

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012919\
 Data File : VW008447.D
 Acq On : 29 Jan 2019 13:02
 Operator : SY/VA
 Sample : K1010-09
 Misc : 7.28G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-012819-B

Quant Time: Jan 30 03:11:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	420846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	675326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	555200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	207981	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	215181	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
35) Dibromofluoromethane	7.88	113	212722	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
50) Toluene-d8	10.32	98	774357	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.62	95	248074	40.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.52%	

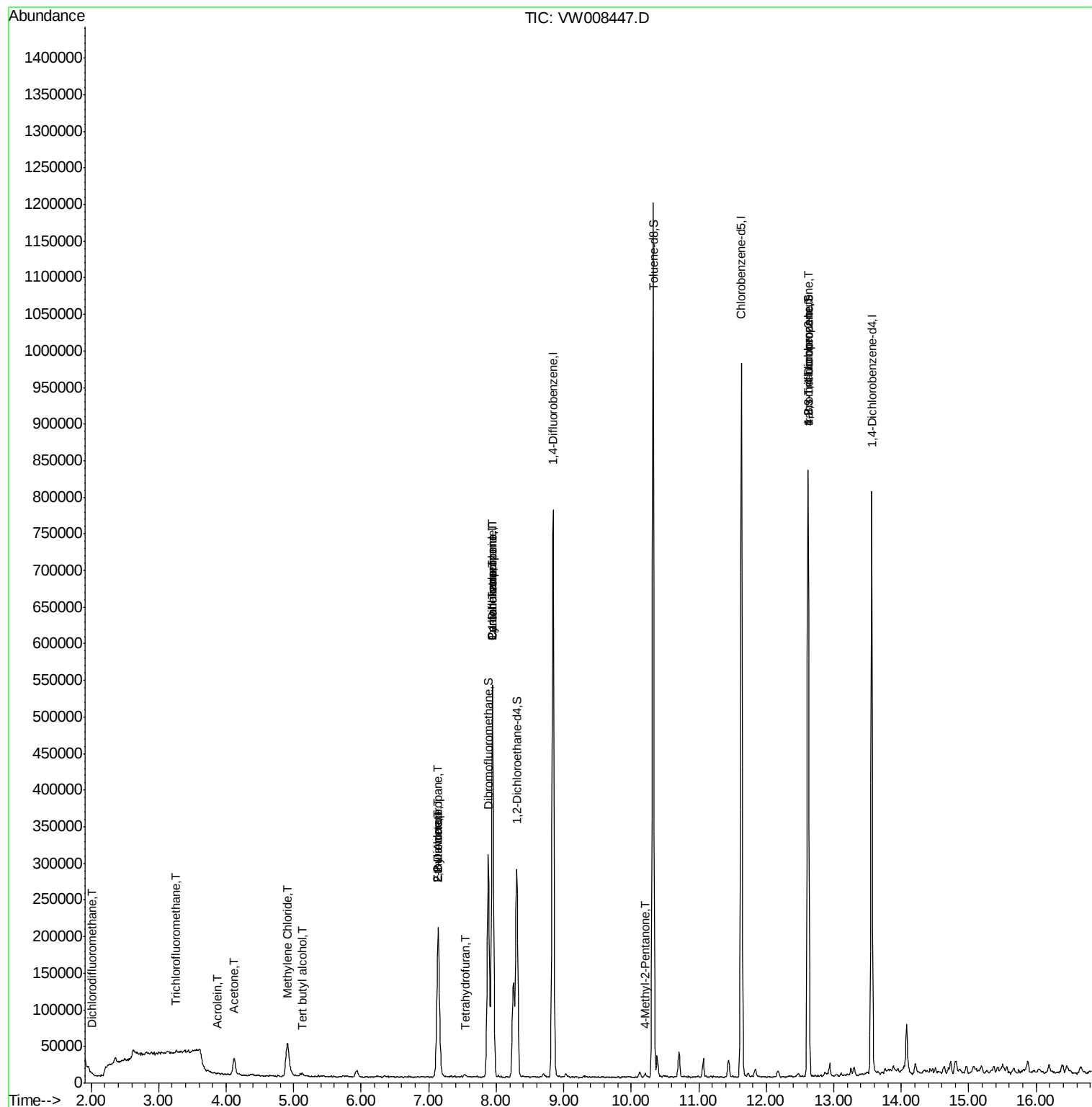
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	286	3.362	ug/l #	41
7) Trichlorofluoromethane	3.25	101	514	4.847	ug/l #	19
11) Tert butyl alcohol	5.14	59	5548	16.667	ug/l #	74
13) Acrolein	3.87	56	209	4.885	ug/l	99
16) Acetone	4.12	43	40466	43.585	ug/l #	87
20) Methylene Chloride	4.91	84	38913	9.093	ug/l	90
25) 2-Butanone	7.15	43	13522	10.485	ug/l #	83
26) 2,2-Dichloropropane	7.14	77	14654	2.763	ug/l #	55
29) Tetrahydrofuran	7.53	42	2538	3.106	ug/l #	68
31) Cyclohexane	7.95	56	9069	1.118	ug/l #	10
36) 1,1-Dichloropropene	7.94	75	30378	4.762	ug/l #	52
37) Ethyl Acetate	7.15	43	13542	4.798	ug/l #	12
38) Carbon Tetrachloride	7.95	117	38943	6.067	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	3652	1.261	ug/l #	82
76) 1,2,3-Trichloropropane	12.62	75	122382	67.680	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	122382	133.673	ug/l #	12

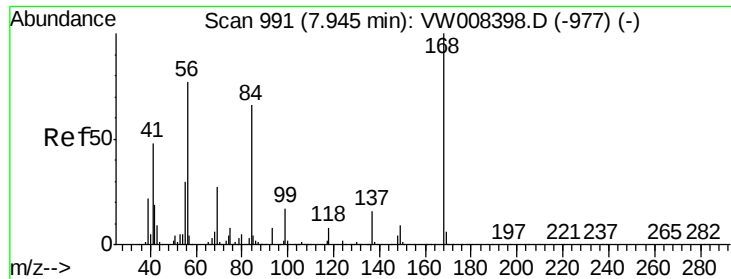
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012919\
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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: VW008447.D

Acq: 29 Jan 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

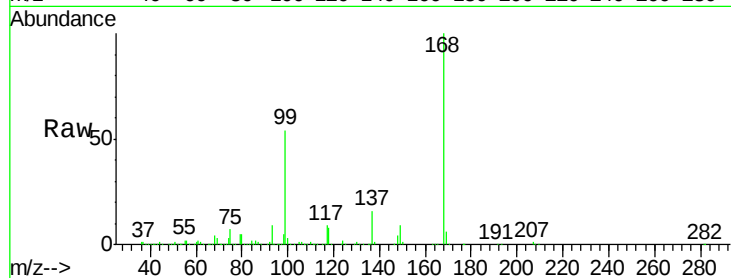
OK-03-012819-B

Tgt Ion:168 Resp: 420846

Ion Ratio Lower Upper

168 100

99 53.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

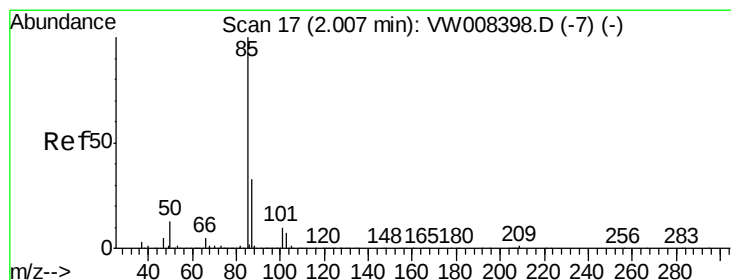
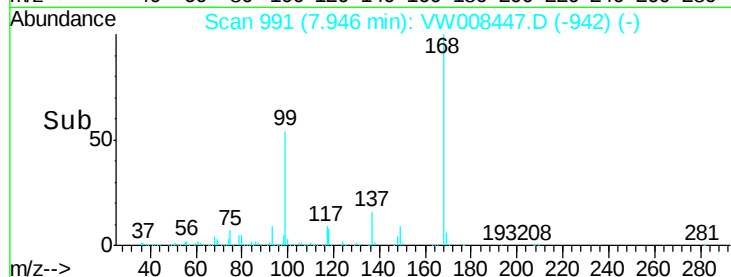
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 3.362 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008447.D

