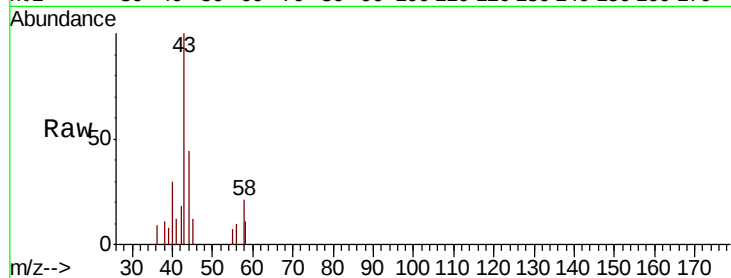
TP-6-A

Tot Ion: 43 Resp: 2355

Ion Ratio Lower Upper

43 100

58 32.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

800

600

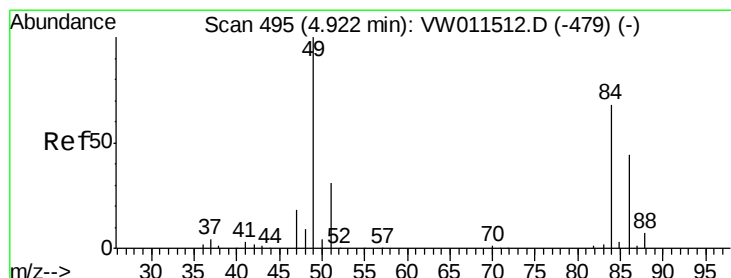
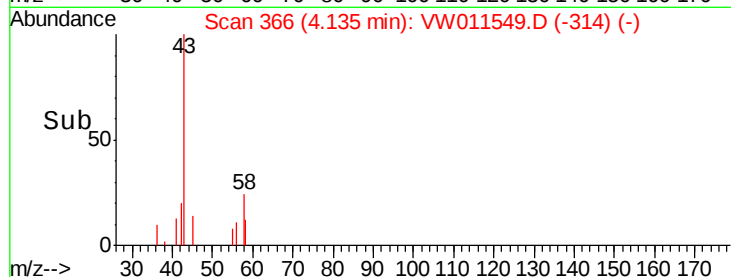
400

200

0

4.05 4.10 4.15 4.20 4.25

Time-->



#20

Methylene Chloride

Concen: 2.670 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011549.D

Acq: 27 Jul 2019 06:29

Tgt Ion: 84 Resp: 8845

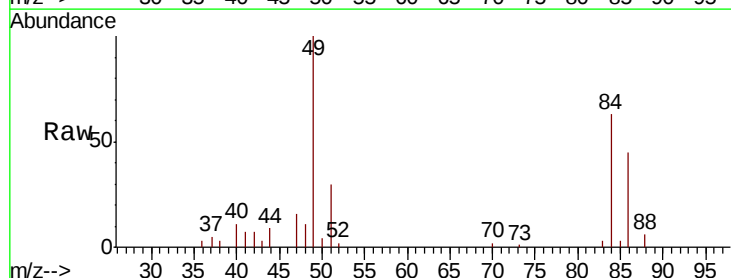
Ion Ratio Lower Upper

84 100

49 159.4 117.8 176.6

51 48.2 37.0 55.4

86 71.6 51.8 77.8



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

6000

5000

4000

3000

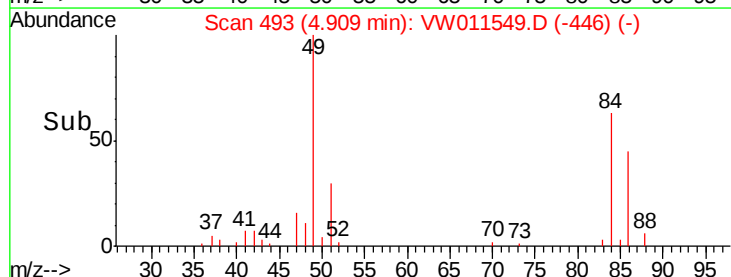
2000

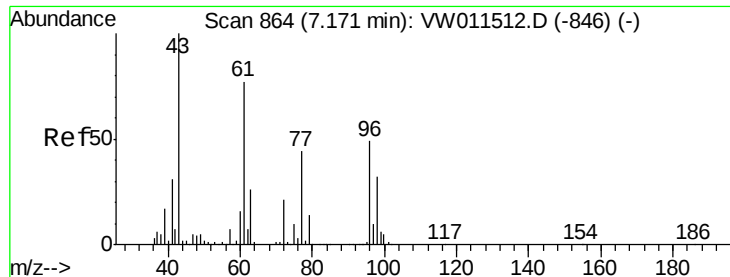
1000

0

4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 2.021 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011549.D

