

Data File : VW008459.D
Acq On : 30 Jan 2019 12:17
Operator : SY/VA
Sample : K1281-01
Misc : 7.43G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-16(35.5-36)

Quant Time: Jan 31 00:24:24 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	399859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	641516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	575774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	289553	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	202623	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
35) Dibromofluoromethane	7.88	113	200037	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
50) Toluene-d8	10.32	98	759318	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.62	95	279503	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	

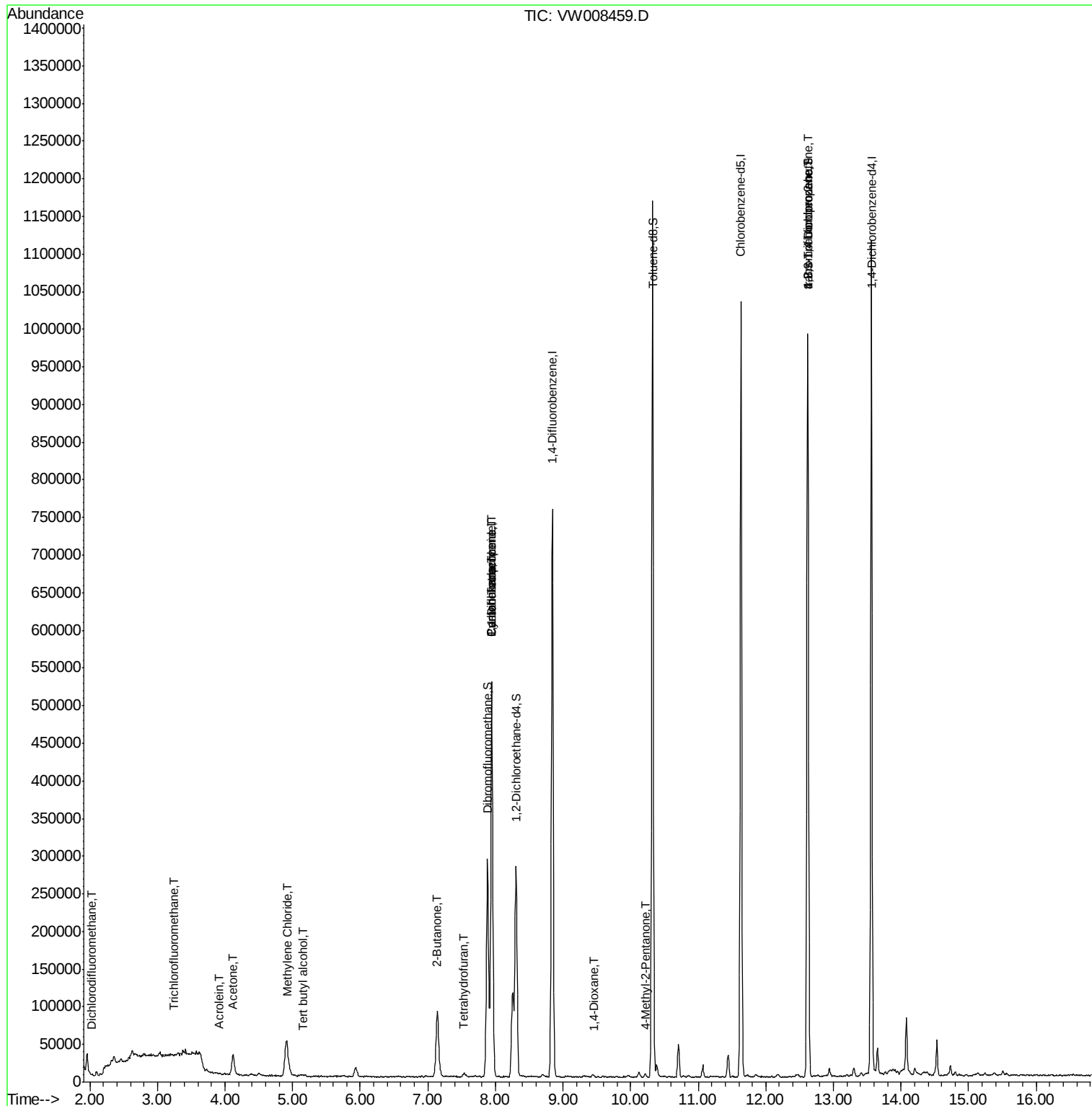
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.03	85	181	3.326	ug/l #	41
7) Trichlorofluoromethane	3.24	101	499	4.850	ug/l	98
11) Tert butyl alcohol	5.14	59	659	2.084	ug/l #	74
13) Acrolein	3.92	56	149	4.710	ug/l #	14
16) Acetone	4.12	43	46030	52.180	ug/l	99
20) Methylene Chloride	4.91	84	41557	10.221	ug/l	92
25) 2-Butanone	7.14	43	5347	4.364	ug/l #	73
29) Tetrahydrofuran	7.52	42	2862	3.686	ug/l #	80
31) Cyclohexane	7.95	56	8555	1.110	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	28889	4.767	ug/l #	51
38) Carbon Tetrachloride	7.95	117	36560	5.995	ug/l #	16
49) 1,4-Dioxane	9.46	88	54	1.481	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	2934	1.066	ug/l #	72
76) 1,2,3-Trichloropropane	12.62	75	141643	56.264	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	141643	111.126	ug/l #	12

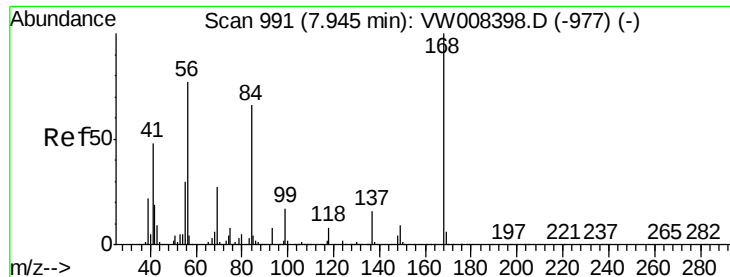
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008459.D

Acq: 30 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

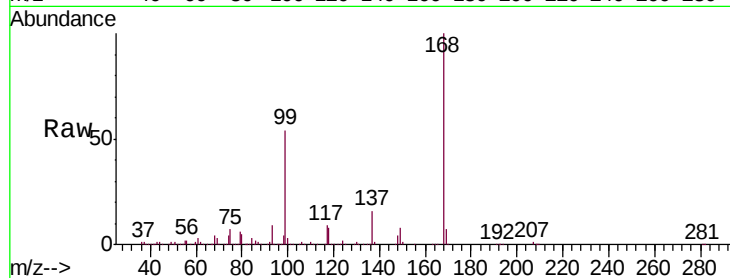
SB-16(35.5-36)

Tgt Ion:168 Resp: 399859

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

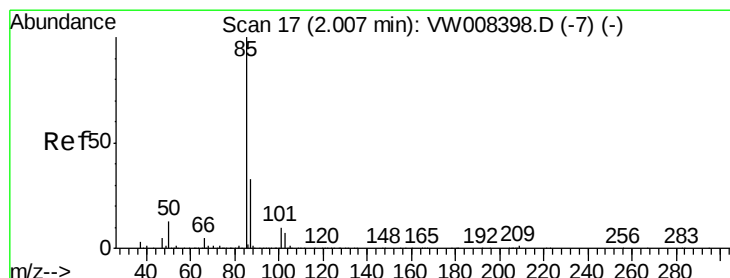
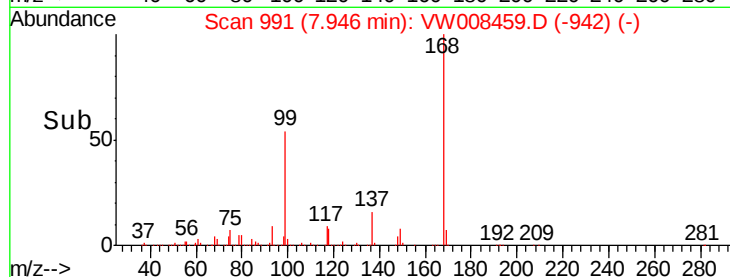
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 3.326 ug/l

