

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012648.D
 Acq On : 05 Sep 2019 18:28
 Operator : SY/VA
 Sample : K4613-02RE
 Misc : 6.21G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-10-S2

Quant Time: Sep 06 07:54:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	265114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	427054	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	149679	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	164618	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.88	113	129904	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
50) Toluene-d8	10.32	98	513117	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.62	95	168676	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	

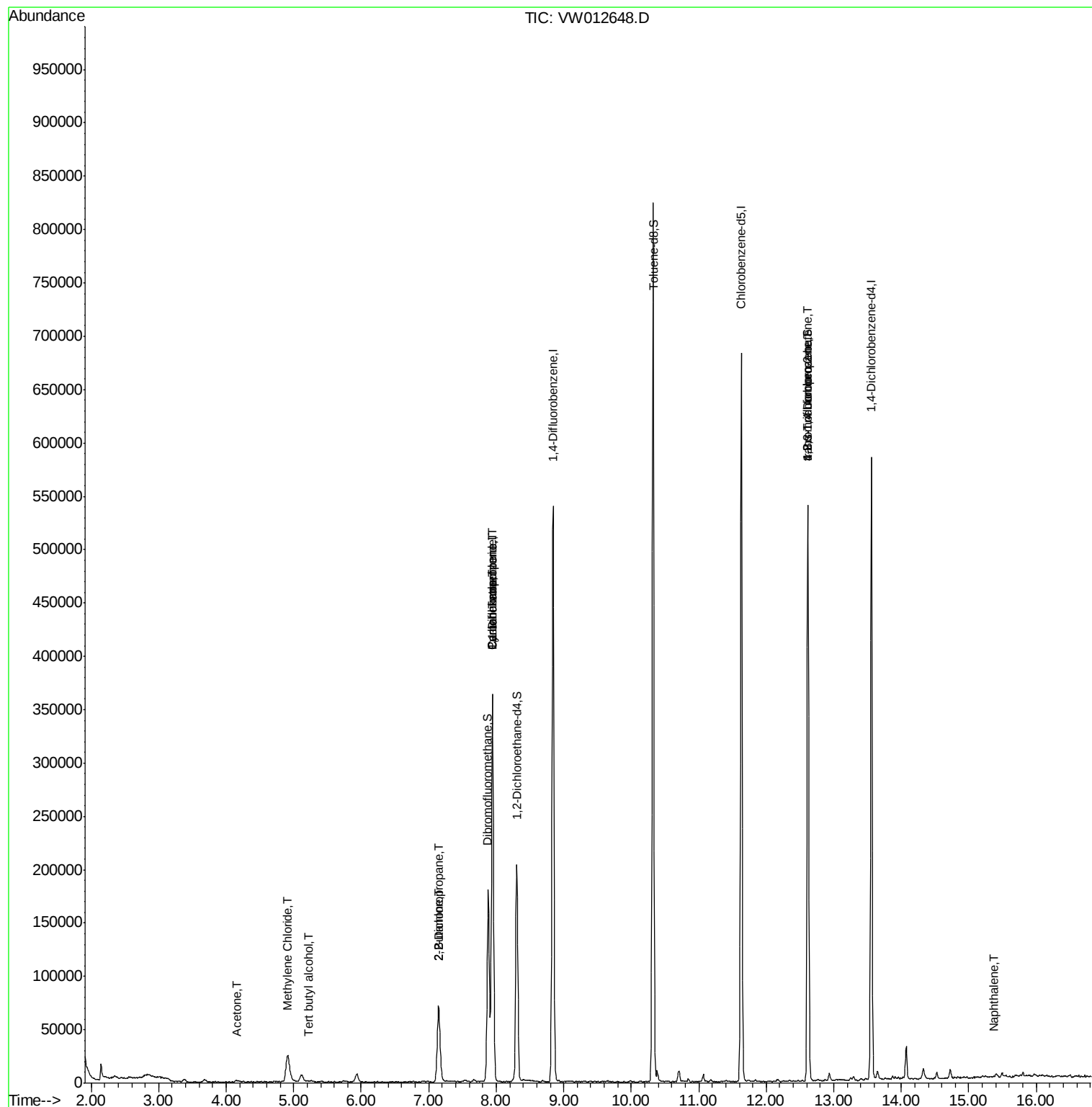
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.22	59	268	1.413	ug/l #	48
16) Acetone	4.16	43	3024	3.754	ug/l	94
20) Methylene Chloride	4.91	84	19527	6.412	ug/l	93
25) 2-Butanone	7.14	43	4621	4.221	ug/l #	83
26) 2,2-Dichloropropane	7.14	77	5196	1.600	ug/l #	54
31) Cyclohexane	7.95	56	6443	1.135	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22849	5.178	ug/l #	52
38) Carbon Tetrachloride	7.95	117	26467	6.929	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	91313	62.639	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91313	137.338	ug/l #	6
95) Naphthalene	15.37	128	681	4.431	ug/l #	86

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012648.D

Acq: 05 Sep 2019 18:28

Instrument :

MSVOA_W

ClientSampled :

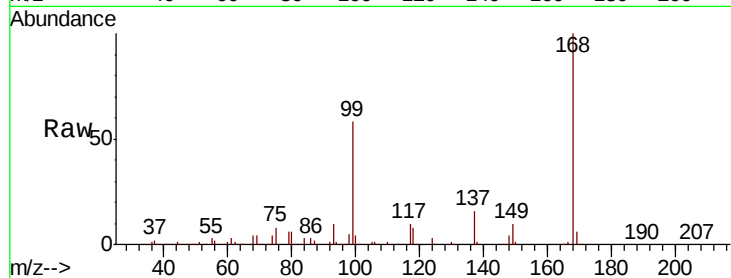
TP-10-S2

Tgt Ion:168 Resp: 265114

Ion Ratio Lower Upper

168 100

99 57.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

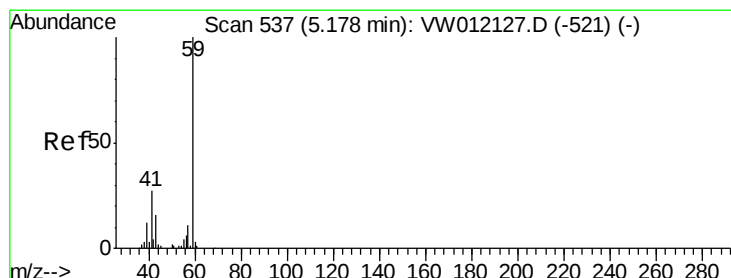
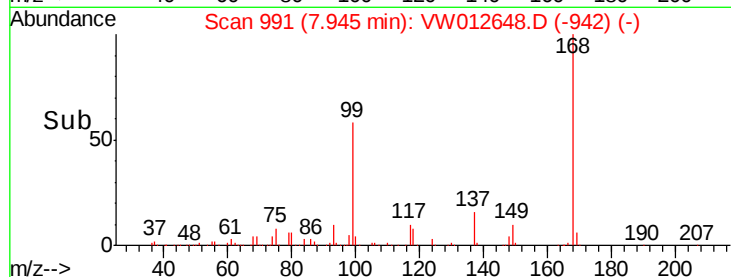
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.413 ug/l

