

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008580.D
 Acq On : 08 Feb 2019 17:55
 Operator : SY/VA
 Sample : K1349-03
 Misc : 7.63G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-020719-B

Quant Time: Feb 09 00:28:17 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	29476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	46132	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	39124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	17093	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	17556	60.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.26%	
35) Dibromofluoromethane	7.88	113	14433	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
50) Toluene-d8	10.32	98	54668	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.62	95	19796	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.07	85	18	3.351	ug/l # 41
3) Chloromethane	2.22	50	727	3.022	ug/l # 78
4) Vinyl Chloride	2.37	62	310	1.012	ug/l # 78
7) Trichlorofluoromethane	3.28	101	27	4.817	ug/l # 22
8) Diethyl Ether	3.69	74	289	1.966	ug/l 92
11) Tert butyl alcohol	5.17	59	37	1.587	ug/l # 1
13) Acrolein	3.89	56	182	12.885	ug/l # 48
15) Acrylonitrile	5.42	53	134	2.111	ug/l # 79
16) Acetone	4.12	43	7235	111.260	ug/l 99
18) Methyl Acetate	4.65	43	198	1.142	ug/l # 54
20) Methylene Chloride	4.92	84	4396	14.667	ug/l # 83
21) trans-1,2-Dichloroethene	5.41	96	475	1.566	ug/l # 1
25) 2-Butanone	7.17	43	886	9.809	ug/l # 72
27) cis-1,2-Dichloroethene	7.19	96	391	1.183	ug/l 13
29) Tetrahydrofuran	7.56	42	140	2.446	ug/l # 36
31) Cyclohexane	7.95	56	623	1.096	ug/l # 50
38) Carbon Tetrachloride	7.95	117	3222	7.348	ug/l # 19
39) Methylcyclohexane	9.34	83	1595	2.786	ug/l # 78
41) Methacrylonitrile	7.49	41	326	2.856	ug/l # 13
49) 1,4-Dioxane	9.41	88	29	11.064	ug/l # 1
52) Toluene	10.38	92	5792	7.256	ug/l 92
55) 1,1,2-Trichloroethane	10.76	97	514	2.390	ug/l # 15
67) Ethyl Benzene	11.73	91	2718	1.851	ug/l 95
68) m/p-Xylenes	11.83	106	3822	6.710	ug/l 94
69) o-Xylene	12.16	106	1536	2.838	ug/l 84
73) Isopropylbenzene	12.47	105	1567	1.230	ug/l 92
76) 1,2,3-Trichloropropane	12.62	75	10065	67.727	ug/l # 1
78) n-propylbenzene	12.80	91	3238	2.116	ug/l 94
79) 2-Chlorotoluene	12.86	91	1187	1.374	ug/l # 42
80) 1,3,5-Trimethylbenzene	12.94	105	2017	1.894	ug/l 83
81) trans-1,4-Dichloro-2-buten	12.62	75	10065	133.766	ug/l # 14
84) 1,2,4-Trimethylbenzene	13.25	105	8983	8.298	ug/l 99
85) sec-Butylbenzene	13.38	105	1559	1.152	ug/l # 70
89) n-Butylbenzene	13.83	91	1174	1.008	ug/l # 50

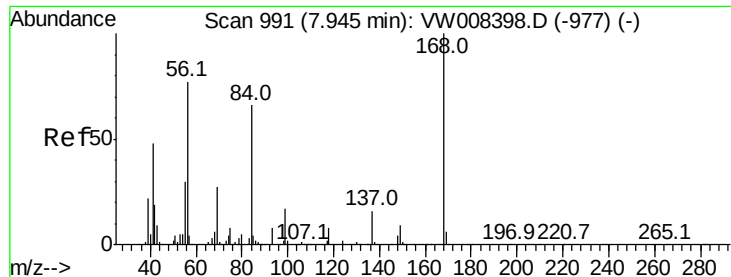
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
Data File : VW008580.D
Acq On : 08 Feb 2019 17:55
Operator : SY/VA
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Quant Time: Feb 09 00:28:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	14.11	117	758	3.269	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.48	75	101	2.638	ug/l #	29
95) Naphthalene	15.37	128	16966	27.227	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