RT: 2.03 min Scan# 20

Delta R.T. 0.02 min

Lab File: VW008459.D

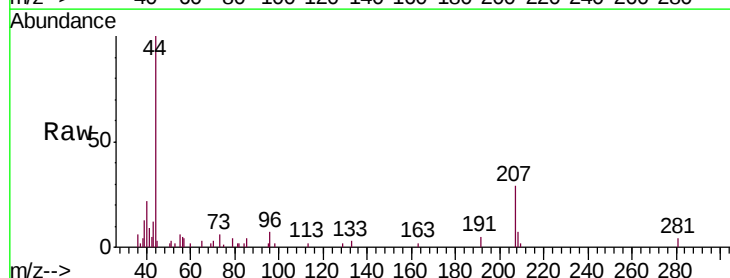
Acq: 30 Jan 2019 12:17

Tgt Ion: 85 Resp: 181

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

2.03

150

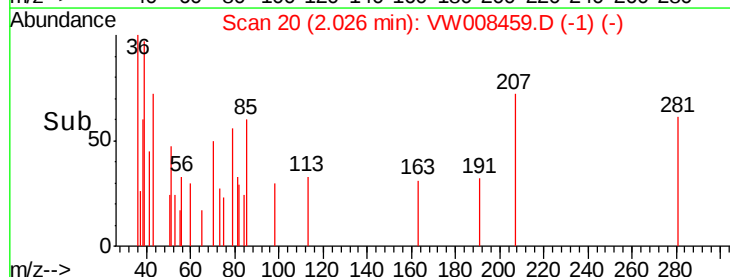
100

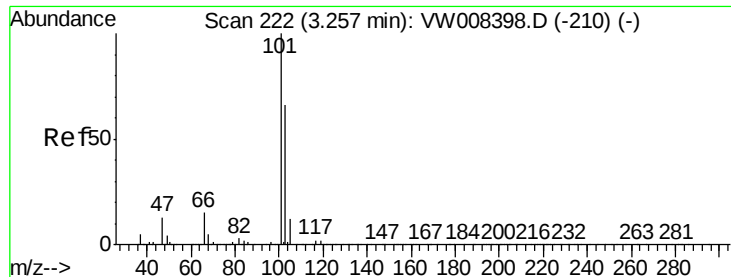
50

0

Time-->

1.98 2.00 2.02 2.04



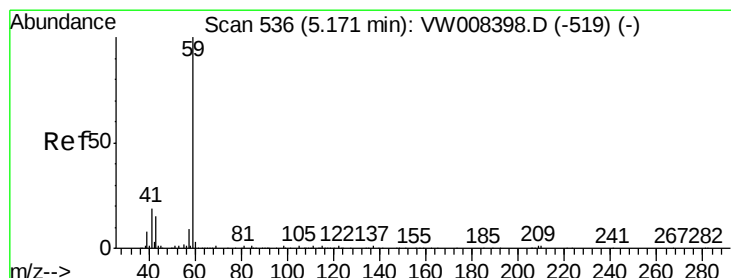
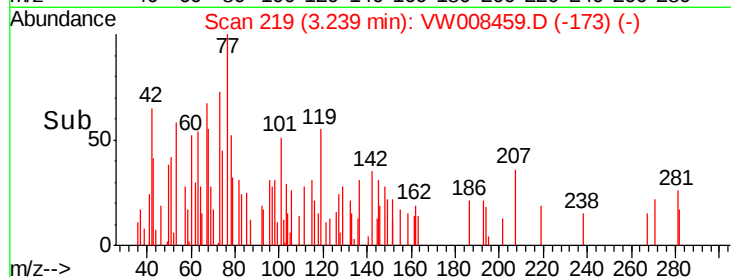
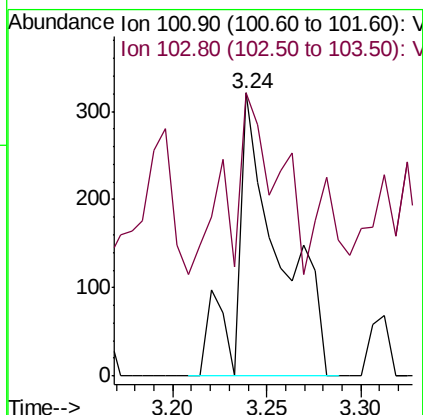
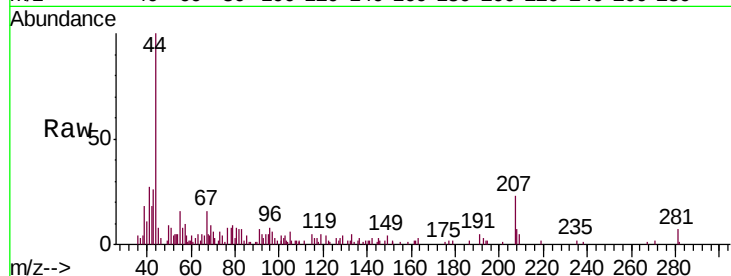


#7

Trichlorofluoromethane
 Concen: 4.850 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VW008459.D
 Acq: 30 Jan 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-16(35.5-36)

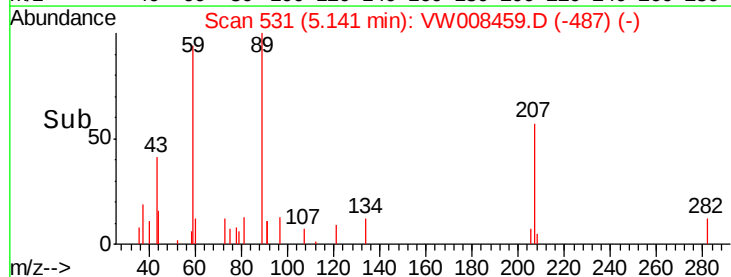
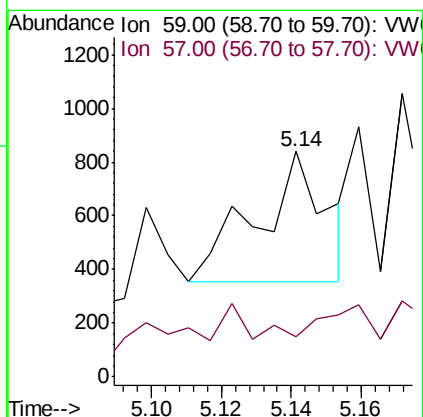
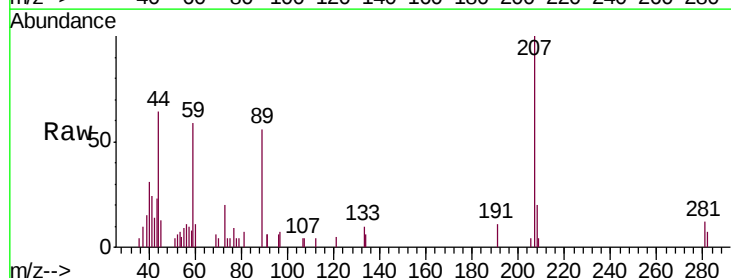
Tgt Ion: 101 Resp: 499
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.5 78.7

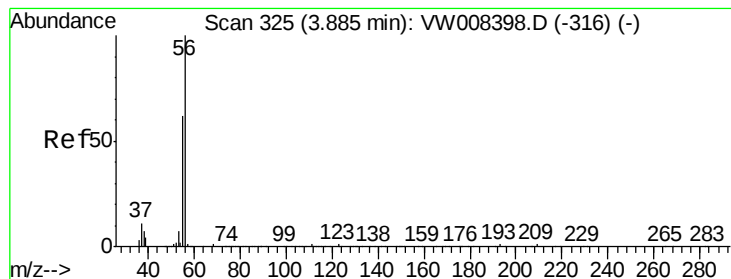


#11

Tert butyl alcohol
 Concen: 2.084 ug/l
 RT: 5.14 min Scan# 531
 Delta R.T. -0.03 min
 Lab File: VW008459.D
 Acq: 30 Jan 2019 12:17

Tgt Ion: 59 Resp: 659
 Ion Ratio Lower Upper
 59 100
 57 21.7 9.3 13.9#





#13

Acrolein

Concen: 4.710 ug/l

RT: 3.92 min Scan# 330

Delta R.T. 0.03 min

Lab File: VW008459.D

Acq: 30 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampled :

