

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW004020.D
 Acq On : 18 Jul 2018 08:37
 Operator : VA/AP
 Sample : J3997-03RE
 Misc : 5.59G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-F-SRE

Quant Time: Jul 18 10:58:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	149630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	273600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	235576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	91463	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	116005	69.36	ug/l	0.00
Spiked Amount			Recovery	=	138.72%	
35) Dibromofluoromethane	7.88	113	99320	56.58	ug/l	0.00
Spiked Amount			Recovery	=	113.16%	
50) Toluene-d8	10.33	98	321167	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
62) 4-Bromofluorobenzene	12.63	95	95255	38.78	ug/l	0.00
Spiked Amount			Recovery	=	77.56%	

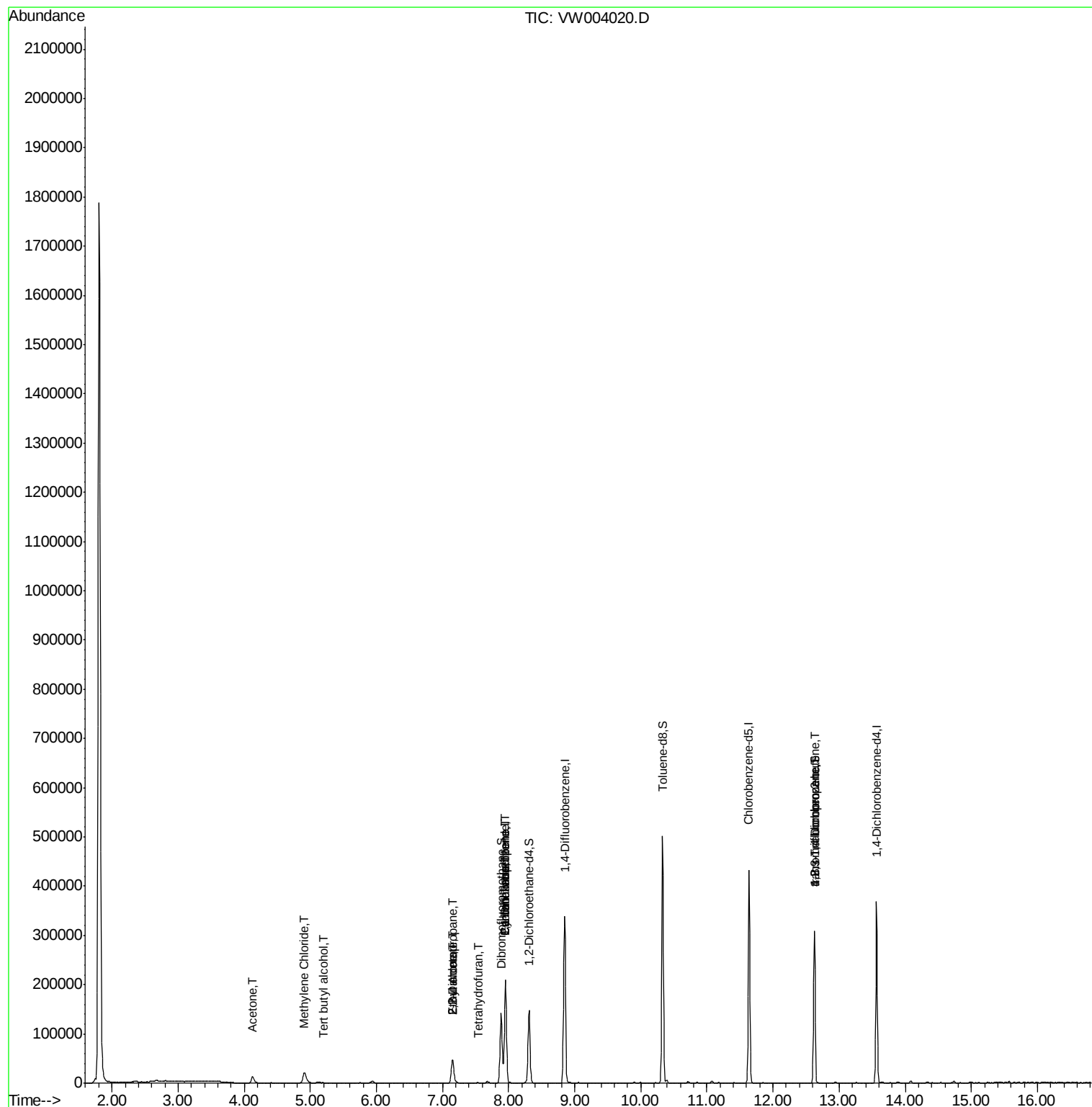
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	678	5.87	ug/l #	82
16) Acetone	4.12	43	21843	54.35	ug/l	100
20) Methylene Chloride	4.91	84	17333	2.26	ug/l	98
25) 2-Butanone	7.15	43	3272	6.05	ug/l #	83
26) 2,2-Dichloropropane	7.15	77	3209	1.89	ug/l #	52
29) Tetrahydrofuran	7.55	42	466	1.38	ug/l #	50
31) Cyclohexane	7.95	56	3950	1.42	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	12847	4.56	ug/l #	51
37) Ethyl Acetate	7.15	43	3272	2.41	ug/l #	1
38) Carbon Tetrachloride	7.95	117	15326	5.83	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	51013	56.18	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51013	124.27	ug/l #	11

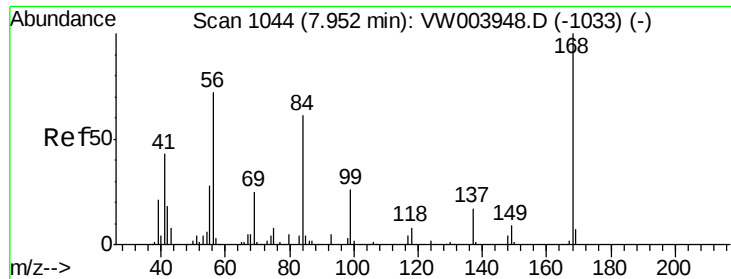
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004020.D

Acq: 18 Jul 2018 08:37

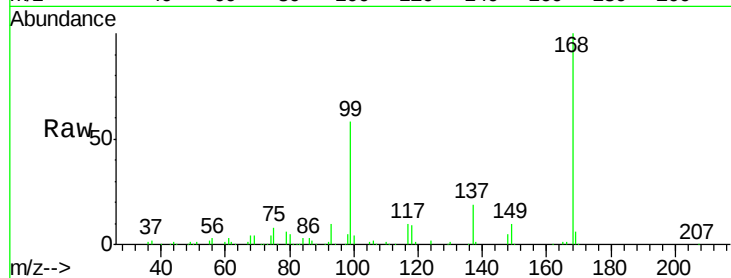
Instrument :
MSVOA_W
ClientSampleId :
TP-F-SRE