Acq: 27 Jul 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

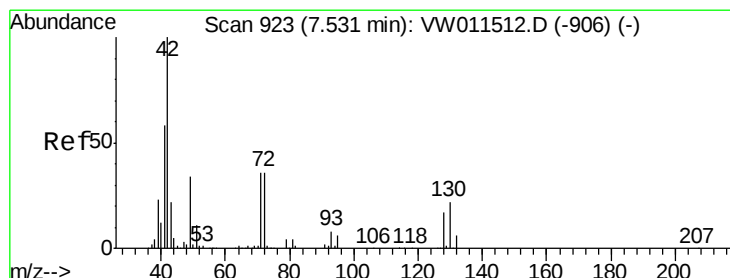
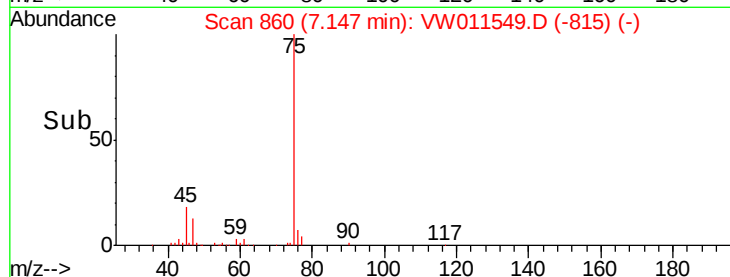
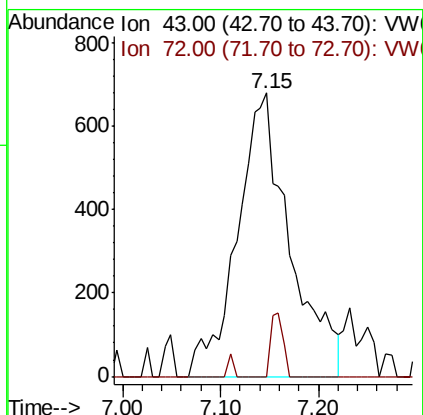
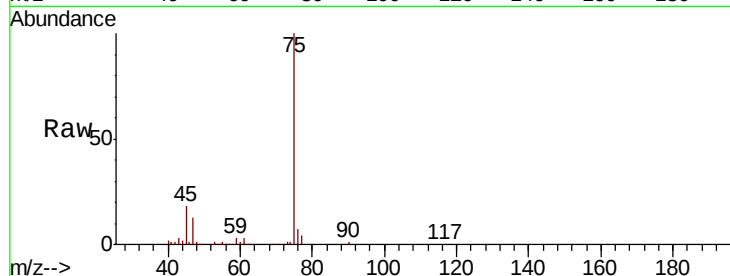
TP-6-A

Tot Ion: 43 Resp: 2540

Ion Ratio Lower Upper

43 100

72 0.0 16.6 24.8#



#29

Tetrahydrofuran

Concen: 1.905 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011549.D

Acq: 27 Jul 2019 06:29

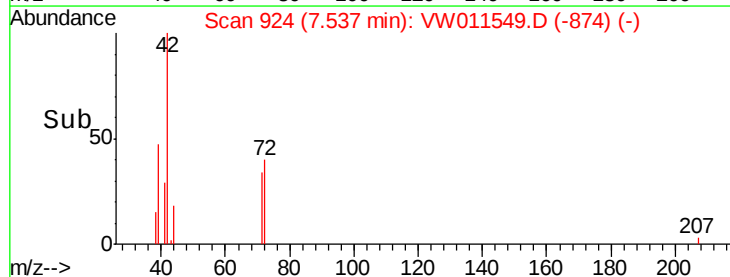
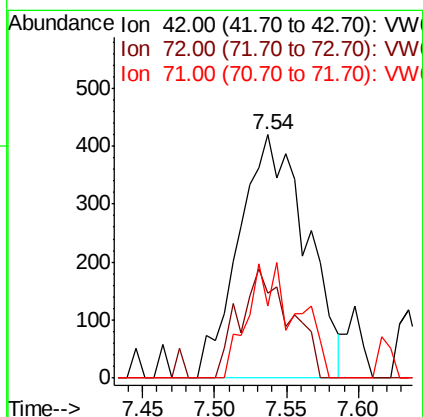
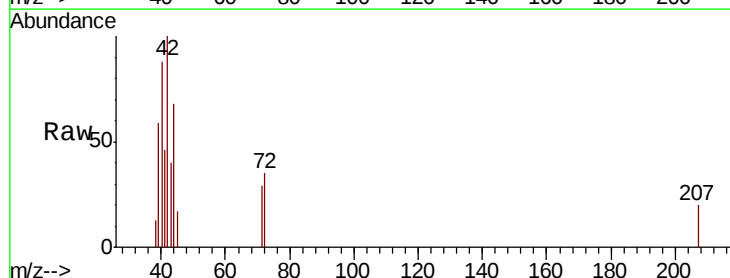
Tgt Ion: 42 Resp: 1369

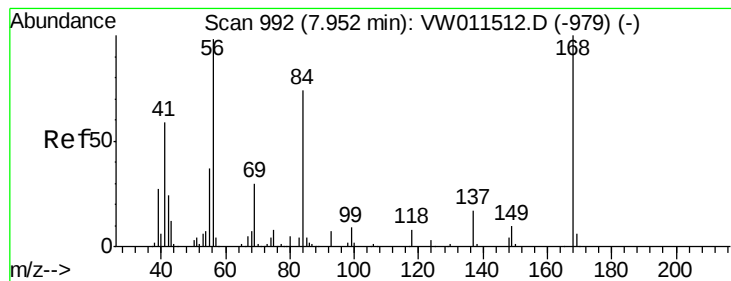
Ion Ratio Lower Upper

42 100

72 33.7 27.1 40.7

71 25.9 26.2 39.4#





#31

Cyclohexane

Concen: 1.158 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011549.D

Acq: 27 Jul 2019 06:29

Instrument :

MSVOA_W

ClientSampled :