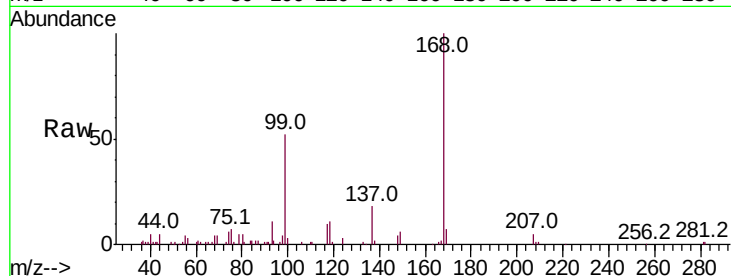
OR-03-020719-B

Tot Ion:168 Resp: 29476

Ion Ratio Lower Upper

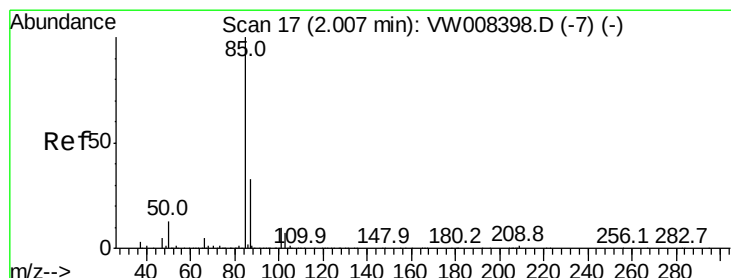
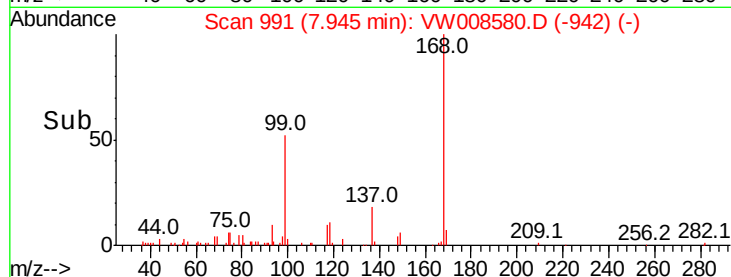
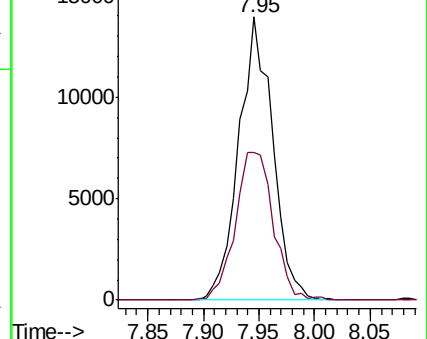
168 100