Tot Ion:168 Resp: 149630

Ion Ratio Lower Upper

168 100

99 57.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

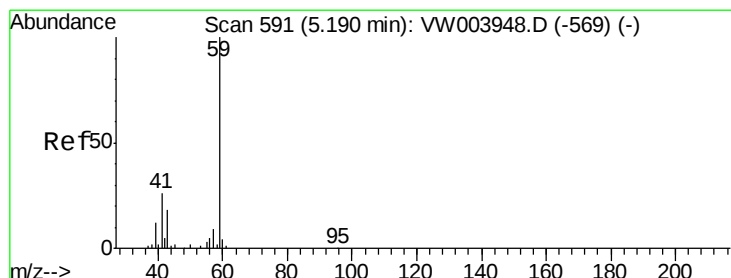
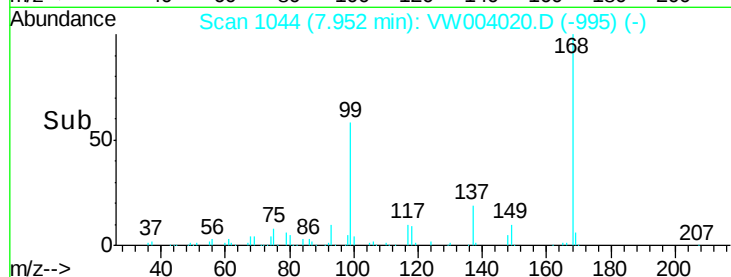
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 5.87 ug/l

RT: 5.20 min Scan# 593

Delta R.T. 0.01 min

Lab File: VW004020.D

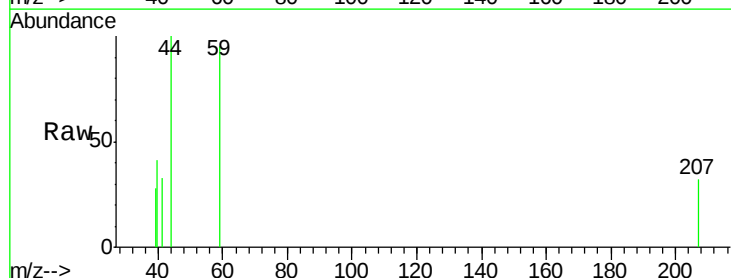
Acq: 18 Jul 2018 08:37

Tgt Ion: 59 Resp: 678

Ion Ratio Lower Upper

59 100

57 3.7 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

400

300

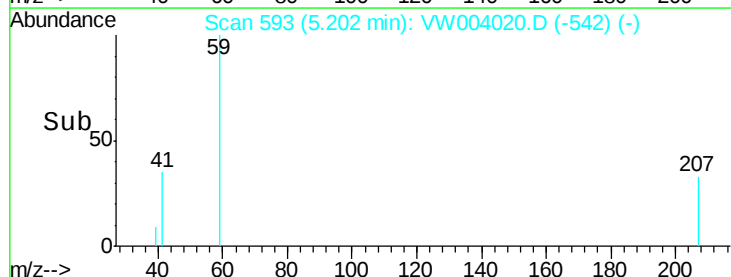
200

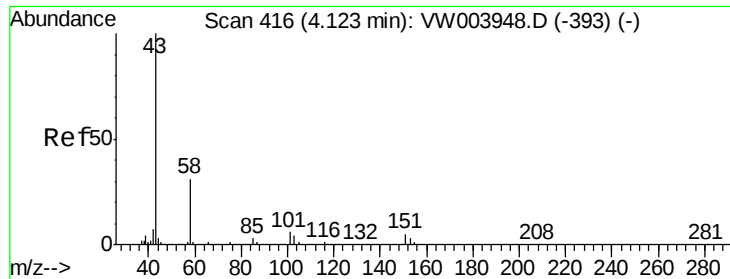
100

0

5.15 5.20 5.25

Time-->





#16

Acetone

Concen: 54.35 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004020.D

Acq: 18 Jul 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

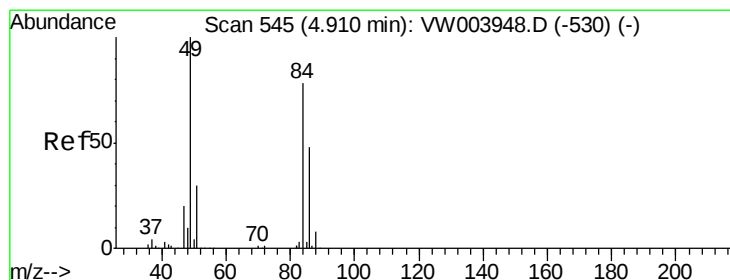
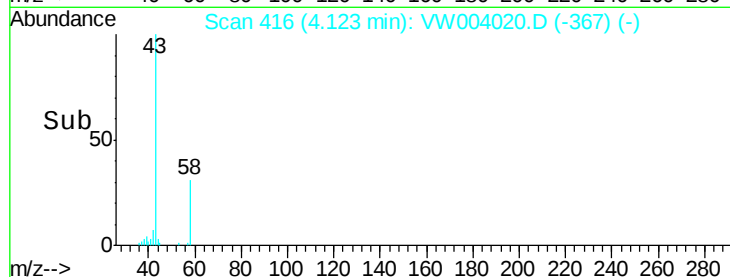
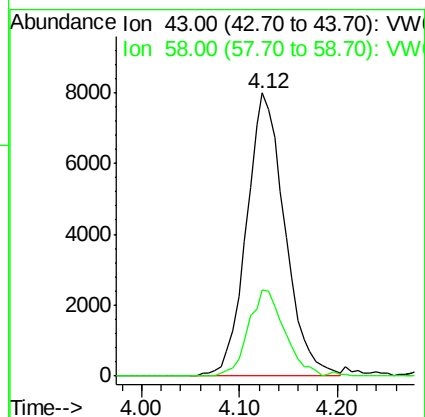
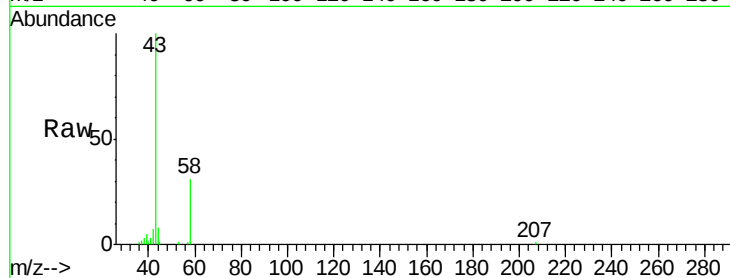
TP-F-SRE

Tot Ion: 43 Resp: 21843

Ion Ratio Lower Upper

43 100

58 30.6 24.5 36.7



#20

Methylene Chloride

Concen: 2.26 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW004020.D

Acq: 18 Jul 2018 08:37

Tgt Ion: 84 Resp: 17333

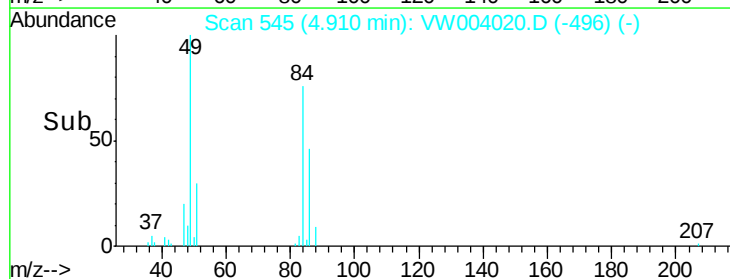
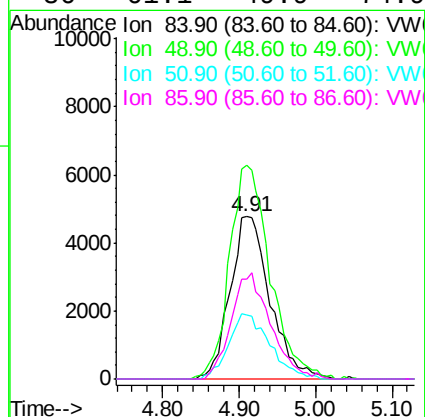
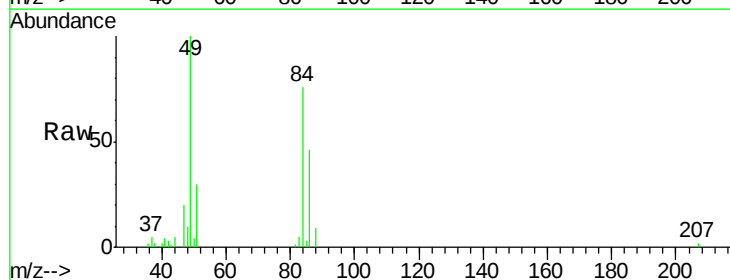
Ion Ratio Lower Upper