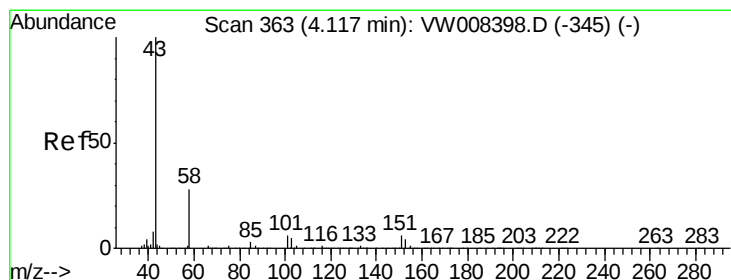
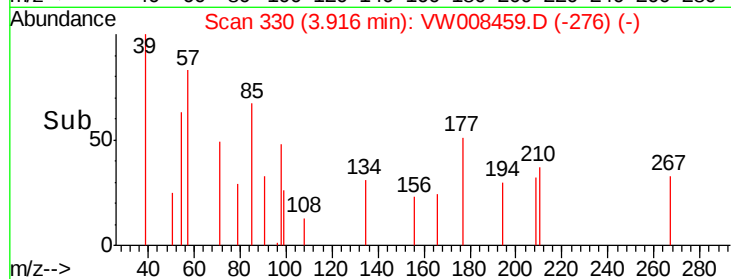
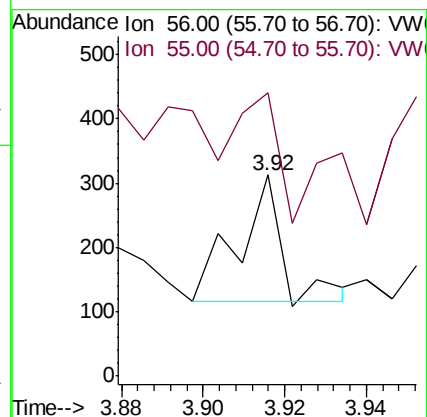
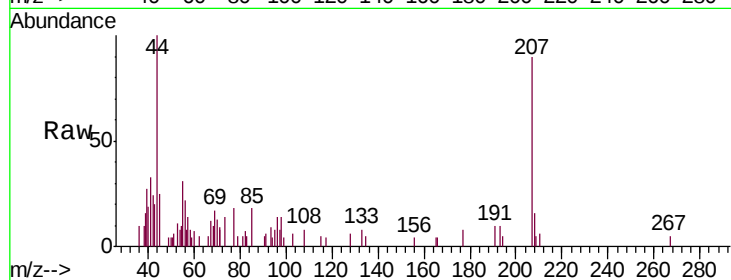
SB-16(35.5-36)

Tgt Ion: 56 Resp: 149

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 52.180 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008459.D

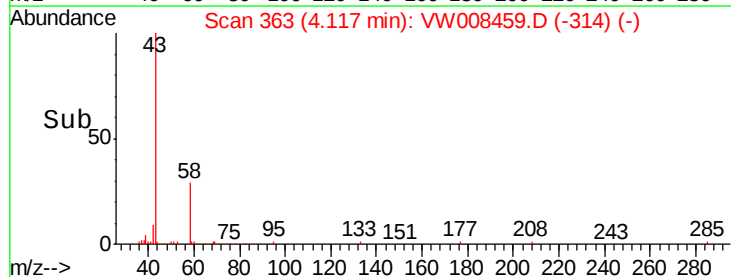
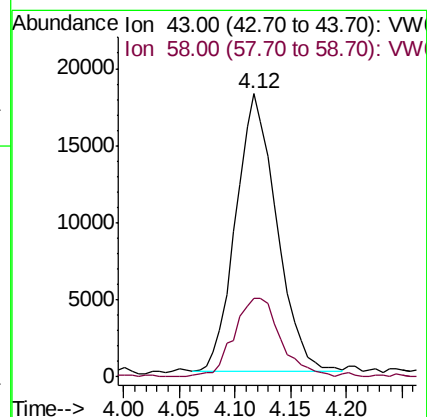
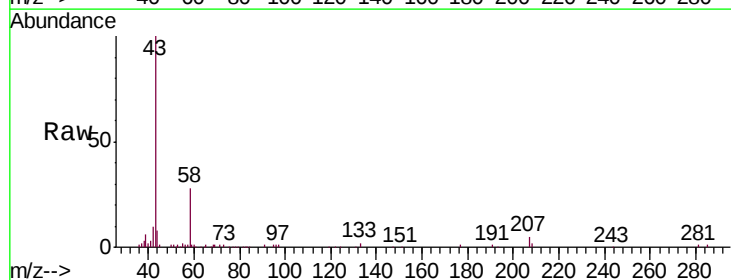
Acq: 30 Jan 2019 12:17

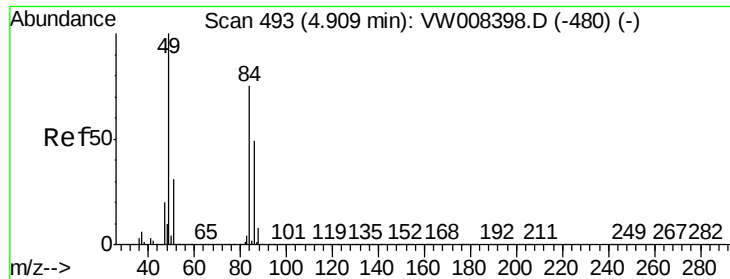
Tgt Ion: 43 Resp: 46030

Ion Ratio Lower Upper

43 100

58 27.8 22.6 34.0

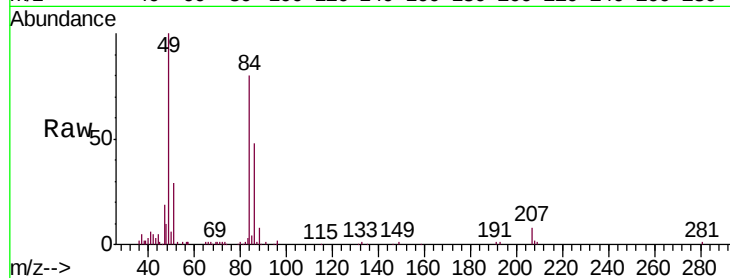




#20
Methylene Chloride
Concen: 10.221 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008459.D
Acq: 30 Jan 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
SB-16(35.5-36)

Tgt Ion:	84	Resp:	41557
Ion	Ratio	Lower	Upper
84	100		
49	123.9	106.8	160.2
51	35.5	32.9	49.3
86	60.0	52.2	78.2



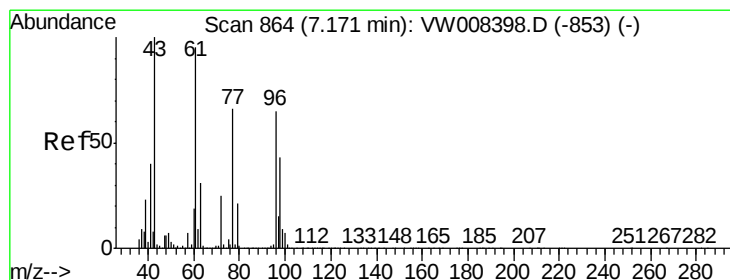
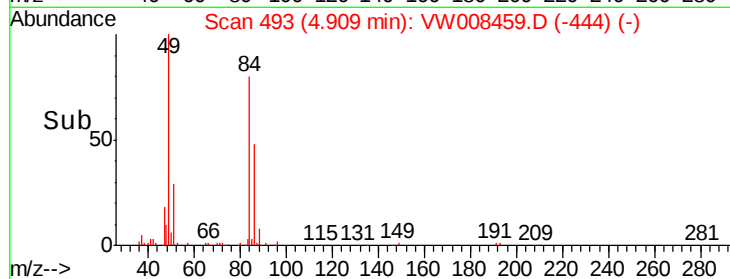
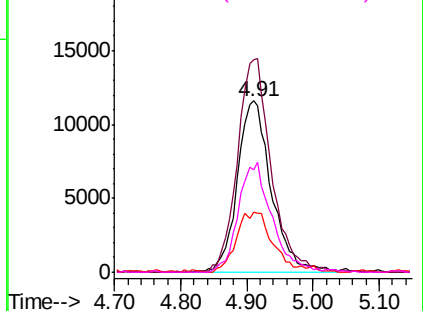
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

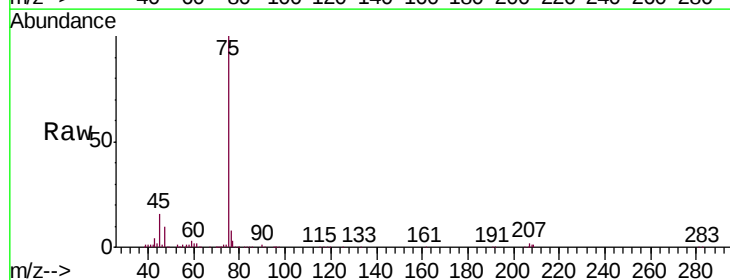
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 4.364 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW008459.D
Acq: 30 Jan 2019 12:17

