

Data File : VW008541.D
Acq On : 06 Feb 2019 21:15
Operator : SY/VA
Sample : K1389-19
Misc : 5.45G/5ML/MSVOA_W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
M-7-S

Quant Time: Feb 07 01:52:41 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	526345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	869359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	789090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	398460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	288439	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	
35) Dibromofluoromethane	7.88	113	265894	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
50) Toluene-d8	10.32	98	1023060	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.62	95	389963	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	

Target Compounds

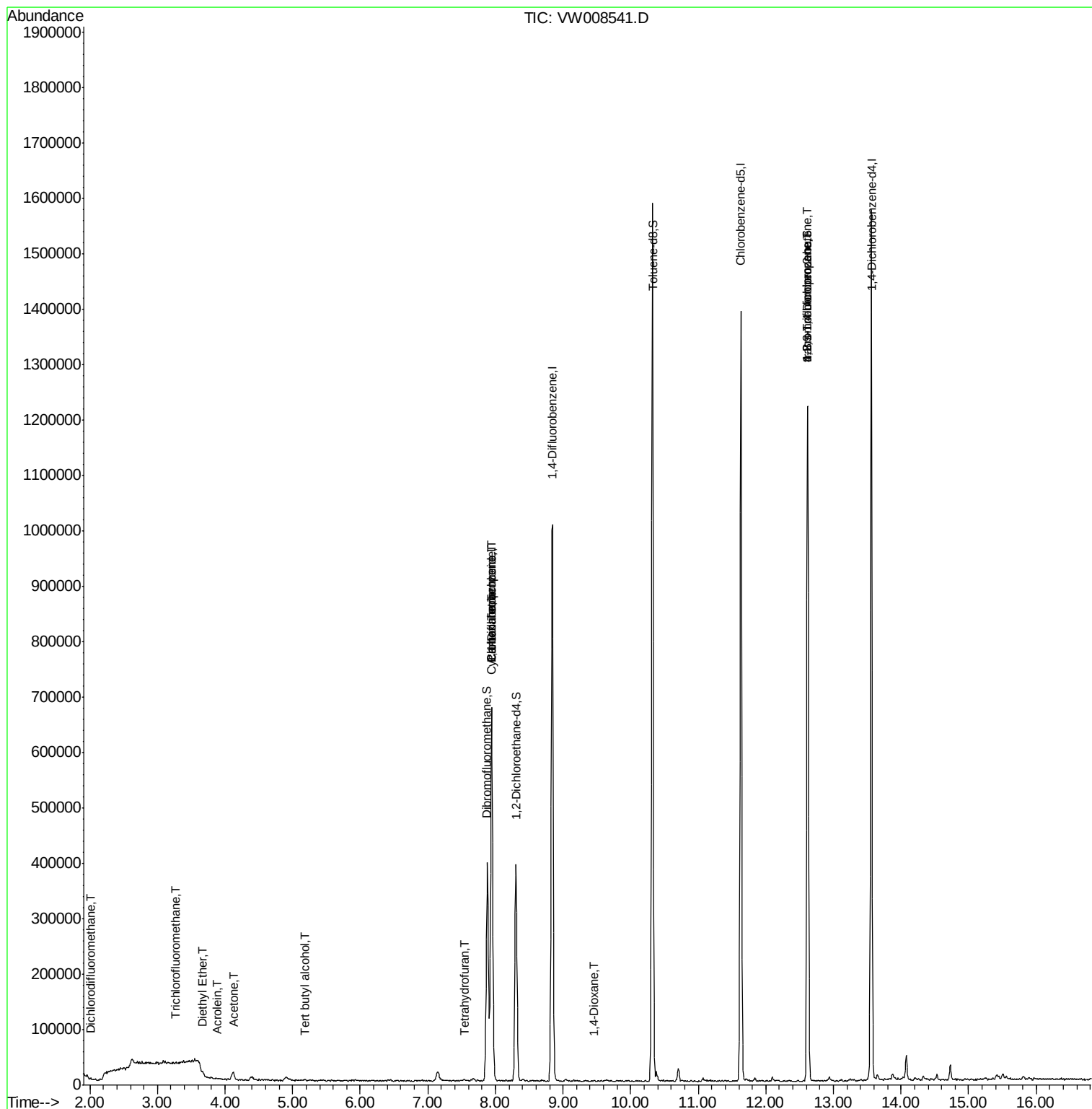
						Qvalue
2) Dichlorodifluoromethane	2.01	85	274	3.337	ug/l	77
7) Trichlorofluoromethane	3.26	101	153	4.754	ug/l #	17
8) Diethyl Ether	3.67	74	3584	1.365	ug/l	63
11) Tert butyl alcohol	5.18	59	1825	4.384	ug/l #	70
13) Acrolein	3.89	56	306	5.004	ug/l	98
16) Acetone	4.12	43	24213	20.852	ug/l #	83
29) Tetrahydrofuran	7.54	42	2207	2.159	ug/l #	87
31) Cyclohexane	7.93	56	11404	1.124	ug/l #	19
36) 1,1-Dichloropropene	7.94	75	39312	4.787	ug/l #	50
38) Carbon Tetrachloride	7.95	117	49803	6.027	ug/l #	16
49) 1,4-Dioxane	9.46	88	73	1.478	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	196615	56.754	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	196615	112.094	ug/l #	12

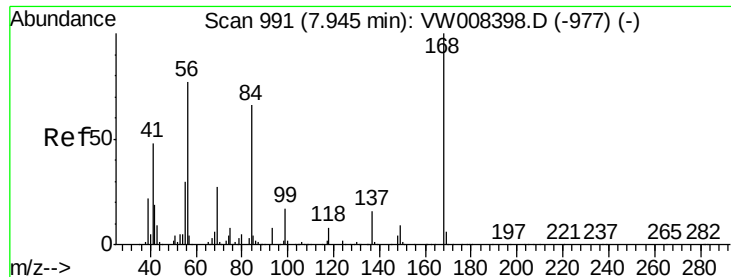
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008541.D

Acq: 06 Feb 2019 21:15

Instrument :

MSVOA_W

ClientSampled :

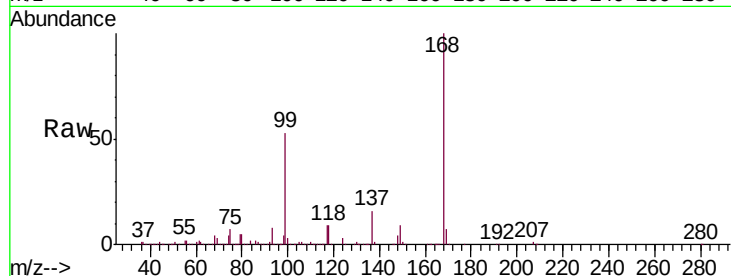
M-7-S

Tgt Ion:168 Resp: 526345

Ion Ratio Lower Upper

168 100

99 53.0 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

250000

200000

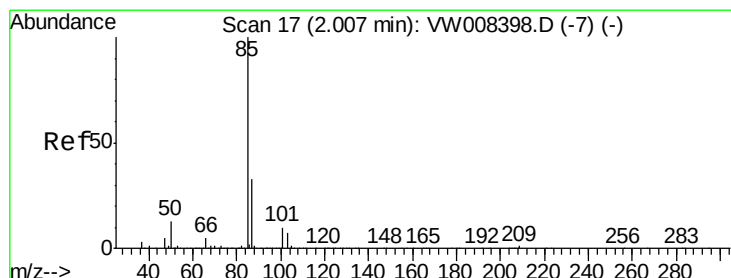
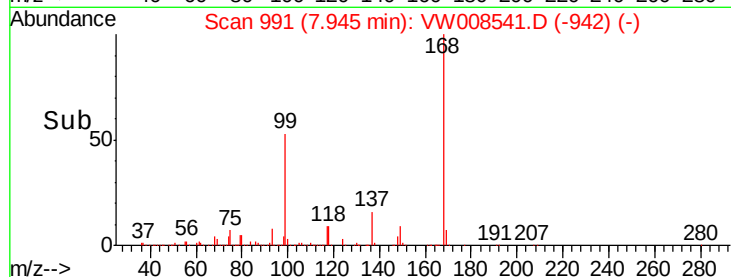
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.337 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008541.D