TP-6-A

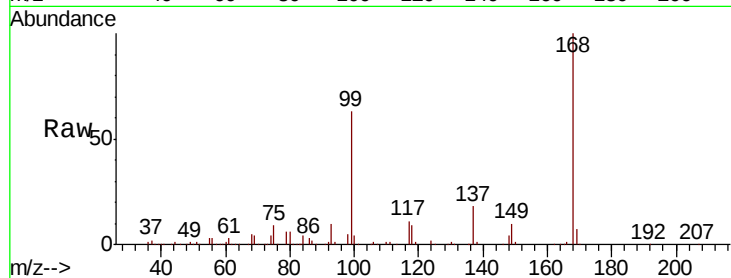
Tot Ion: 56 Resp: 6539

Ion Ratio Lower Upper

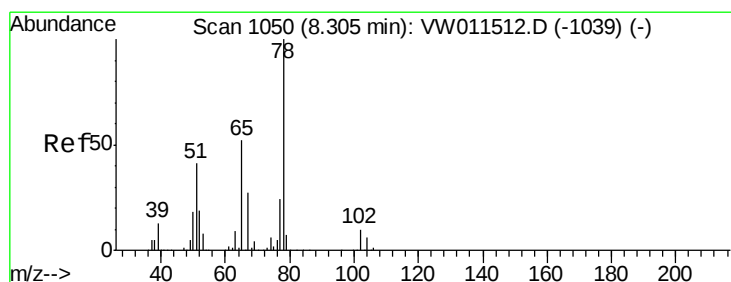
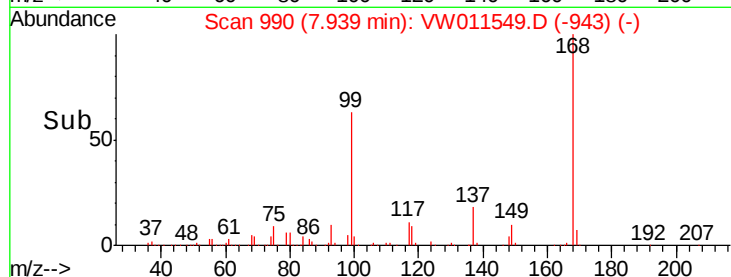
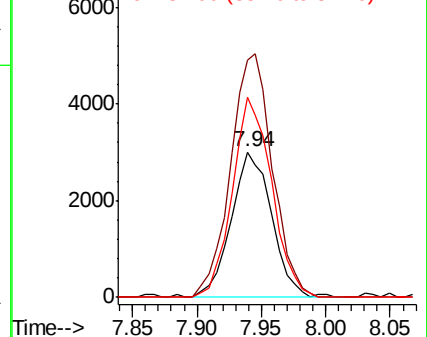
56 100

69 163.6 24.3 36.5#

84 137.6 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: 58.734 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011549.D

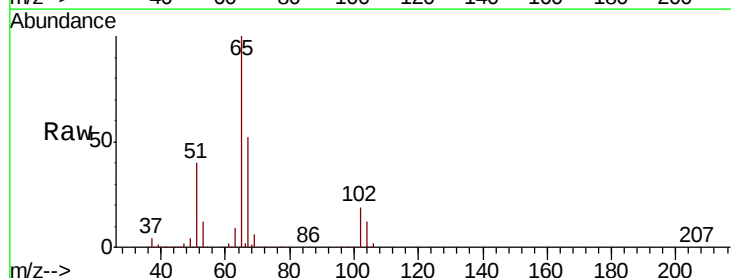
Acq: 27 Jul 2019 06:29

Tgt Ion: 65 Resp: 177383

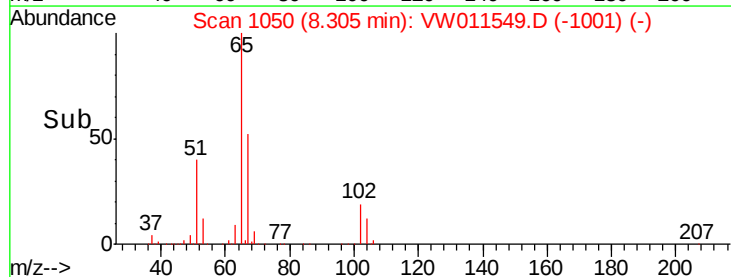
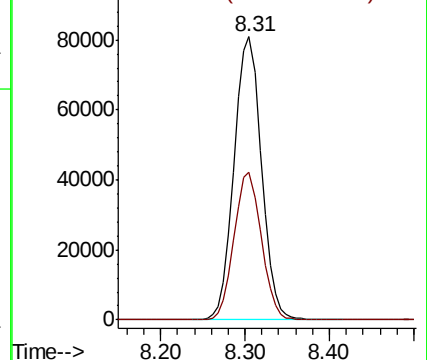
Ion Ratio Lower Upper

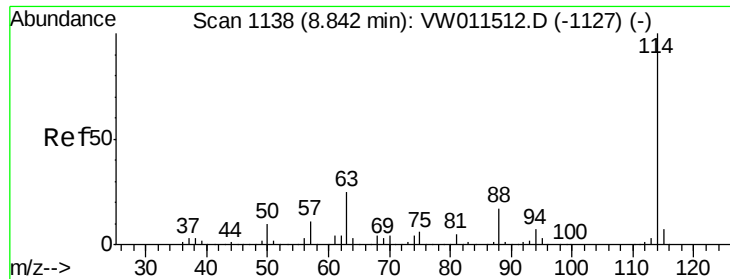
65 100

67 52.0 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

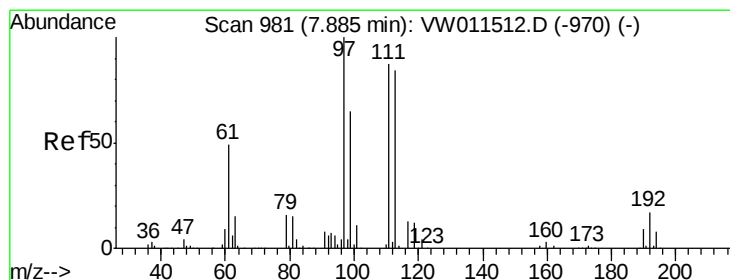
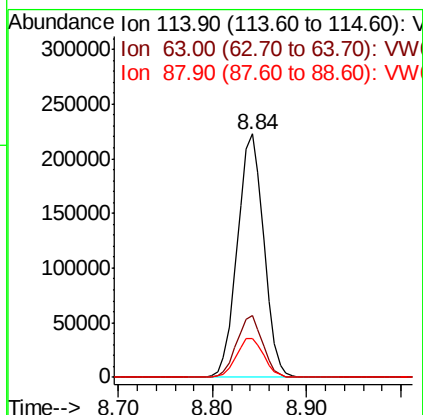
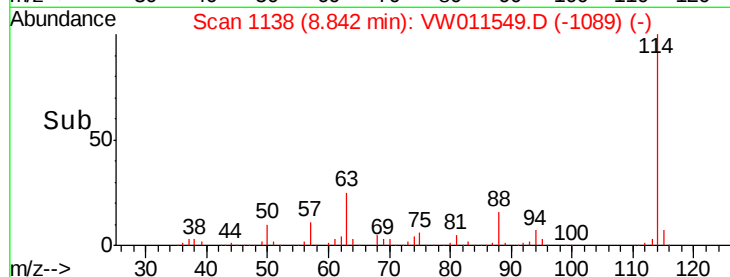
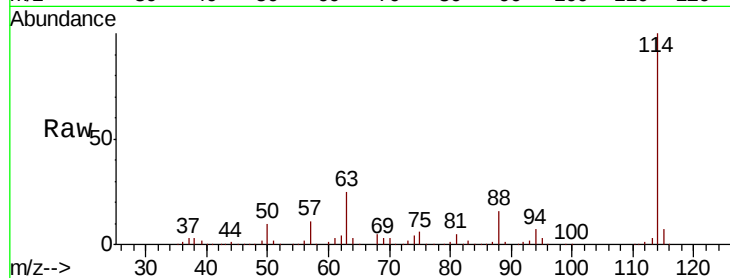