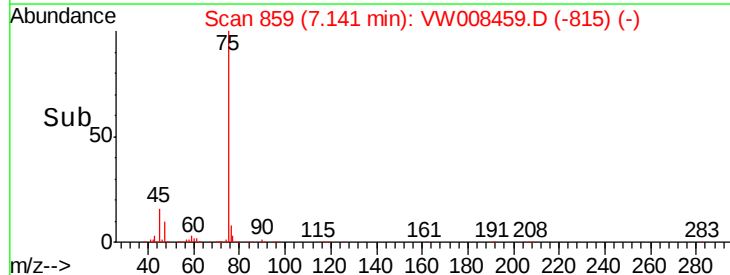
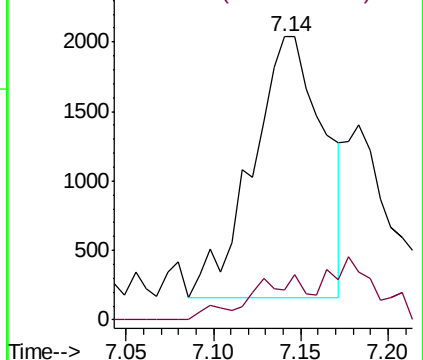
Tgt Ion:	43	Resp:	5347
Ion	Ratio	Lower	Upper
43	100		
72	11.7	20.1	30.1#

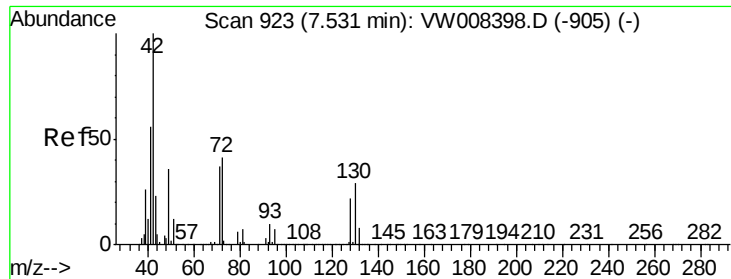


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

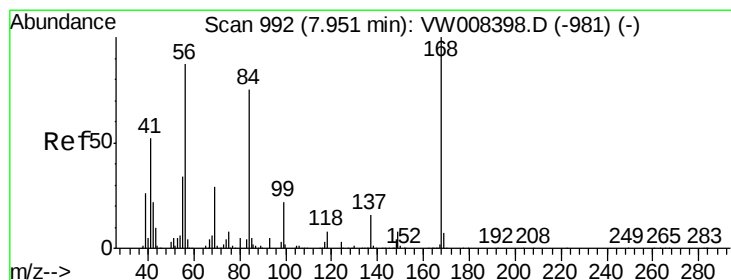
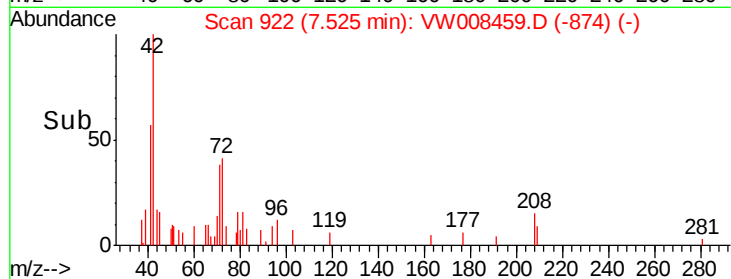
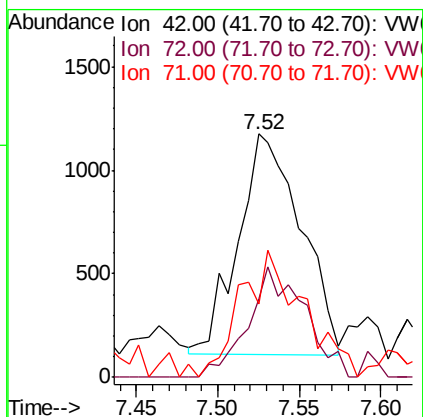
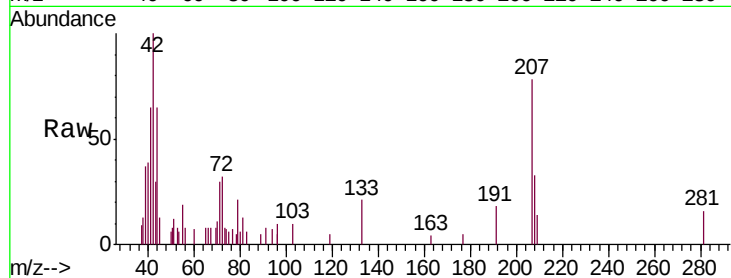




#29
Tetrahydrofuran
Concen: 3.686 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008459.D
Acq: 30 Jan 2019 12:17

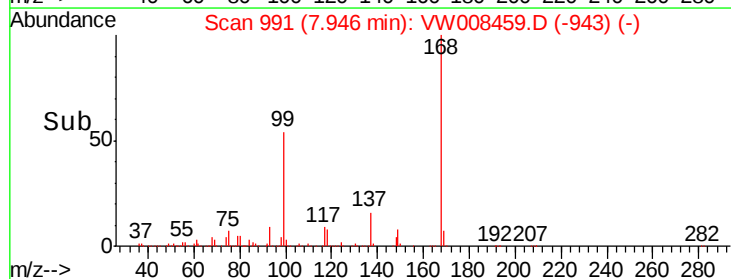
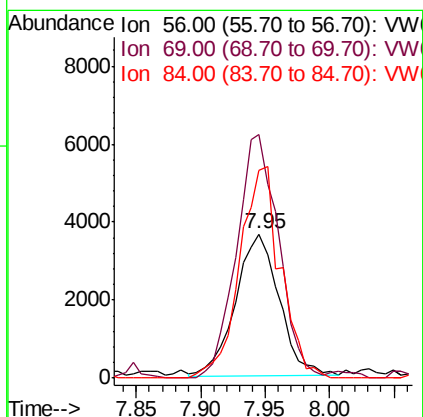
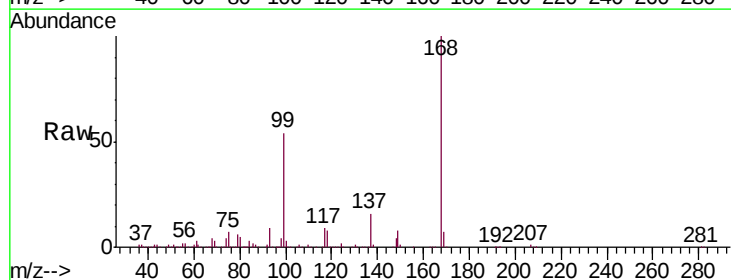
Instrument :
MSVOA_W
ClientSampleId :
SB-16(35.5-36)

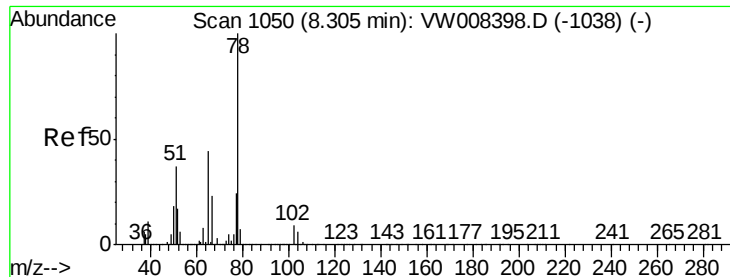
Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.0	31.9	47.9
71	56.6	29.9	44.9#



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008459.D
Acq: 30 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
56	100		
69	172.2	26.4	39.6#
84	147.2	69.1	103.7#