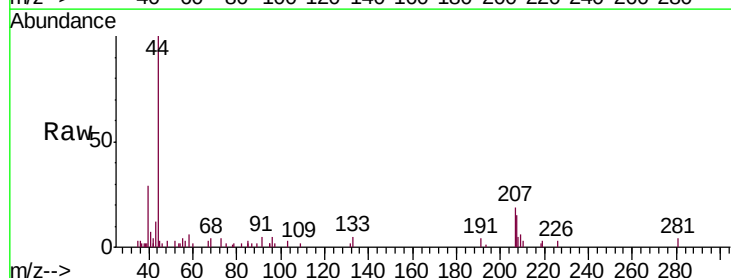
Acq: 06 Feb 2019 21:15

Tgt Ion: 85 Resp: 274

Ion Ratio Lower Upper

85 100

87 46.3 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

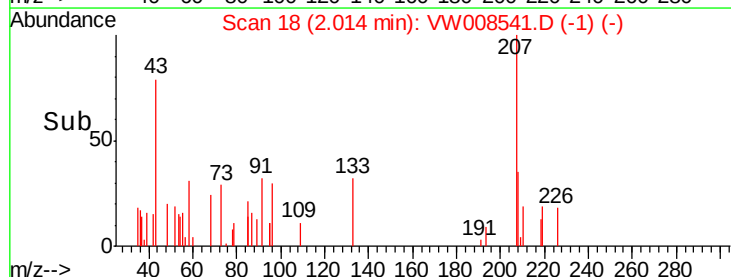
150

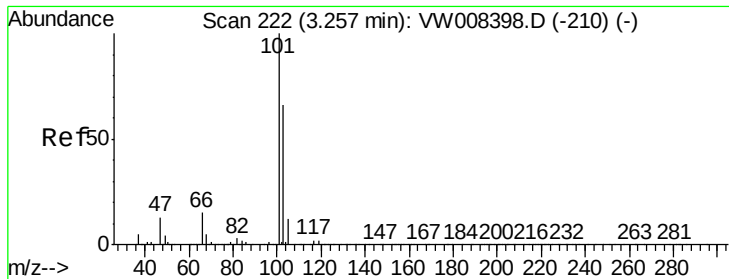
100

50

0

Time--> 1.96 1.98 2.00 2.02 2.04



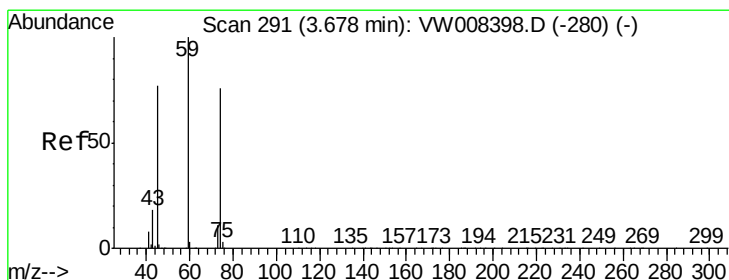
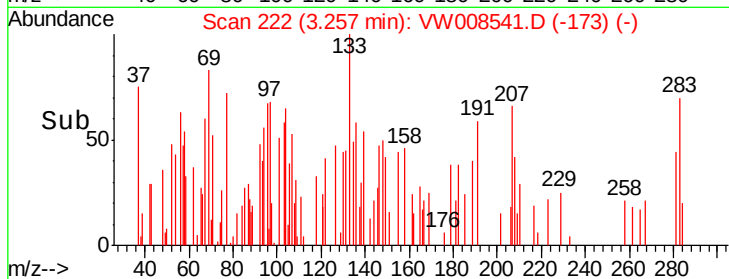
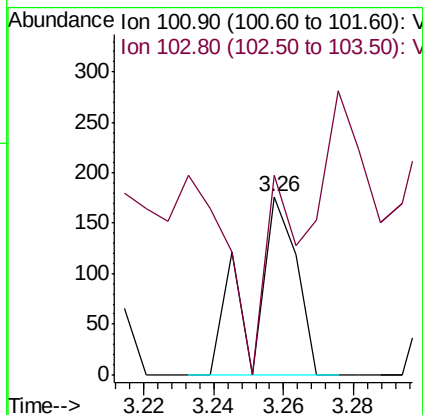
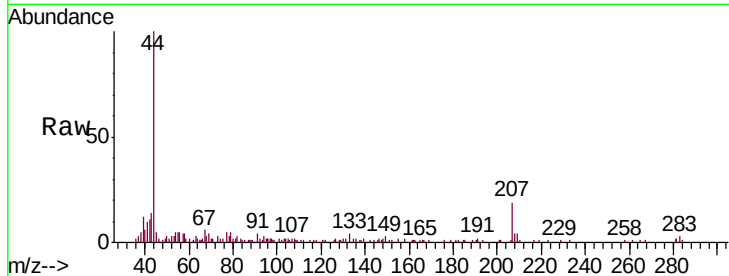


#7

Trichlorofluoromethane
Concen: 4.754 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008541.D
Acq: 06 Feb 2019 21:15

Instrument :
MSVOA_W
ClientSampled :
M-7-S

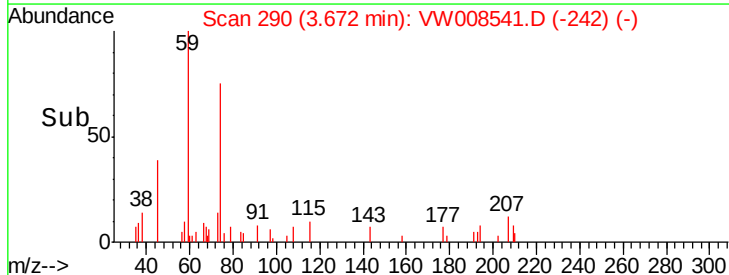
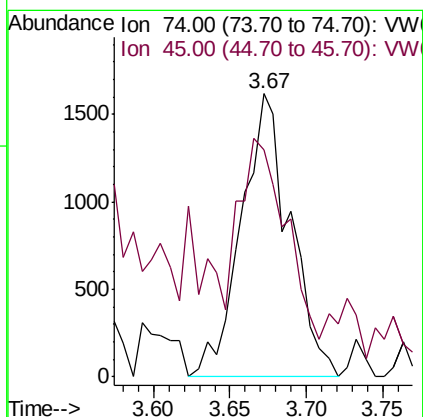
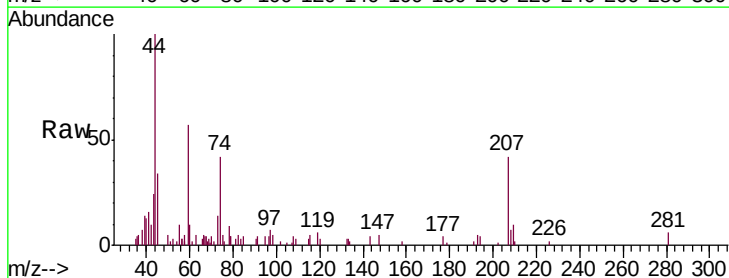
Tgt Ion: 101 Resp: 153
Ion Ratio Lower Upper
101 100
103 0.0 52.5 78.7#