RT: 5.22 min Scan# 544

Delta R.T. 0.04 min

Lab File: VW012648.D

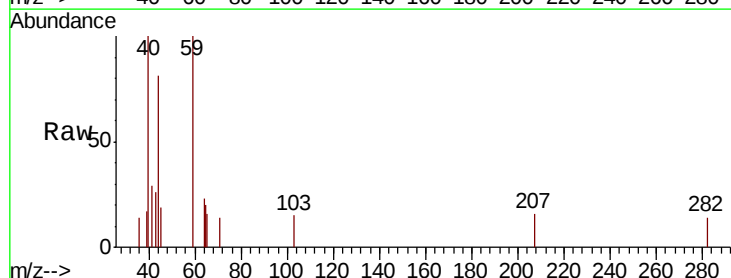
Acq: 05 Sep 2019 18:28

Tgt Ion: 59 Resp: 268

Ion Ratio Lower Upper

59 100

57 31.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

500

400

300

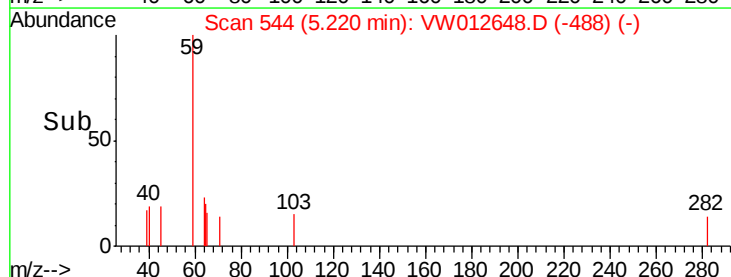
200

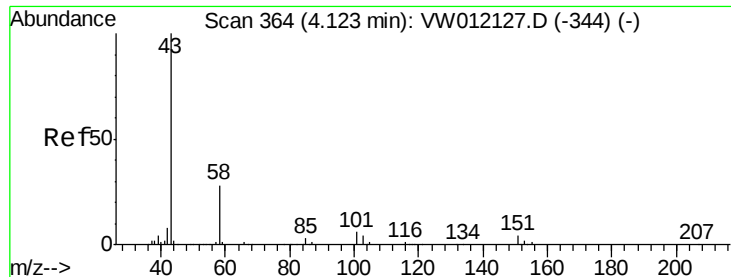
100

0

5.18 5.20 5.22 5.24

Time-->





#16

Acetone

Concen: 3.754 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.04 min

Lab File: VW012648.D

Acq: 05 Sep 2019 18:28

Instrument :

MSVOA_W

ClientSampled :

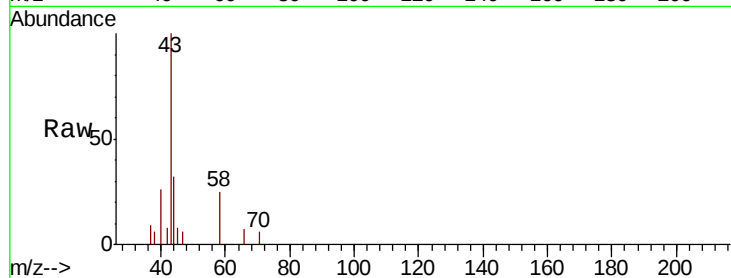
TP-10-S2

Tgt Ion: 43 Resp: 3024

Ion Ratio Lower Upper

43 100

58 24.8 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.16

1000

800

600

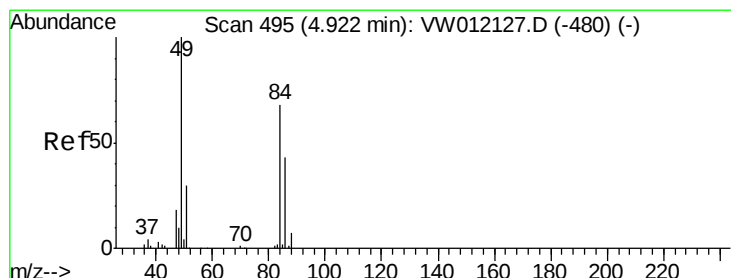
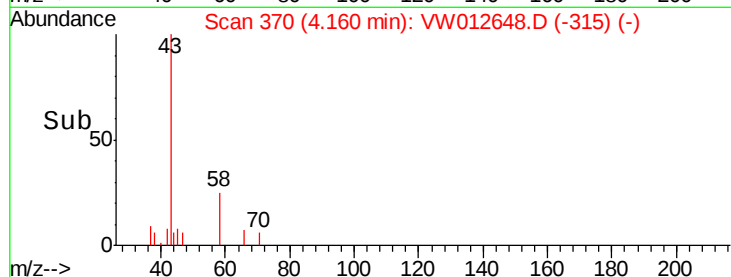
400

200

0

4.05 4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: 6.412 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012648.D

Acq: 05 Sep 2019 18:28

Tgt Ion: 84 Resp: 19527

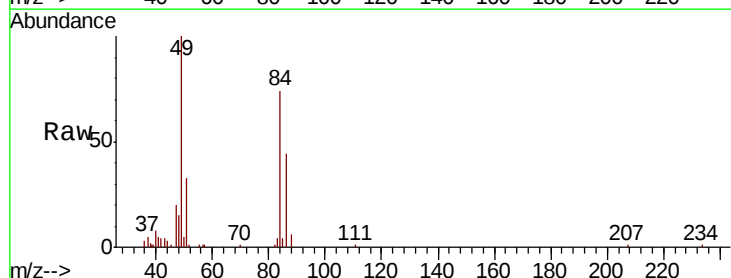
Ion Ratio Lower Upper

84 100

49 135.3 117.8 176.8

51 43.6 35.6 53.4

86 60.2 51.2 76.8



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

12000

10000

8000

6000

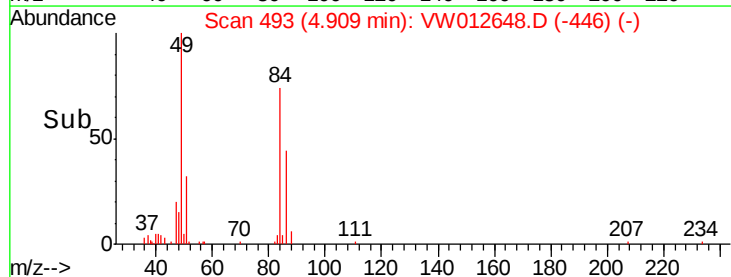
4000

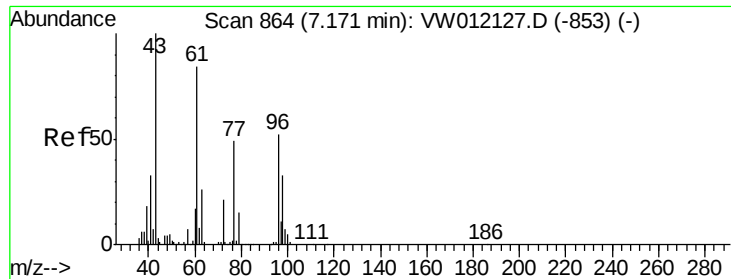
2000

0

4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 4.221 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW012648.D