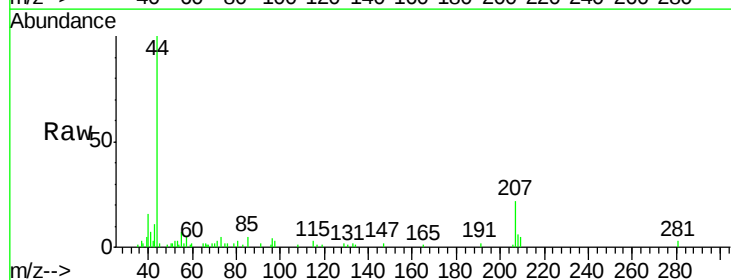
Acq: 29 Jan 2019 13:02

Tgt Ion: 85 Resp: 286

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

250

200

150

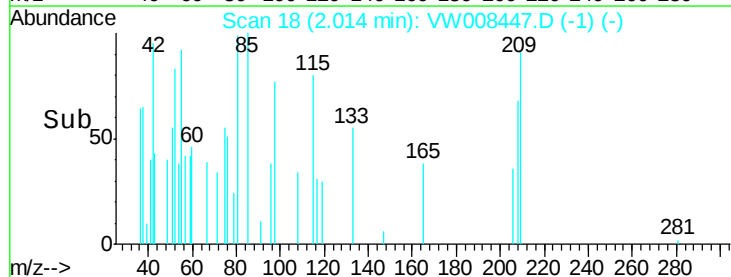
100

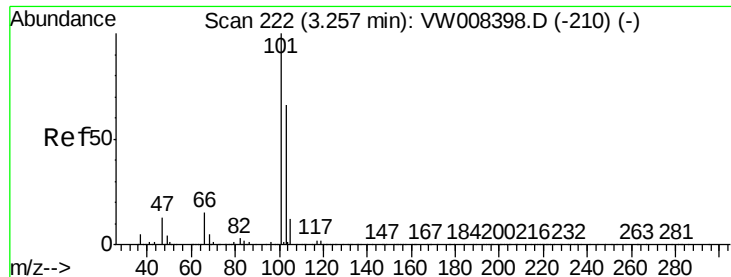
50

0

1.98 2.00 2.02 2.04

Time-->



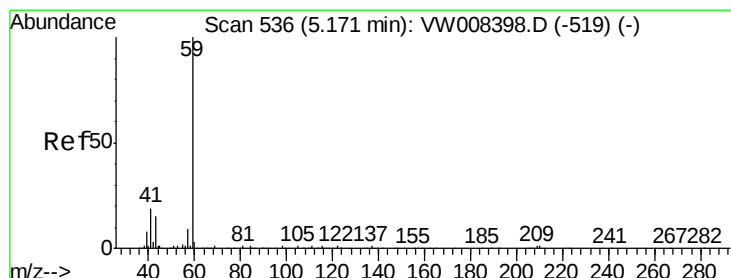
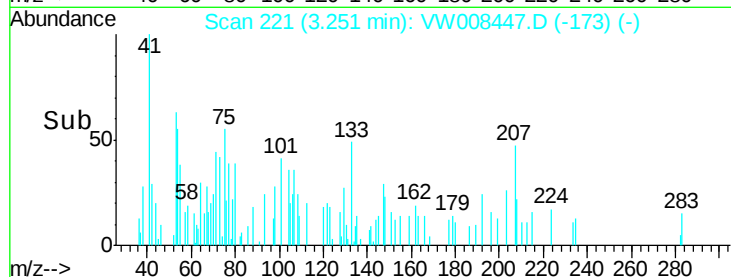
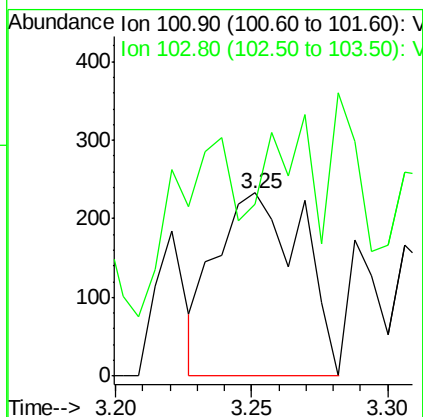
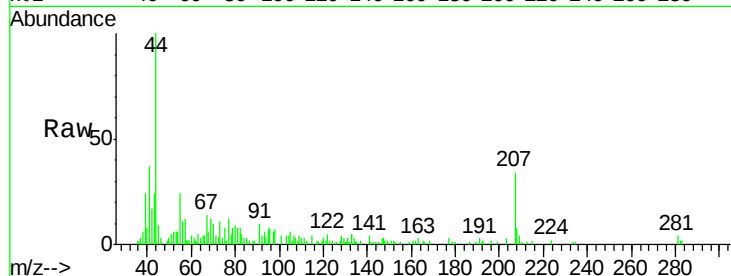


#7

Trichlorofluoromethane
 Concen: 4.847 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008447.D
 Acq: 29 Jan 2019 13:02

Instrument :
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 ClientSampleId :
 OK-03-012819-B

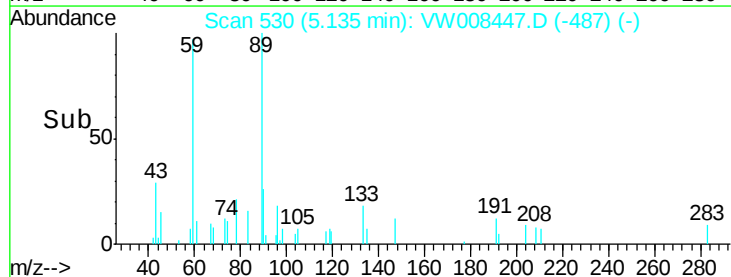
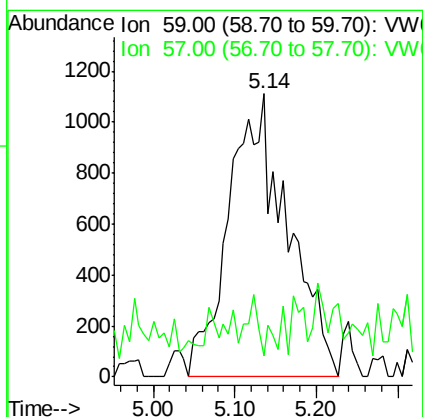
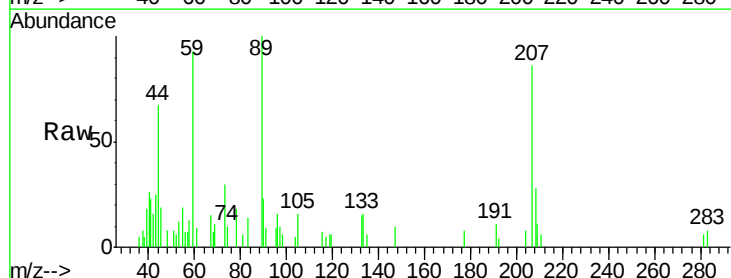
Tgt Ion: 101 Resp: 514
 Ion Ratio Lower Upper
 101 100
 103 1.3 52.5 78.7#

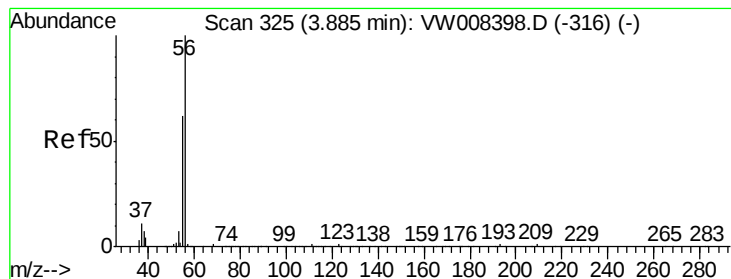


#11

Tert butyl alcohol
 Concen: 16.667 ug/l
 RT: 5.14 min Scan# 530
 Delta R.T. -0.04 min
 Lab File: VW008447.D
 Acq: 29 Jan 2019 13:02