99 52.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 3.351 ug/l

RT: 2.07 min Scan# 27

Delta R.T. 0.06 min

Lab File: VW008580.D

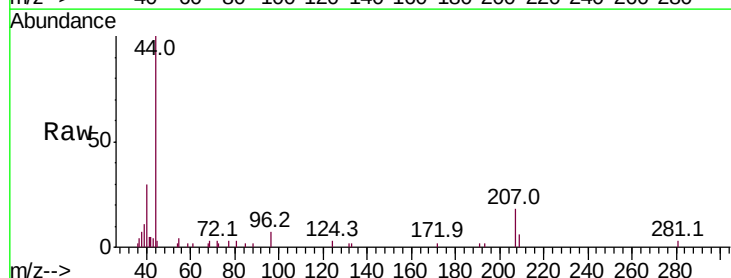
Acq: 08 Feb 2019 17:55

Tgt Ion: 85 Resp: 18

Ion Ratio Lower Upper

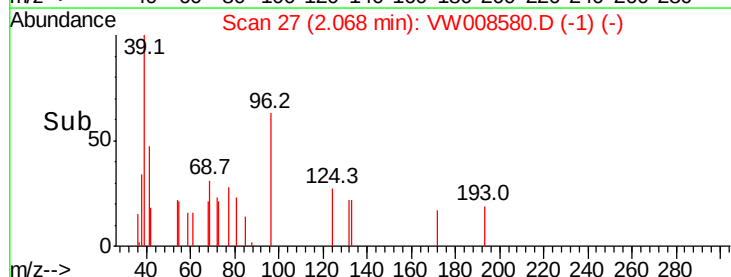
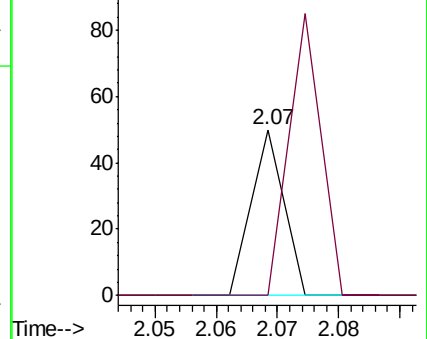
85 100

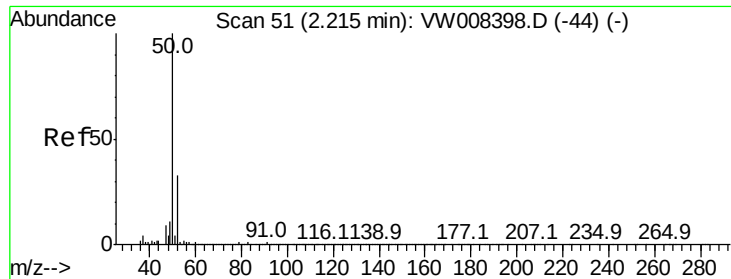
87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 3.022 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

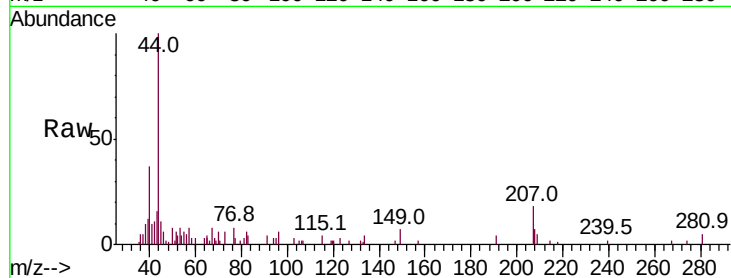
OR-03-020719-B

Tot Ion: 50 Resp: 727

Ion Ratio Lower Upper

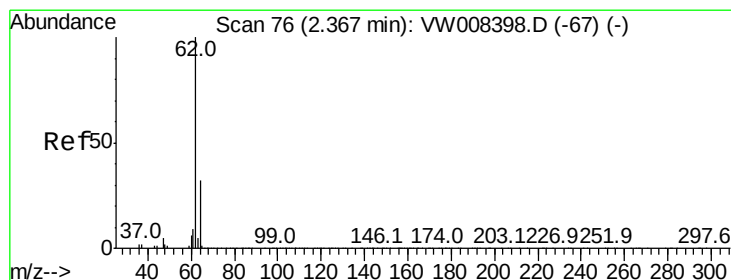
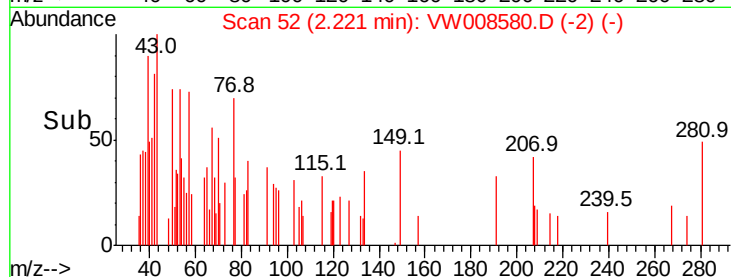
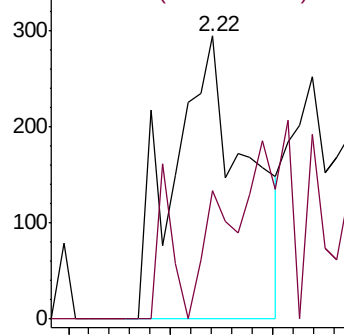
50 100