Acq: 05 Sep 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

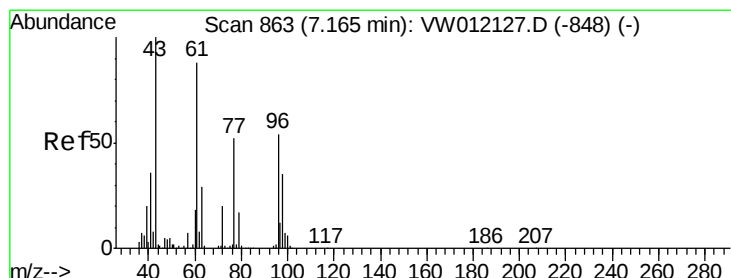
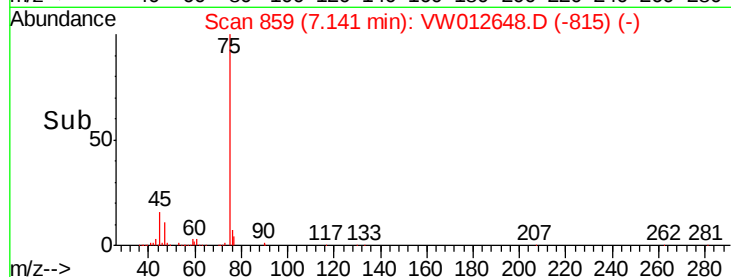
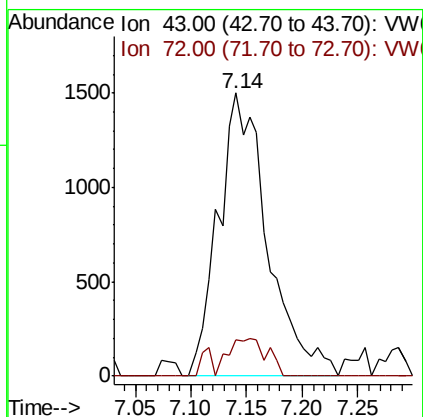
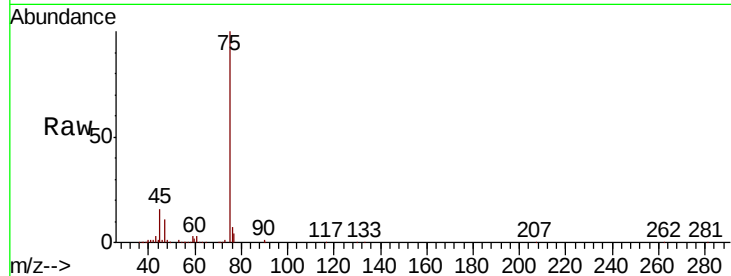
TP-10-S2

Tgt Ion: 43 Resp: 4621

Ion Ratio Lower Upper

43 100

72 12.8 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 1.600 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW012648.D

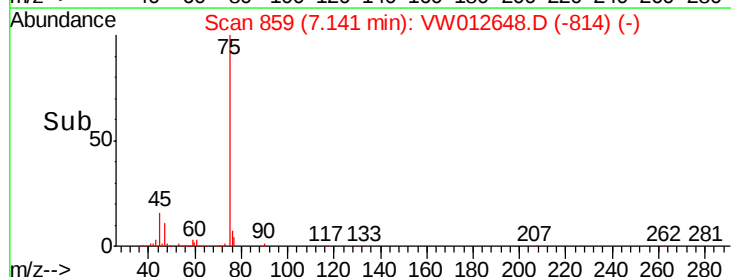
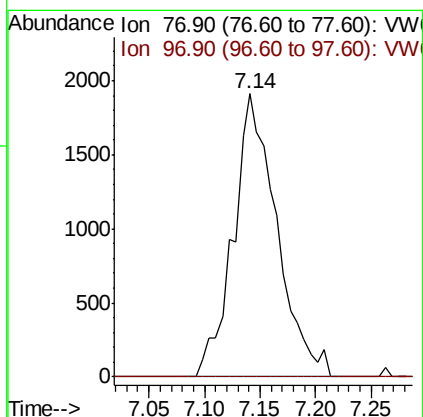
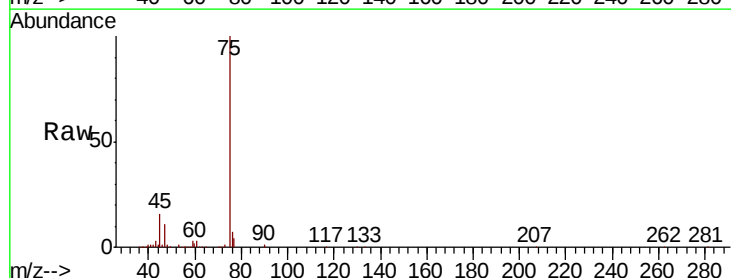
Acq: 05 Sep 2019 18:28

