

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021419\
 Data File : VW008669.D
 Acq On : 14 Feb 2019 16:34
 Operator : SY/VA
 Sample : K1484-03RE
 Misc : 4.81G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 M-2-SRE

Quant Time: Feb 15 02:49:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	403801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	609563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	544260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	277298	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	214298	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
35) Dibromofluoromethane	7.88	113	187673	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	10.32	98	728899	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.62	95	261585	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	

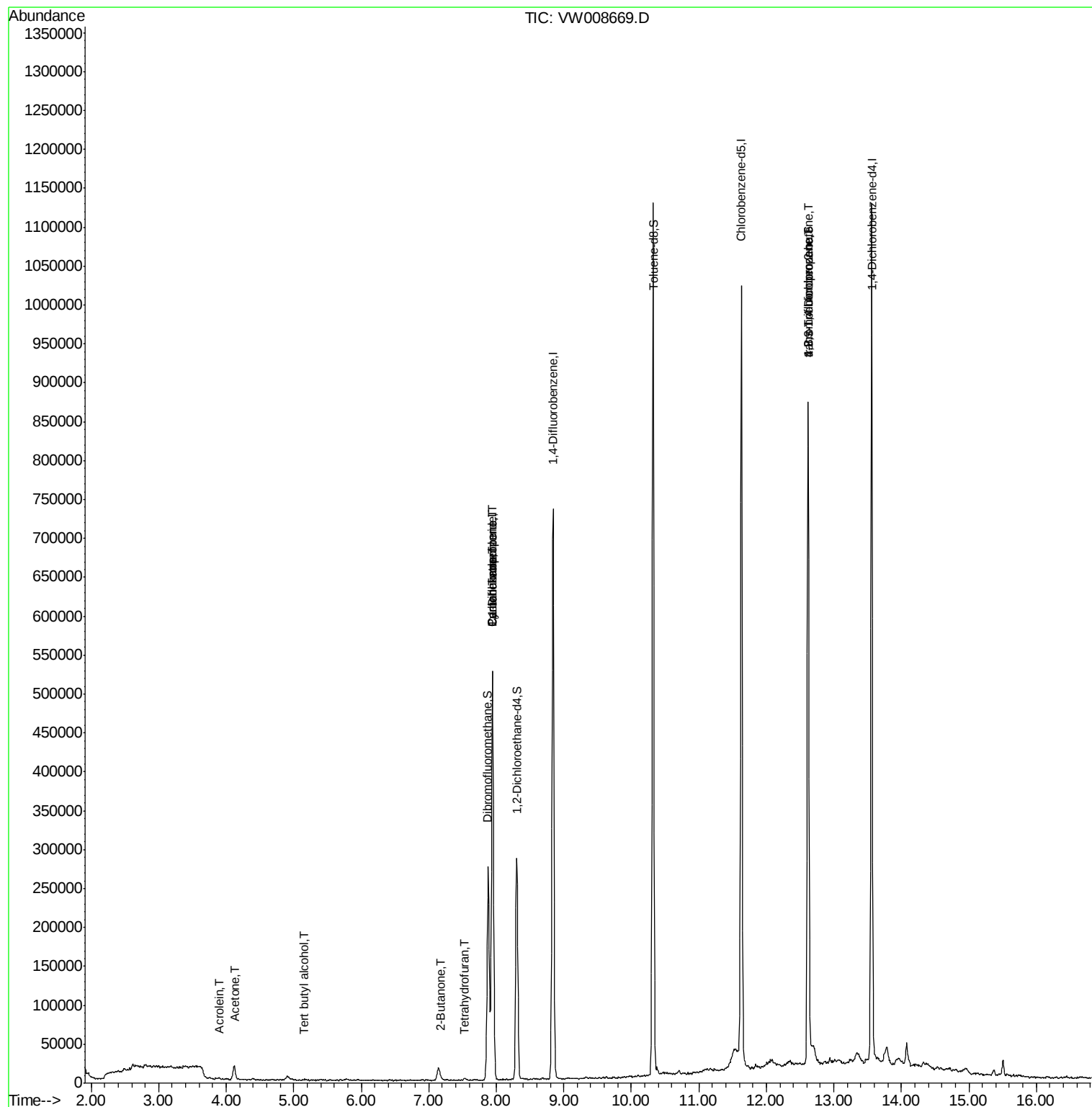
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	558	1.661	ug/l #	93
13) Acrolein	3.89	56	1317	3.806	ug/l #	49
16) Acetone	4.12	43	31806	33.294	ug/l	99
20) Methylene Chloride	4.90	84	3749	Below Cal	#	83
25) 2-Butanone	7.18	43	3931	2.914	ug/l	90
29) Tetrahydrofuran	7.53	42	1528	1.719	ug/l	97
31) Cyclohexane	7.95	56	9914	1.291	ug/l #	33
36) 1,1-Dichloropropene	7.95	75	30130	4.920	ug/l #	51
38) Carbon Tetrachloride	7.95	117	39556	6.496	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	135563	49.508	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	135563	106.175	ug/l #	7

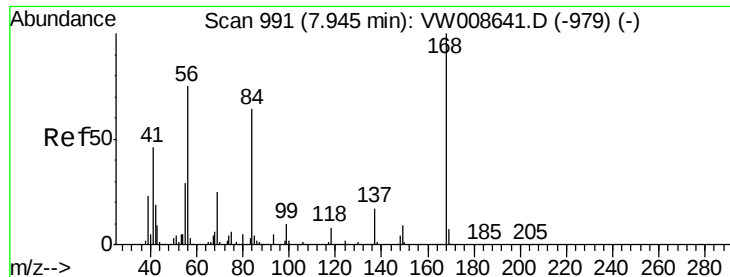
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW021419\
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Quant Time: Feb 15 02:49:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 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: VW008669.D

Acq: 14 Feb 2019 16:34

Instrument :

MSVOA_W

ClientSampled :

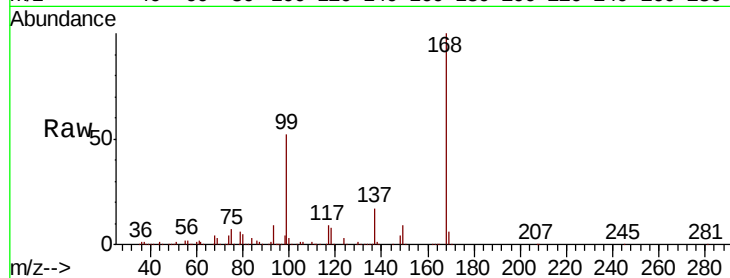
M-2-SRE

Tgt Ion:168 Resp: 403801

Ion Ratio Lower Upper

168 100

99 52.3 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

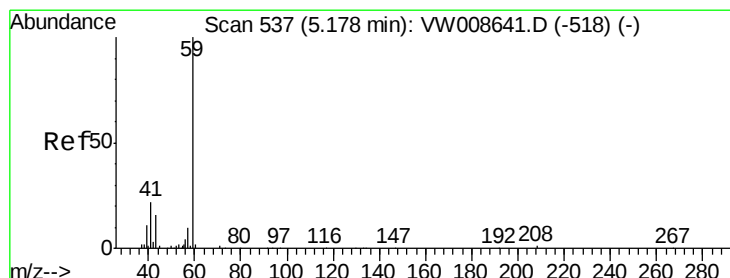
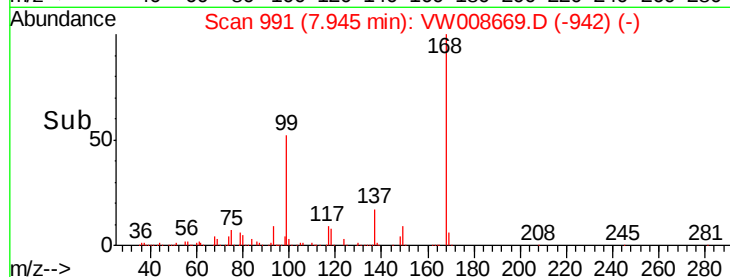
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.661 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW008669.D