52 45.6 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 1.012 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW008580.D

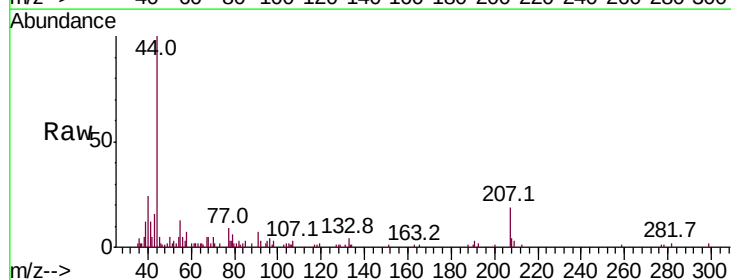
Acq: 08 Feb 2019 17:55

Tgt Ion: 62 Resp: 310

Ion Ratio Lower Upper

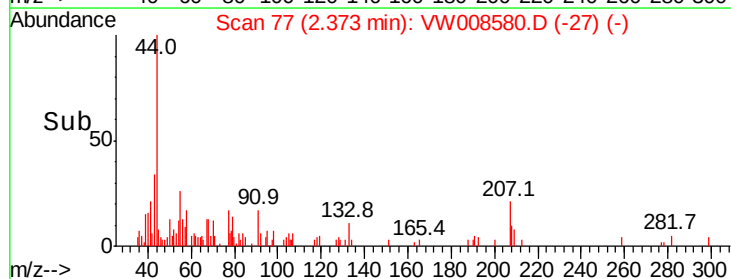
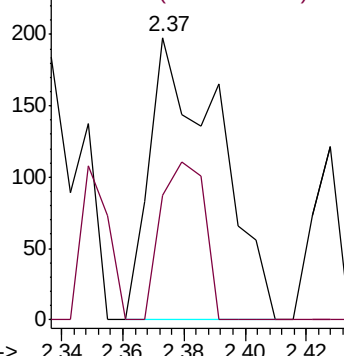
62 100