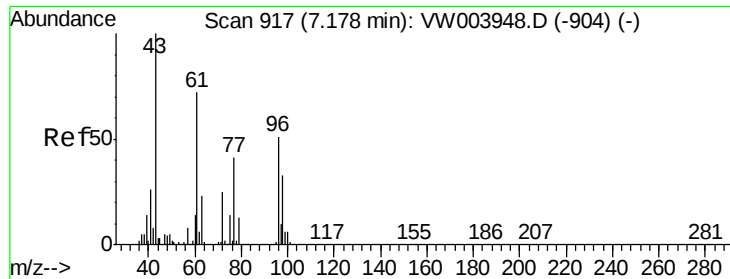
84 100

49 131.4 102.9 154.3

51 39.0 30.9 46.3

86 61.1 49.9 74.9





#25

2-Butanone

Concen: 6.05 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.03 min

Lab File: VW004020.D

Acq: 18 Jul 2018 08:37

Instrument :

MSVOA_W

ClientSampled :

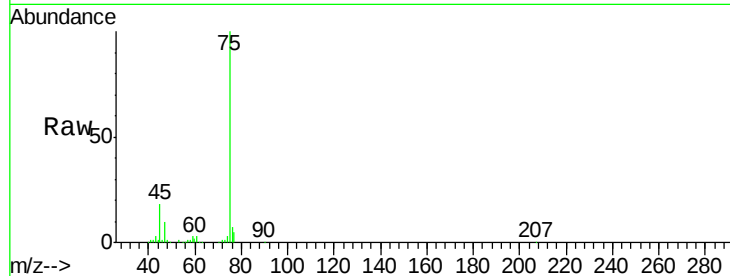
TP-F-SRE

Tot Ion: 43 Resp: 3272

Ion Ratio Lower Upper

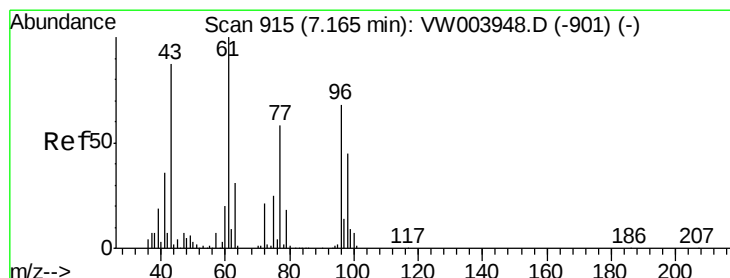
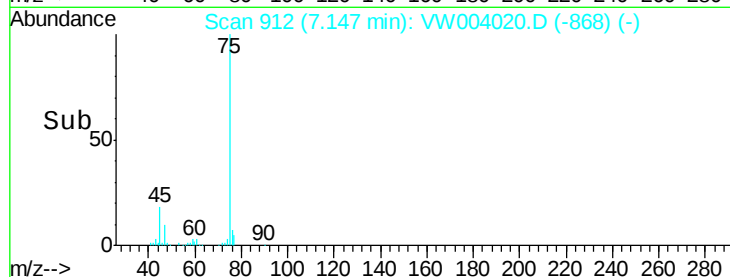
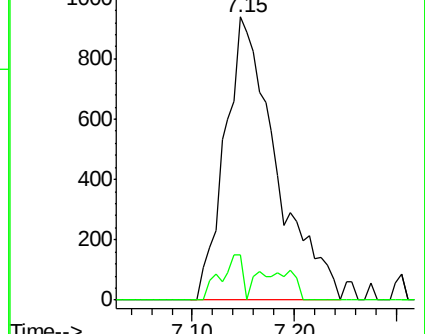
43 100

72 16.1 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.89 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW004020.D

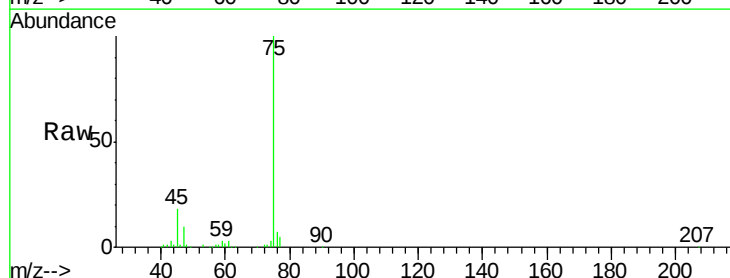
Acq: 18 Jul 2018 08:37

Tgt Ion: 77 Resp: 3209

Ion Ratio Lower Upper

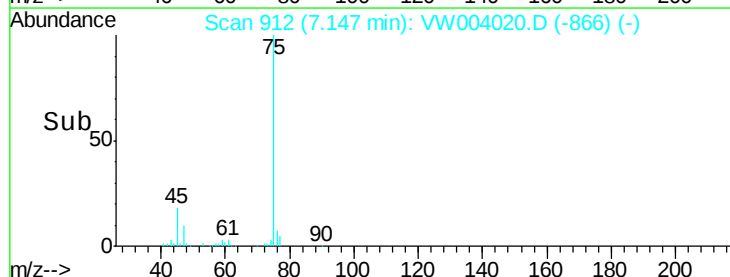
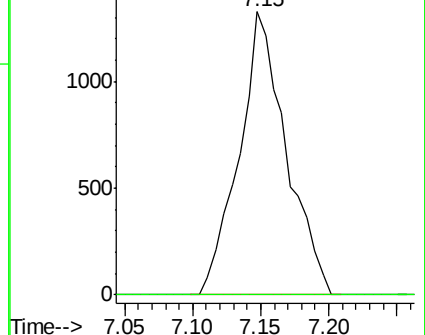
77 100

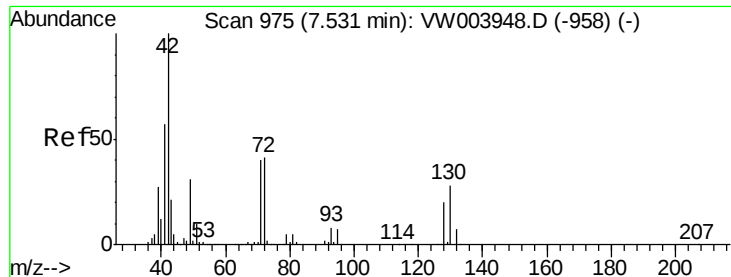
97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