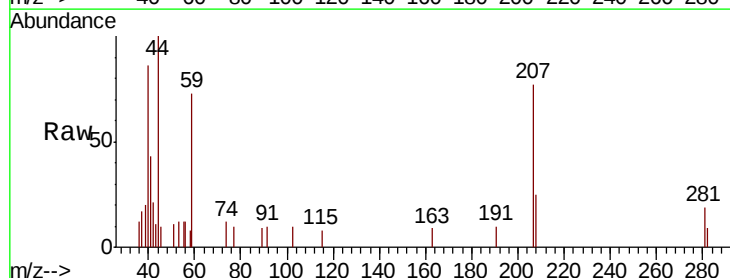
Acq: 14 Feb 2019 16:34

Tgt Ion: 59 Resp: 558

Ion Ratio Lower Upper

59 100

57 7.7 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

600

500

400

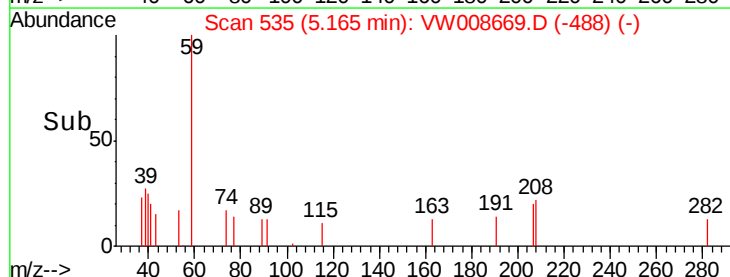
300

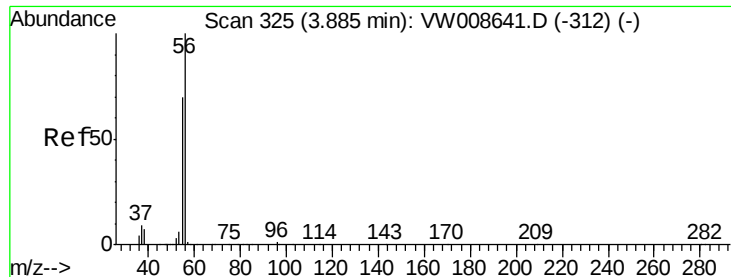
200

100

0

Time-->

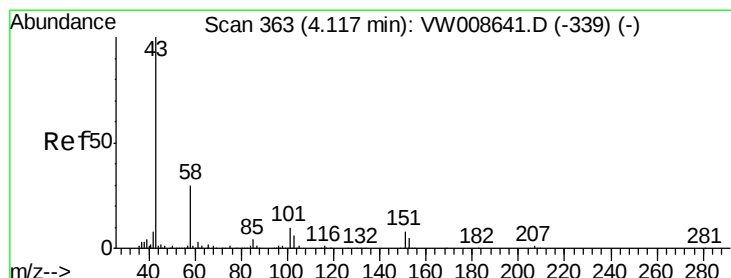
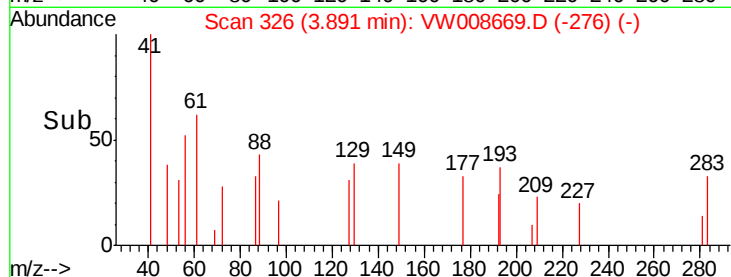
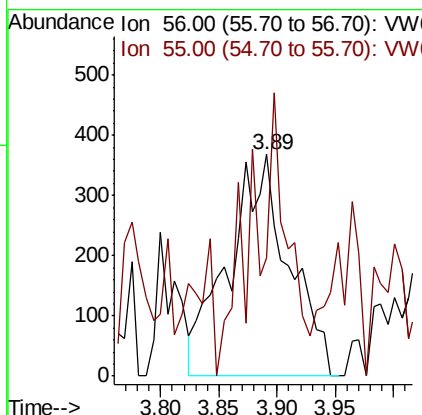
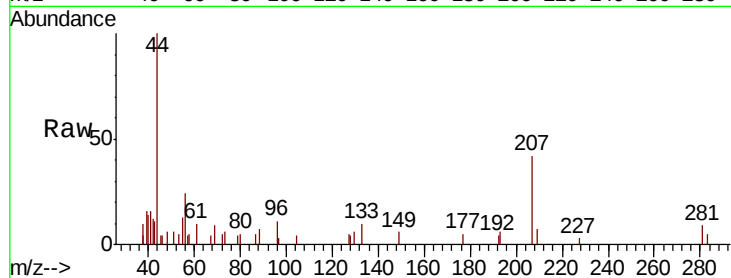




#13
Acrolein
Concen: 3.806 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW008669.D
Acq: 14 Feb 2019 16:34