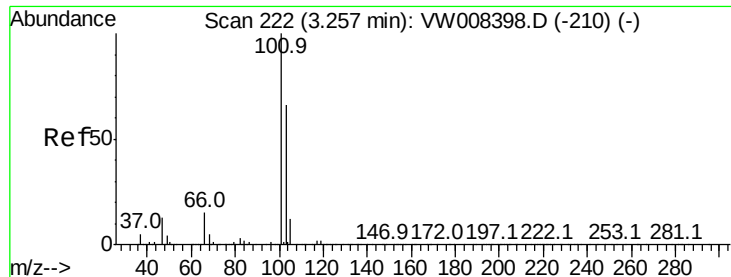
64 43.9 25.5 38.3#



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW



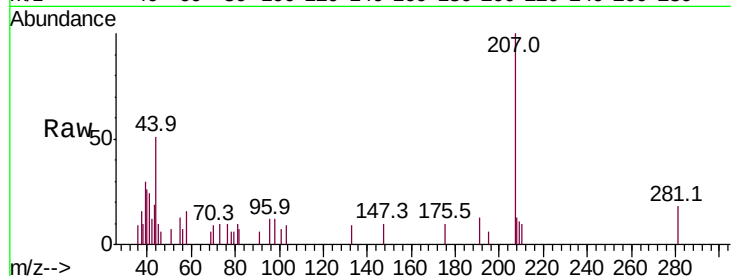


#7

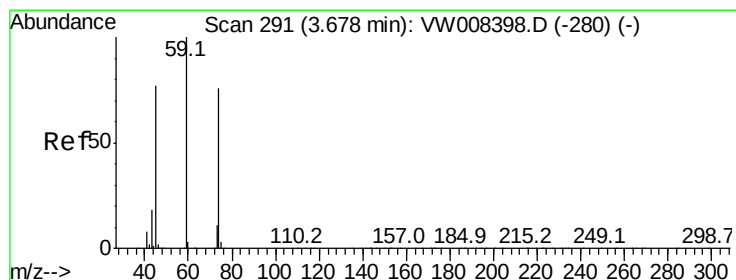
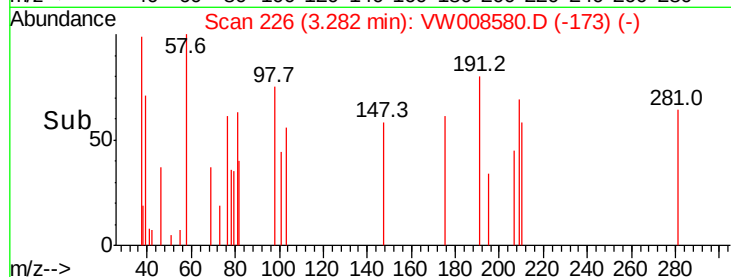
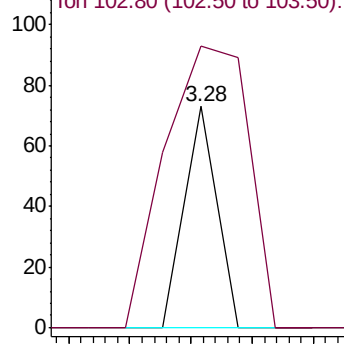
Trichlorofluoromethane
 Concen: 4.817 ug/l
 RT: 3.28 min Scan# 226
 Delta R.T. 0.02 min
 Lab File: VW008580.D
 Acq: 08 Feb 2019 17:55

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-020719-B

Tot Ion:101 Resp: 27
 Ion Ratio Lower Upper
 101 100
 103 127.4 52.5 78.7#



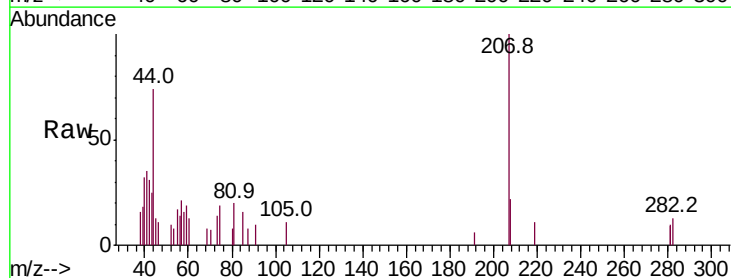
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



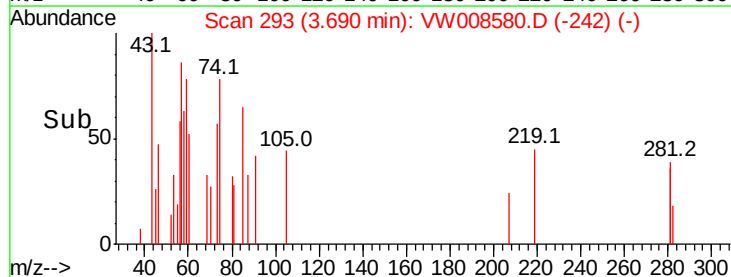
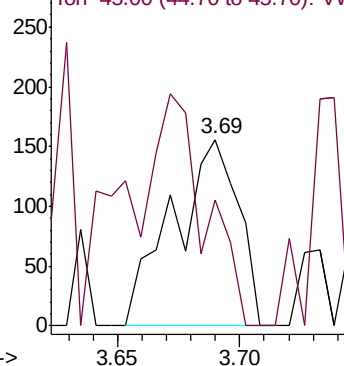
#8