Tgt Ion: 59 Resp: 5548
 Ion Ratio Lower Upper
 59 100
 57 1.5 9.3 13.9#





#13

Acrolein

Concen: 4.885 ug/l

RT: 3.87 min Scan# 322

Delta R.T. -0.02 min

Lab File: VW008447.D

Acq: 29 Jan 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

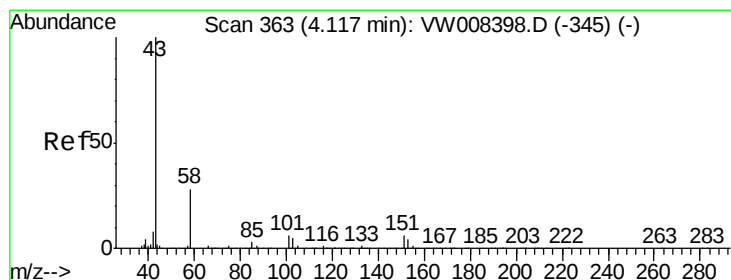
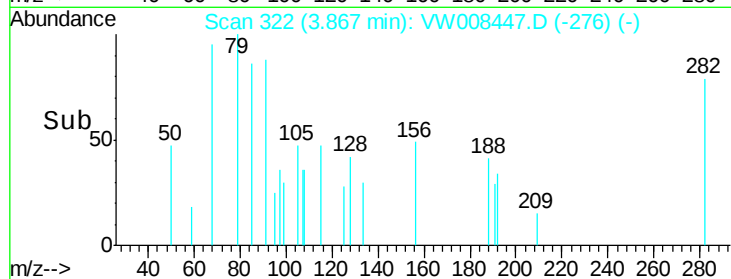
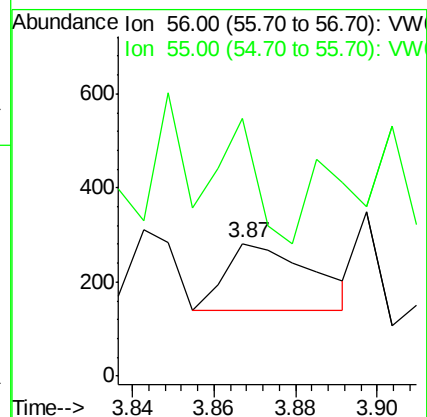
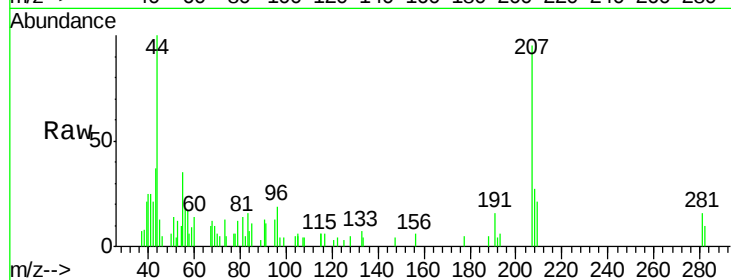
OK-03-012819-B

Tgt Ion: 56 Resp: 209

Ion Ratio Lower Upper

56 100

55 70.3 56.7 85.1



#16

Acetone

Concen: 43.585 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008447.D

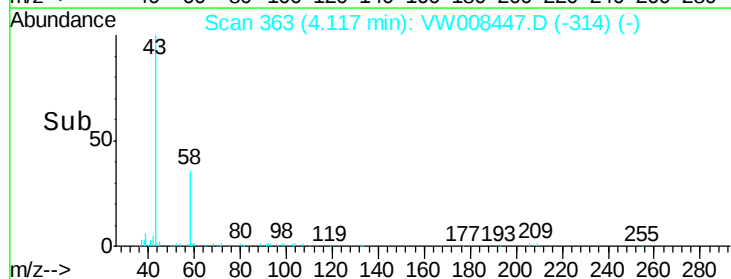
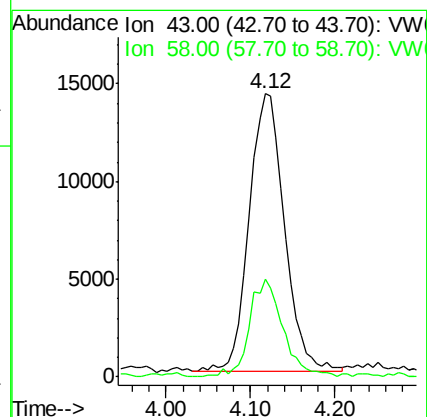
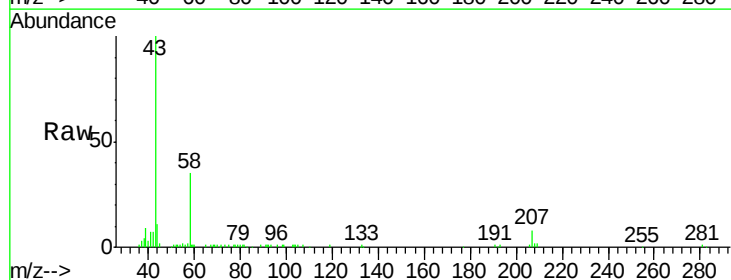
Acq: 29 Jan 2019 13:02

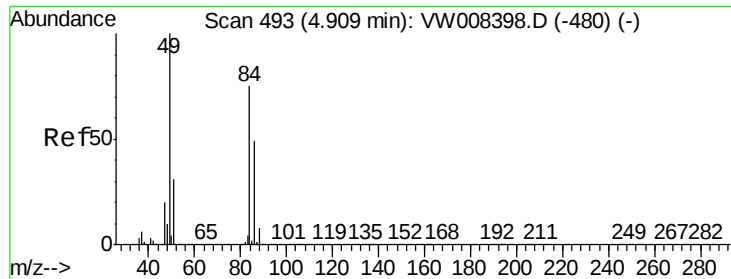
Tgt Ion: 43 Resp: 40466

Ion Ratio Lower Upper

43 100

58 35.2 22.6 34.0#

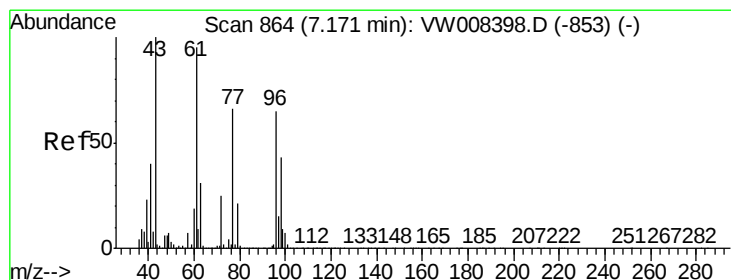
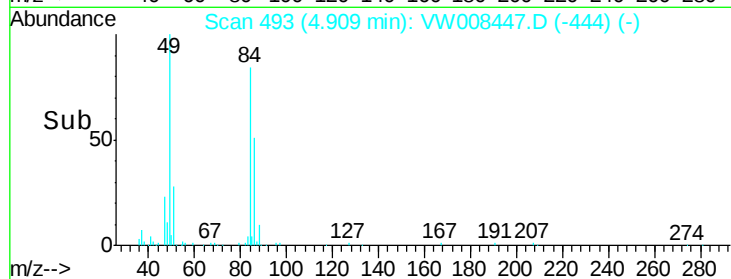
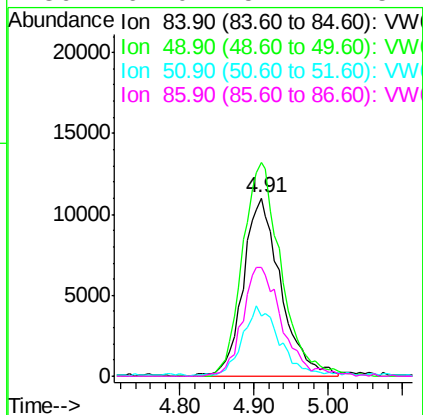
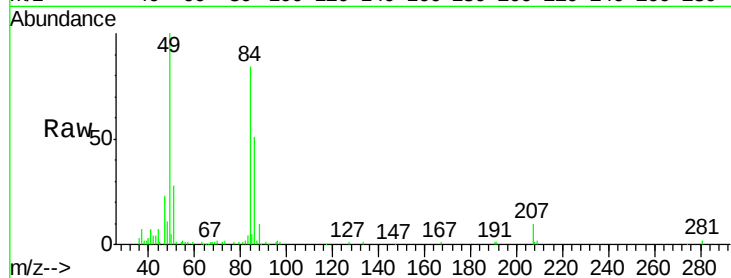




#20
Methylene Chloride
Concen: 9.093 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008447.D
Acq: 29 Jan 2019 13:02

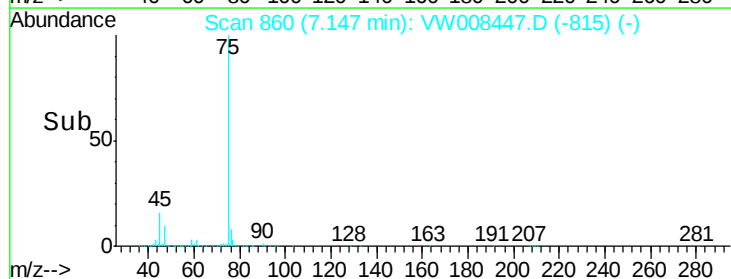
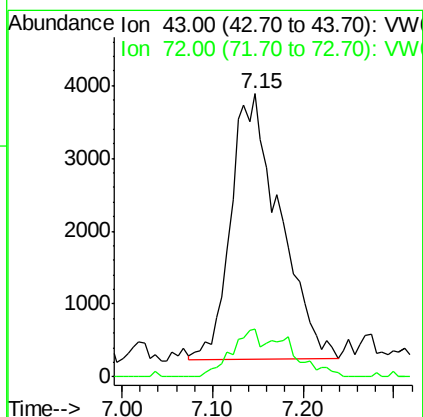
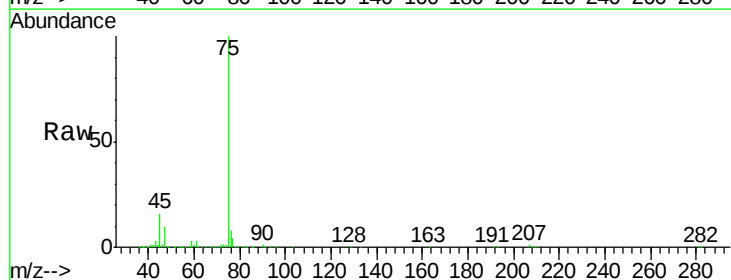
Instrument :
MSVOA_W
ClientSampleId :
OK-03-012819-B