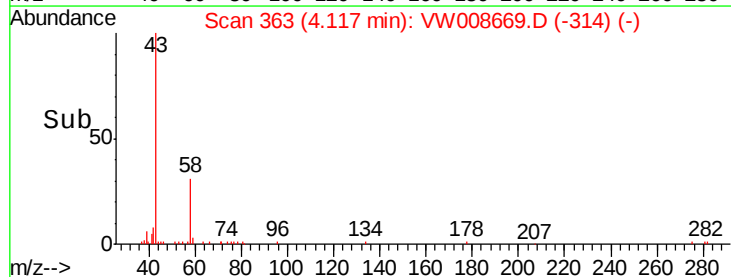
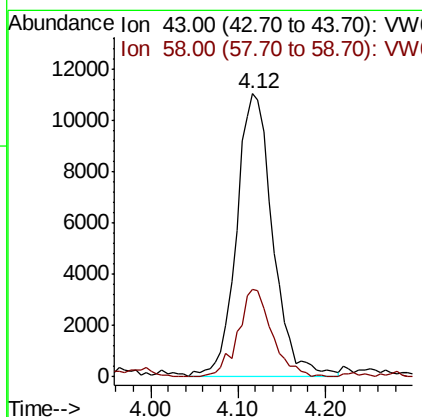
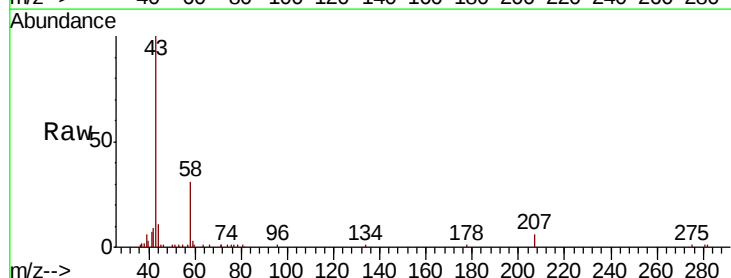
Instrument :
MSVOA_W
ClientSampleId :
M-2-SRE

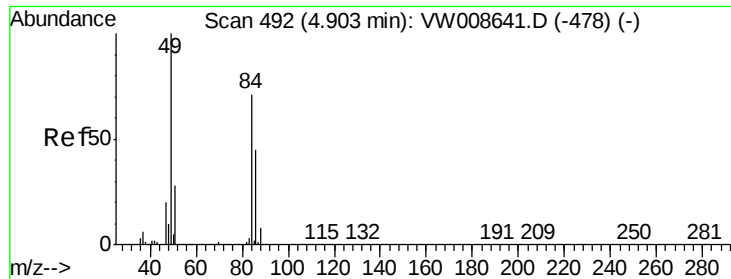
Tgt Ion: 56 Resp: 1317
Ion Ratio Lower Upper
56 100
55 29.5 57.4 86.2#



#16
Acetone
Concen: 33.294 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW008669.D
Acq: 14 Feb 2019 16:34

Tgt Ion: 43 Resp: 31806
Ion Ratio Lower Upper
43 100
58 30.7 24.1 36.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. 0.00 min

Lab File: VW008669.D

Acq: 14 Feb 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

M-2-SRE

Tgt Ion: 84 Resp: 3749

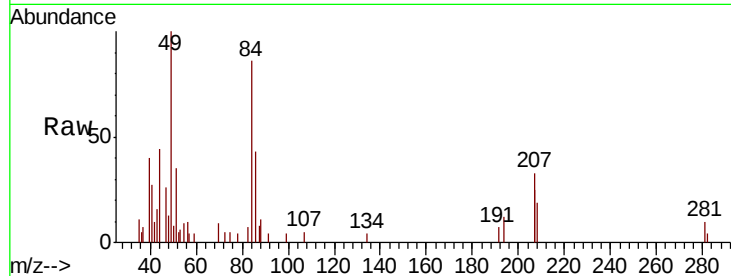
Ion Ratio Lower Upper

84 100

49 116.7 113.3 169.9

51 40.8 32.1 48.1

86 49.8 50.9 76.3#

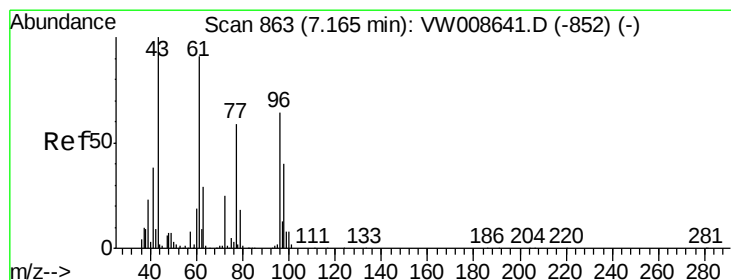
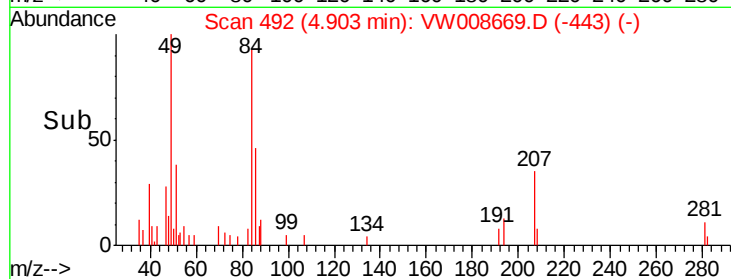
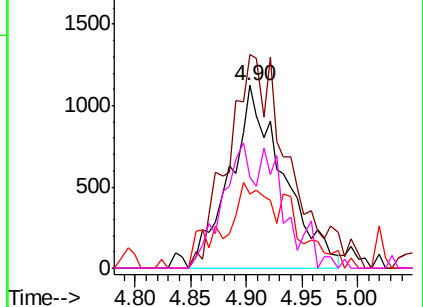


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 2.914 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008669.D

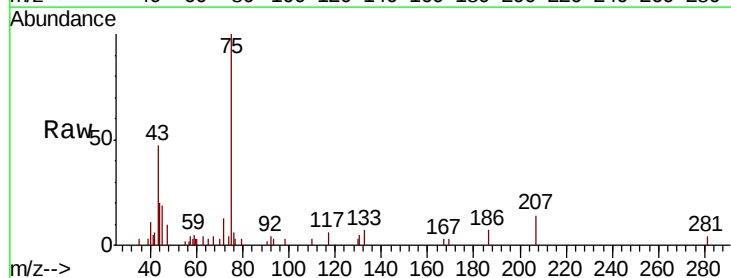
Acq: 14 Feb 2019 16:34

Tgt Ion: 43 Resp: 3931

Ion Ratio Lower Upper

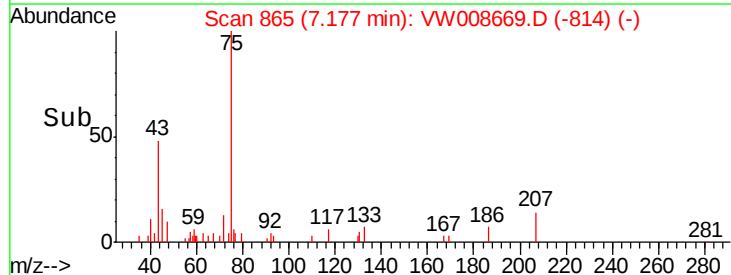
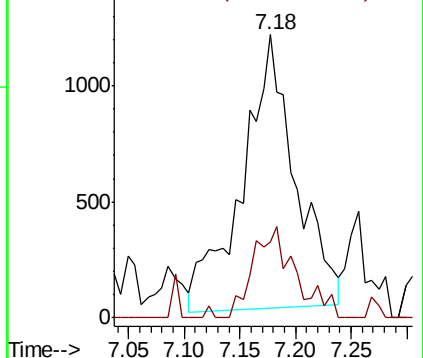
43 100