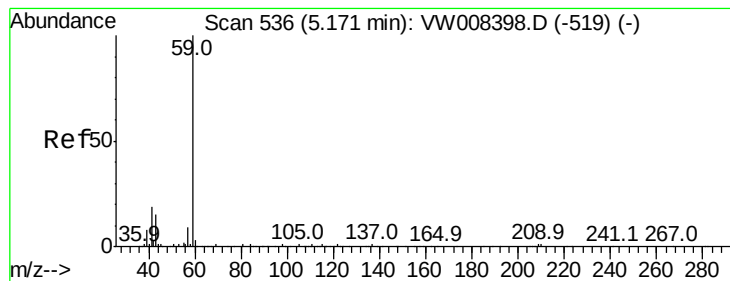
Diethyl Ether
 Concen: 1.966 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW008580.D
 Acq: 08 Feb 2019 17:55

Tgt Ion: 74 Resp: 289
 Ion Ratio Lower Upper
 74 100
 45 95.2 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW



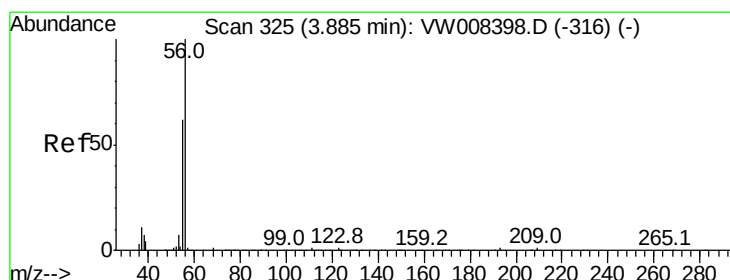
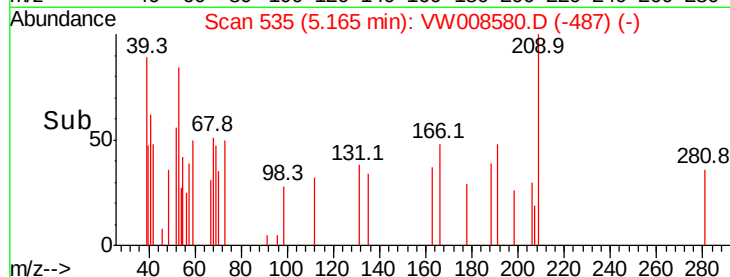
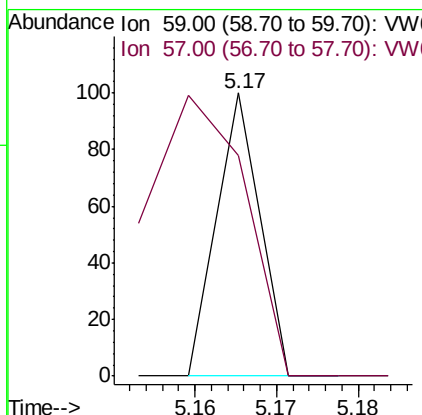
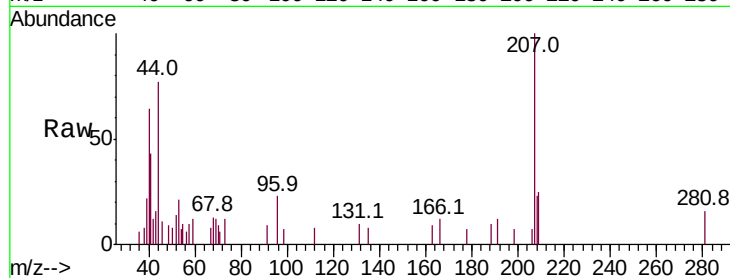