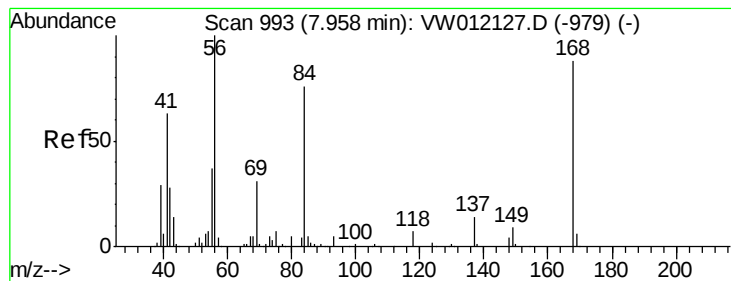
Tgt Ion: 77 Resp: 5196

Ion Ratio Lower Upper

77 100

97 0.0 11.1 33.1#





#31

Cyclohexane

Concen: 1.135 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012648.D

Acq: 05 Sep 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

TP-10-S2

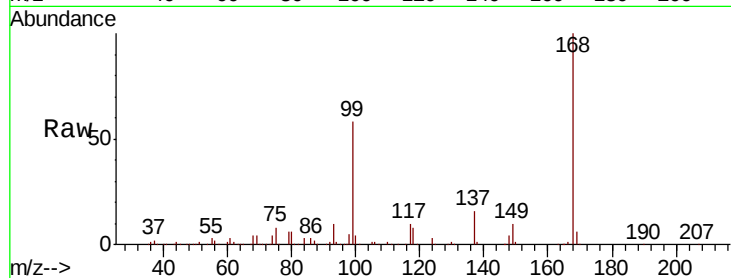
Tgt Ion: 56 Resp: 6443

Ion Ratio Lower Upper

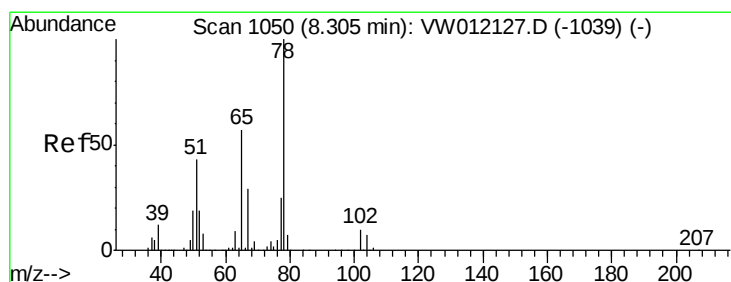
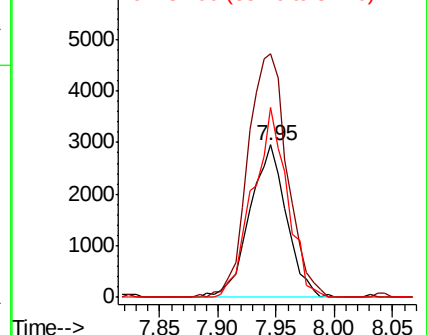
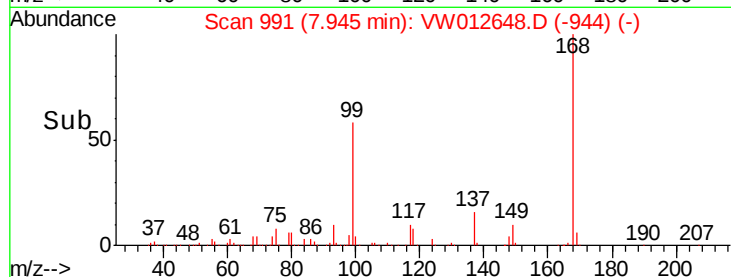
56 100

69 159.8 24.9 37.3#

84 124.6 60.6 90.8#



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: 52.234 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012648.D

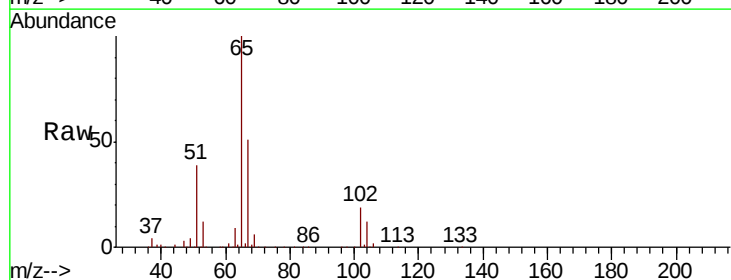
Acq: 05 Sep 2019 18:28

Tgt Ion: 65 Resp: 164618

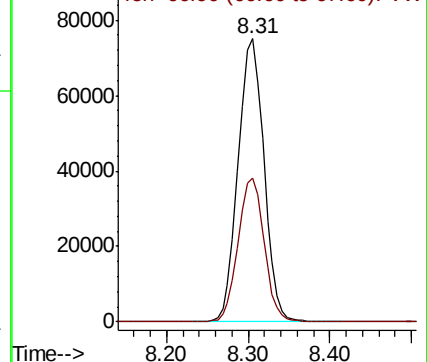
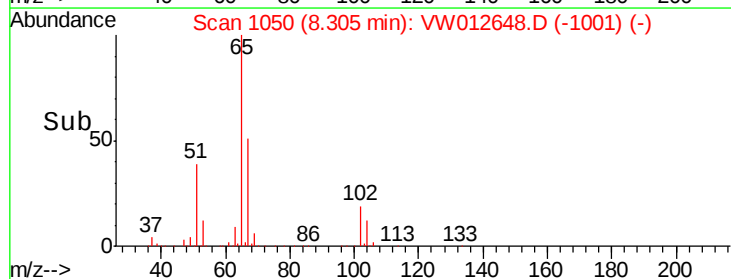
Ion Ratio Lower Upper

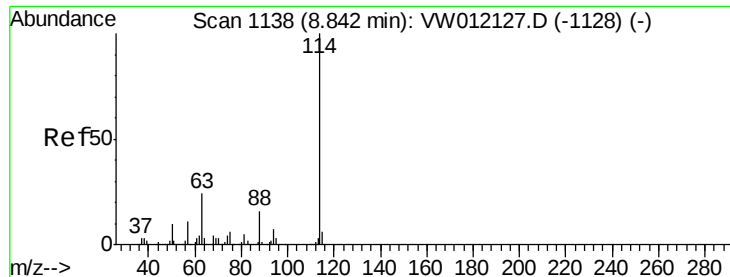
65 100

67 51.2 0.0 102.6



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

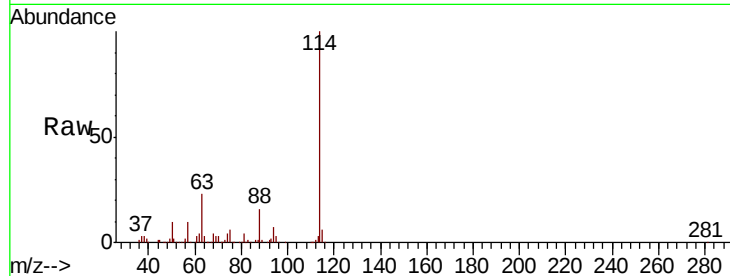




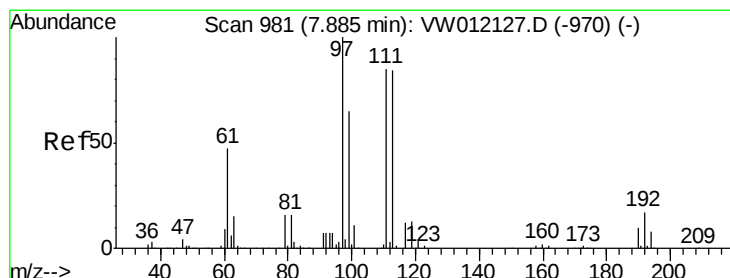
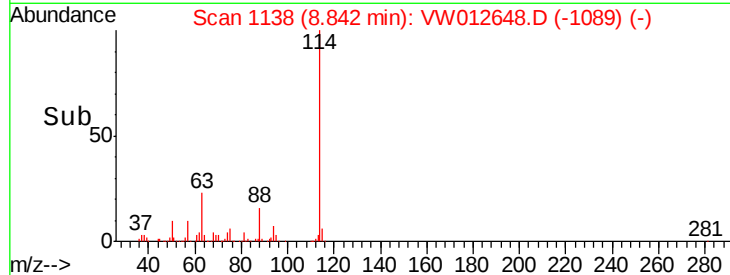
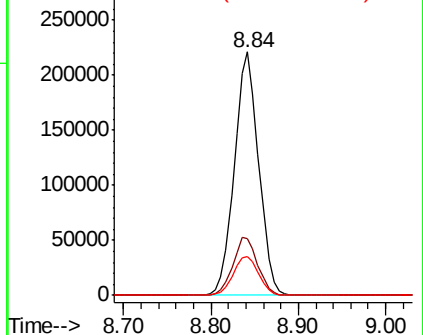
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012648.D
 Acq: 05 Sep 2019 18:28