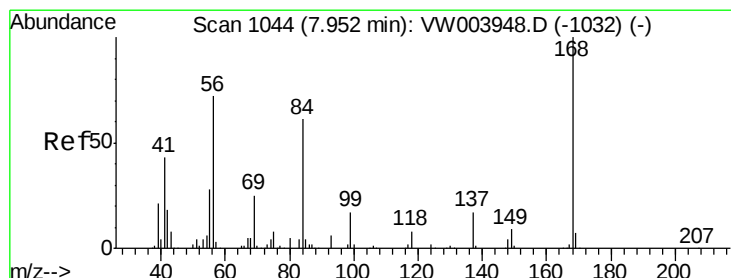
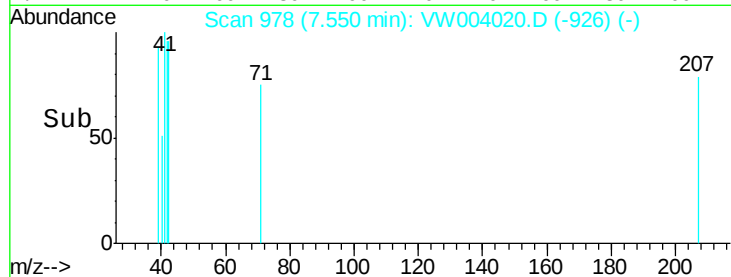
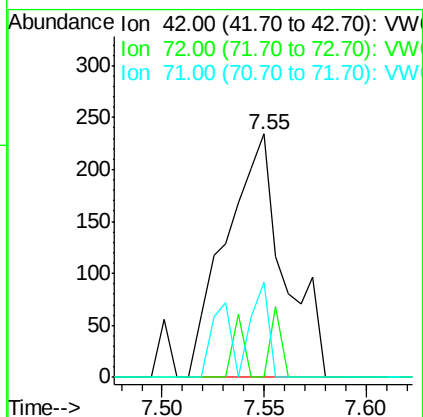
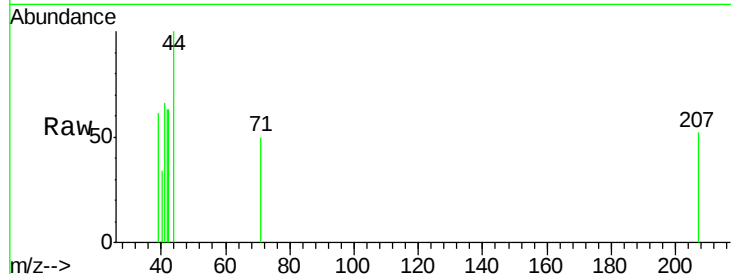




#29
Tetrahydrofuran
Concen: 1.38 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.02 min
Lab File: VW004020.D
Acq: 18 Jul 2018 08:37

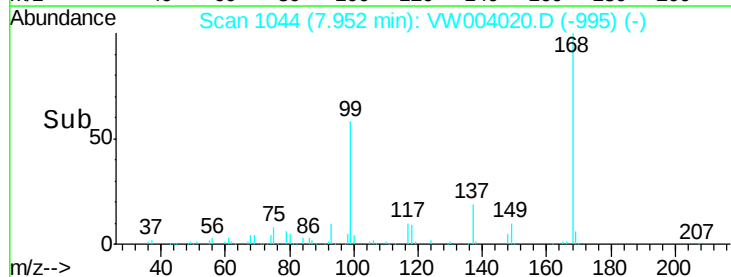
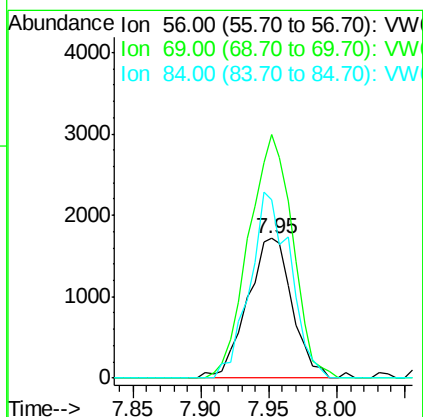
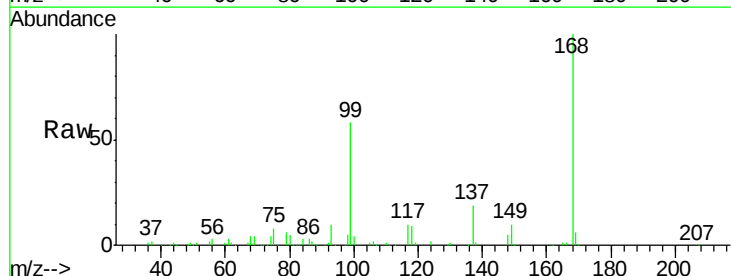
Instrument :
MSVOA_W
ClientSampleId :
TP-F-SRE

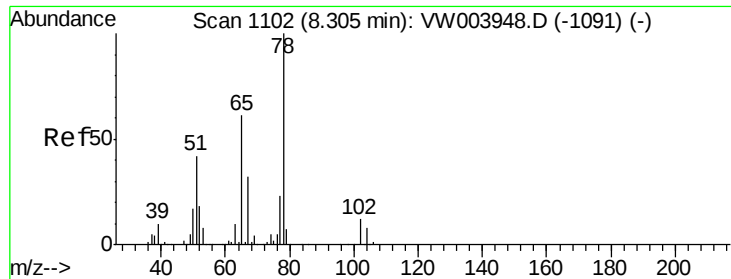
Tot Ion: 42 Resp: 466
Ion Ratio Lower Upper
42 100
72 5.4 32.6 48.8#
71 11.8 30.5 45.7#



#31
Cyclohexane
Concen: 1.42 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW004020.D
Acq: 18 Jul 2018 08:37

Tgt Ion: 56 Resp: 3950
Ion Ratio Lower Upper
56 100
69 174.1 27.8 41.8#
84 127.1 67.2 100.8#

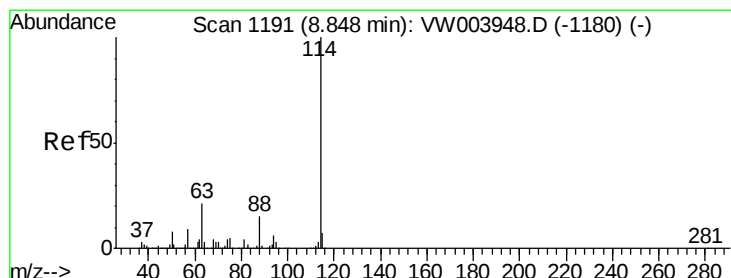
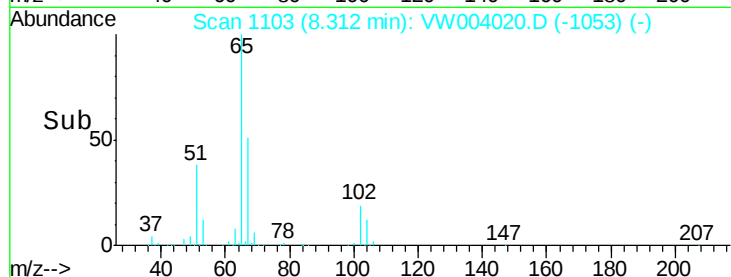
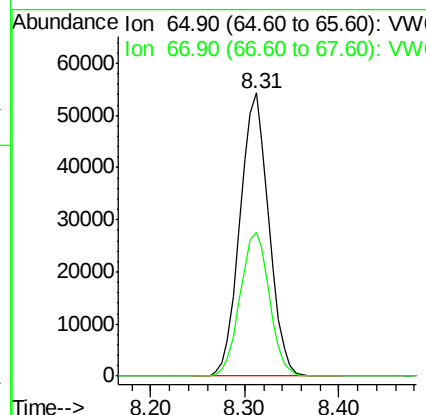
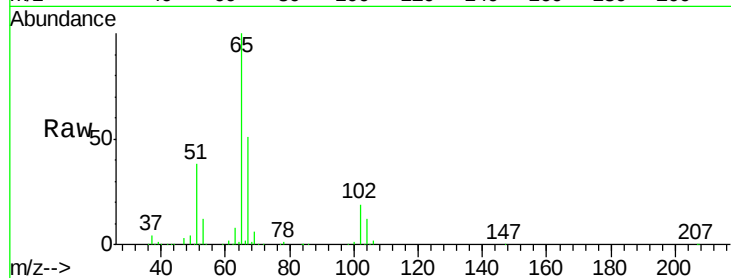