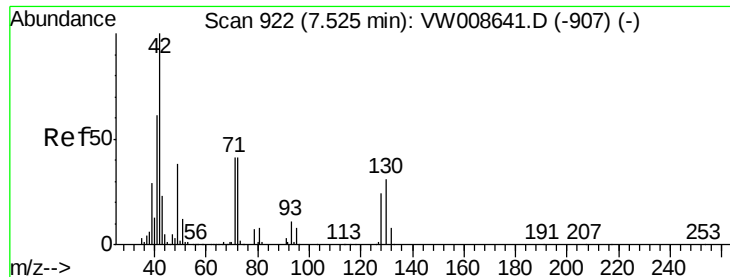
72 29.4 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.719 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW008669.D

Acq: 14 Feb 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

M-2-SRE

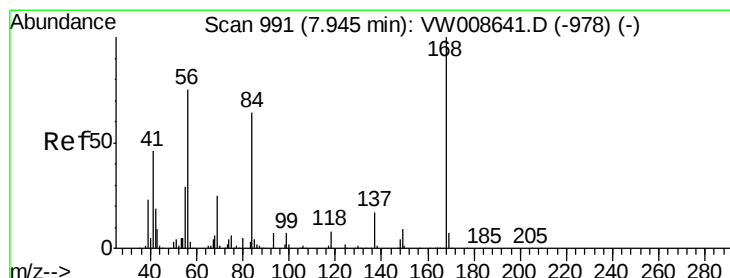
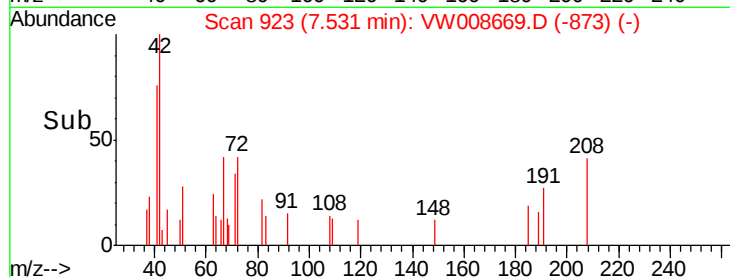
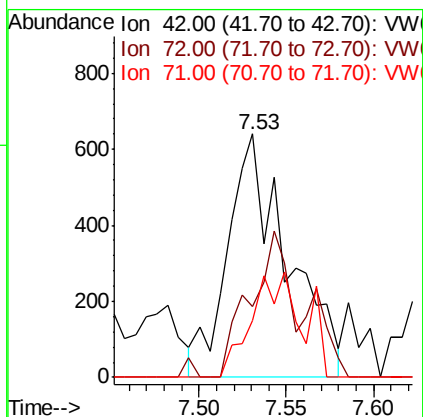
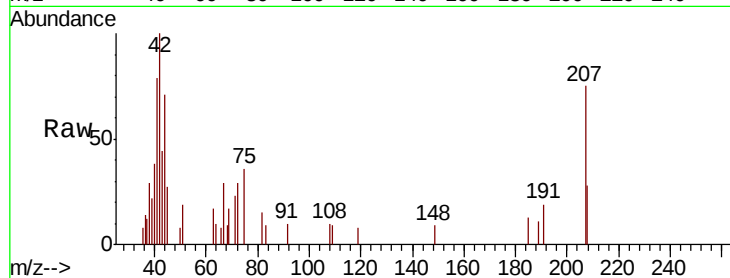
Tgt Ion: 42 Resp: 1528

Ion Ratio Lower Upper

42 100

72 42.3 32.2 48.2

71 36.8 31.0 46.6



#31

Cyclohexane

Concen: 1.291 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008669.D

Acq: 14 Feb 2019 16:34

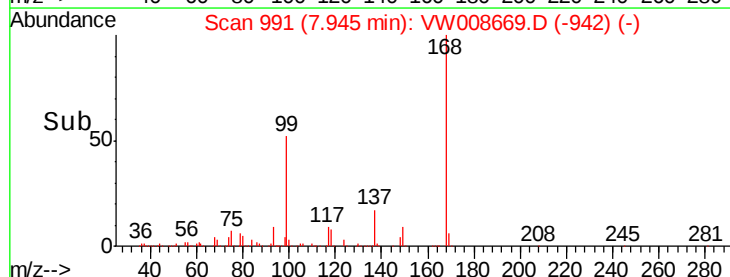
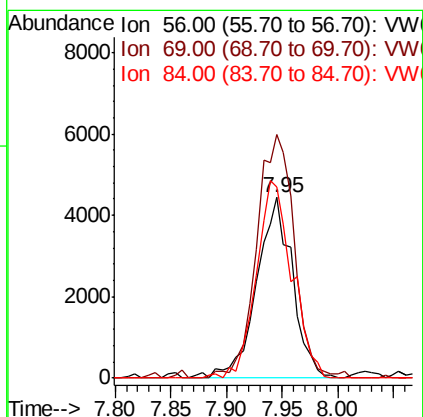
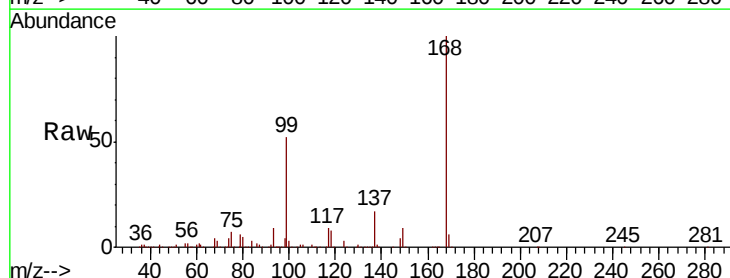
Tgt Ion: 56 Resp: 9914