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-10-S2

Tgt Ion:114 Resp: 427054
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 48.6
 88 16.1 0.0 32.2

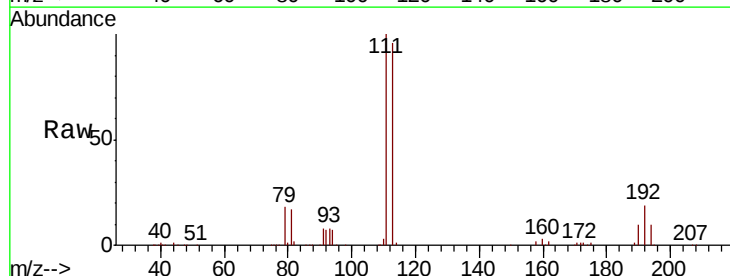


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

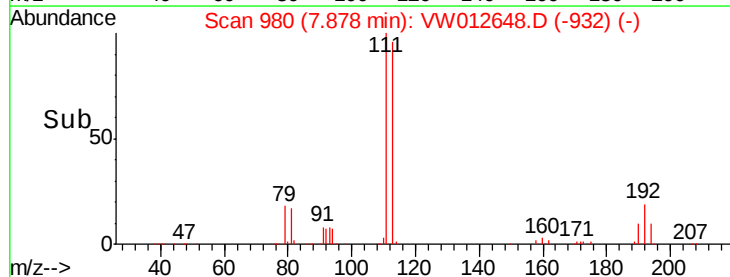
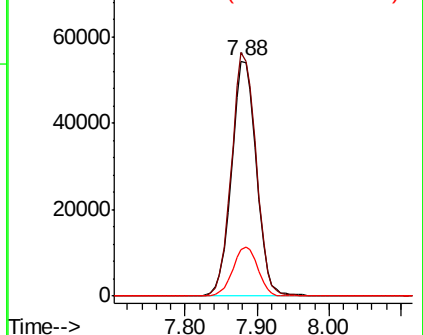


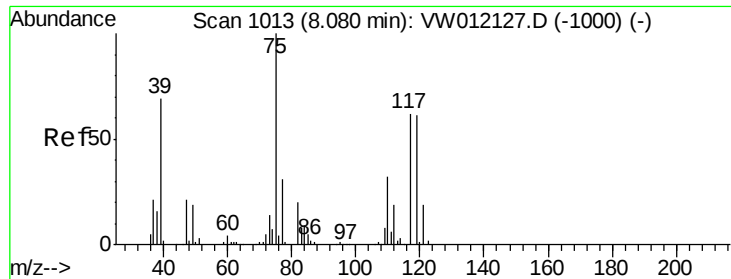
#35
 Dibromofluoromethane
 Concen: 50.961 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012648.D
 Acq: 05 Sep 2019 18:28

Tgt Ion:113 Resp: 129904
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.7 124.1
 192 21.2 16.2 24.2



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

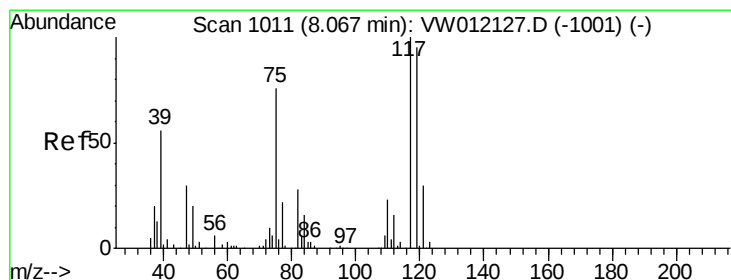
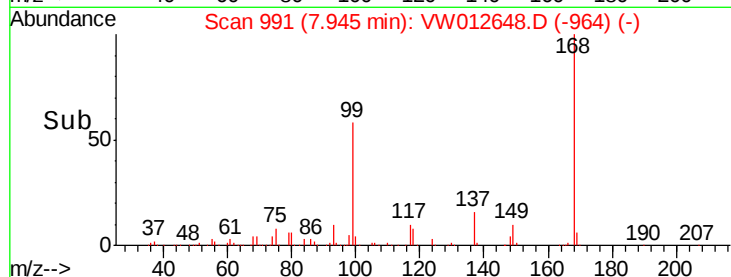
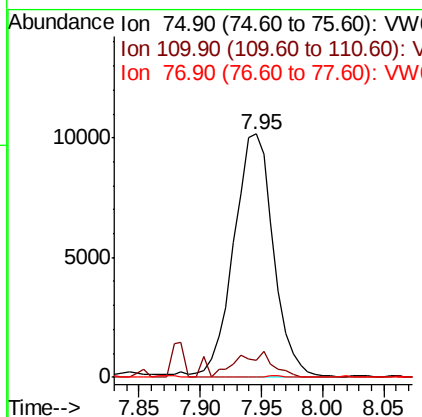
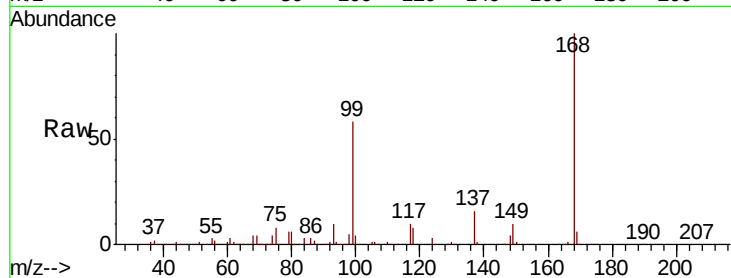




#36
 1,1-Dichloropropene
 Concen: 5.178 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012648.D
 Acq: 05 Sep 2019 18:28