#33
 1,2-Dichloroethane-d4
 Concen: 69.36 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW004020.D
 Acq: 18 Jul 2018 08:37

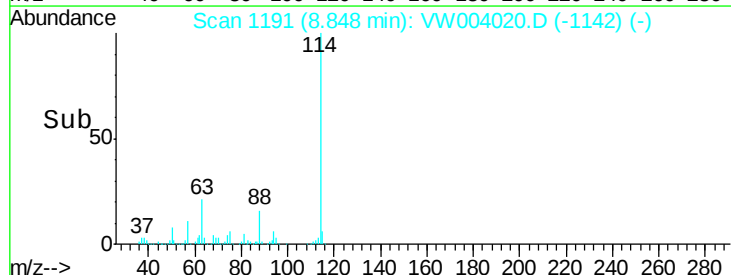
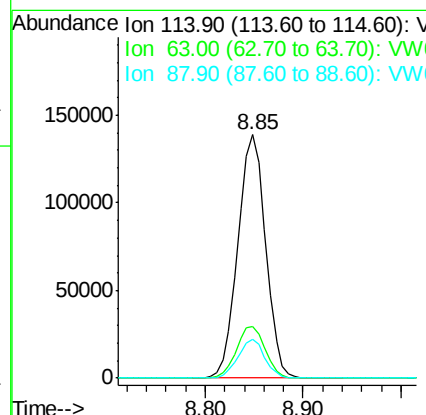
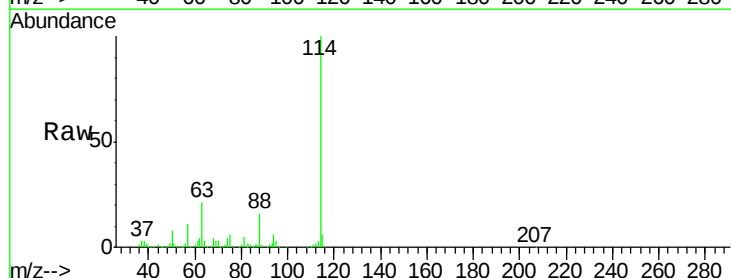
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-F-SRE

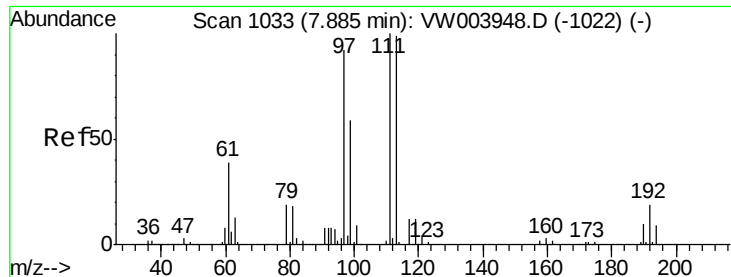
Tot Ion: 65 Resp: 116005
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004020.D
 Acq: 18 Jul 2018 08:37

Tgt Ion: 114 Resp: 273600
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.8
 88 15.8 0.0 30.4

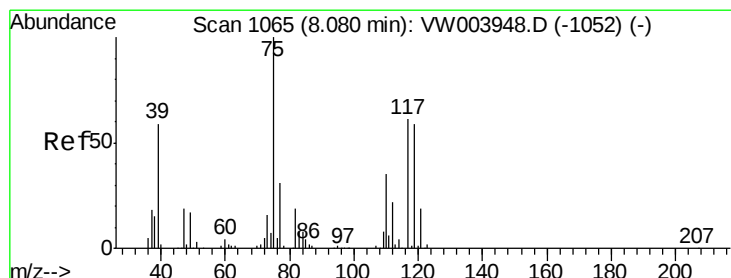
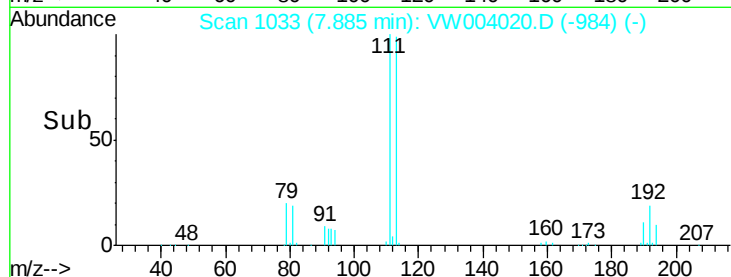
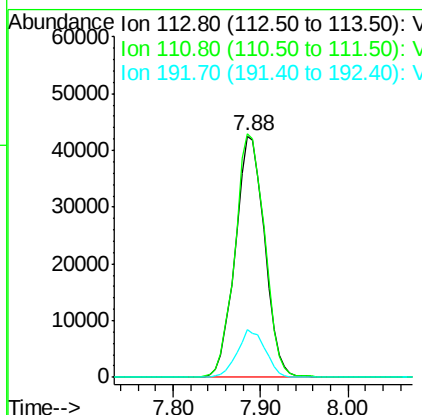
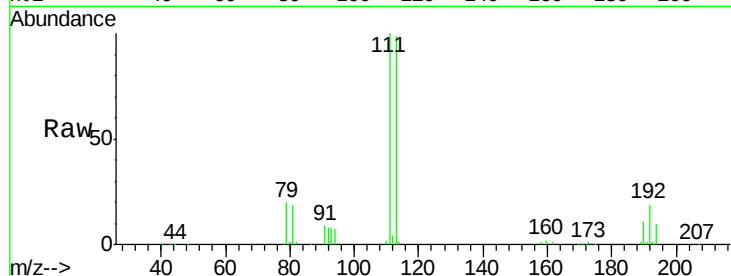




#35
 Dibromofluoromethane
 Concen: 56.58 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004020.D
 Acq: 18 Jul 2018 08:37

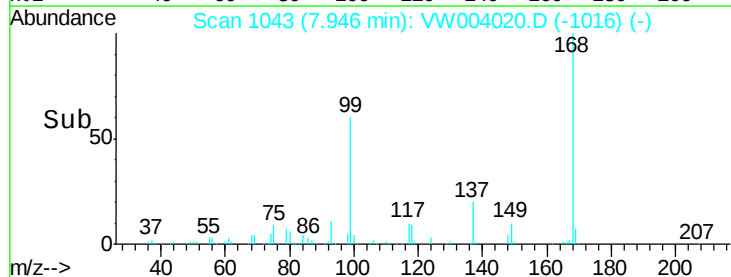
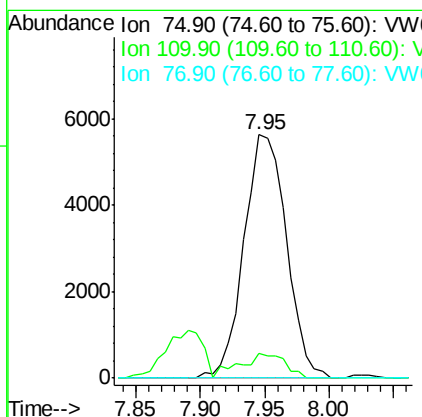
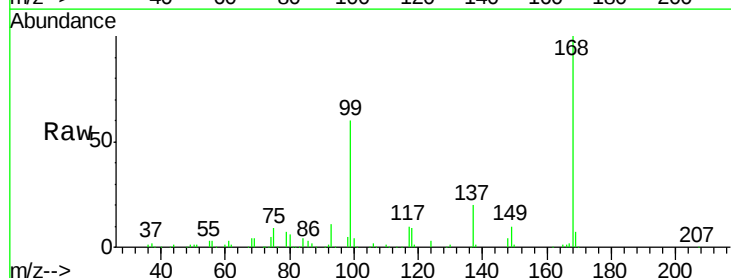
Instrument :
 MSVOA_W
 ClientSampled :
 TP-F-SRE