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011549.D
 Acq: 27 Jul 2019 06:29

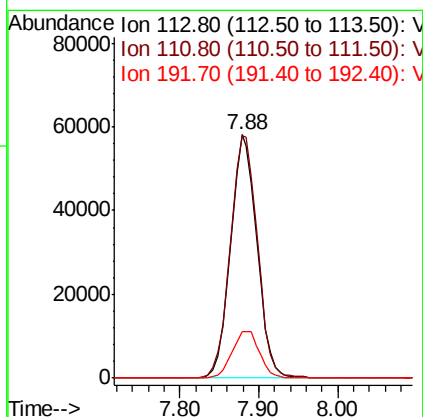
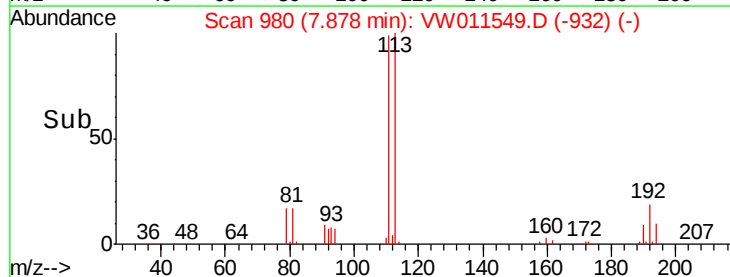
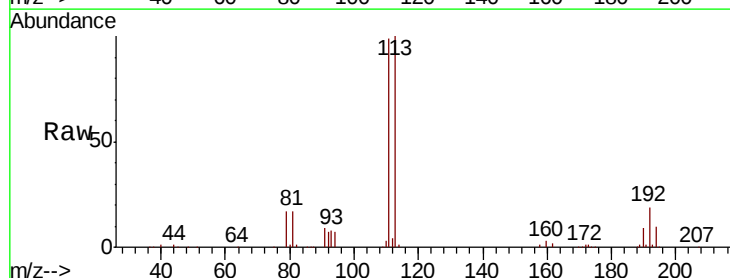
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6-A

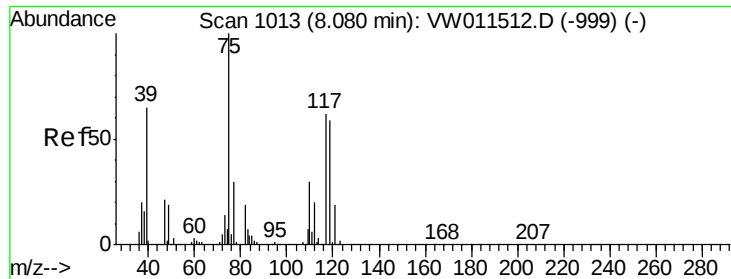
Tot Ion:114 Resp: 435125
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 16.2 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 55.262 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011549.D
 Acq: 27 Jul 2019 06:29

Tgt Ion:113 Resp: 134902
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.7 124.1
 192 20.1 16.1 24.1

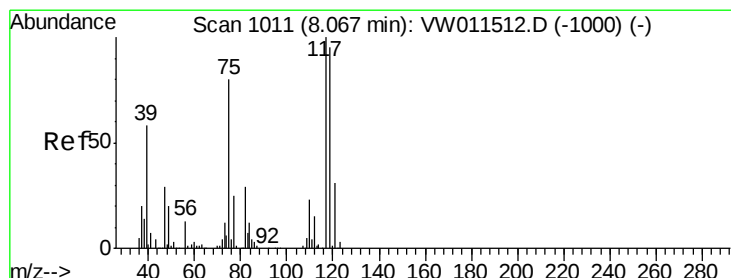
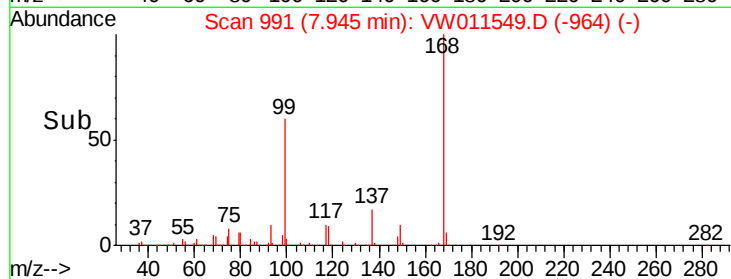
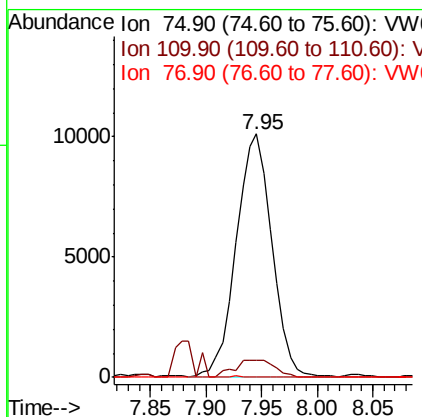
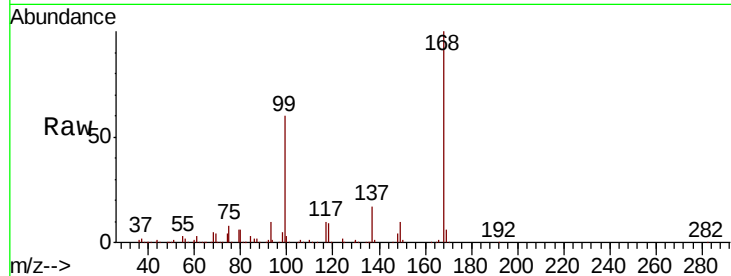