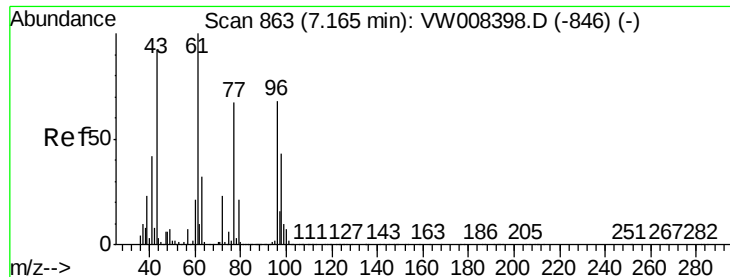
Tgt Ion:	84	Resp:	38913
Ion	Ratio	Lower	Upper
84	100		
49	119.7	106.8	160.2
51	33.9	32.9	49.3
86	61.0	52.2	78.2



#25
2-Butanone
Concen: 10.485 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008447.D
Acq: 29 Jan 2019 13:02

Tgt Ion:	43	Resp:	13522
Ion	Ratio	Lower	Upper
43	100		
72	16.5	20.1	30.1#





#26

2,2-Dichloropropane

Concen: 2.763 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW008447.D

Acq: 29 Jan 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

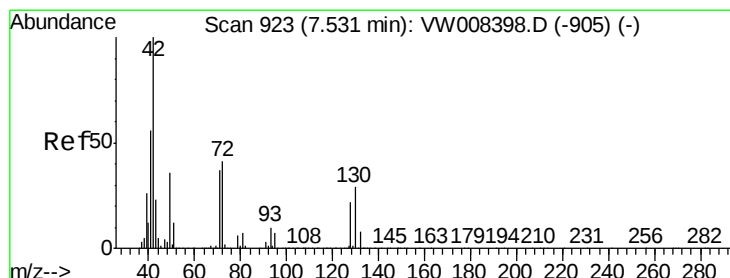
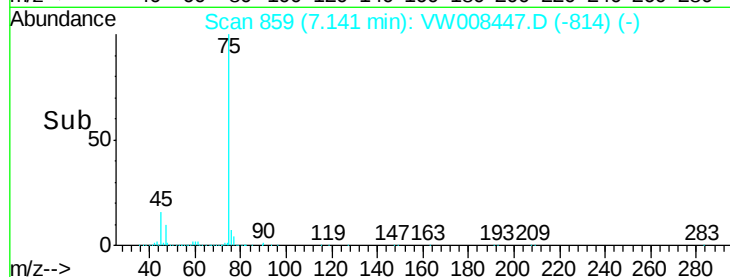
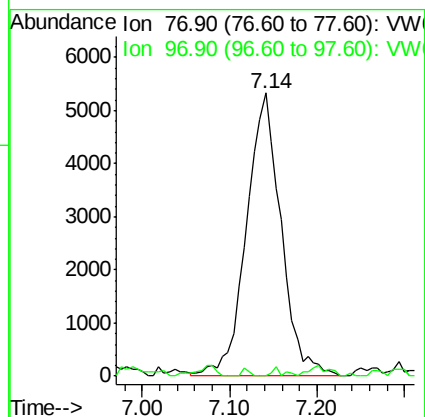
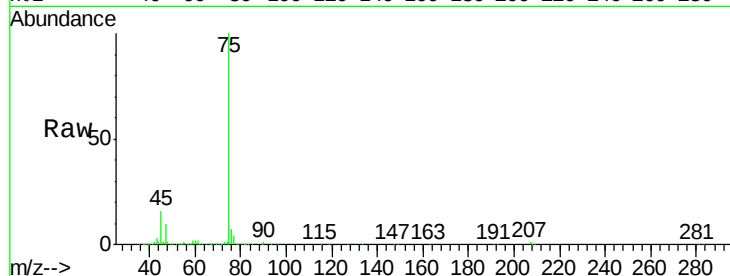
OK-03-012819-B

Tgt Ion: 77 Resp: 14654

Ion Ratio Lower Upper

77 100

97 1.0 11.5 34.5#



#29

Tetrahydrofuran

Concen: 3.106 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008447.D

Acq: 29 Jan 2019 13:02

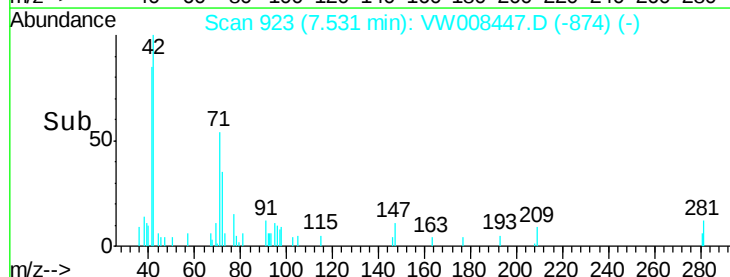
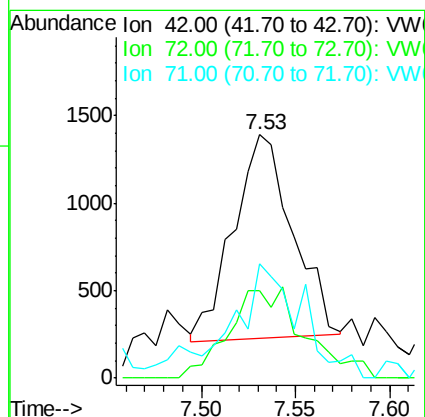
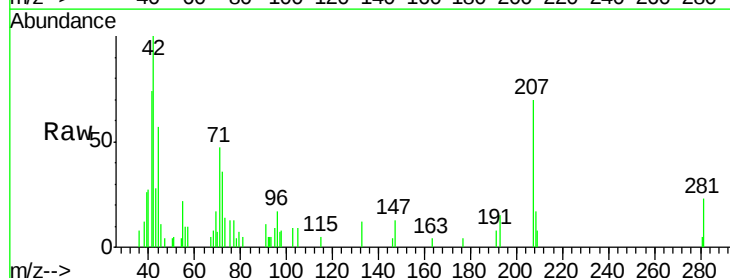
Tgt Ion: 42 Resp: 2538