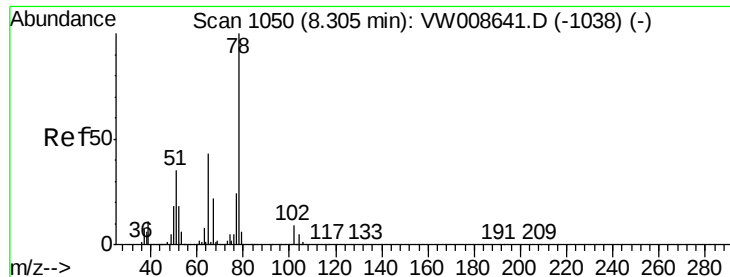
Ion Ratio Lower Upper

56 100

69 134.7 26.4 39.6#

84 105.6 67.4 101.2#





#33

1,2-Dichloroethane-d4

Concen: 51.047 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008669.D

Acq: 14 Feb 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

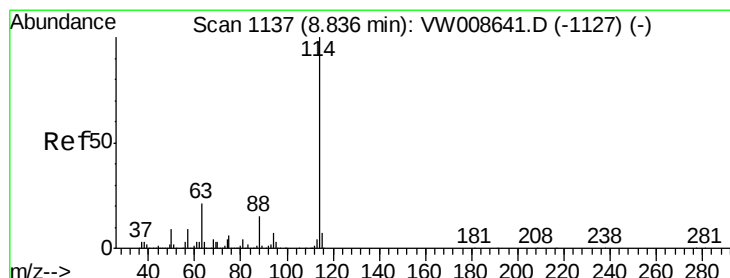
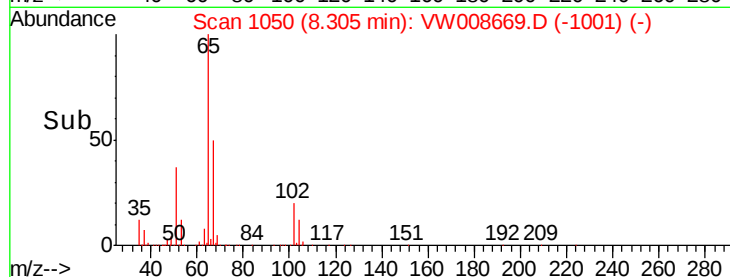
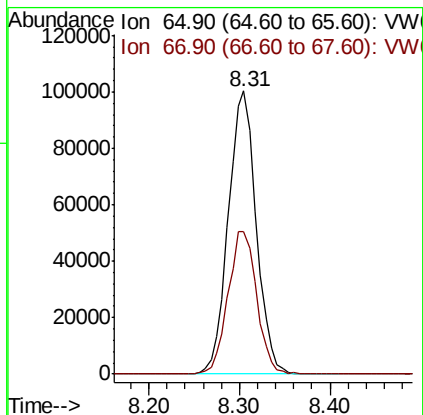
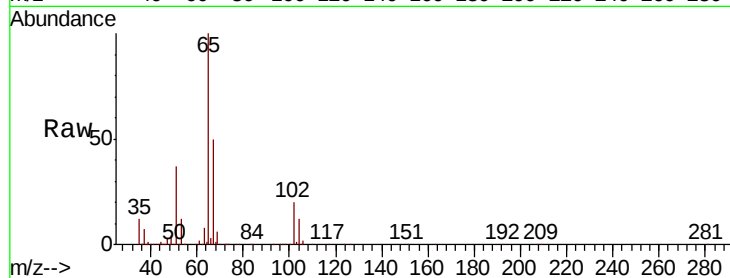
M-2-SRE

Tgt Ion: 65 Resp: 214298

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008669.D

Acq: 14 Feb 2019 16:34

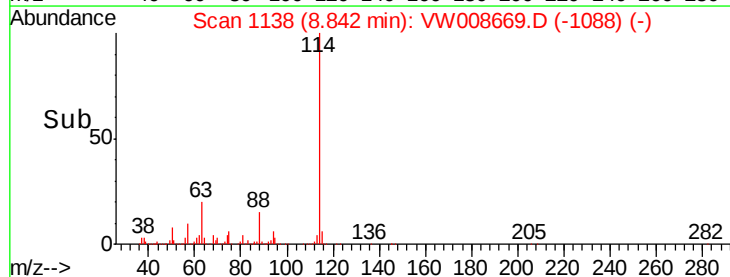
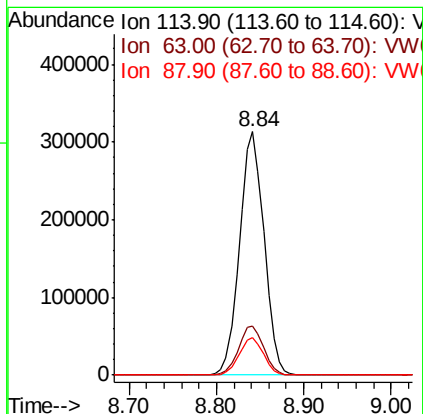
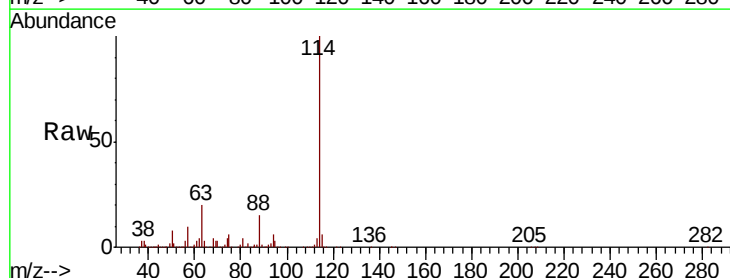
Tgt Ion: 114 Resp: 609563

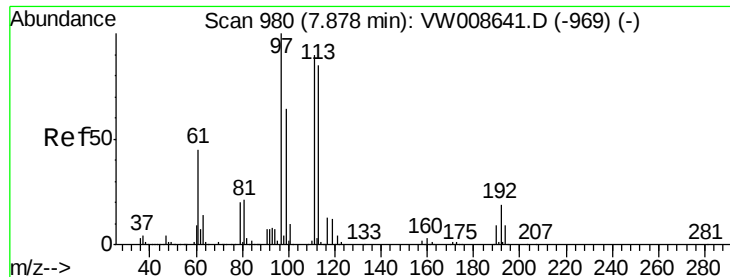
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.2

88 15.2 0.0 29.6

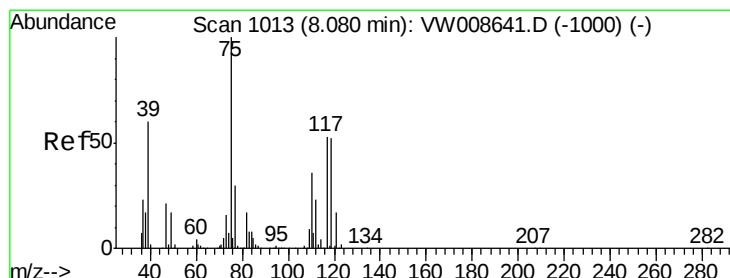
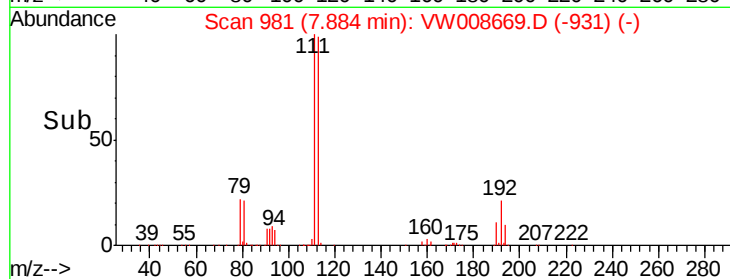
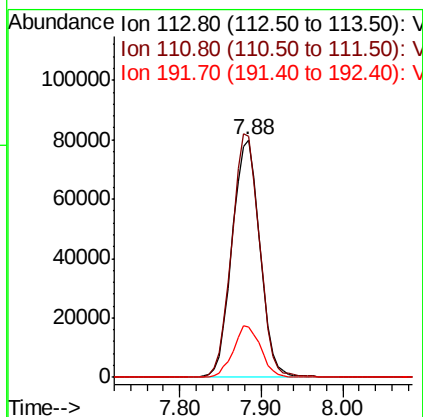
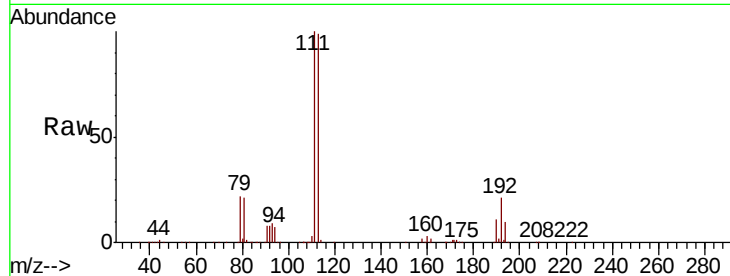