#36
 1,1-Dichloropropene
 Concen: 4.978 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011549.D
 Acq: 27 Jul 2019 06:29

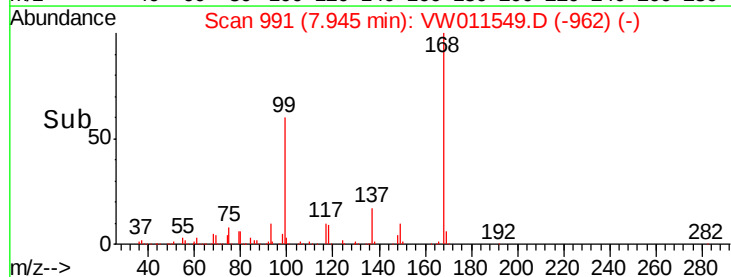
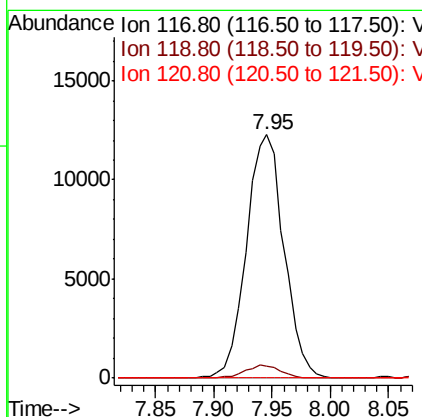
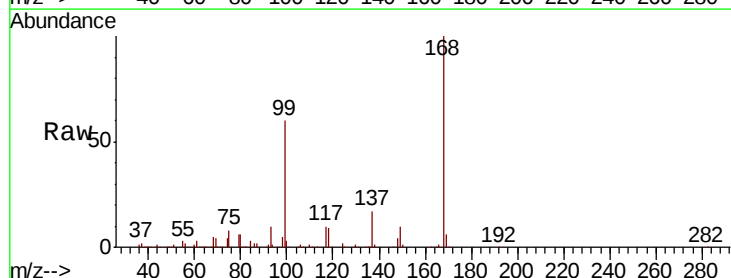
Instrument :
 MSVOA_W
 ClientSampled :
 TP-6-A

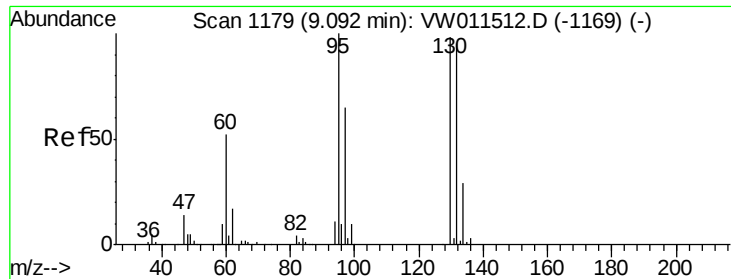
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.080 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011549.D
 Acq: 27 Jul 2019 06:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.8	113.6#
121	0.0	24.7	37.1#

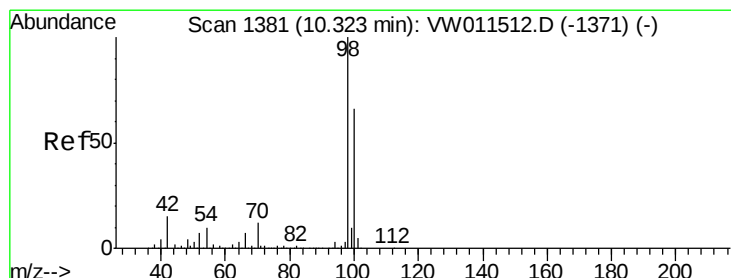
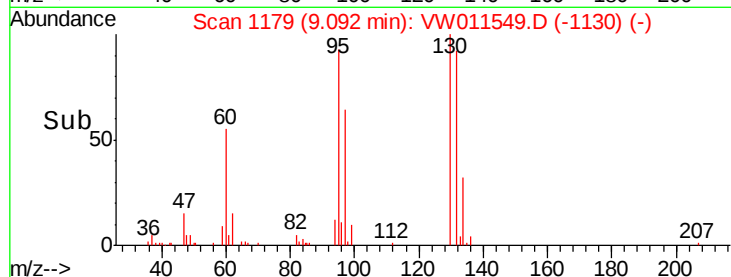
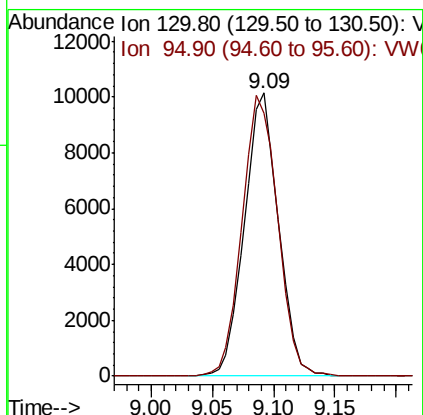
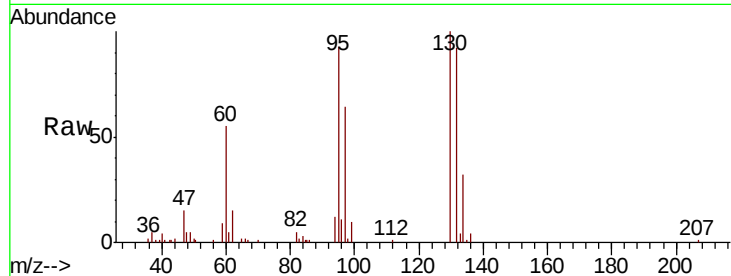