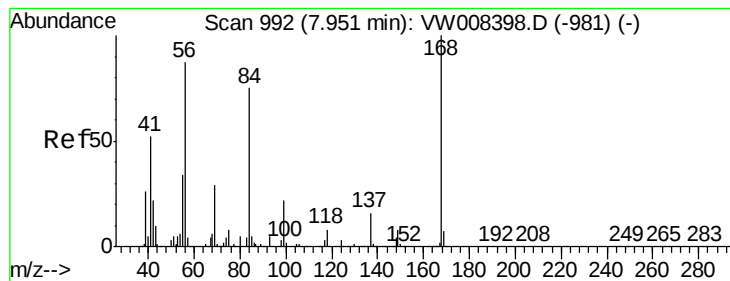
Ion Ratio Lower Upper

42 100

72 56.4 31.9 47.9#

71 59.8 29.9 44.9#





#31

Cyclohexane

Concen: 1.118 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008447.D

Acq: 29 Jan 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

OK-03-012819-B

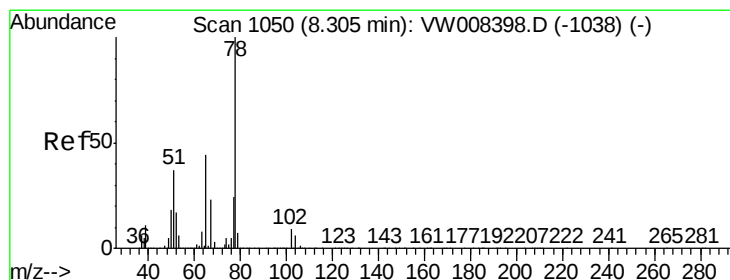
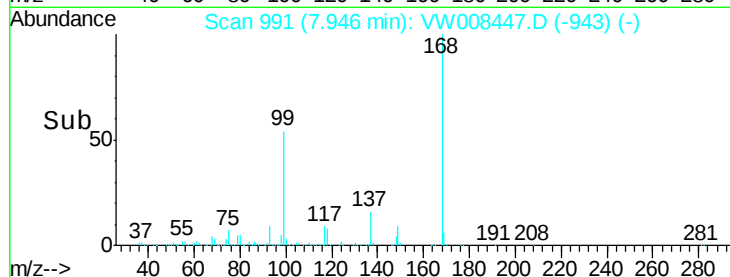
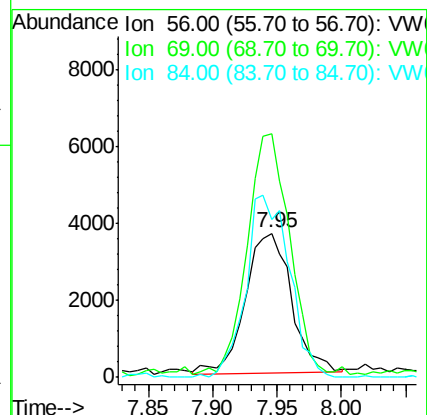
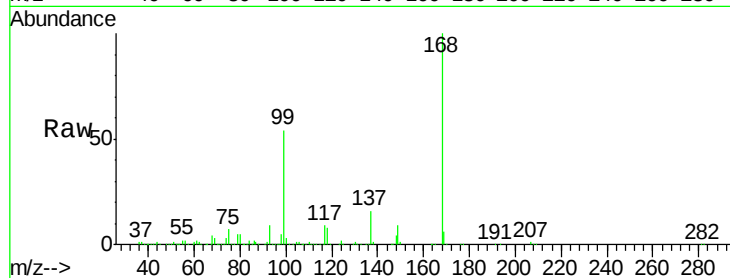
Tgt Ion: 56 Resp: 9069

Ion Ratio Lower Upper

56 100

69 172.9 26.4 39.6#

84 113.8 69.1 103.7#



#33

1,2-Dichloroethane-d4

Concen: 52.046 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008447.D

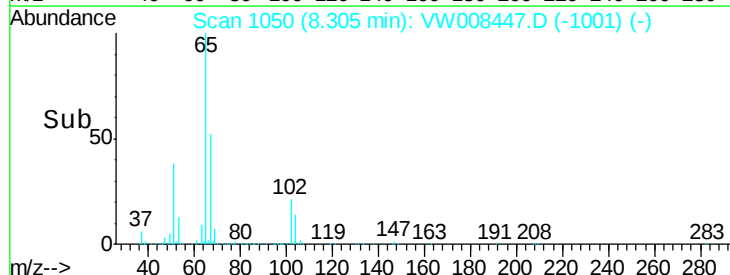
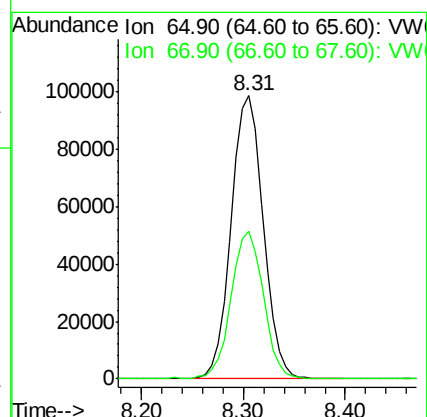
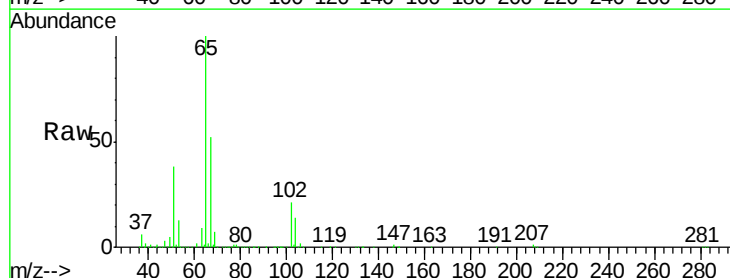
Acq: 29 Jan 2019 13:02

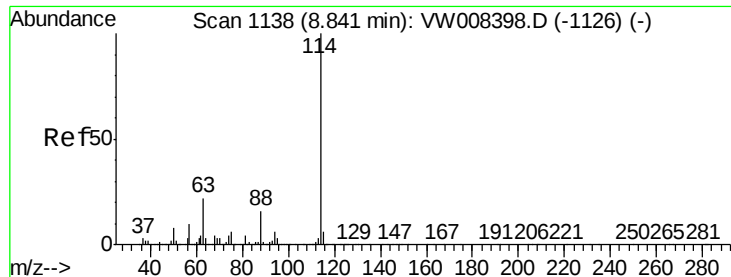
Tgt Ion: 65 Resp: 215181

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008447.D

Acq: 29 Jan 2019 13:02

Instrument :

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OK-03-012819-B

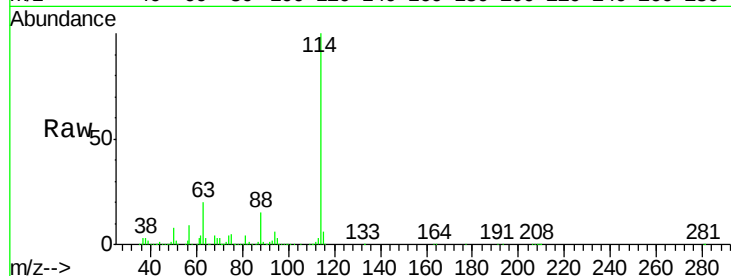
Tgt Ion:114 Resp: 675326

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.6

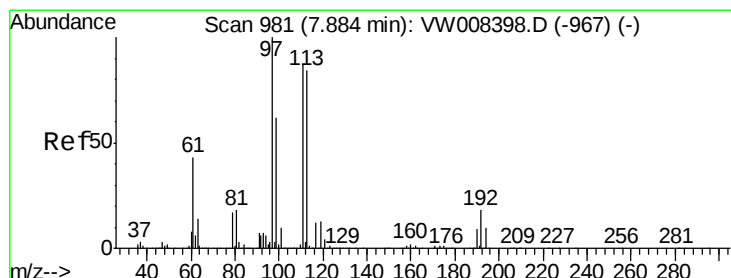
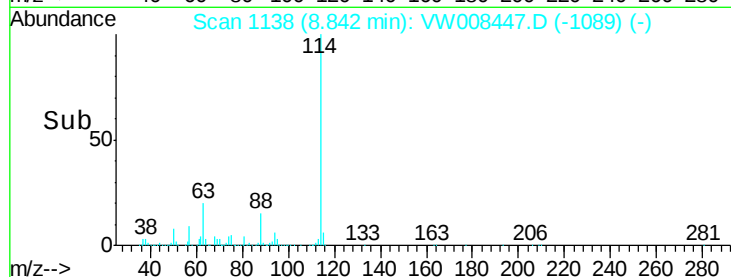
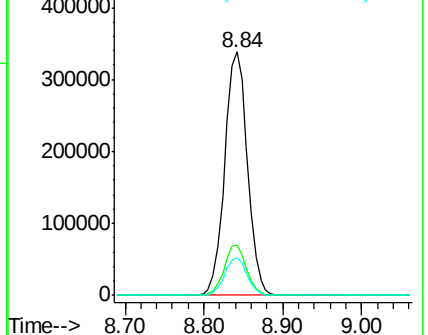
88 15.4 0.0 31.8



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: 53.869 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008447.D

Acq: 29 Jan 2019 13:02

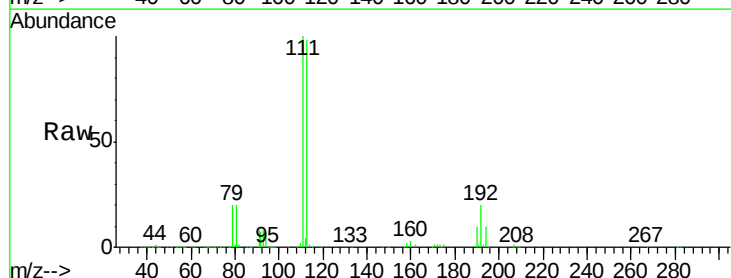
Tgt Ion:113 Resp: 212722

Ion Ratio Lower Upper

113 100

111 101.6 81.0 121.4

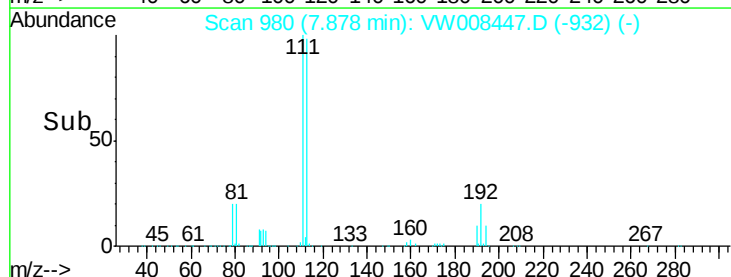
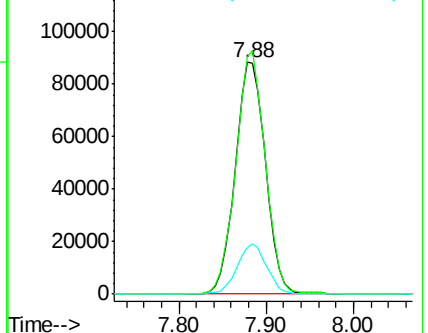
192 21.2 16.8 25.2