#35
 Dibromofluoromethane
 Concen: 49.583 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW008669.D
 Acq: 14 Feb 2019 16:34

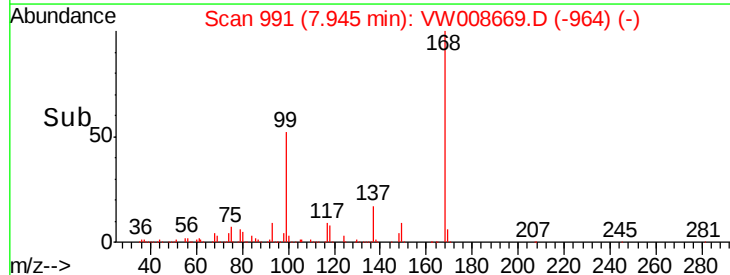
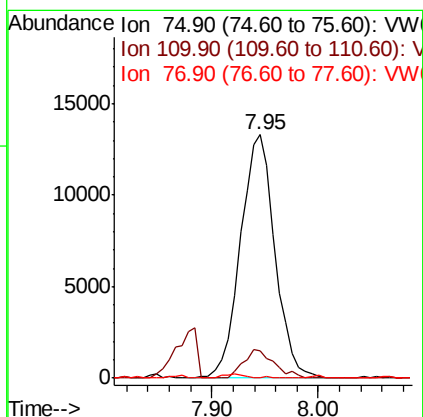
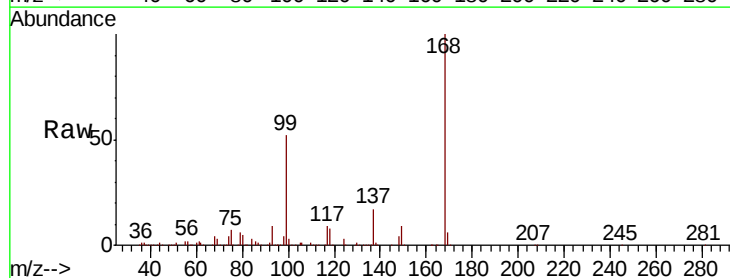
Instrument :
 MSVOA_W
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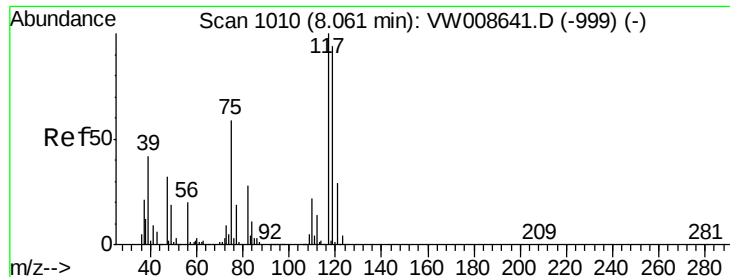
Tgt Ion:113 Resp: 187673
 Ion Ratio Lower Upper
 113 100
 111 102.0 84.0 126.0
 192 21.5 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 4.920 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008669.D
 Acq: 14 Feb 2019 16:34

Tgt Ion: 75 Resp: 30130
 Ion Ratio Lower Upper
 75 100
 110 10.4 17.8 53.3#
 77 0.1 24.7 37.1#

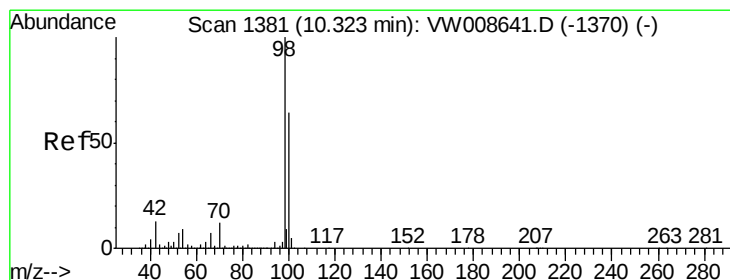
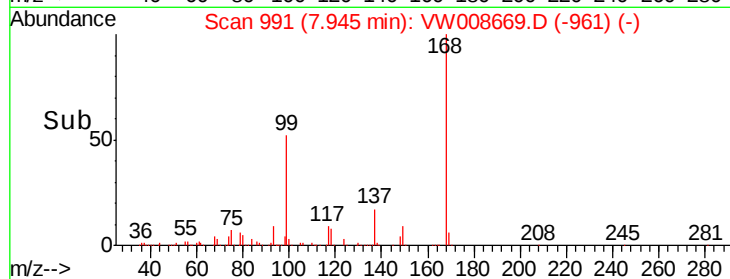
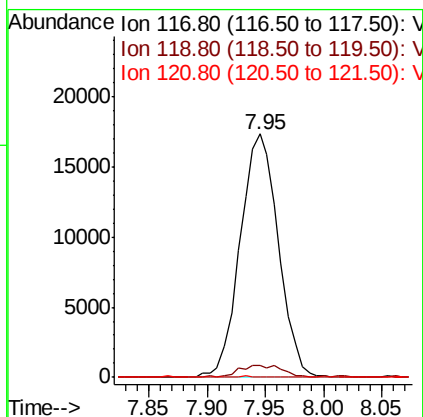
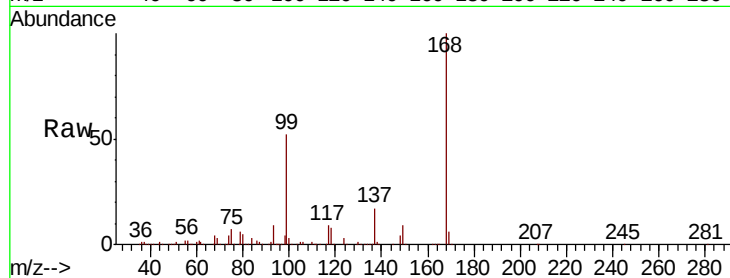




#38
Carbon Tetrachloride
Concen: 6.496 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008669.D
Acq: 14 Feb 2019 16:34