#44
 Trichloroethene
 Concen: 6.447 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW011549.D
 Acq: 27 Jul 2019 06:29

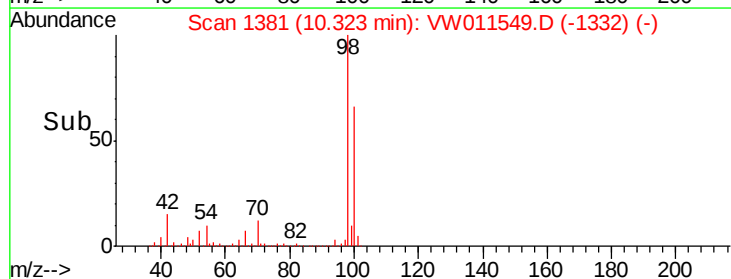
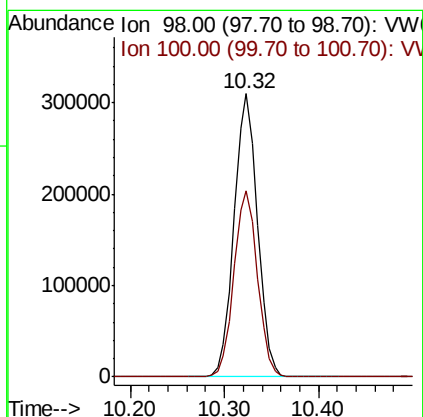
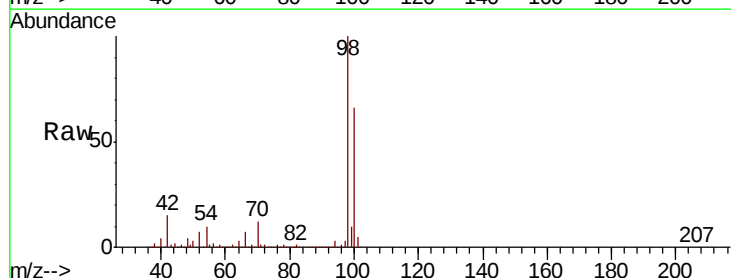
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6-A

Tot Ion:130 Resp: 19637
 Ion Ratio Lower Upper
 130 100
 95 92.9 0.0 204.8



#50
 Toluene-d8
 Concen: 53.314 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW011549.D
 Acq: 27 Jul 2019 06:29

Tgt Ion: 98 Resp: 532862
 Ion Ratio Lower Upper
 98 100
 100 66.1 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 47.522 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011549.D

Acq: 27 Jul 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

TP-6-A

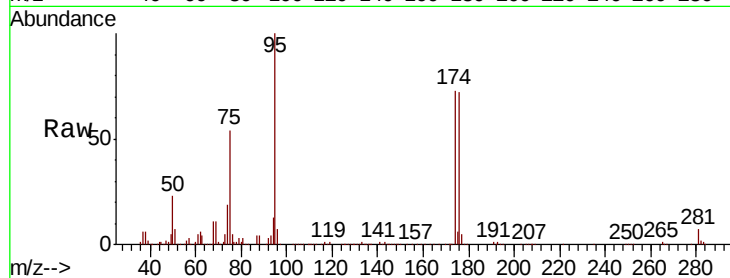
Tot Ion: 95 Resp: 169336

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.2

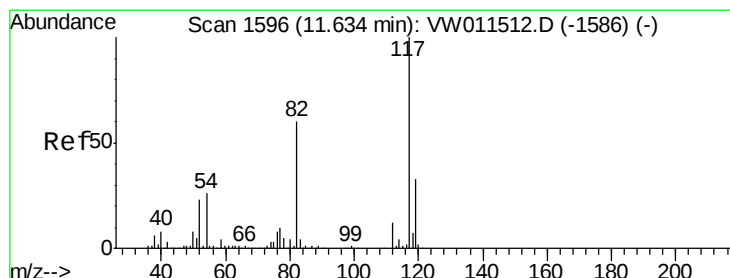
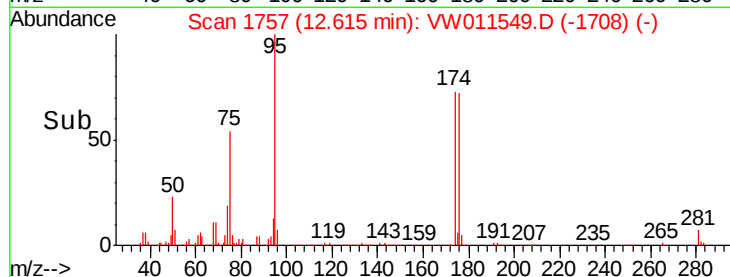
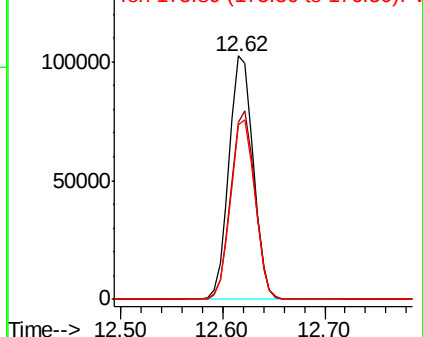
176 73.8 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW011549.D