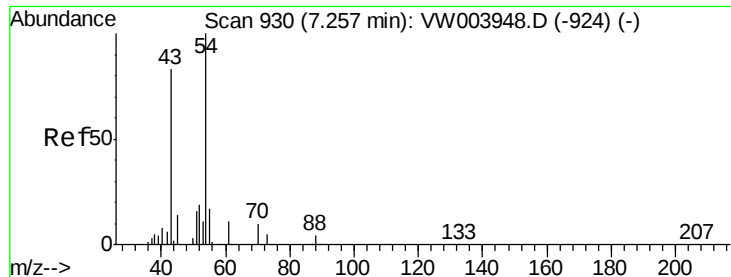
Tot Ion:113 Resp: 99320
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.3 121.9
 192 19.0 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.56 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW004020.D
 Acq: 18 Jul 2018 08:37

Tgt Ion: 75 Resp: 12847
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.0 51.0#
 77 0.0 24.9 37.3#

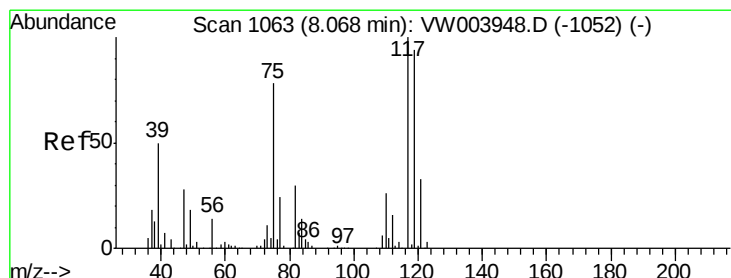
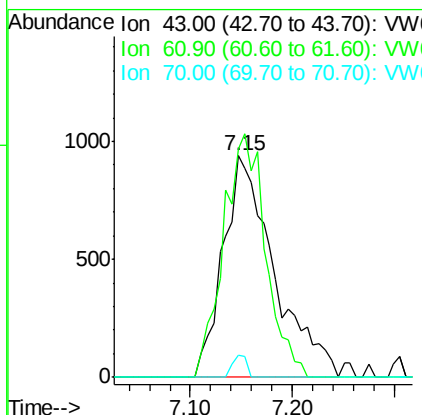
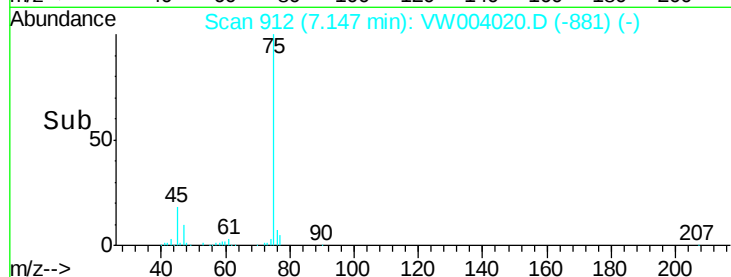
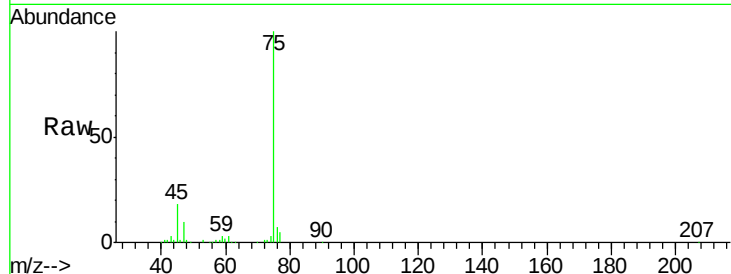




#37
Ethyl Acetate
Concen: 2.41 ug/l
RT: 7.15 min Scan# 912
Delta R.T. -0.11 min
Lab File: VW004020.D
Acq: 18 Jul 2018 08:37

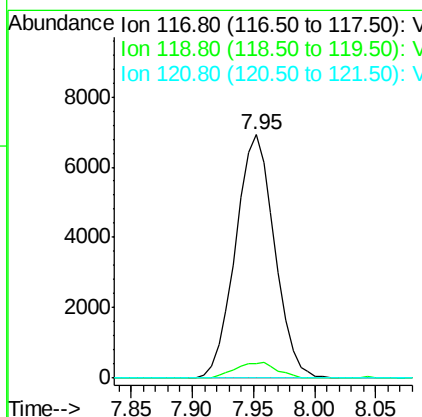
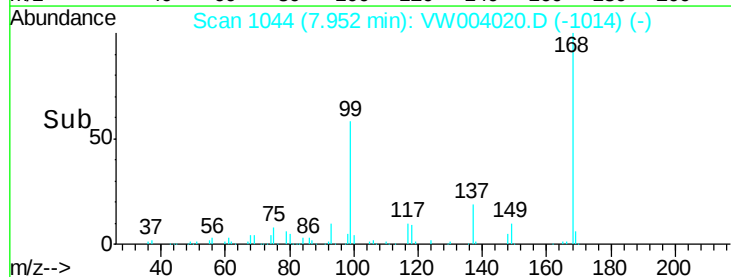
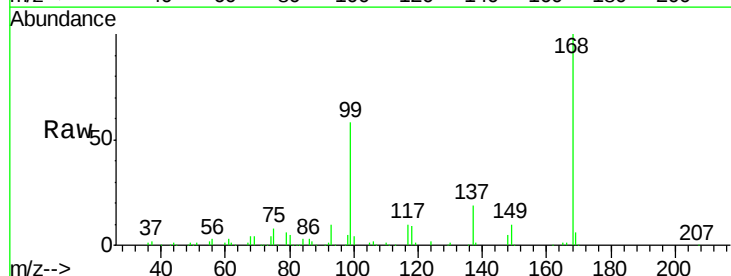
Instrument :
MSVOA_W
ClientSampled :
TP-F-SRE

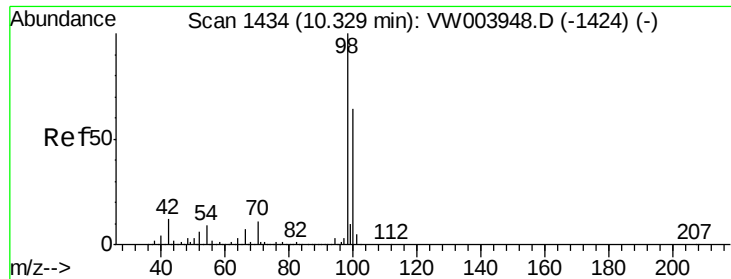
Tot Ion: 43 Resp: 3272
Ion Ratio Lower Upper
43 100
61 90.5 10.7 16.1#
70 2.7 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 5.83 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004020.D
Acq: 18 Jul 2018 08:37