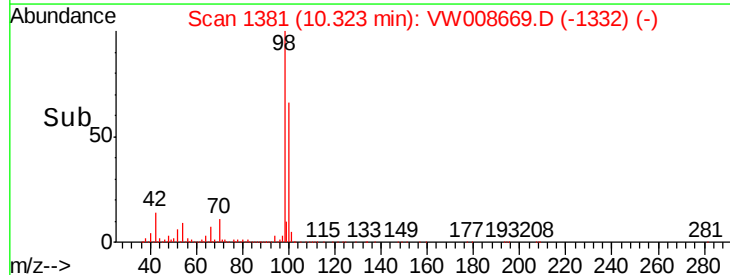
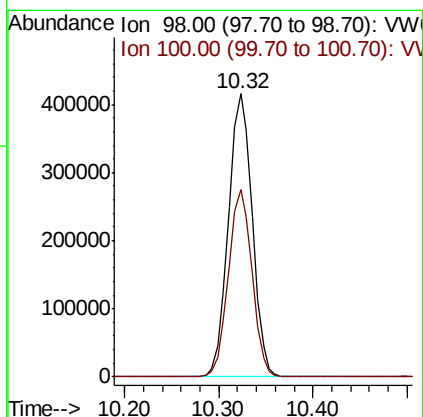
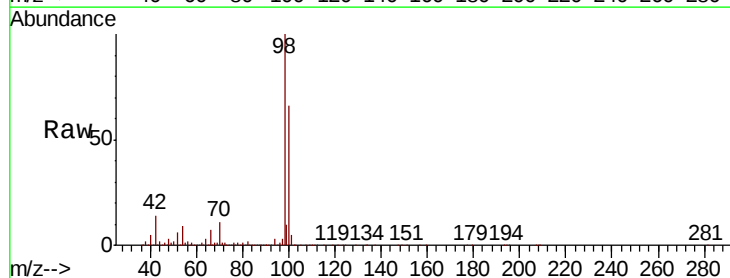
Instrument :
MSVOA_W
ClientSampleId :
M-2-SRE

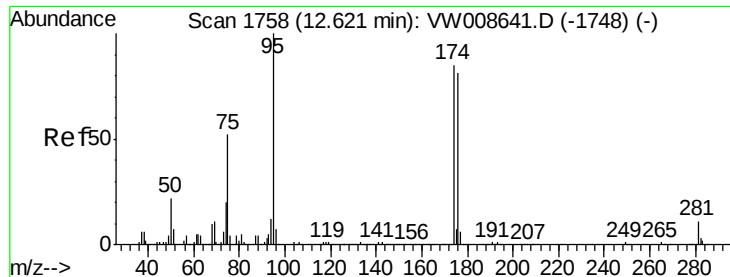
Tgt Ion: 117 Resp: 39556
Ion Ratio Lower Upper
117 100
119 4.7 75.1 112.7#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 49.956 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008669.D
Acq: 14 Feb 2019 16:34

Tgt Ion: 98 Resp: 728899
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

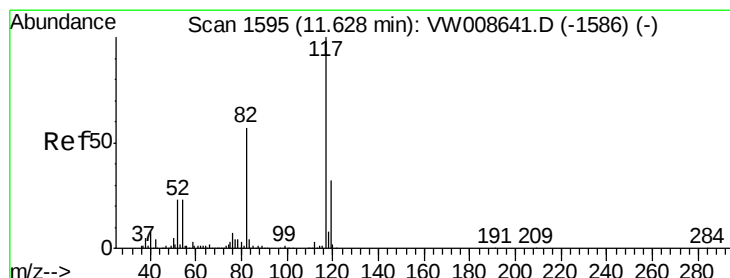
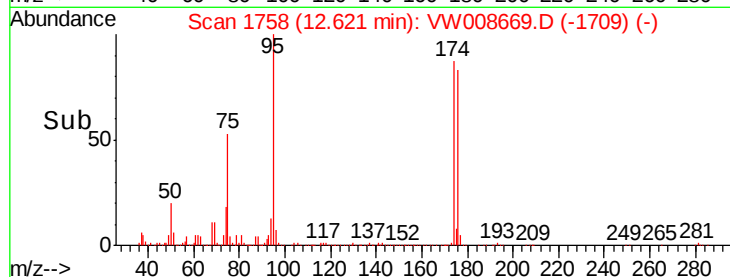
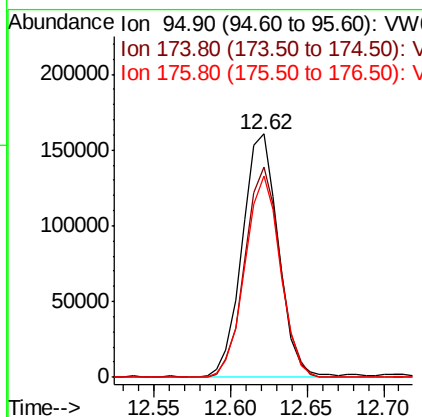
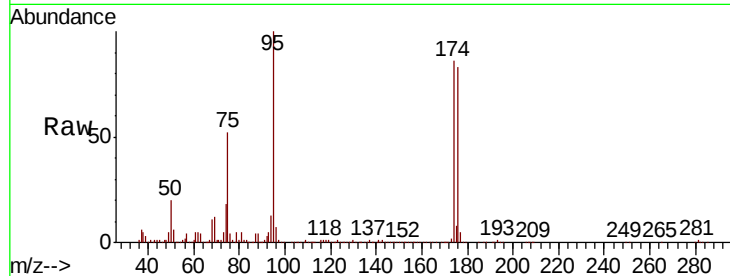




#62
4-Bromofluorobenzene
Concen: 47.597 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008669.D
Acq: 14 Feb 2019 16:34

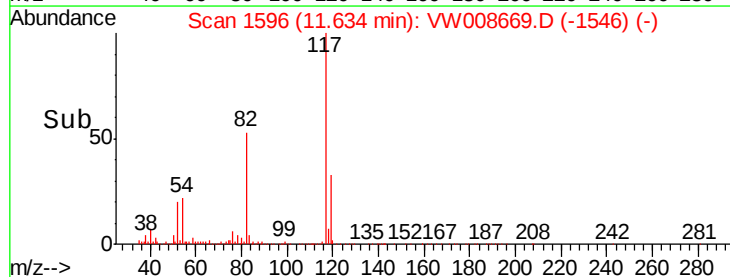
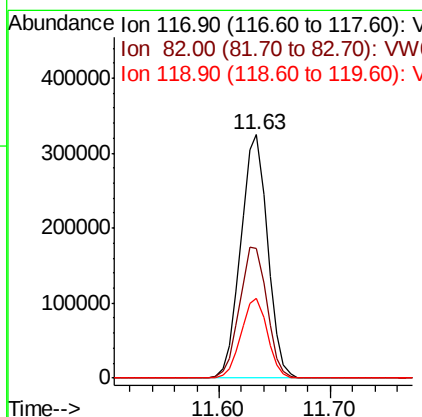
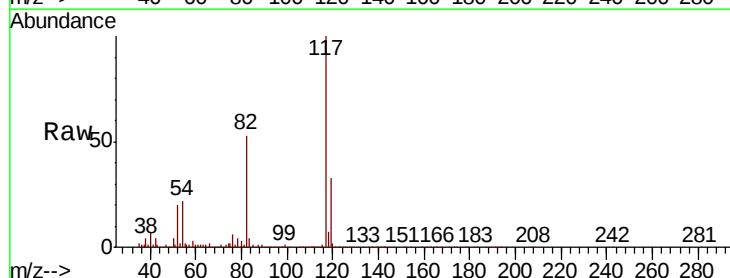
Instrument :
MSVOA_W
ClientSampleId :
M-2-SRE