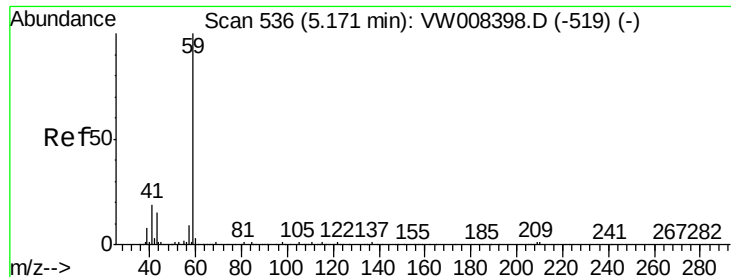


#8

Diethyl Ether
Concen: 1.365 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008541.D
Acq: 06 Feb 2019 21:15

Tgt Ion: 74 Resp: 3584
Ion Ratio Lower Upper
74 100
45 66.1 51.7 155.2



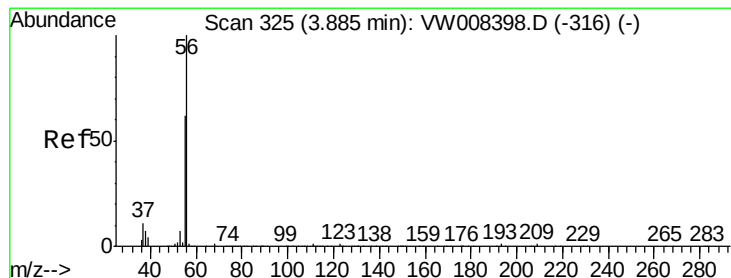
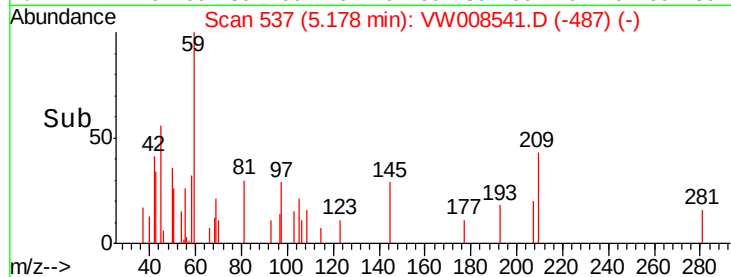
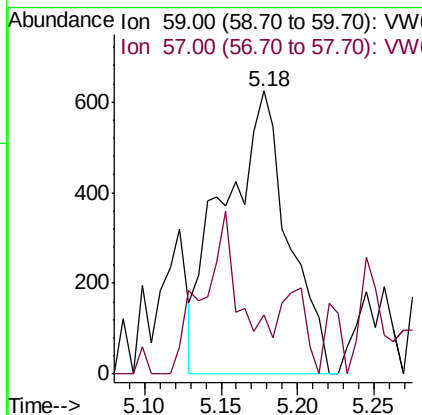
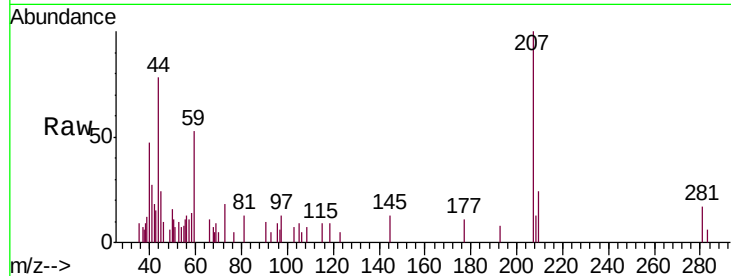


#11

Tert butyl alcohol
 Concen: 4.384 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW008541.D
 Acq: 06 Feb 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleId :
 M-7-S

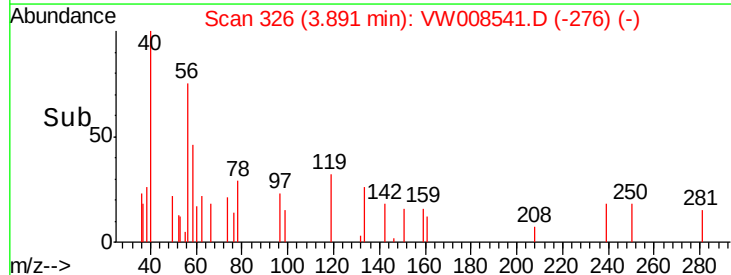
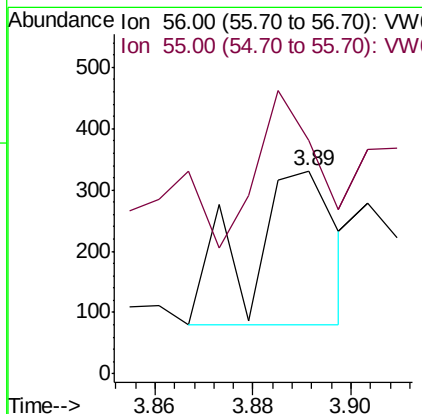
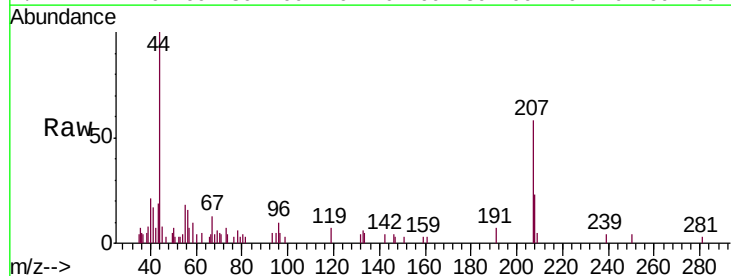
Tgt Ion: 59 Resp: 1825
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

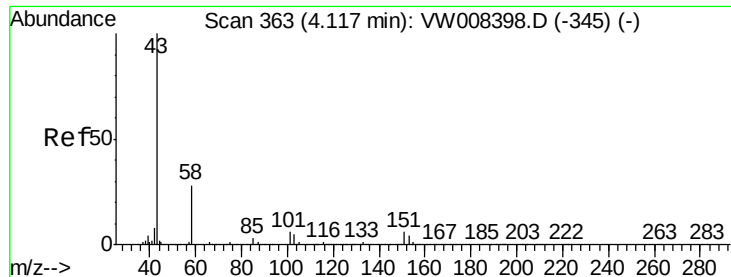


#13

Acrolein
 Concen: 5.004 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VW008541.D
 Acq: 06 Feb 2019 21:15

Tgt Ion: 56 Resp: 306
 Ion Ratio Lower Upper
 56 100
 55 69.3 56.7 85.1

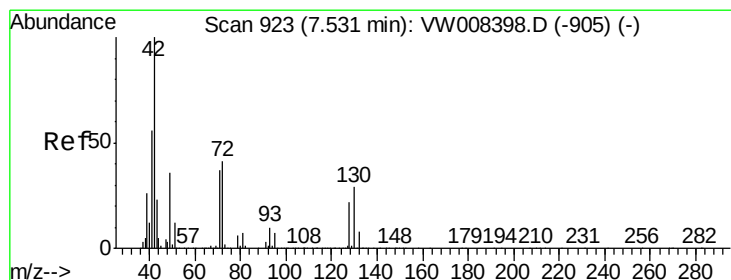
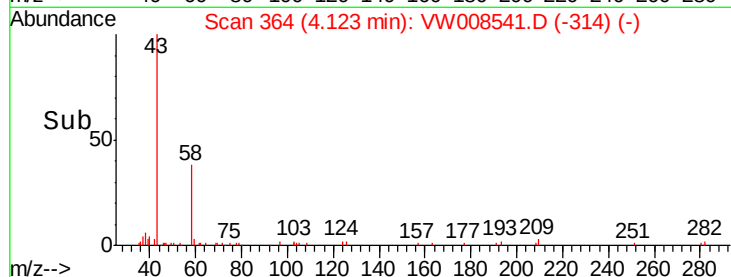
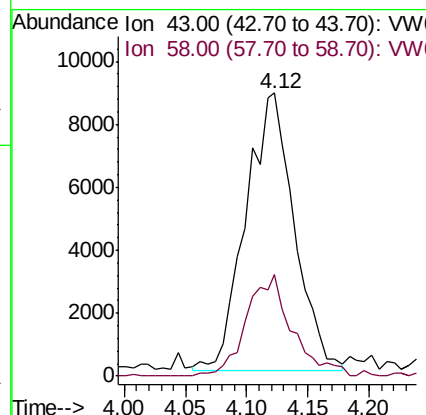
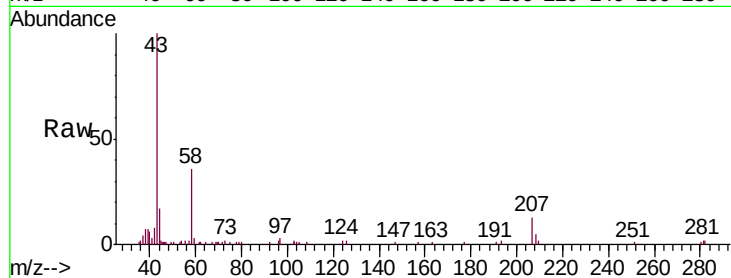