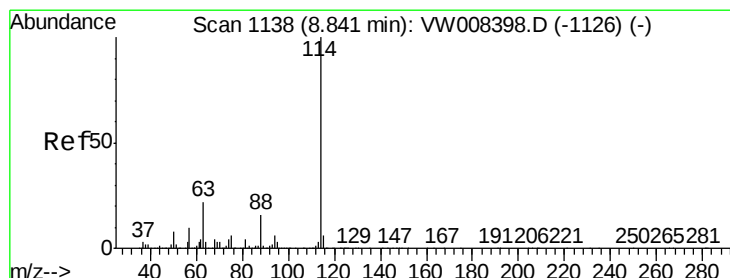
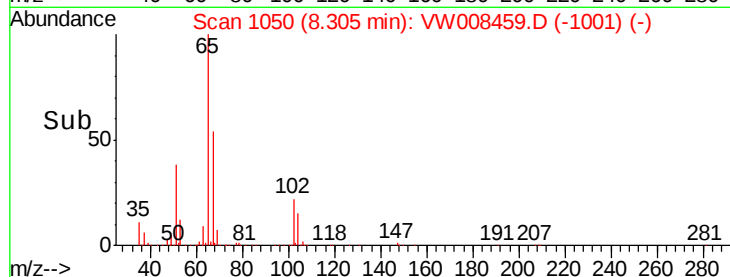
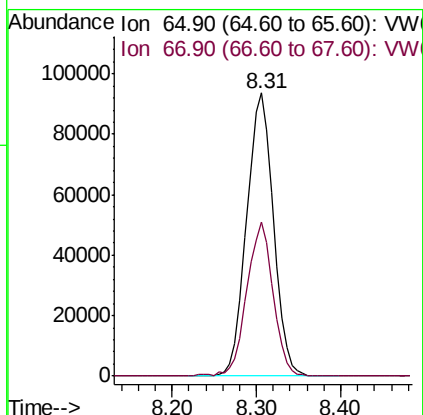
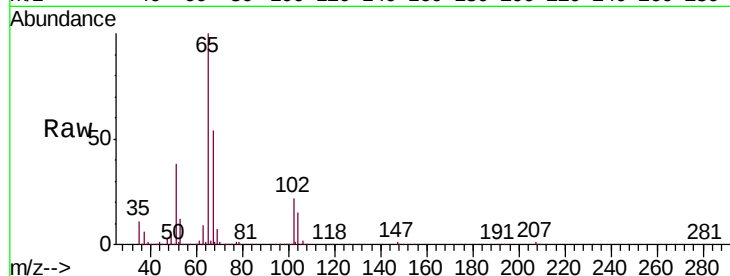




#33
 1,2-Dichloroethane-d4
 Concen: 51.581 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008459.D
 Acq: 30 Jan 2019 12:17

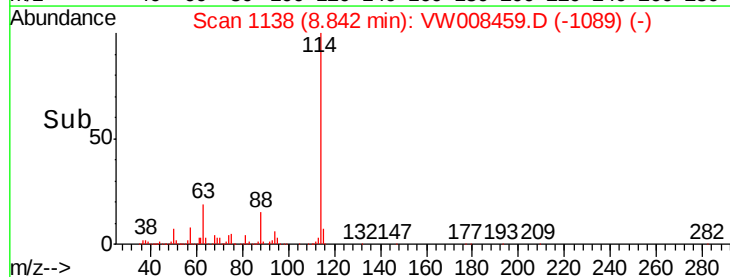
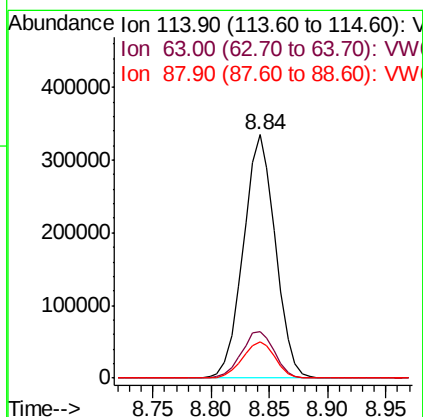
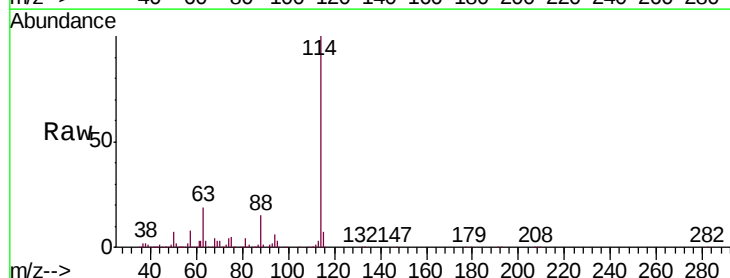
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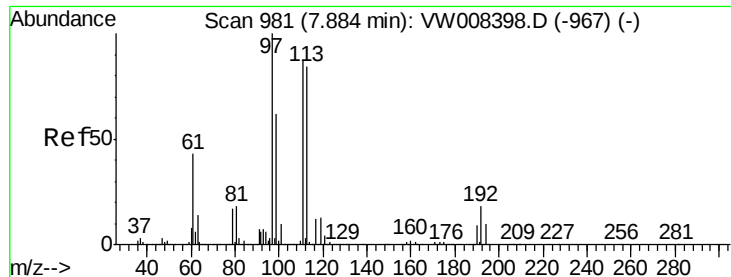
Tgt Ion: 65 Resp: 202623
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008459.D
 Acq: 30 Jan 2019 12:17

Tgt Ion: 114 Resp: 641516
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 43.6
 88 15.1 0.0 31.8

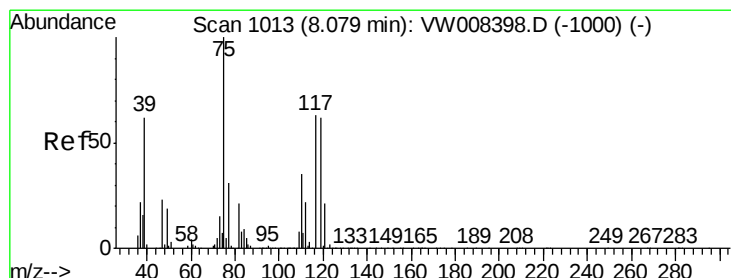
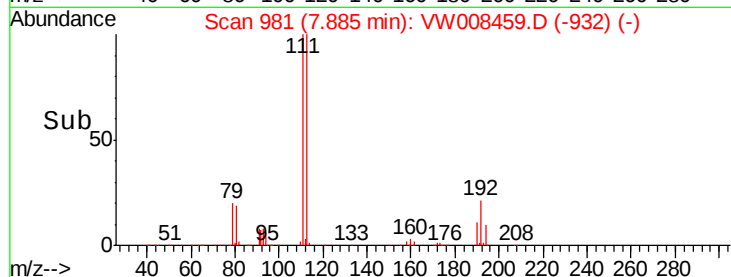
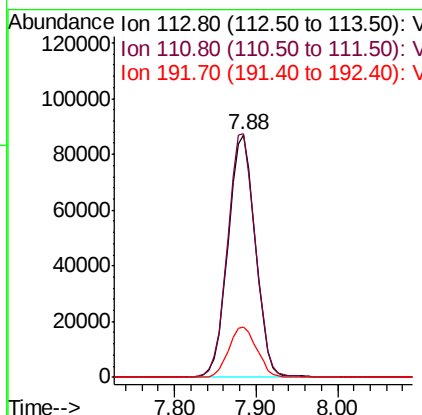
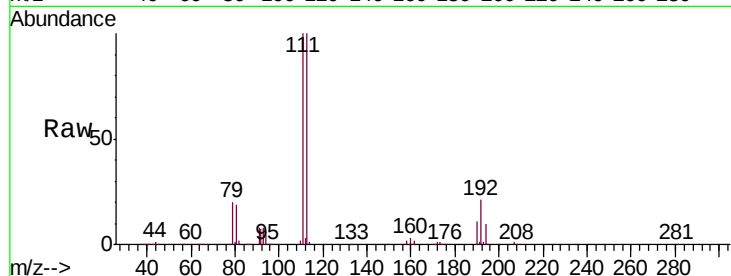




#35
 Dibromofluoromethane
 Concen: 53.327 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008459.D
 Acq: 30 Jan 2019 12:17