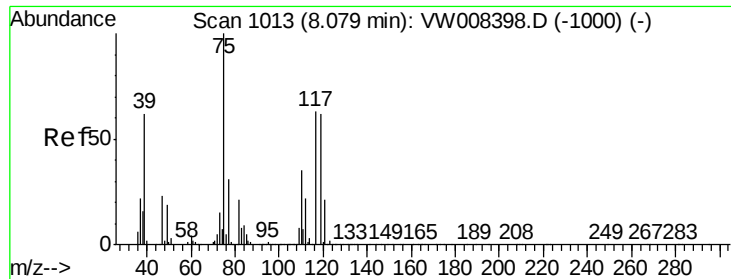


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

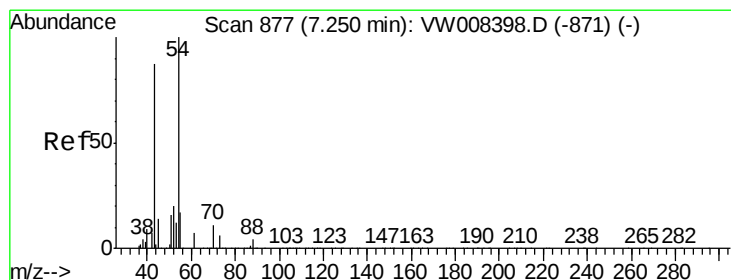
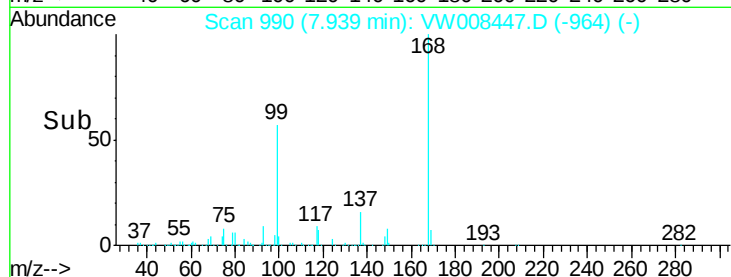
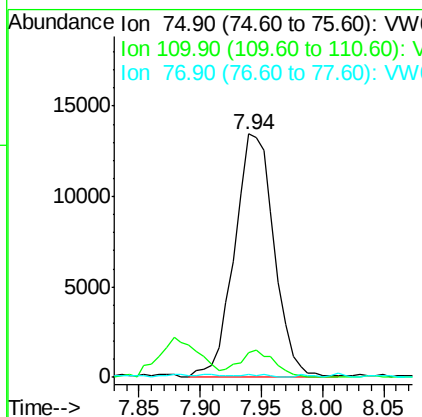
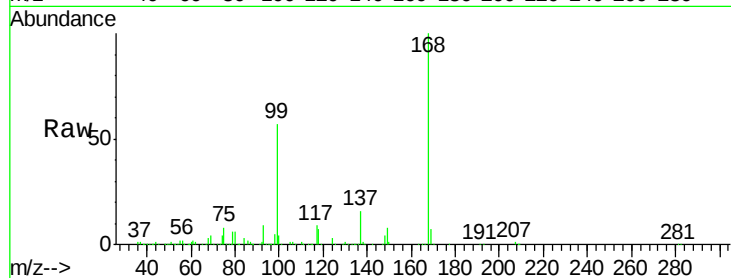




#36
 1,1-Dichloropropene
 Concen: 4.762 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008447.D
 Acq: 29 Jan 2019 13:02

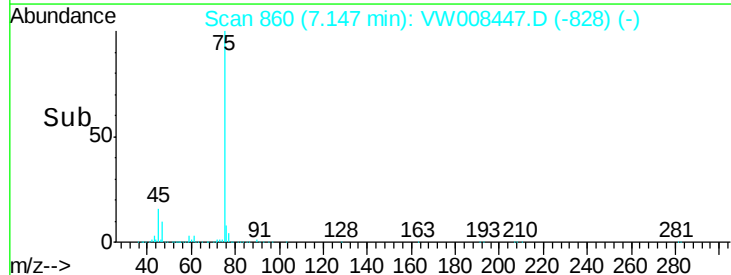
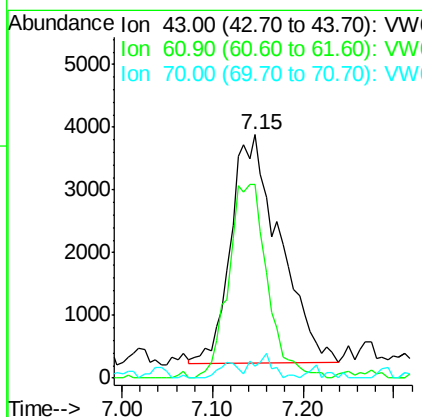
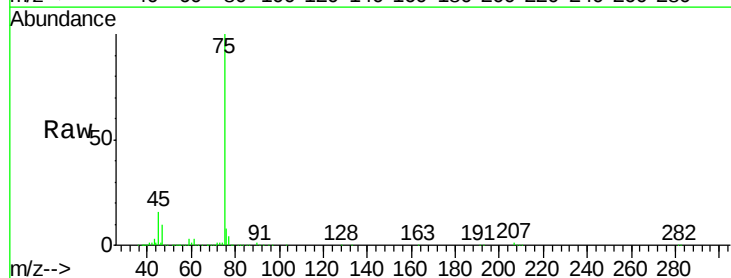
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-012819-B

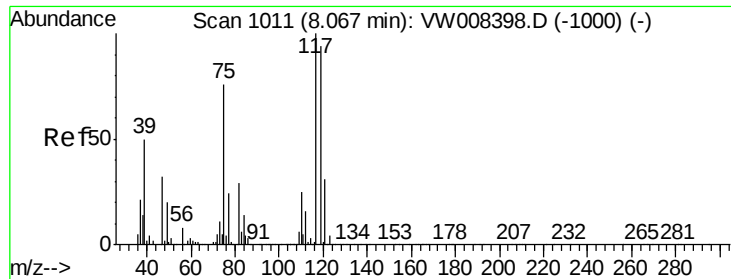
Tgt Ion: 75 Resp: 30378
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.3 52.0#
 77 0.7 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 4.798 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.10 min
 Lab File: VW008447.D
 Acq: 29 Jan 2019 13:02

Tgt Ion: 43 Resp: 13542
 Ion Ratio Lower Upper
 43 100
 61 68.1 10.1 15.1#
 70 2.8 7.8 11.6#

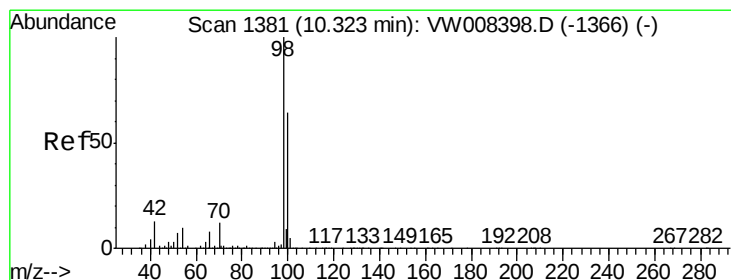
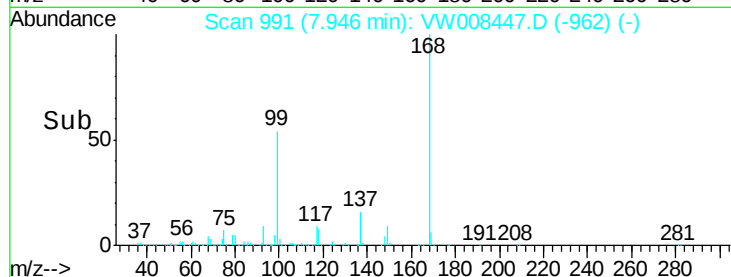
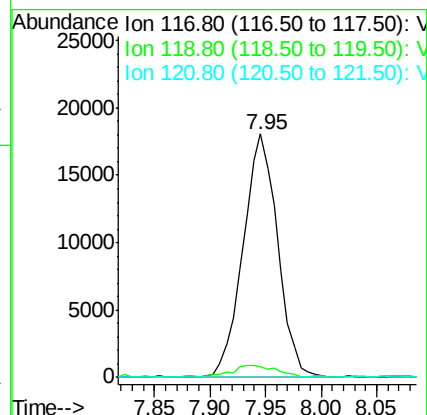
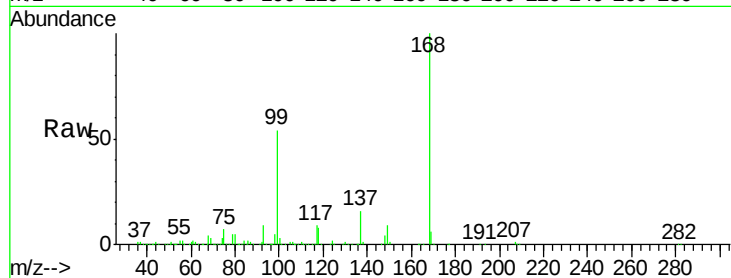