#11

Tert butyl alcohol
Concen: 1.587 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008580.D
Acq: 08 Feb 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
OR-03-020719-B

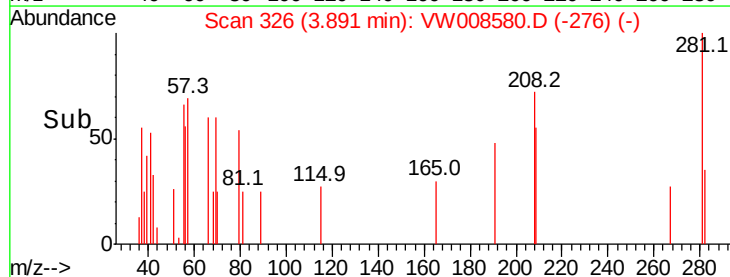
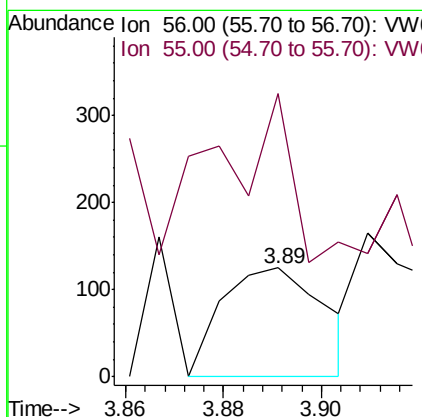
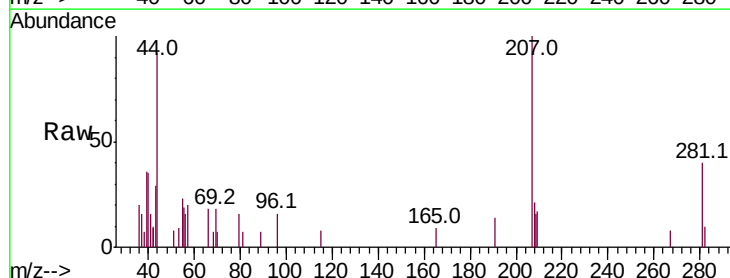
Tot Ion: 59 Resp: 37
Ion Ratio Lower Upper
59 100
57 291.9 9.3 13.9#

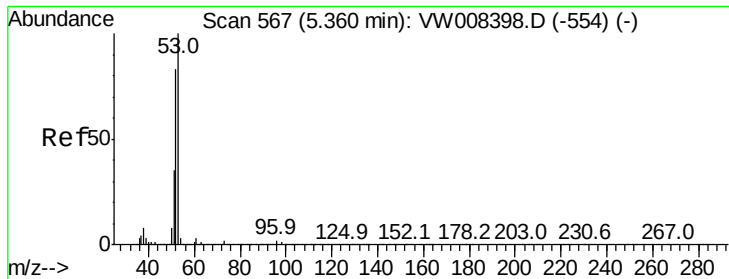


#13

Acrolein
Concen: 12.885 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW008580.D
Acq: 08 Feb 2019 17:55

Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 113.7 56.7 85.1#





#15

Acrylonitrile

Concen: 2.111 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.05 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-B