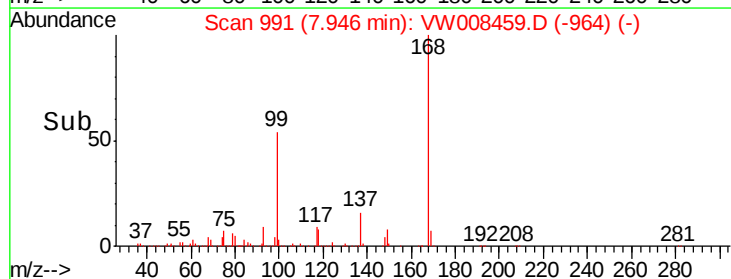
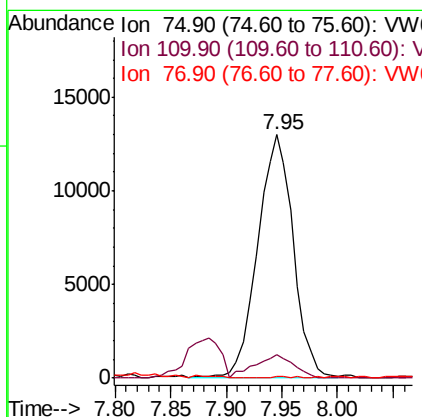
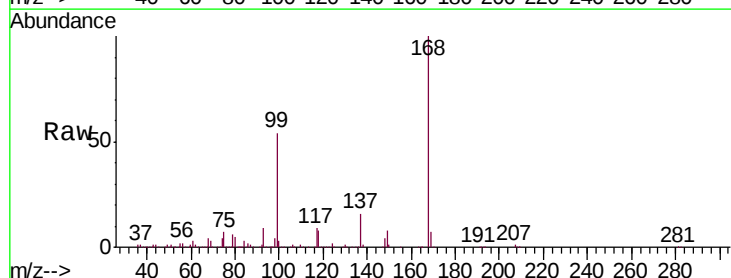
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-16(35.5-36)

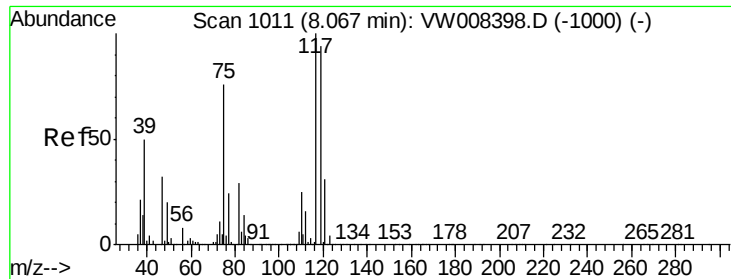
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.0	121.4
192	21.4	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.767 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008459.D
 Acq: 30 Jan 2019 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.3	52.0#
77	0.3	24.7	37.1#

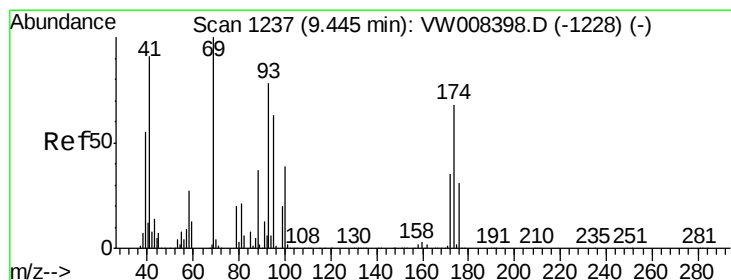
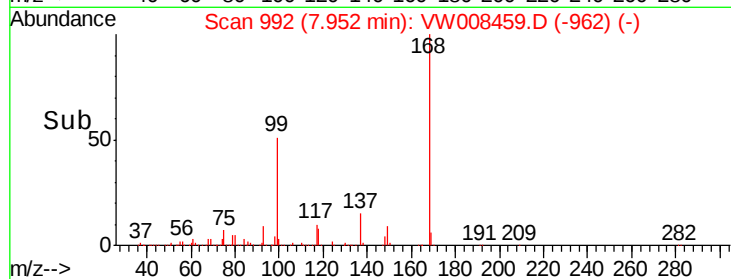
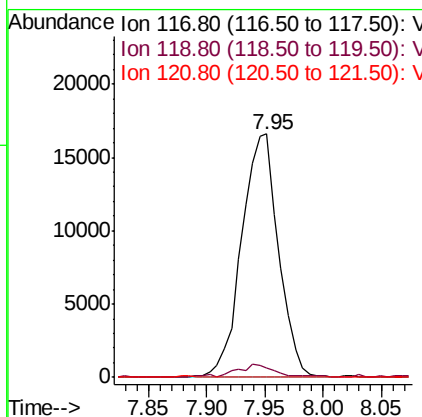
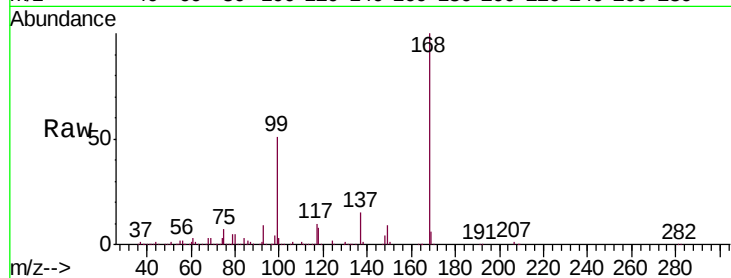




#38
Carbon Tetrachloride
Concen: 5.995 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008459.D
Acq: 30 Jan 2019 12:17

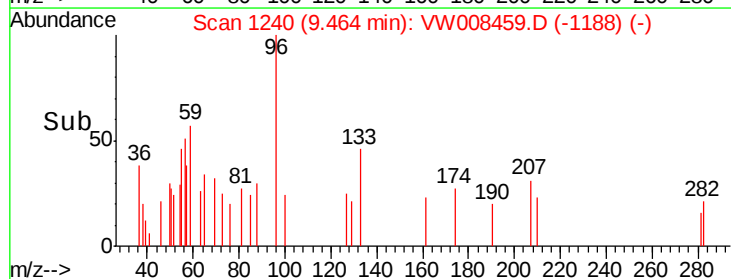
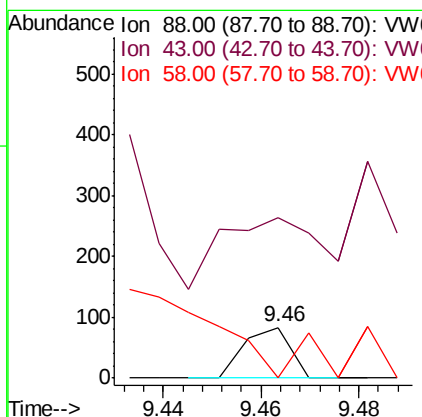
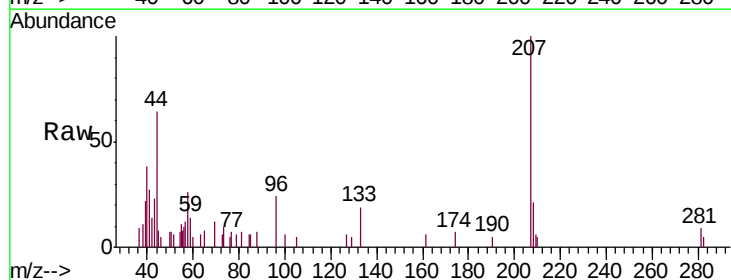
Instrument :
MSVOA_W
ClientSampleId :
SB-16(35.5-36)

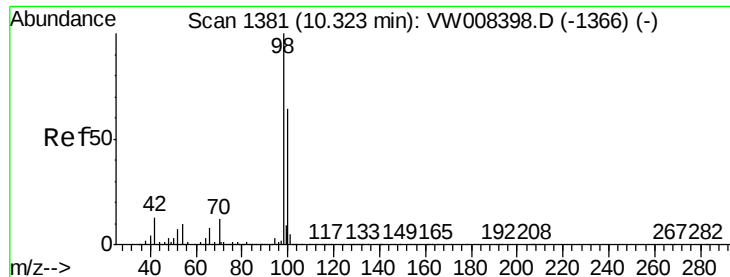
Tgt Ion: 117 Resp: 36560
Ion Ratio Lower Upper
117 100
119 3.7 75.0 112.4#
121 0.0 24.9 37.3#



#49
1,4-Dioxane
Concen: 1.481 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW008459.D
Acq: 30 Jan 2019 12:17

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 303.7 29.0 43.4#
58 50.0 56.4 84.6#