Acq: 27 Jul 2019 06:29

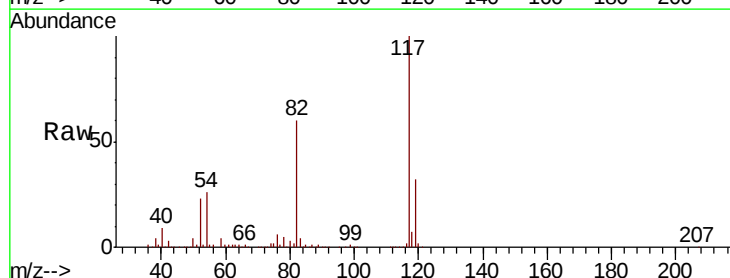
Tgt Ion: 117 Resp: 362273

Ion Ratio Lower Upper

117 100

82 59.8 47.9 71.9

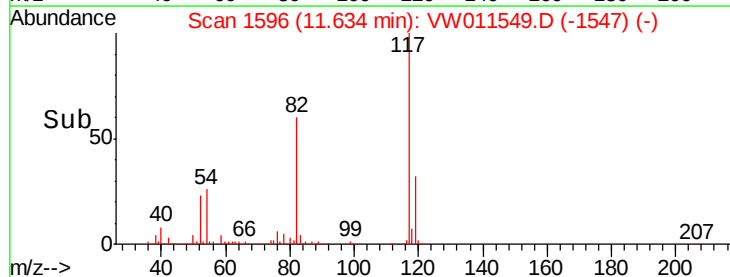
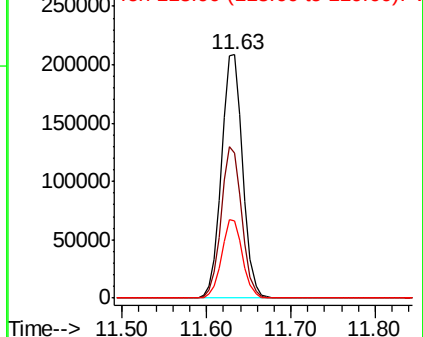
119 31.9 26.2 39.2

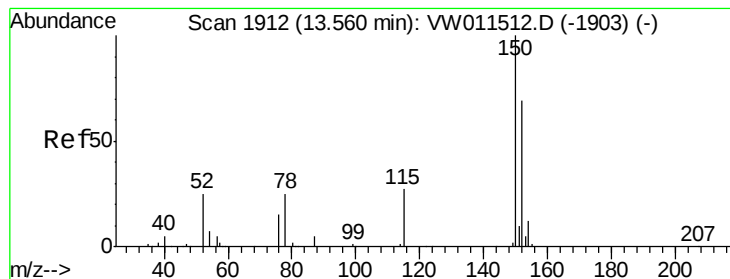


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



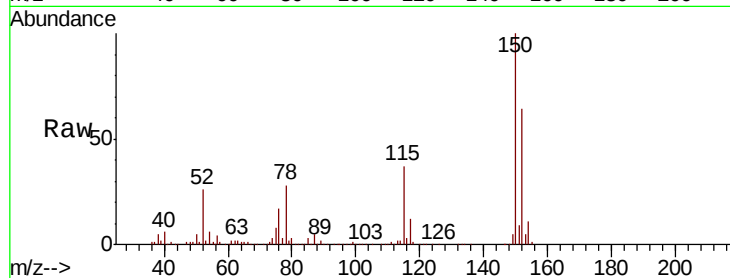


#72

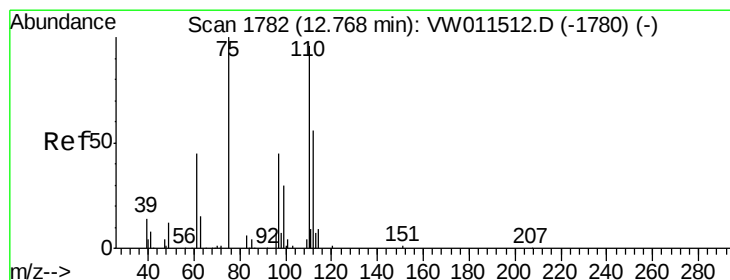
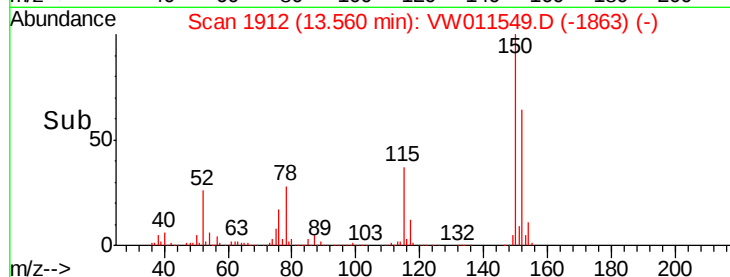
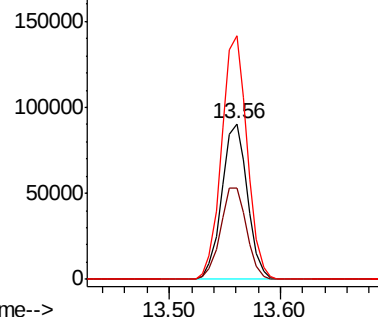
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011549.D
Acq: 27 Jul 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
TP-6-A

Tot Ion:152 Resp: 144902
Ion Ratio Lower Upper
152 100
115 60.0 30.5 91.5
150 156.0 0.0 352.6



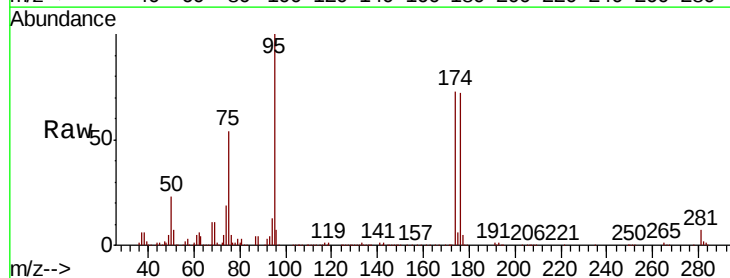
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