#16
Acetone
Concen: 20.852 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008541.D
Acq: 06 Feb 2019 21:15

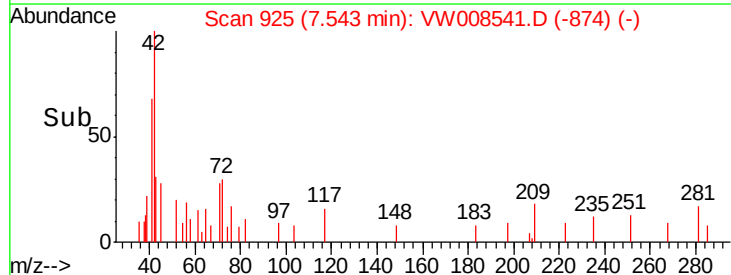
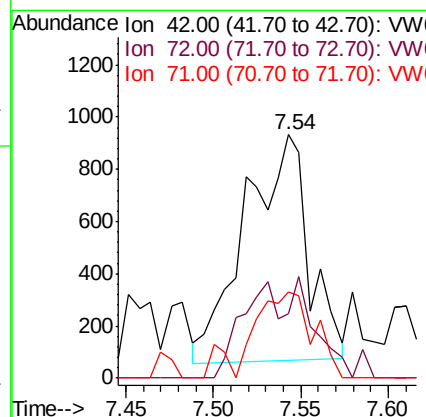
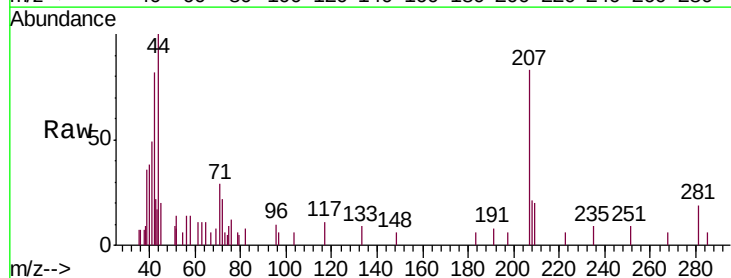
Instrument :
MSVOA_W
ClientSampled :
M-7-S

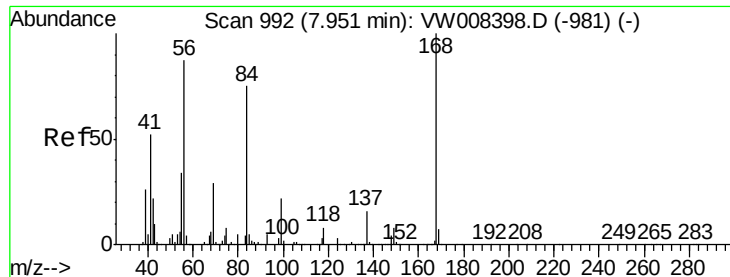
Tgt Ion: 43 Resp: 24213
Ion Ratio Lower Upper
43 100
58 37.2 22.6 34.0#



#29
Tetrahydrofuran
Concen: 2.159 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW008541.D
Acq: 06 Feb 2019 21:15

Tgt Ion: 42 Resp: 2207
Ion Ratio Lower Upper
42 100
72 28.3 31.9 47.9#
71 33.6 29.9 44.9

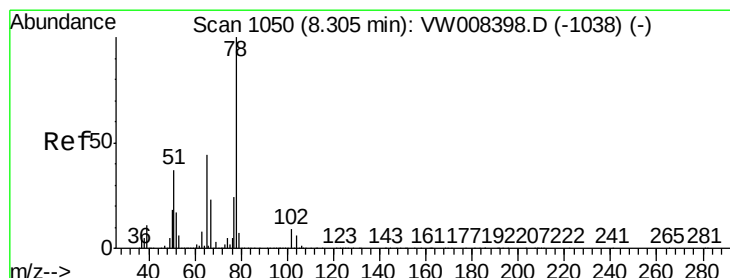
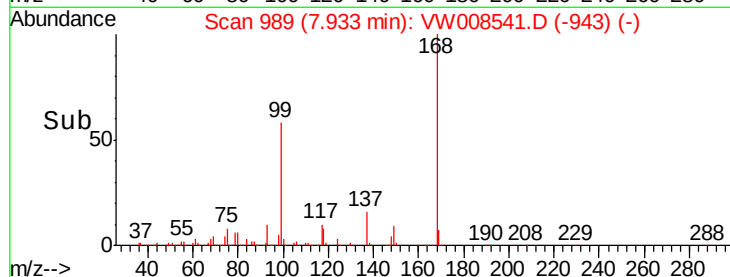
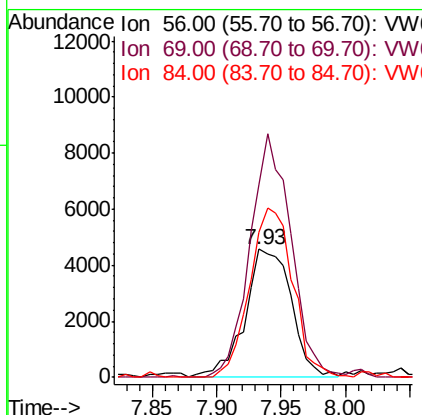
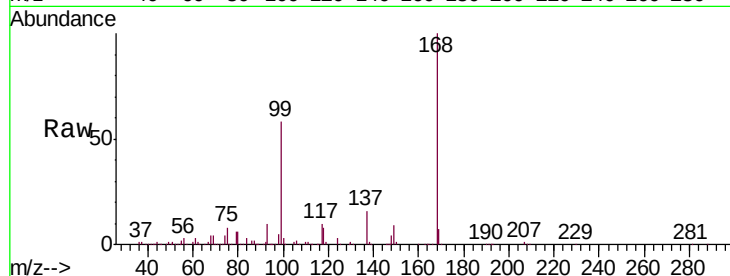




#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW008541.D
Acq: 06 Feb 2019 21:15