#38
Carbon Tetrachloride
Concen: 6.067 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008447.D
Acq: 29 Jan 2019 13:02

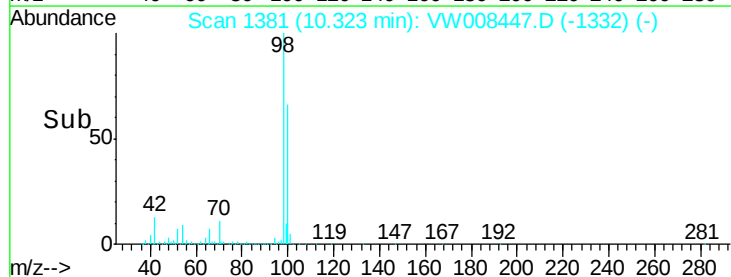
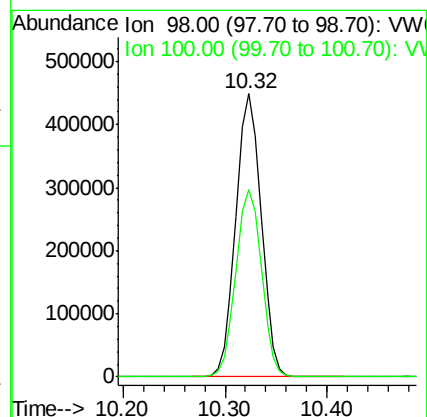
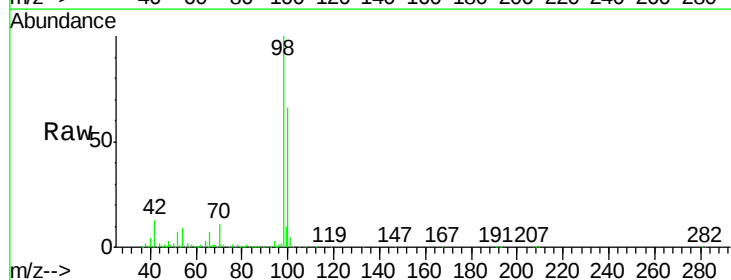
Instrument :
MSVOA_W
ClientSampleId :
OK-03-012819-B

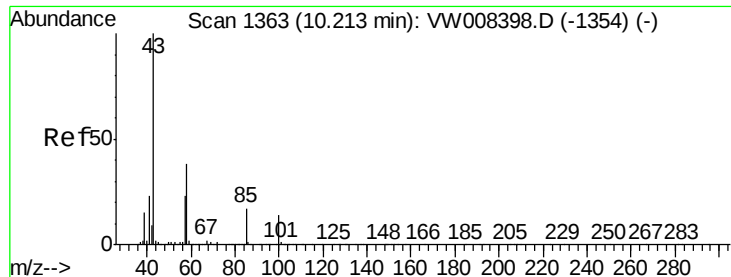
Tgt Ion:117 Resp: 38943
Ion Ratio Lower Upper
117 100
119 4.2 75.0 112.4#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 48.901 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008447.D
Acq: 29 Jan 2019 13:02

Tgt Ion: 98 Resp: 774357
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8

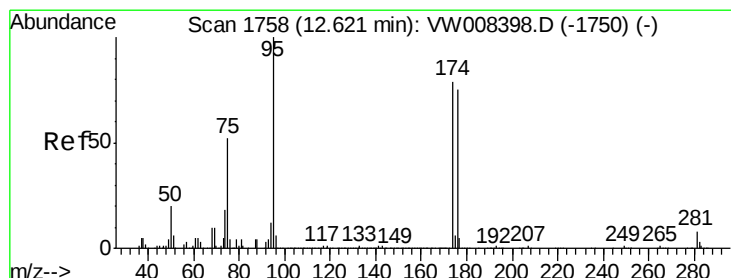
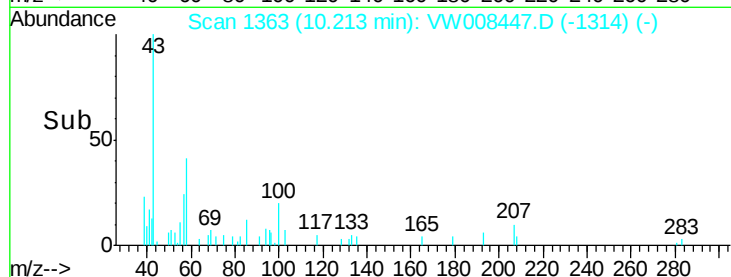
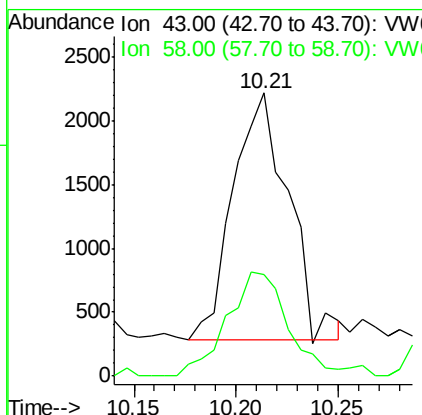
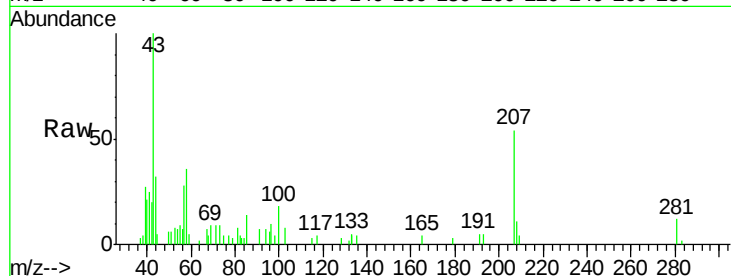




#51
 4-Methyl-2-Pentanone
 Concen: 1.261 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW008447.D
 Acq: 29 Jan 2019 13:02

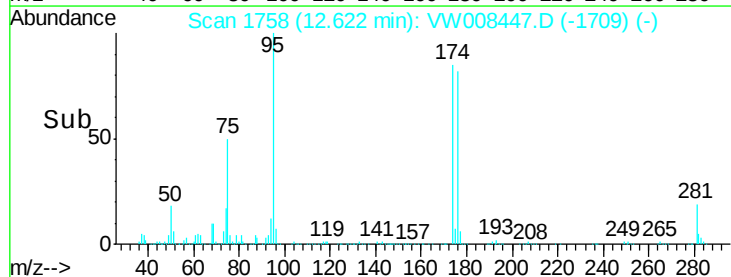
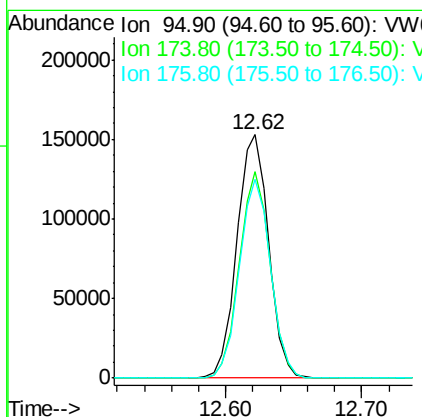
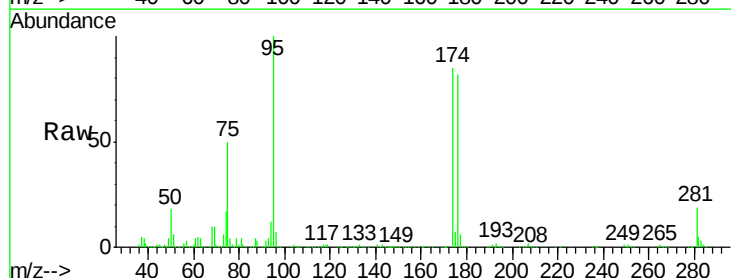
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-012819-B

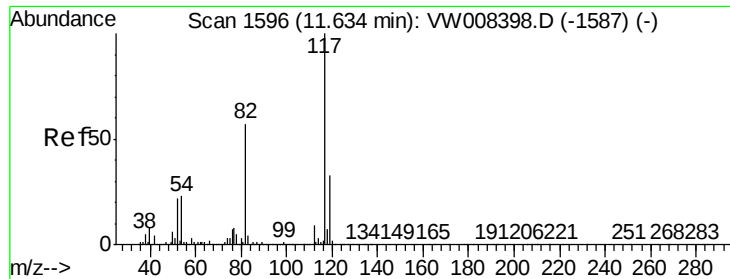
Tgt Ion: 43 Resp: 3652
 Ion Ratio Lower Upper
 43 100
 58 47.6 29.7 44.5#