Tgt Ion: 117 Resp: 15326
Ion Ratio Lower Upper
117 100
119 6.2 75.3 112.9#
121 0.0 26.0 39.0#





#50

Toluene-d8

Concen: 47.15 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004020.D

Acq: 18 Jul 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

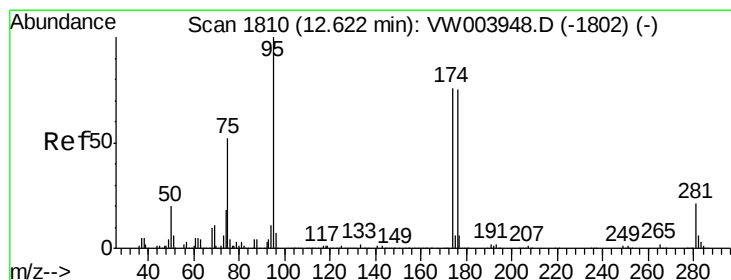
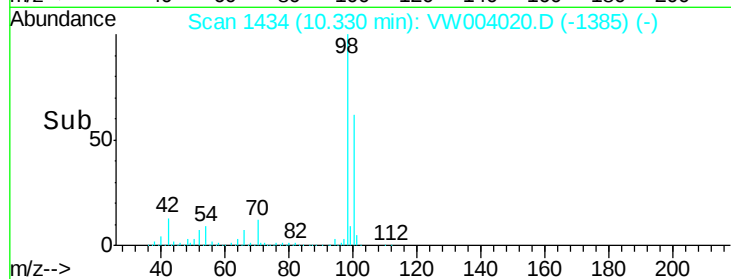
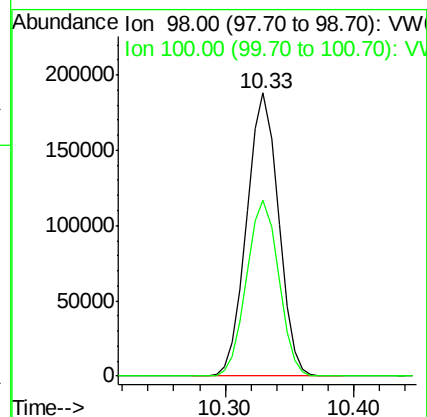
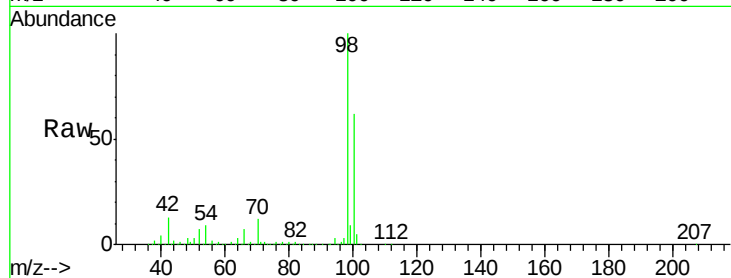
TP-F-SRE

Tot Ion: 98 Resp: 321167

Ion Ratio Lower Upper

98 100

100 62.8 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 38.78 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW004020.D

Acq: 18 Jul 2018 08:37

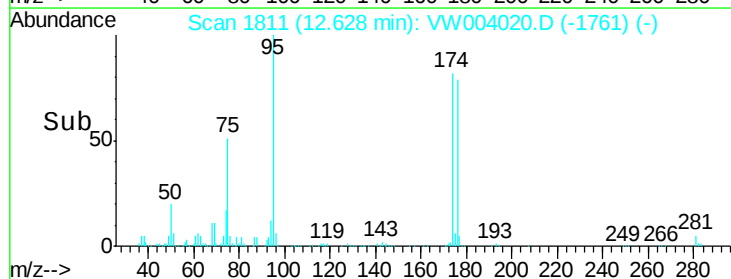
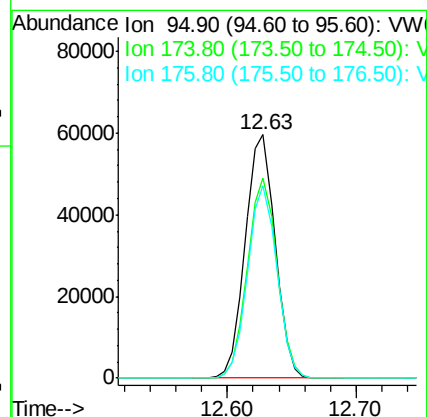
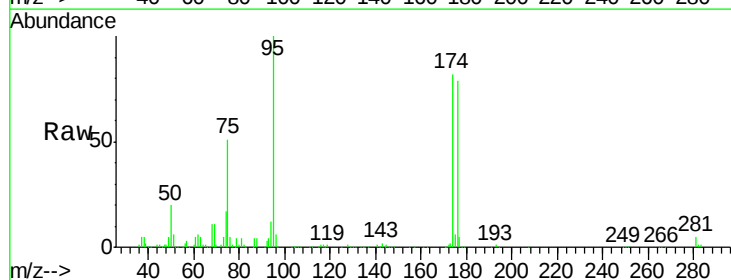
Tgt Ion: 95 Resp: 95255