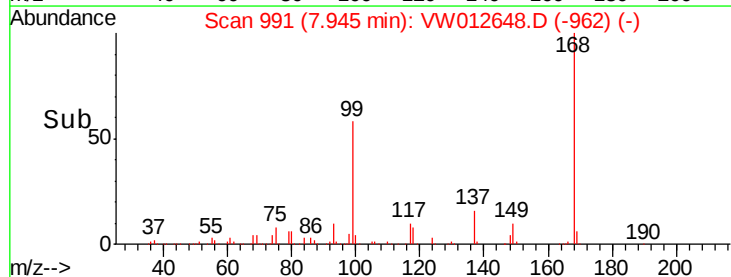
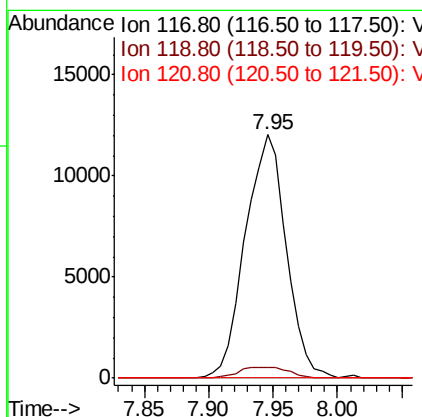
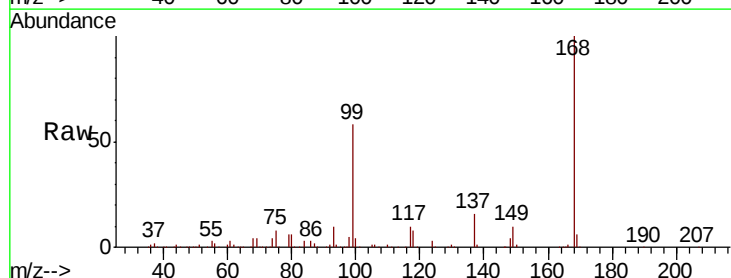
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-10-S2

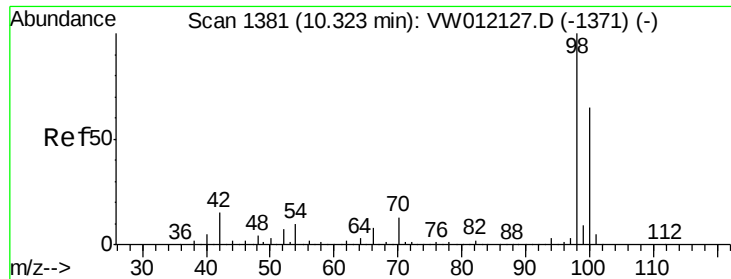
Tgt Ion: 75 Resp: 22849
 Ion Ratio Lower Upper
 75 100
 110 9.2 15.6 46.8#
 77 0.2 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.929 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012648.D
 Acq: 05 Sep 2019 18:28

Tgt Ion: 117 Resp: 26467
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.2 114.2#
 121 0.0 23.8 35.8#

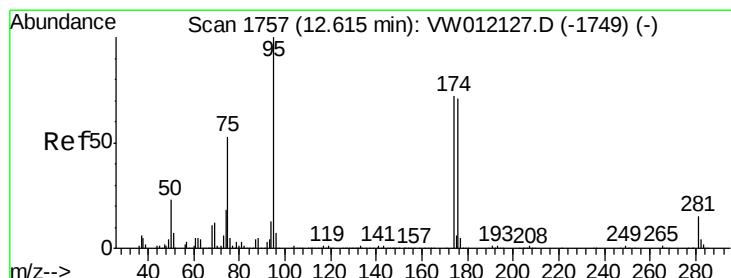
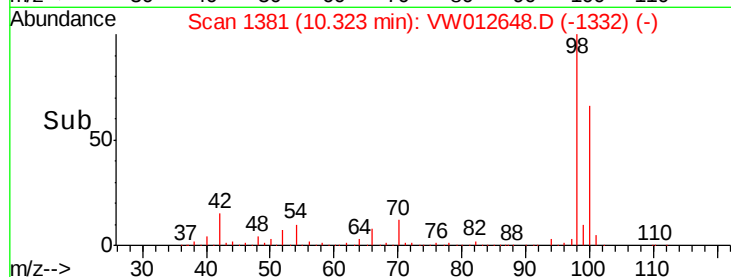
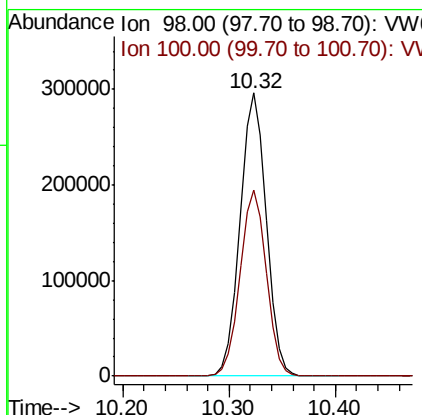
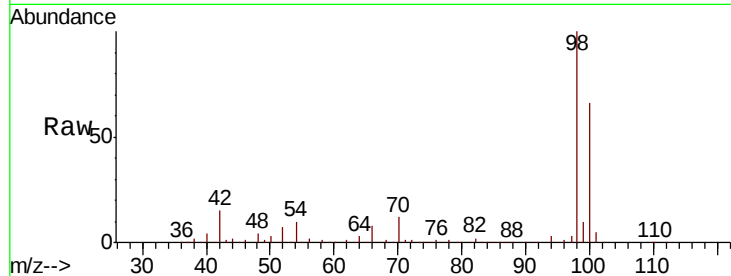




#50
Toluene-d8
Concen: 49.644 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012648.D
Acq: 05 Sep 2019 18:28

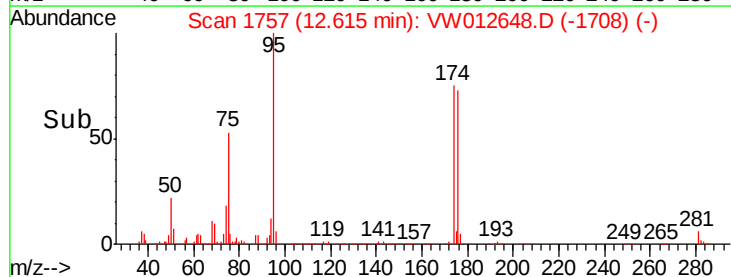
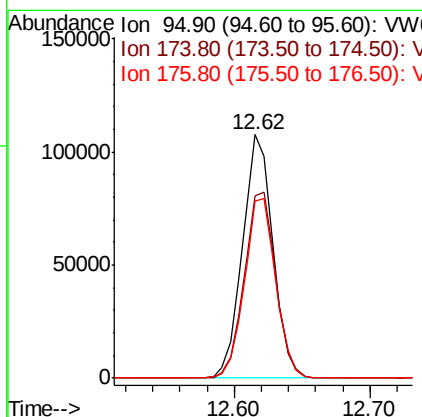
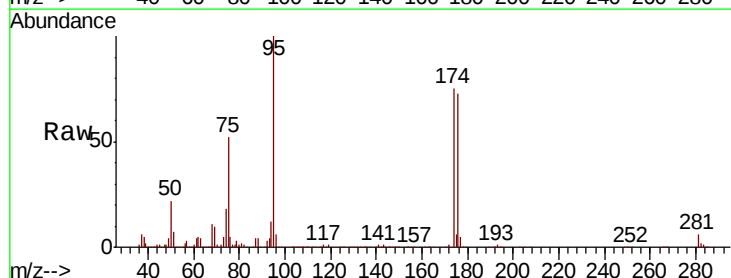
Instrument :
MSVOA_W
ClientSampleId :
TP-10-S2