#50

Toluene-d8

Concen: 50.479 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008459.D

Acq: 30 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

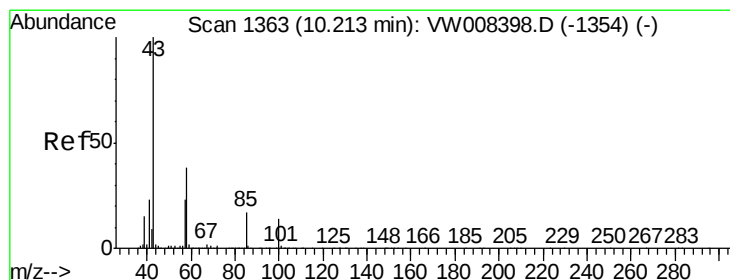
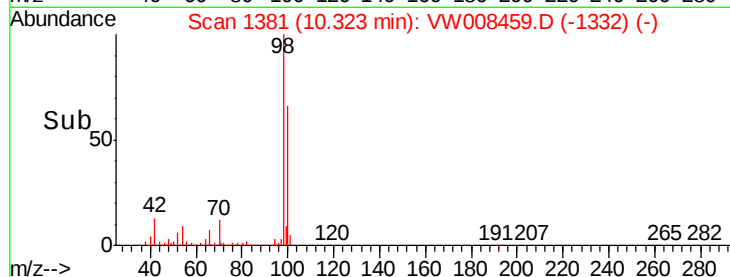
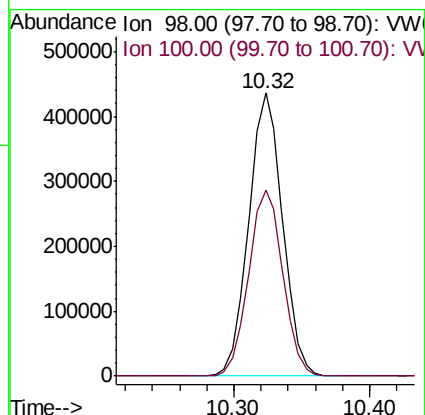
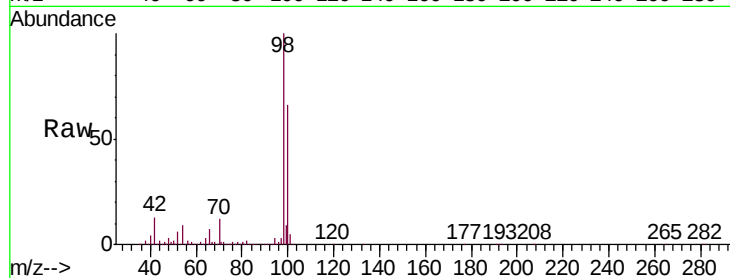
SB-16(35.5-36)

Tgt Ion: 98 Resp: 759318

Ion Ratio Lower Upper

98 100

100 66.6 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 1.066 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW008459.D

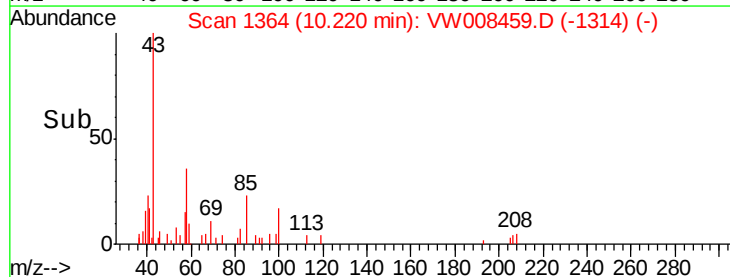
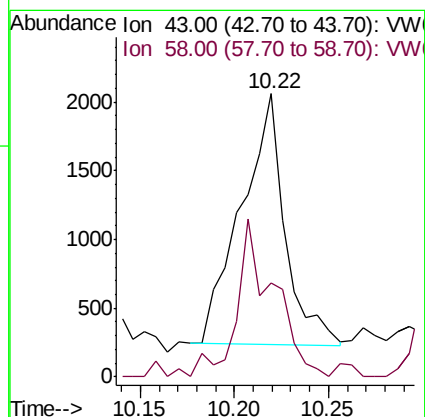
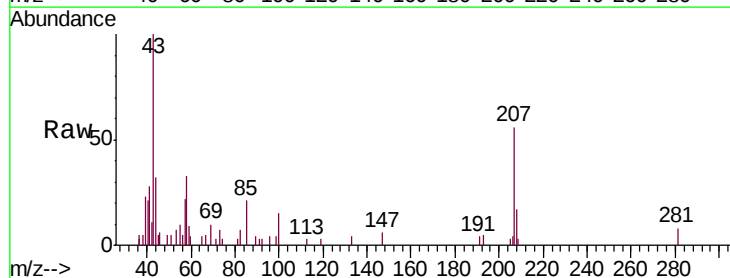
Acq: 30 Jan 2019 12:17

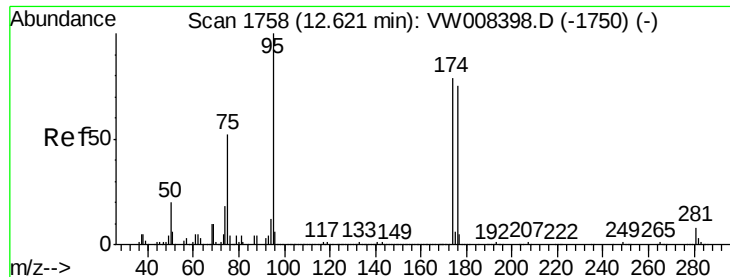
Tgt Ion: 43 Resp: 2934

Ion Ratio Lower Upper

43 100

58 53.6 29.7 44.5#





#62

4-Bromofluorobenzene

Concen: 48.340 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008459.D

Acq: 30 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

SB-16(35.5-36)

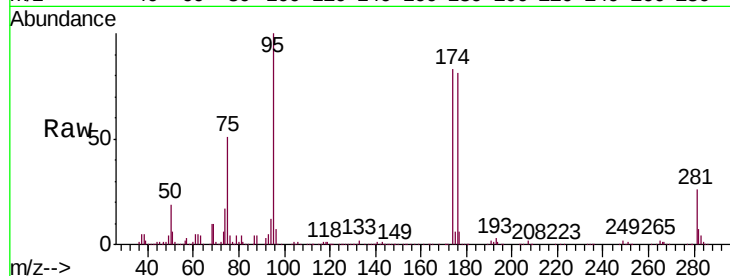
Tgt Ion: 95 Resp: 279503

Ion Ratio Lower Upper

95 100

174 84.2 0.0 157.6

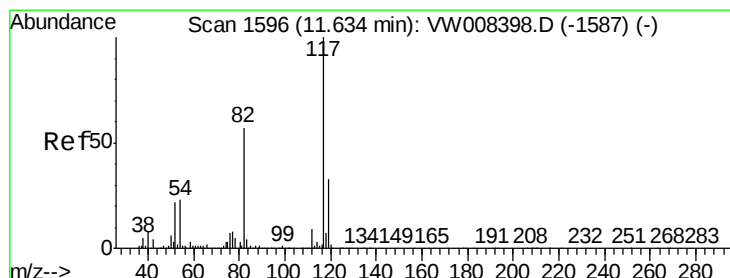
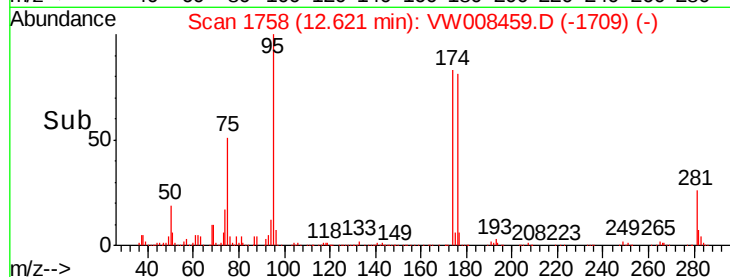
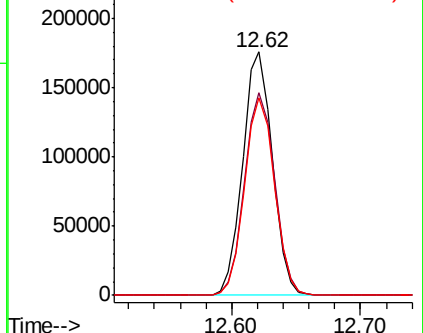
176 81.8 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008459.D