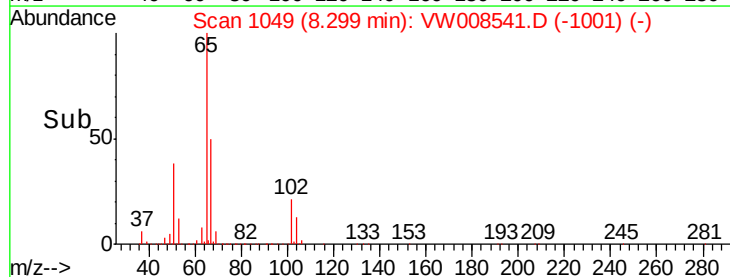
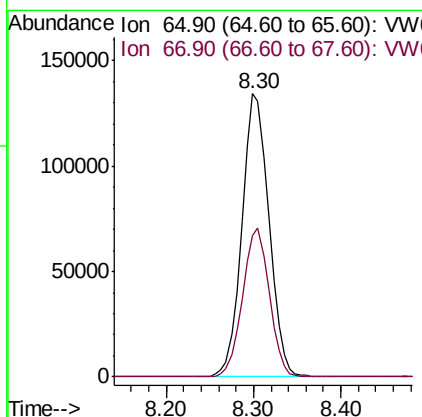
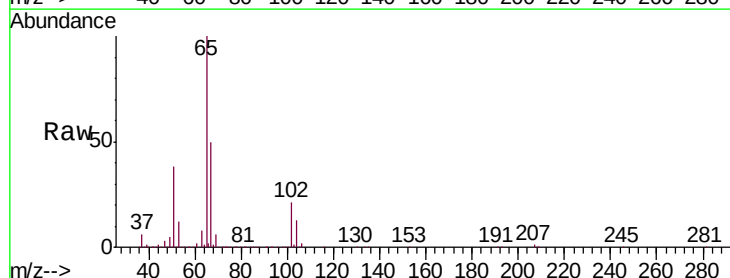
Instrument :
MSVOA_W
ClientSampled :
M-7-S

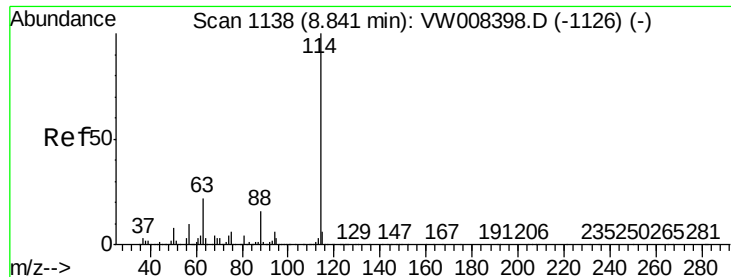
Tgt Ion: 56 Resp: 11404
Ion Ratio Lower Upper
56 100
69 155.5 26.4 39.6#
84 112.8 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 55.782 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008541.D
Acq: 06 Feb 2019 21:15

Tgt Ion: 65 Resp: 288439
Ion Ratio Lower Upper
65 100
67 52.1 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: VW008541.D

Acq: 06 Feb 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

M-7-S

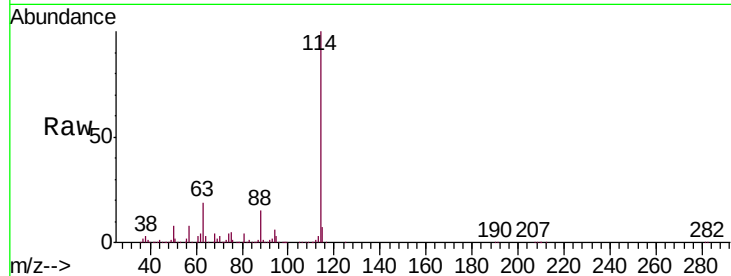
Tgt Ion:114 Resp: 869359

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.6

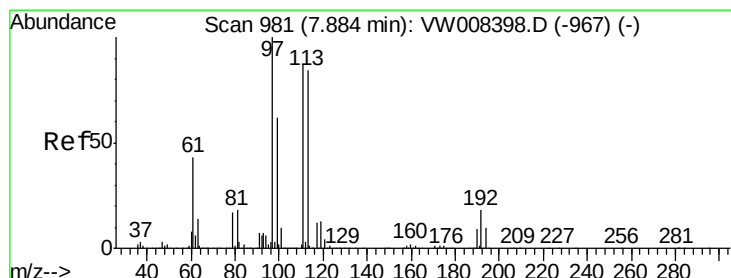
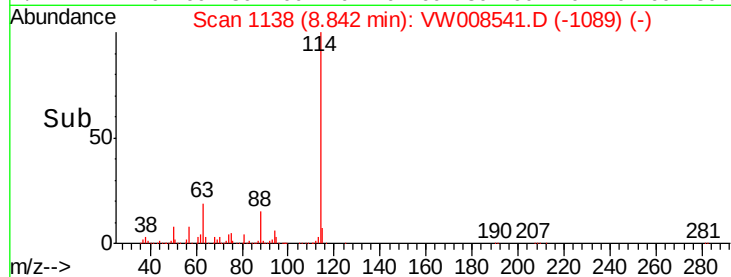
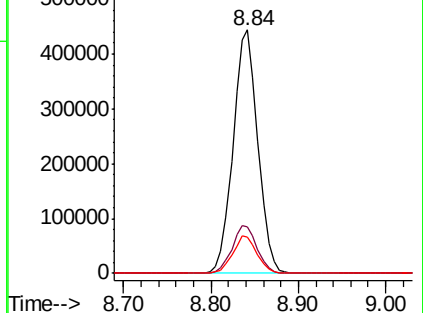
88 14.9 0.0 31.8



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: 52.306 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008541.D

Acq: 06 Feb 2019 21:15

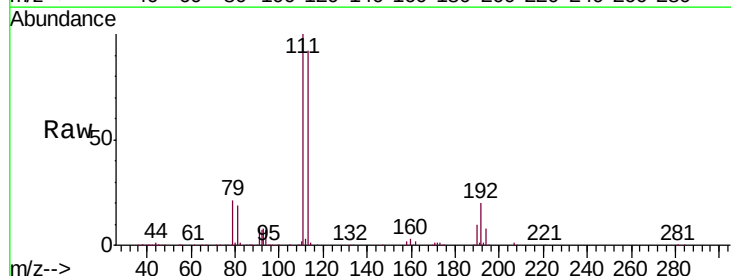
Tgt Ion:113 Resp: 265894

Ion Ratio Lower Upper

113 100

111 104.0 81.0 121.4

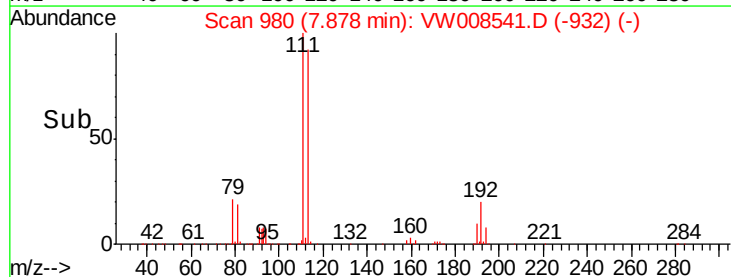
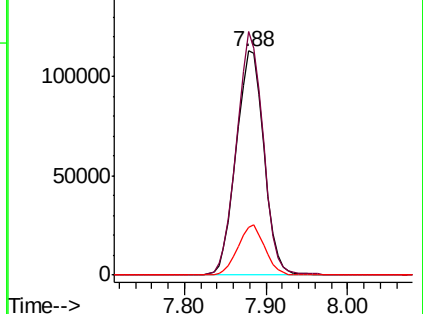
192 21.8 16.8 25.2