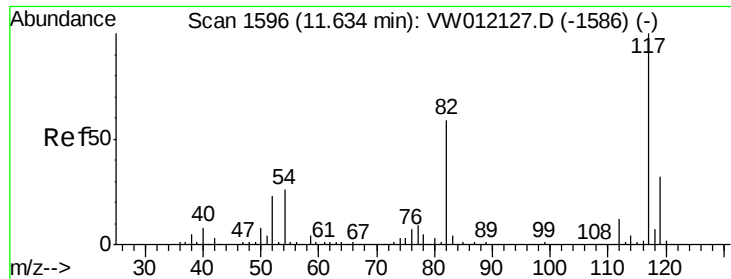
Tgt Ion: 98 Resp: 513117
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.297 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012648.D
Acq: 05 Sep 2019 18:28

Tgt Ion: 95 Resp: 168676
Ion Ratio Lower Upper
95 100
174 79.2 0.0 150.8
176 75.9 0.0 148.6

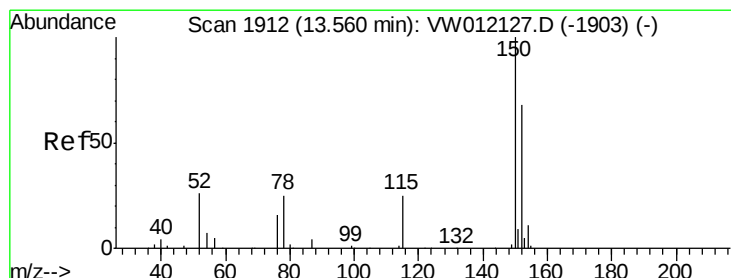
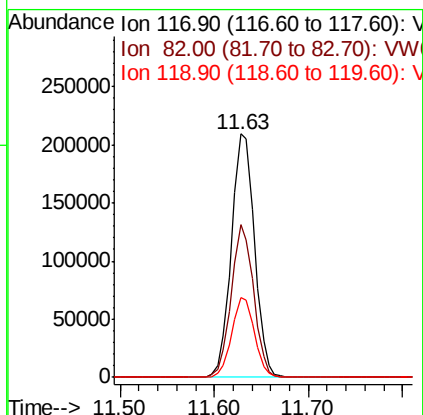
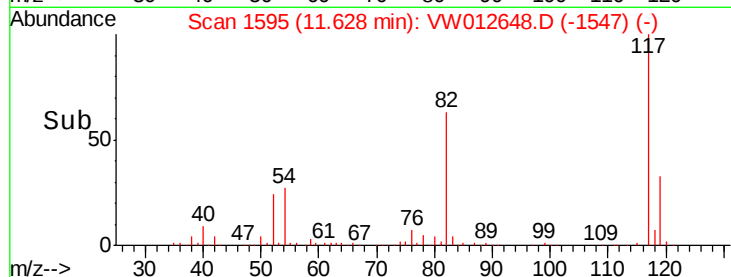
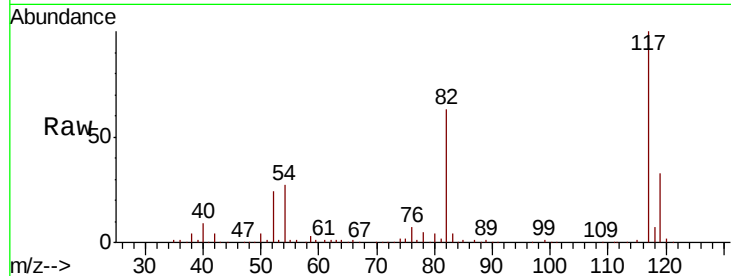




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012648.D
Acq: 05 Sep 2019 18:28

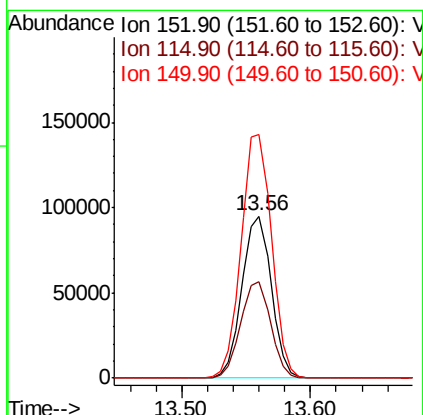
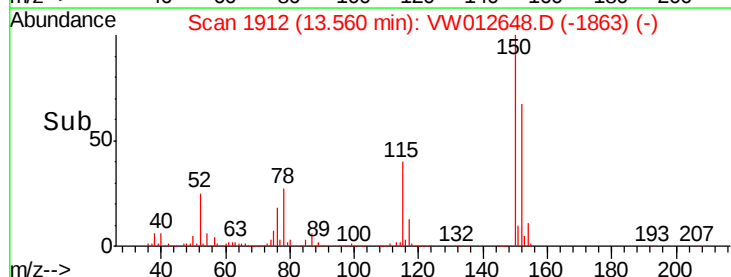
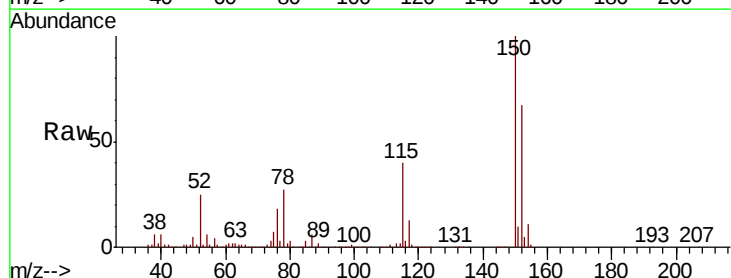
Instrument :
MSVOA_W
ClientSampled :
TP-10-S2

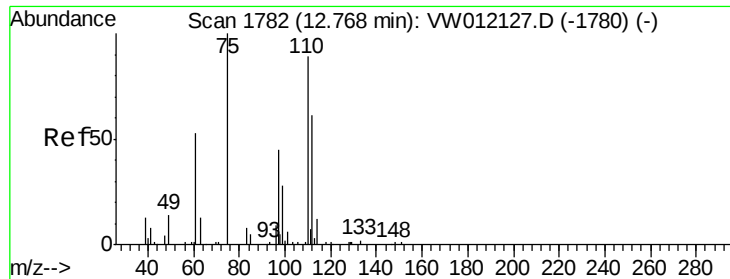
Tgt Ion:117 Resp: 357515
Ion Ratio Lower Upper
117 100
82 62.7 47.4 71.2
119 32.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012648.D
Acq: 05 Sep 2019 18:28