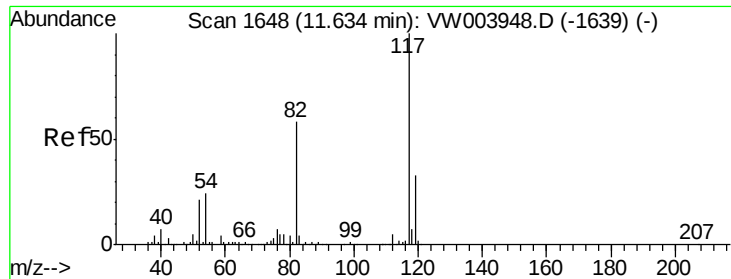
Ion Ratio Lower Upper

95 100

174 81.6 0.0 160.2

176 77.4 0.0 155.8

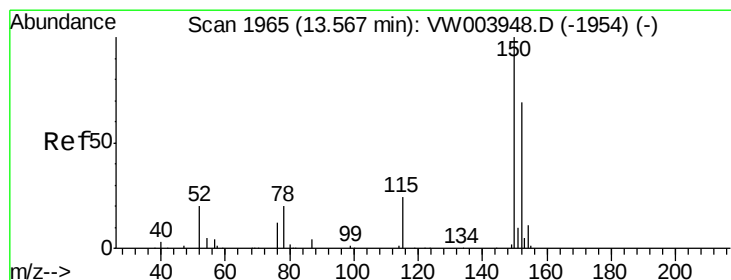
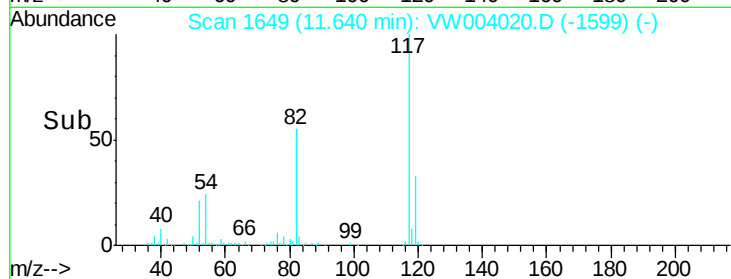
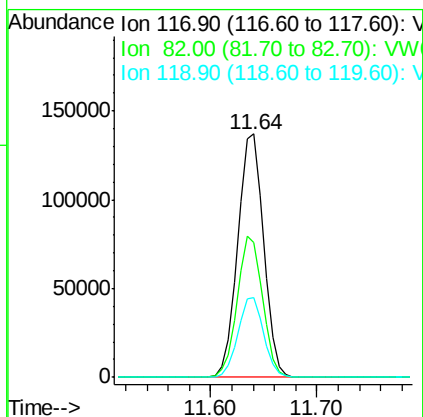
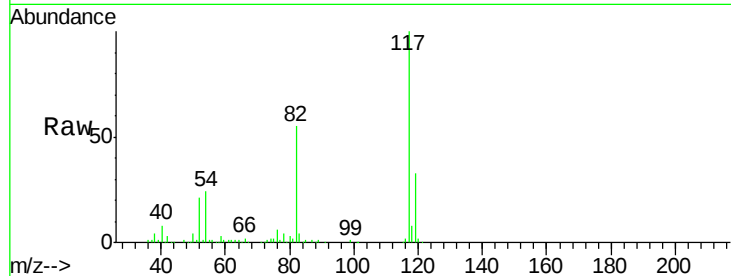




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004020.D
Acq: 18 Jul 2018 08:37

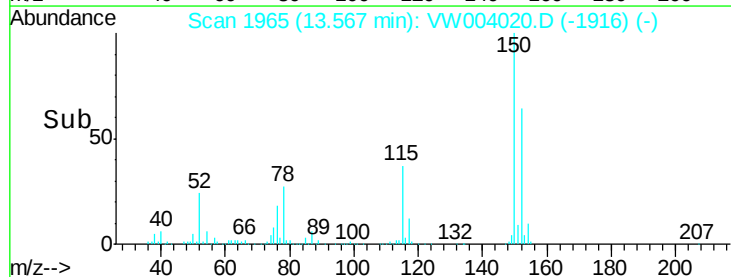
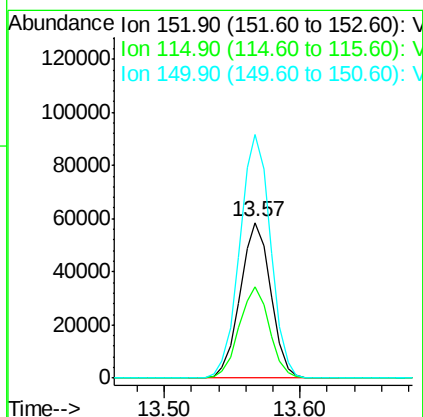
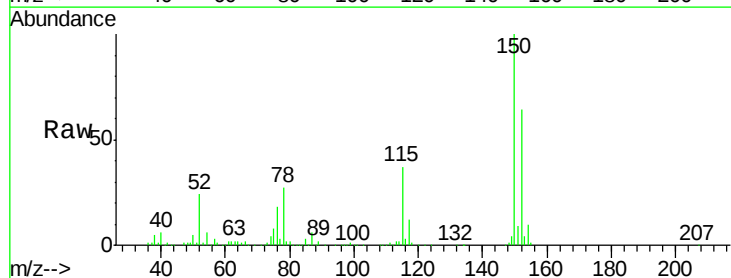
Instrument :
MSVOA_W
ClientSampleId :
TP-F-SRE

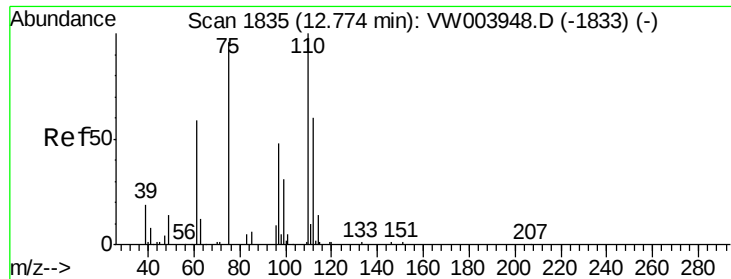
Tot Ion:117 Resp: 235576
Ion Ratio Lower Upper
117 100
82 55.4 46.5 69.7
119 32.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004020.D
Acq: 18 Jul 2018 08:37

Tgt Ion:152 Resp: 91463
Ion Ratio Lower Upper
152 100
115 58.3 29.2 87.6
150 158.3 0.0 345.2

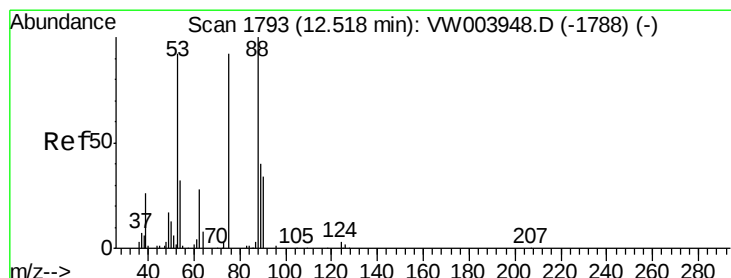
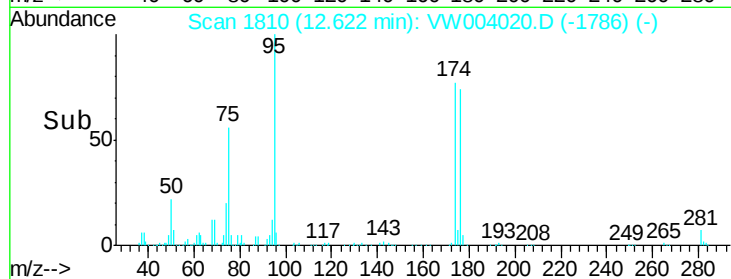
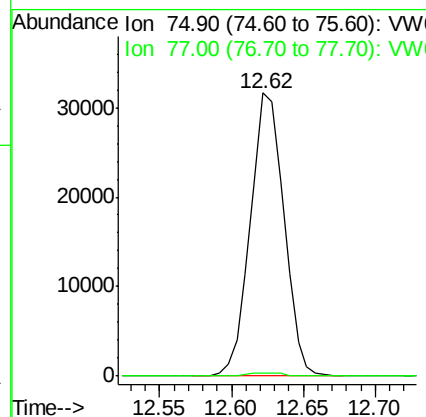
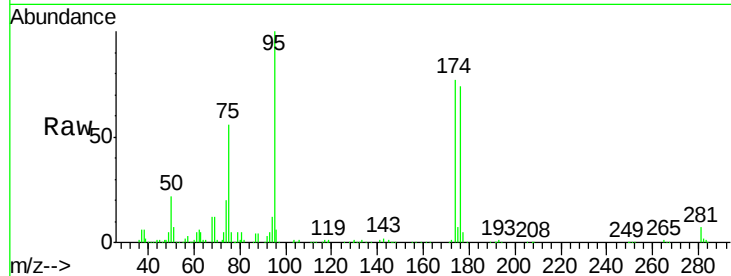




#76
 1,2,3-Trichloropropane
 Concen: 56.18 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004020.D
 Acq: 18 Jul 2018 08:37

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-F-SRE

Tot Ion: 75 Resp: 51013
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.27 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004020.D
 Acq: 18 Jul 2018 08:37

Tgt Ion: 75 Resp: 51013
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.6 116.4#
 89 0.0 36.6 54.8#