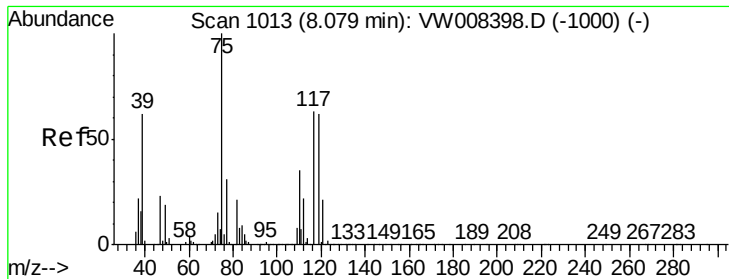


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

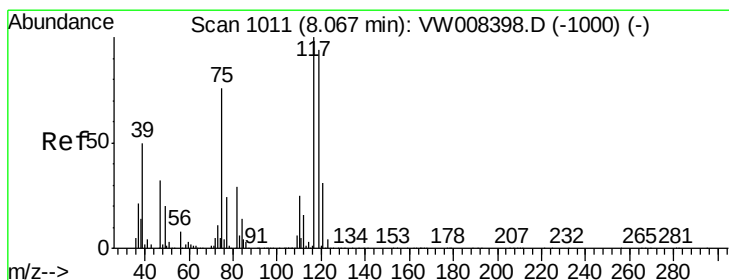
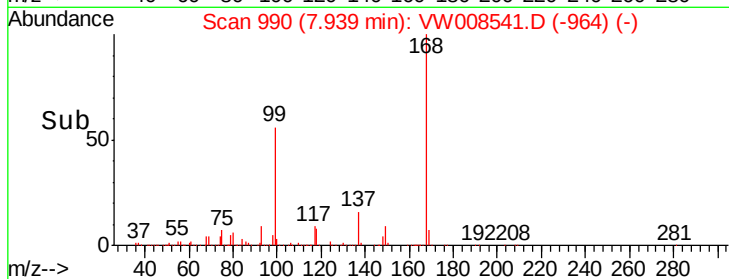
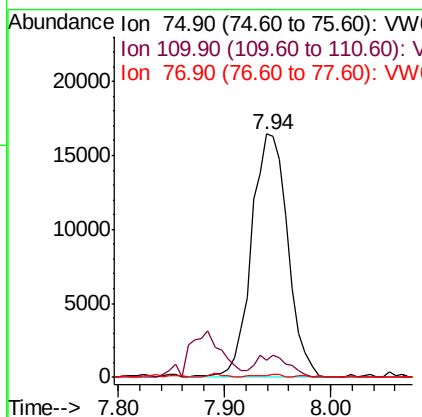
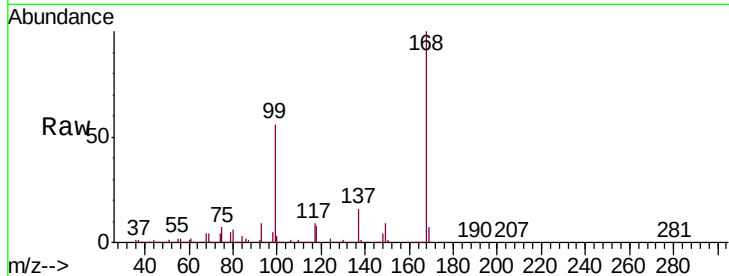




#36
 1,1-Dichloropropene
 Concen: 4.787 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008541.D
 Acq: 06 Feb 2019 21:15

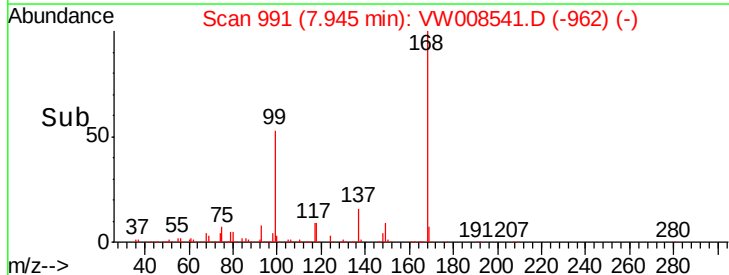
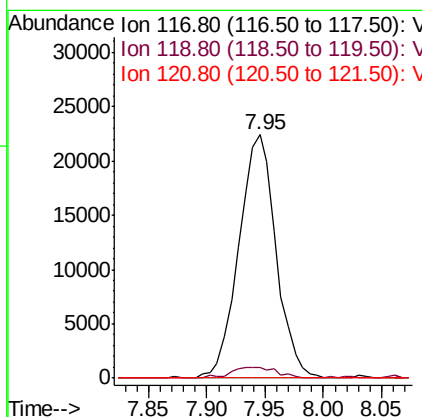
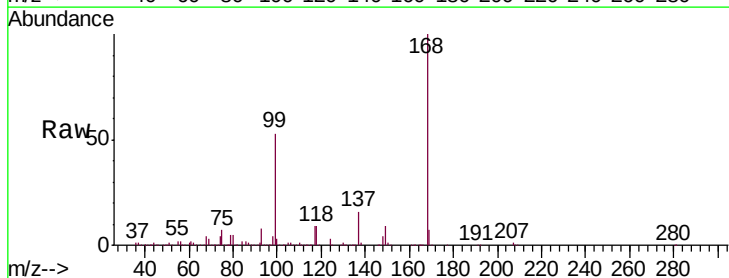
Instrument :
 MSVOA_W
 ClientSampled :
 M-7-S

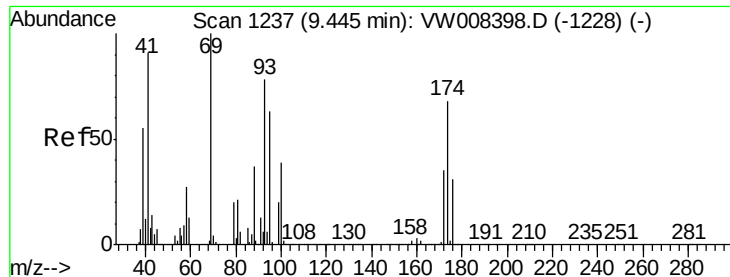
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.3	52.0#
77	0.2	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.027 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008541.D
 Acq: 06 Feb 2019 21:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	75.0	112.4#
121	0.0	24.9	37.3#

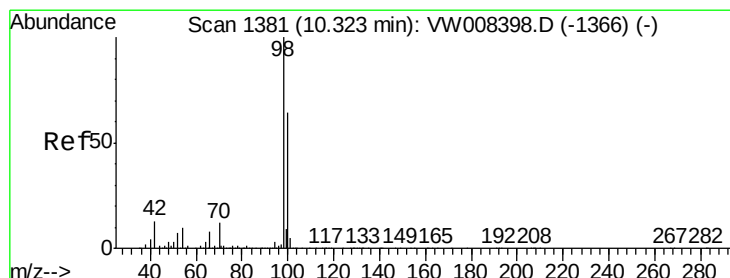
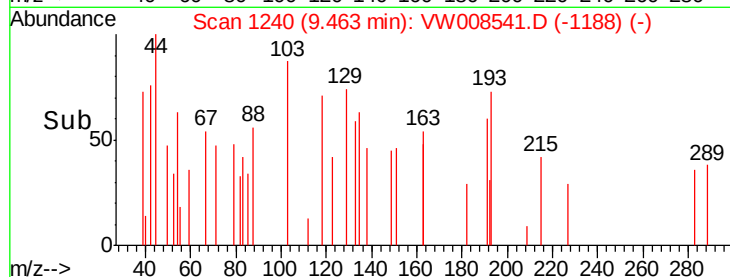
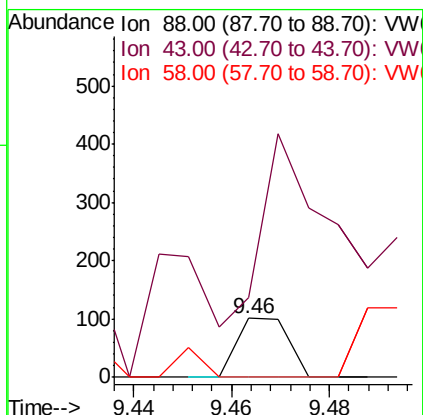
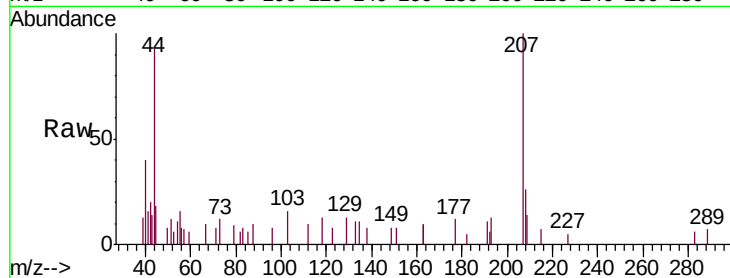