Tgt Ion:152 Resp: 149679
Ion Ratio Lower Upper
152 100
115 60.7 30.1 90.3
150 155.5 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 62.639 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012648.D

Acq: 05 Sep 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

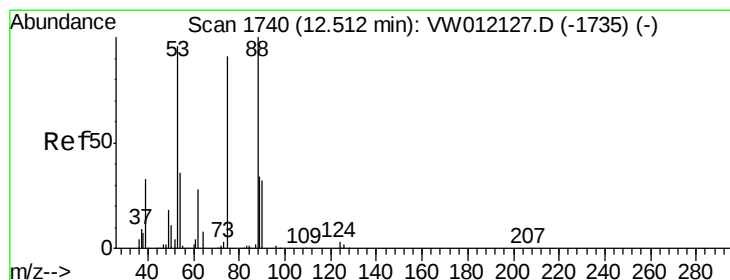
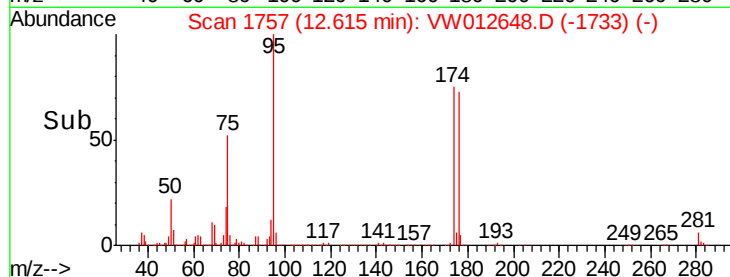
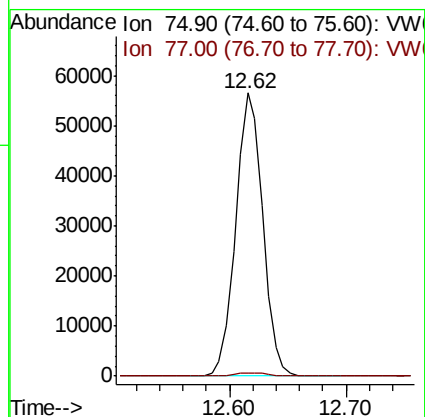
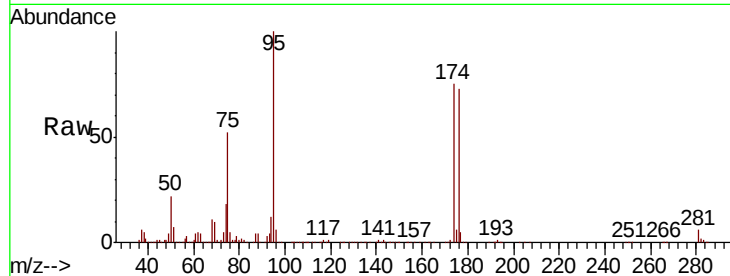
TP-10-S2

Tgt Ion: 75 Resp: 91313

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.338 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012648.D

Acq: 05 Sep 2019 18:28

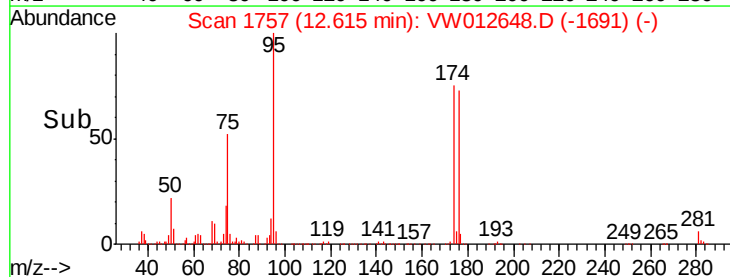
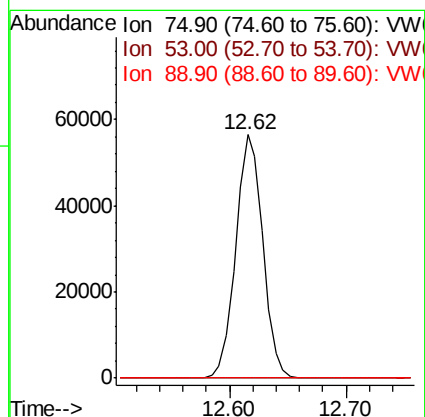
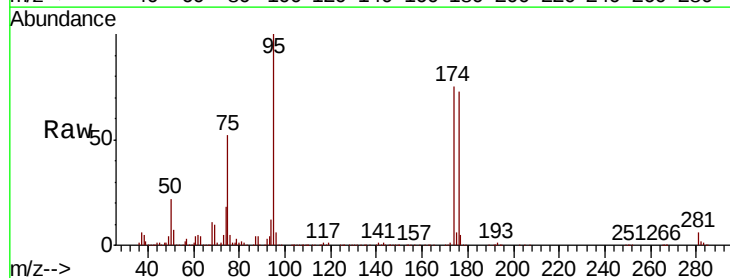
Tgt Ion: 75 Resp: 91313

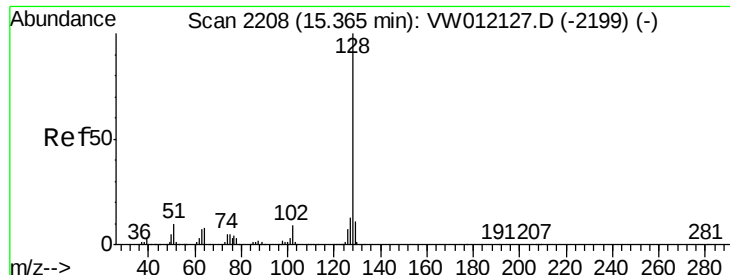
Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.3 34.5 51.7#





#95

Naphthalene

Concen: 4.431 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012648.D

Acq: 05 Sep 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

TP-10-S2

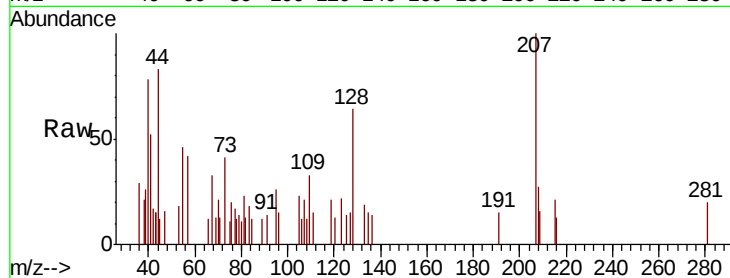
Tgt Ion:128 Resp: 681

Ion Ratio Lower Upper

128 100

127 9.4 10.7 16.1#

129 3.4 8.7 13.1#



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