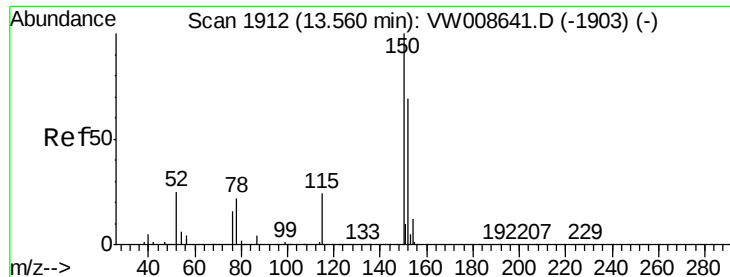
Tgt Ion: 95 Resp: 261585
Ion Ratio Lower Upper
95 100
174 85.5 0.0 163.2
176 82.1 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008669.D
Acq: 14 Feb 2019 16:34

Tgt Ion: 117 Resp: 544260
Ion Ratio Lower Upper
117 100
82 53.2 45.6 68.4
119 32.7 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008669.D

Acq: 14 Feb 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

M-2-SRE

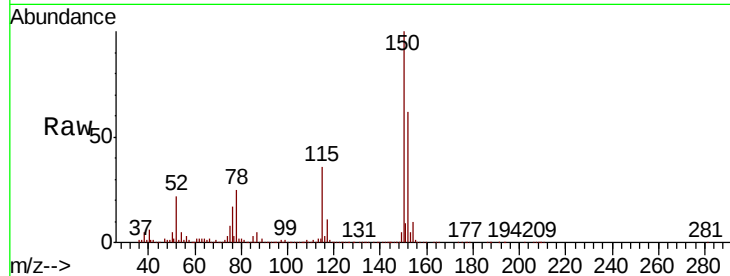
Tgt Ion: 152 Resp: 277298

Ion Ratio Lower Upper

152 100

115 57.2 29.3 87.8

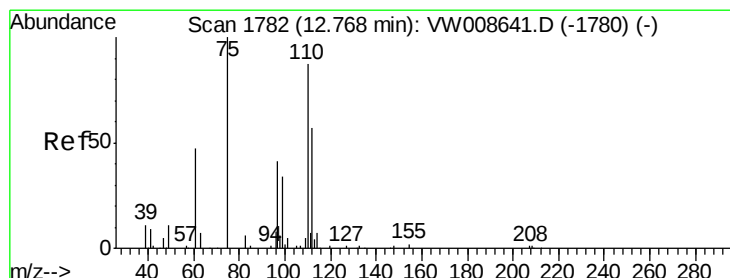
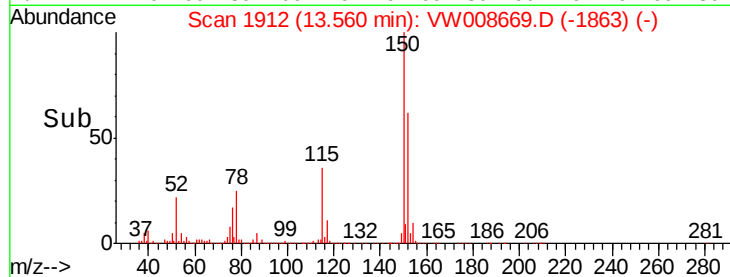
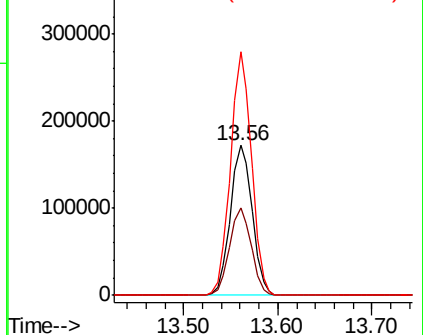
150 155.8 0.0 352.8



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: 49.508 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008669.D

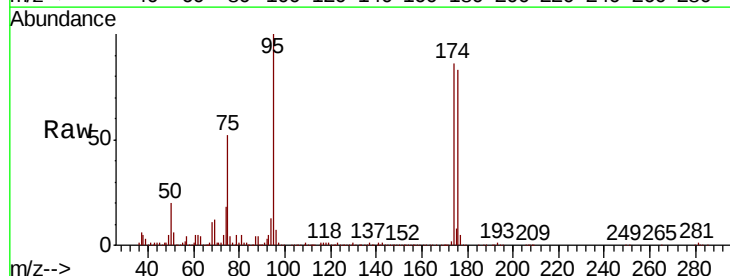
Acq: 14 Feb 2019 16:34

Tgt Ion: 75 Resp: 135563

Ion Ratio Lower Upper

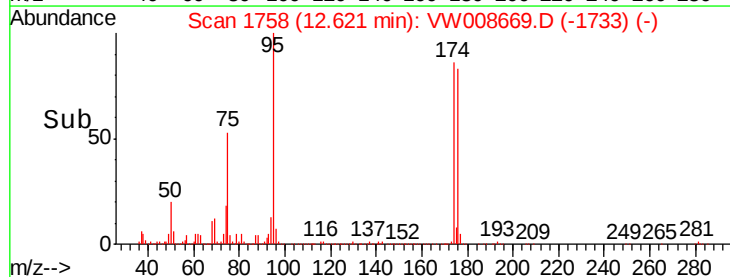
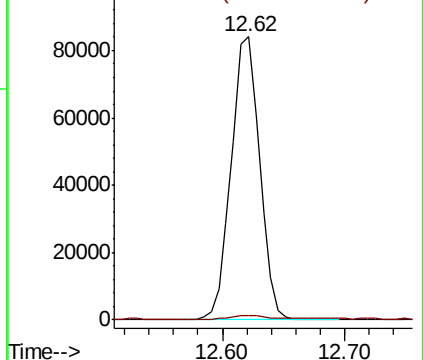
75 100

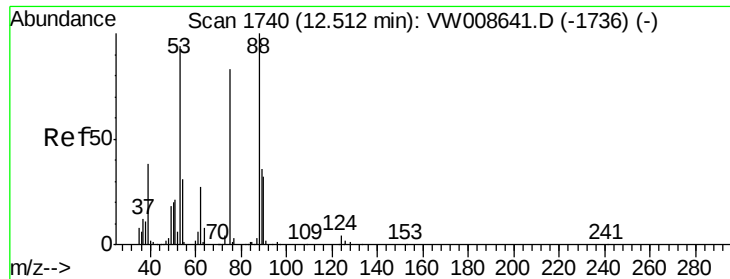
77 1.6 0.0 0.0#



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: 106.175 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008669.D

Acq: 14 Feb 2019 16:34

Instrument :

MSVOA_W

ClientSampleId :

M-2-SRE

Tgt Ion: 75 Resp: 135563

Ion Ratio Lower Upper

75 100

53 0.3 87.4 131.0#

89 0.1 37.0 55.4#