#49
1,4-Dioxane
Concen: 1.478 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW008541.D
Acq: 06 Feb 2019 21:15

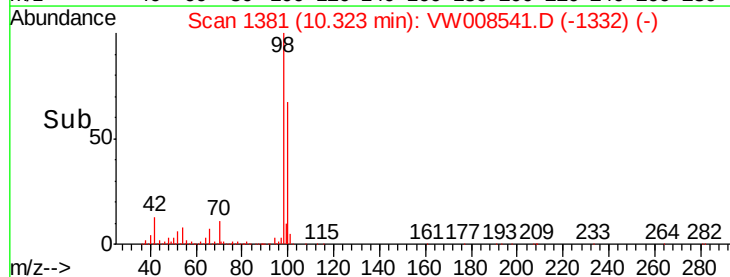
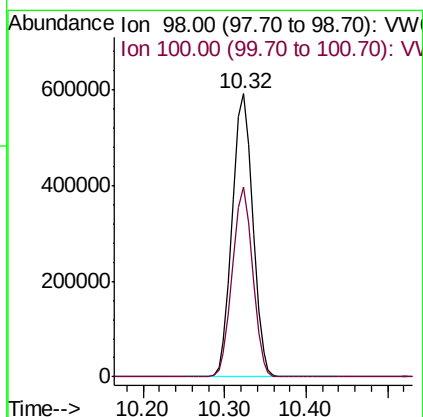
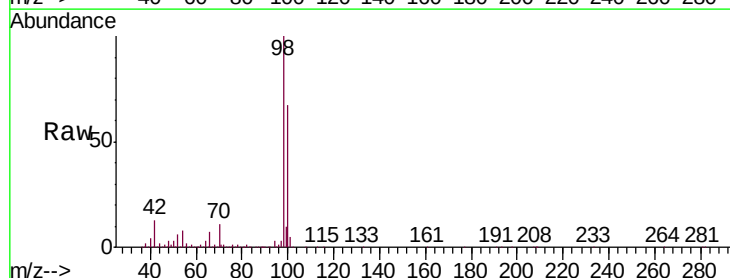
Instrument :
MSVOA_W
ClientSampled :
M-7-S

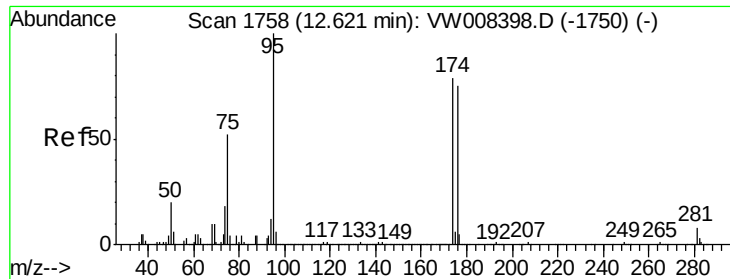
Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 435.6 29.0 43.4#
58 0.0 56.4 84.6#



#50
Toluene-d8
Concen: 50.187 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008541.D
Acq: 06 Feb 2019 21:15

Tgt Ion: 98 Resp: 1023060
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8

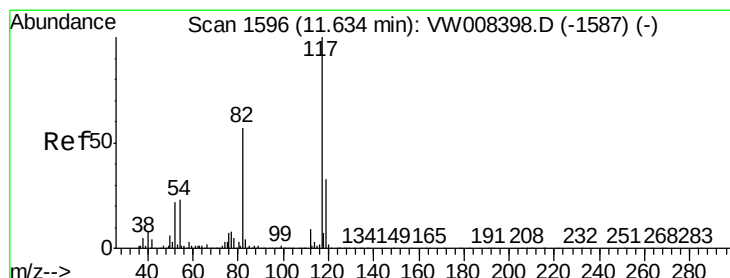
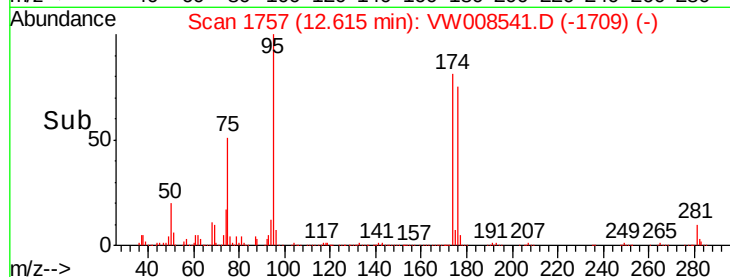
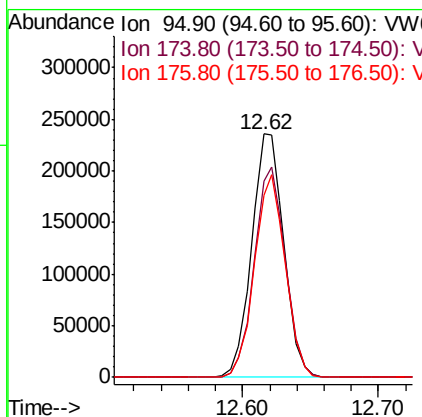
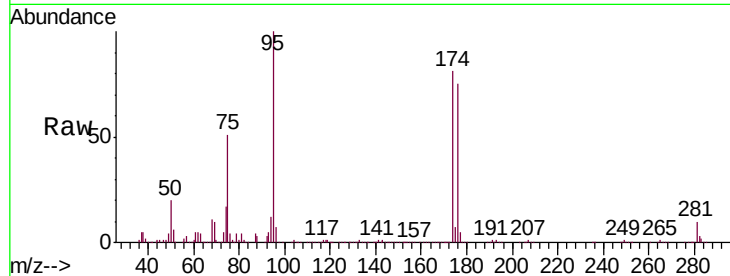




#62
4-Bromofluorobenzene
Concen: 49.768 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW008541.D
Acq: 06 Feb 2019 21:15

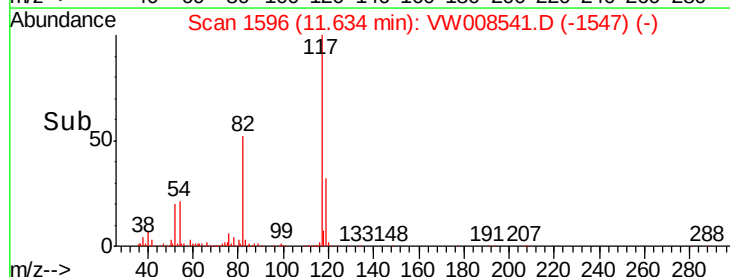
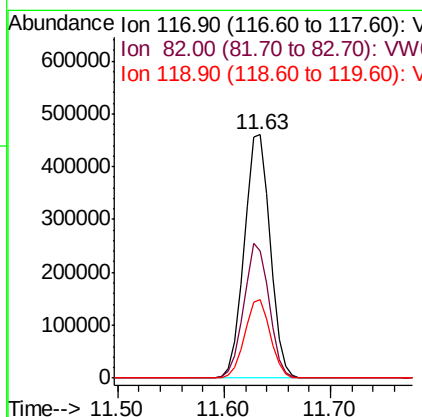
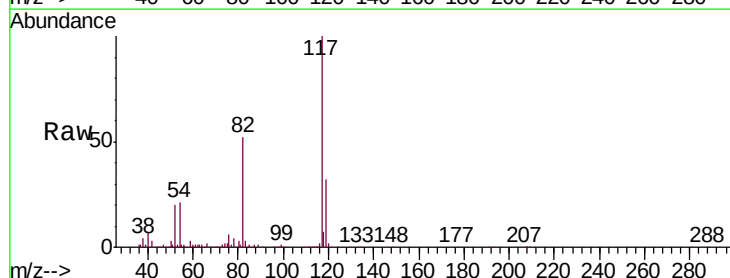
Instrument :
MSVOA_W
ClientSampled :
M-7-S