#62
 4-Bromofluorobenzene
 Concen: 40.756 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008447.D
 Acq: 29 Jan 2019 13:02

Tgt Ion: 95 Resp: 248074
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 157.6
 176 80.9 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008447.D

Acq: 29 Jan 2019 13:02

Instrument :

MSVOA_W

ClientSampleId :

OK-03-012819-B

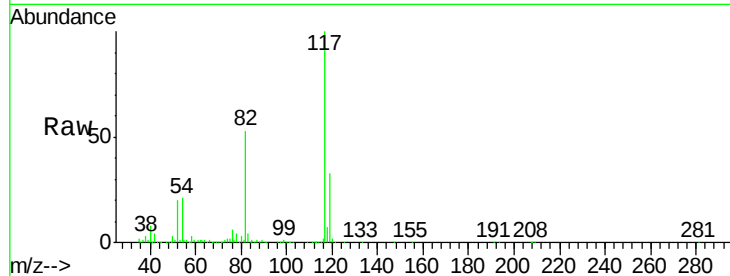
Tgt Ion:117 Resp: 555200

Ion Ratio Lower Upper

117 100

82 53.3 45.4 68.0

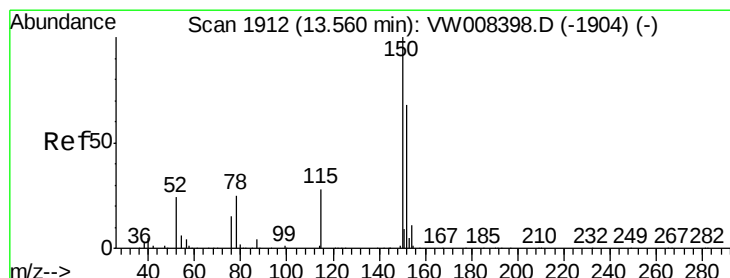
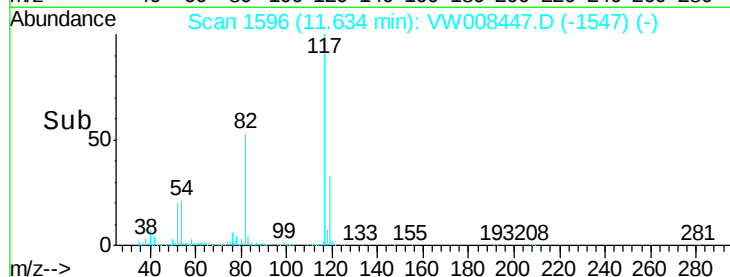
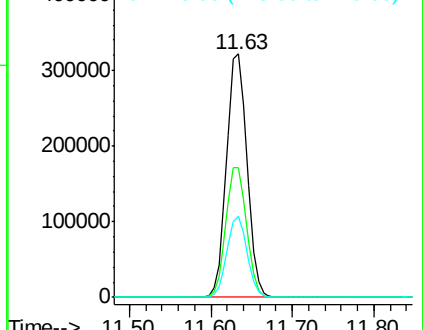
119 33.1 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008447.D

Acq: 29 Jan 2019 13:02

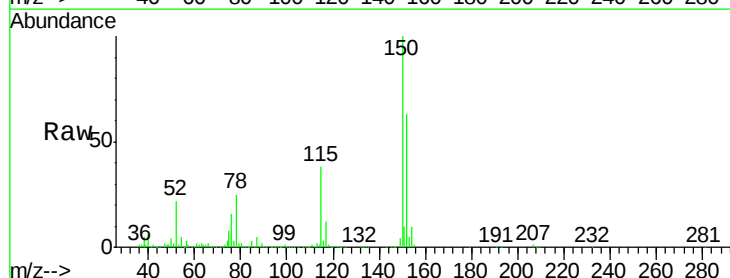
Tgt Ion:152 Resp: 207981

Ion Ratio Lower Upper

152 100

115 57.7 29.9 89.7

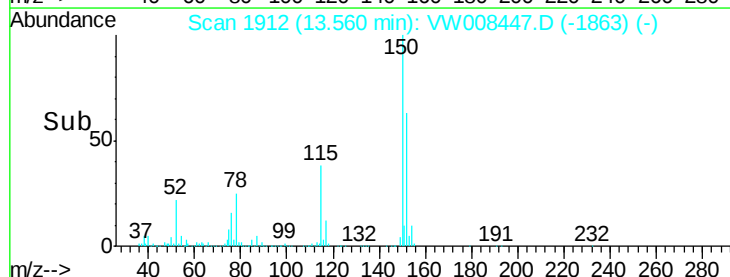
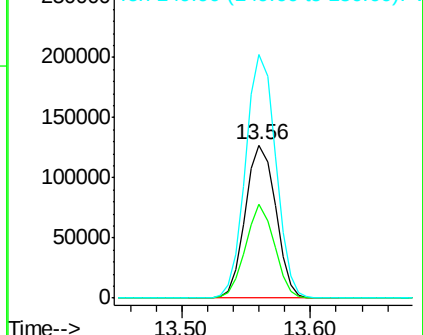
150 157.9 0.0 351.4

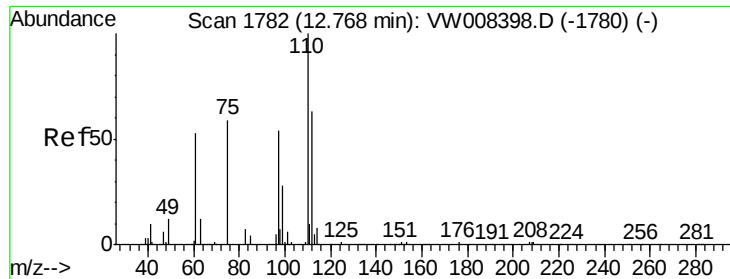


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

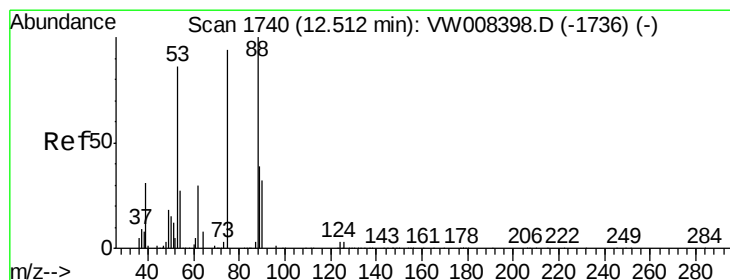
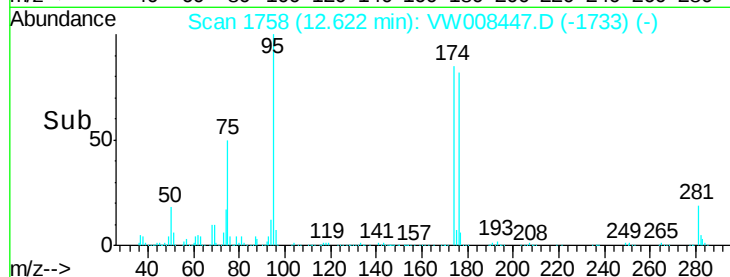
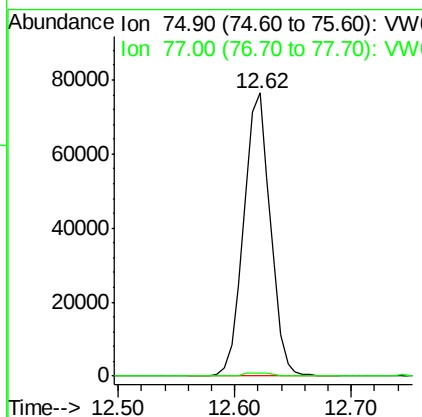
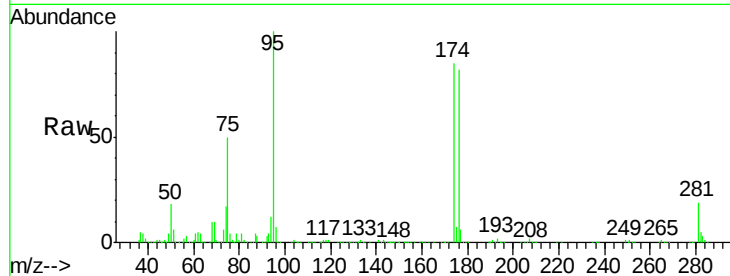




#76
 1,2,3-Trichloropropane
 Concen: 67.680 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008447.D
 Acq: 29 Jan 2019 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-012819-B

Tgt Ion: 75 Resp: 122382
 Ion Ratio Lower Upper
 75 100
 77 1.4 180.7 542.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.673 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008447.D
 Acq: 29 Jan 2019 13:02

Tgt Ion: 75 Resp: 122382
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.0 114.0#
 89 0.1 35.4 53.0#