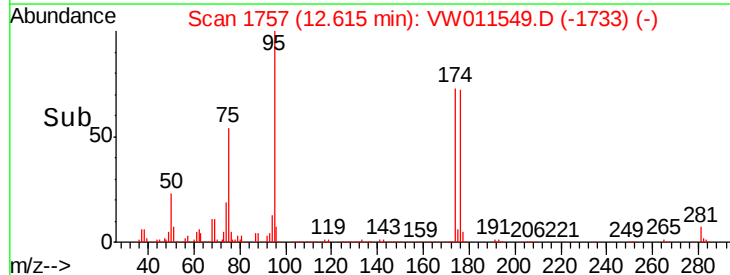
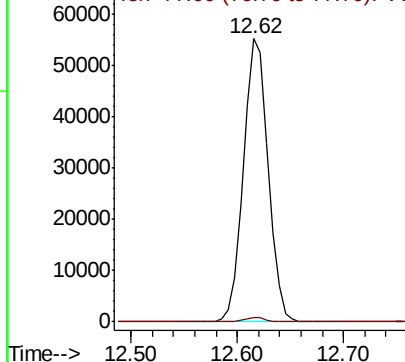
#76

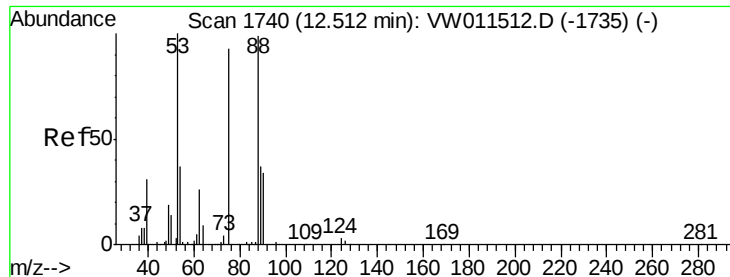
1,2,3-Trichloropropane
Concen: 58.892 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011549.D
Acq: 27 Jul 2019 06:29

Tgt Ion: 75 Resp: 90295
Ion Ratio Lower Upper
75 100
77 1.5 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: 135.726 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011549.D

Acq: 27 Jul 2019 06:29

Instrument :

MSVOA_W

ClientSampled :

TP-6-A

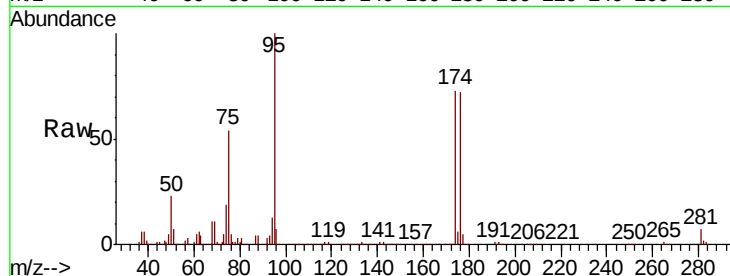
Tot Ion: 75 Resp: 90295

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

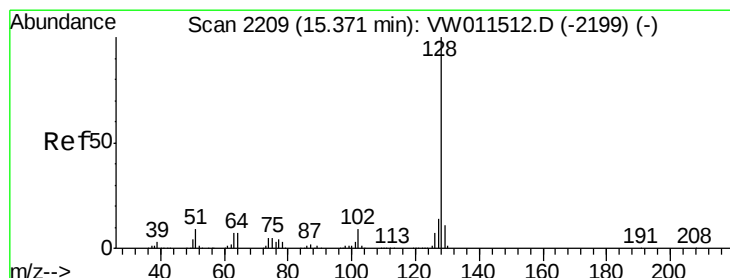
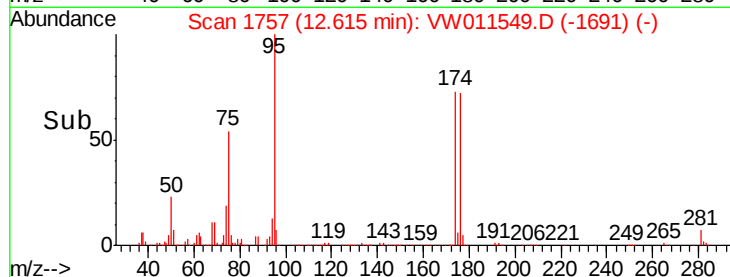
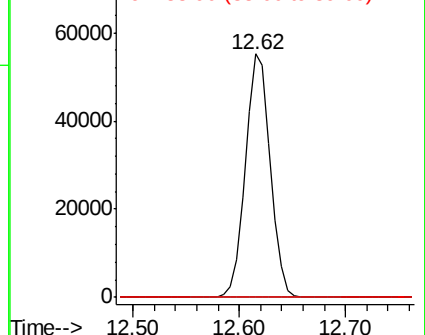
89 0.0 35.3 52.9#



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



#95

Naphthalene

Concen: 2.097 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011549.D

Acq: 27 Jul 2019 06:29

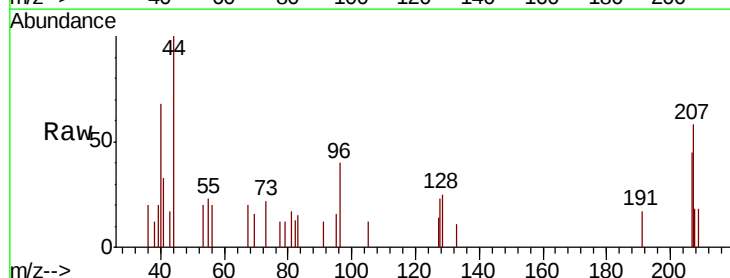
Tgt Ion:128 Resp: 185

Ion Ratio Lower Upper

128 100

127 11.9 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