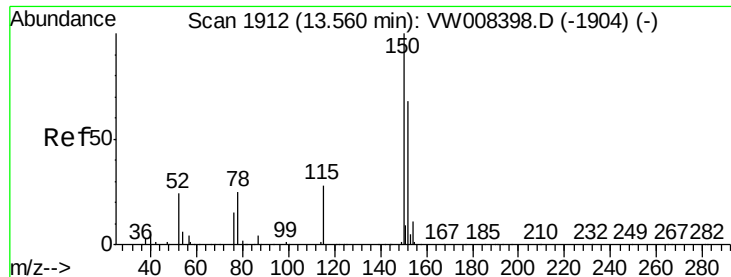
Tgt Ion	Resp	Lower	Upper
95	389963		
174	83.9	0.0	157.6
176	80.2	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008541.D
Acq: 06 Feb 2019 21:15

Tgt Ion	Resp	Lower	Upper
117	789090		
82	52.3	45.4	68.0
119	32.0	26.2	39.4

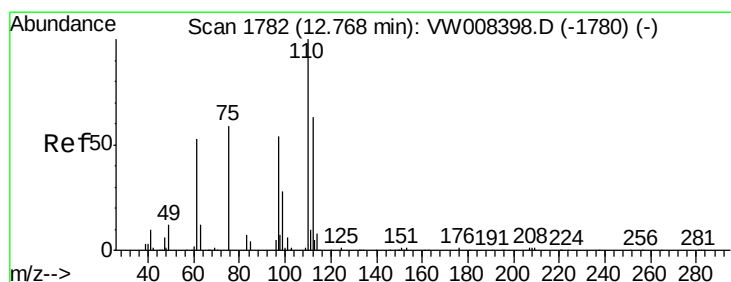
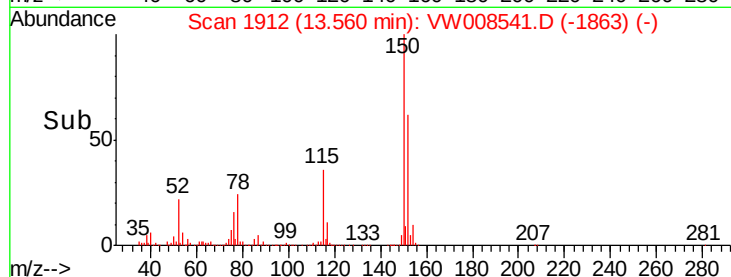
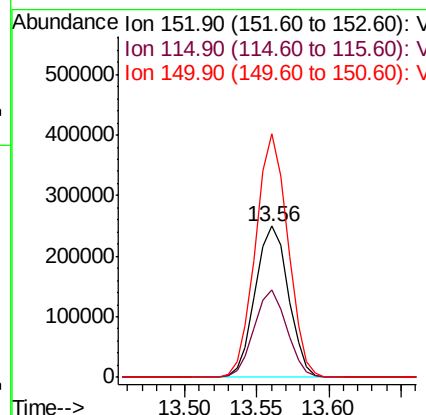
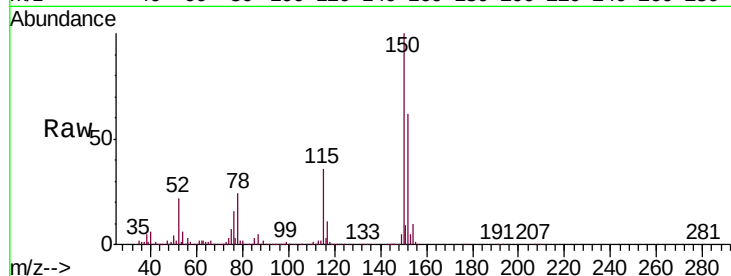




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008541.D
 Acq: 06 Feb 2019 21:15

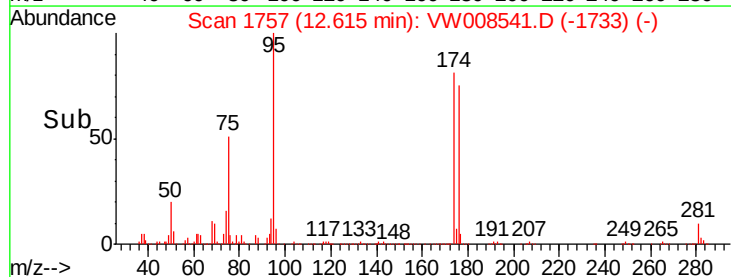
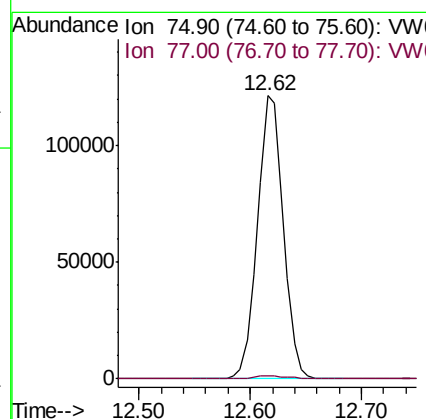
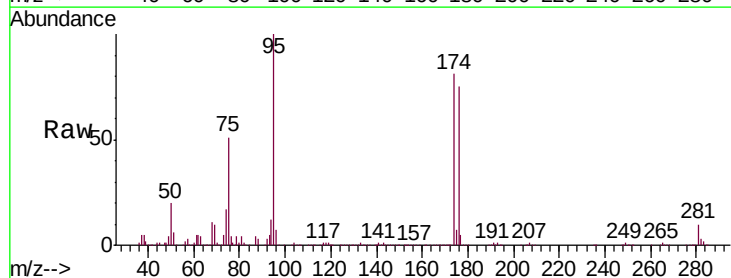
Instrument :
 MSVOA_W
 ClientSampleId :
 M-7-S

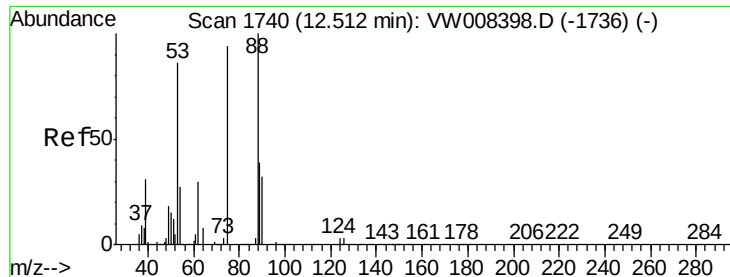
Tgt Ion: 152 Resp: 398460
 Ion Ratio Lower Upper
 152 100
 115 56.9 29.9 89.7
 150 156.6 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 56.754 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW008541.D
 Acq: 06 Feb 2019 21:15

Tgt Ion: 75 Resp: 196615
 Ion Ratio Lower Upper
 75 100
 77 1.5 180.7 542.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 112.094 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008541.D

Acq: 06 Feb 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

M-7-S

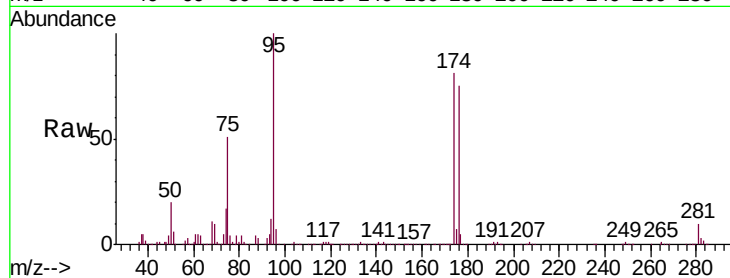
Tgt Ion: 75 Resp: 196615

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.0 35.4 53.0#



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