Acq: 30 Jan 2019 12:17

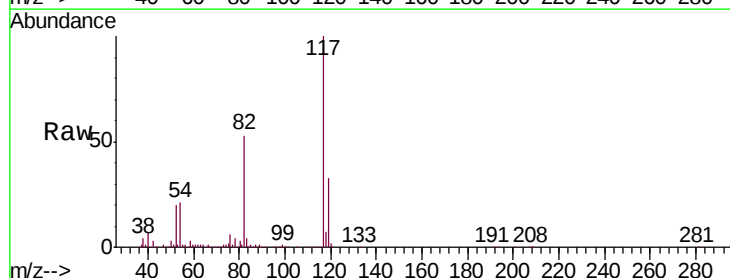
Tgt Ion: 117 Resp: 575774

Ion Ratio Lower Upper

117 100

82 52.7 45.4 68.0

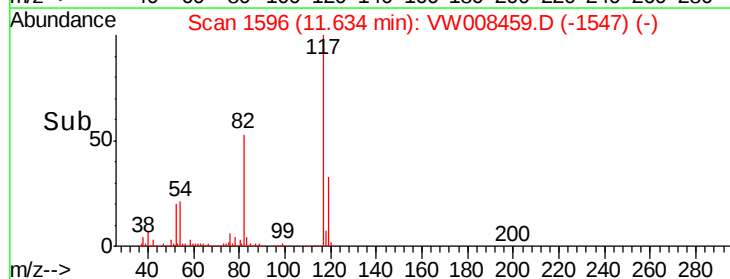
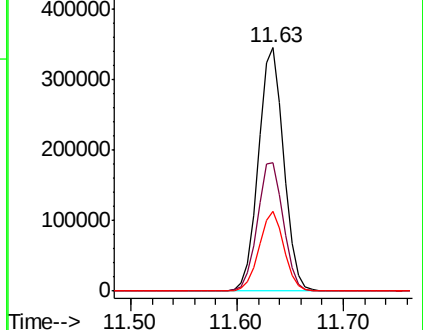
119 32.5 26.2 39.4

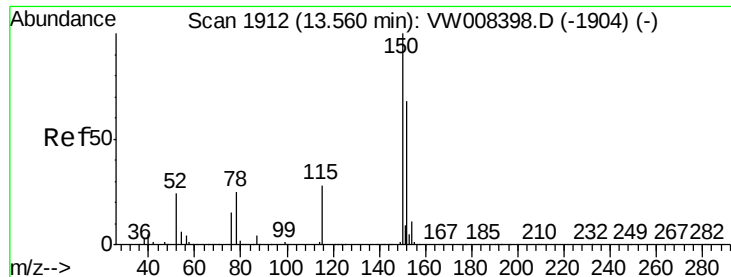


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008459.D

Acq: 30 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

SB-16(35.5-36)

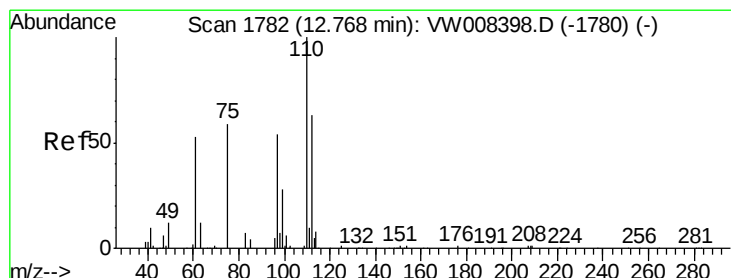
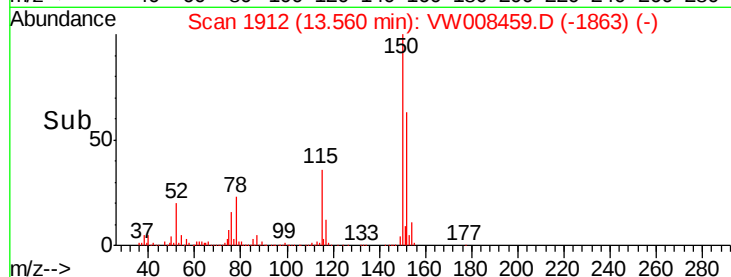
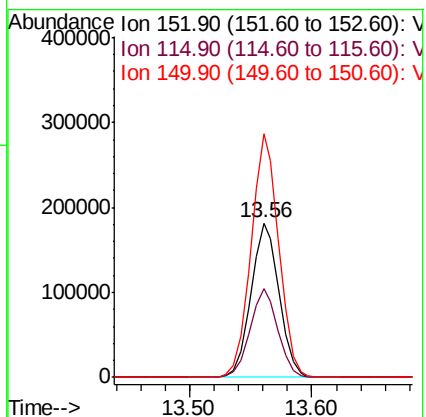
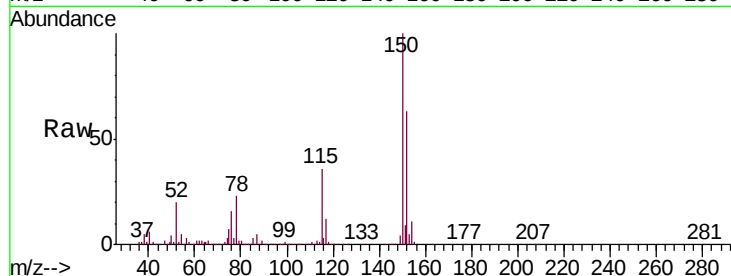
Tgt Ion:152 Resp: 289553

Ion Ratio Lower Upper

152 100

115 56.6 29.9 89.7

150 155.3 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 56.264 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008459.D

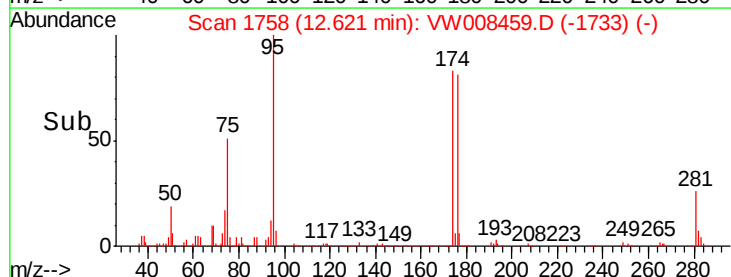
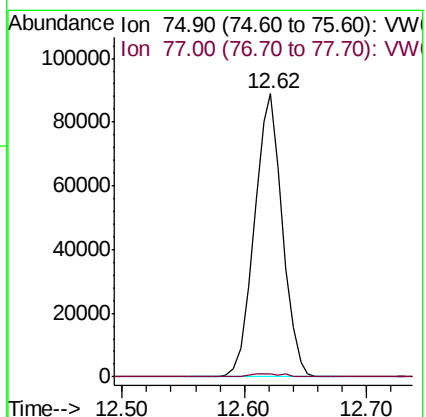
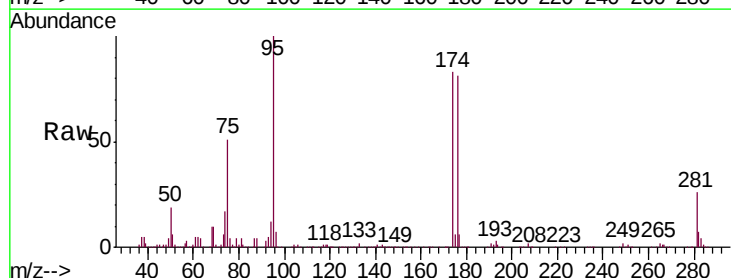
Acq: 30 Jan 2019 12:17

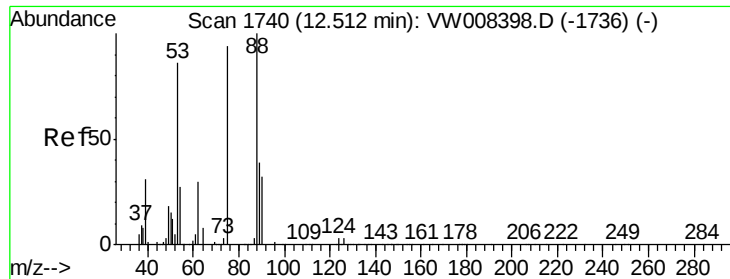
Tgt Ion: 75 Resp: 141643

Ion Ratio Lower Upper

75 100

77 1.6 180.7 542.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 111.126 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008459.D

Acq: 30 Jan 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

SB-16(35.5-36)

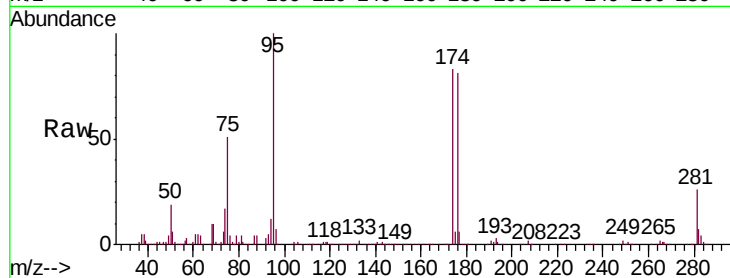
Tgt Ion: 75 Resp: 141643

Ion Ratio Lower Upper

75 100

53 0.2 76.0 114.0#

89 0.1 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