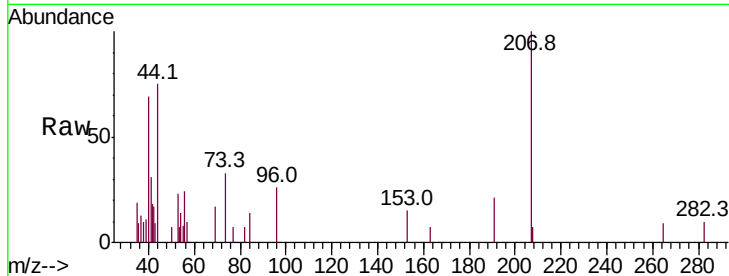
Tot Ion: 53 Resp: 134

Ion Ratio Lower Upper

53 100

52 70.9 67.0 100.4

51 14.9 29.8 44.8#



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW

250

200

150

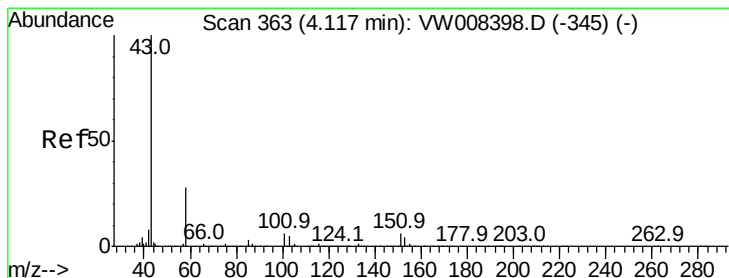
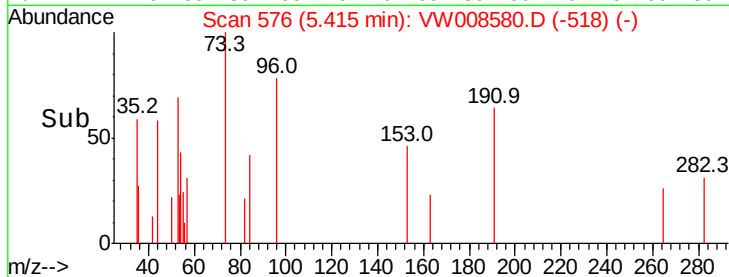
100

50

0

5.38 5.40 5.42 5.44

Time-->



#16

Acetone

Concen: 111.260 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008580.D

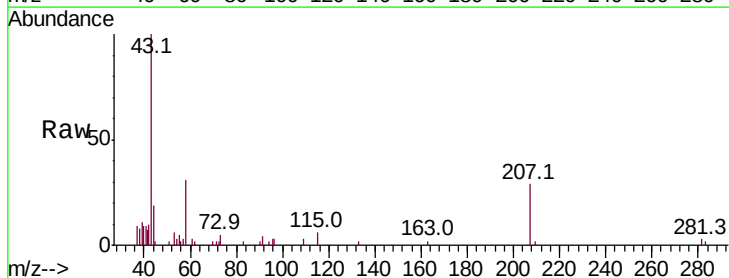
Acq: 08 Feb 2019 17:55

Tgt Ion: 43 Resp: 7235

Ion Ratio Lower Upper

43 100

58 28.7 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

3000

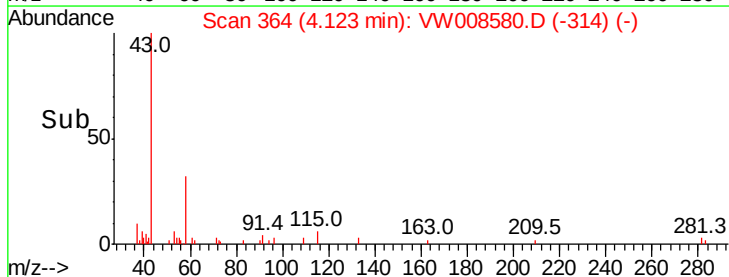
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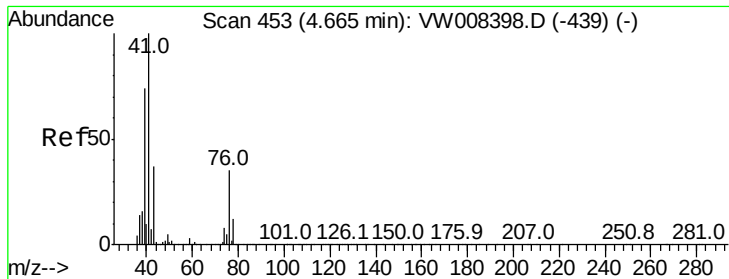
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0

4.00 4.05 4.10 4.15 4.20

Time-->

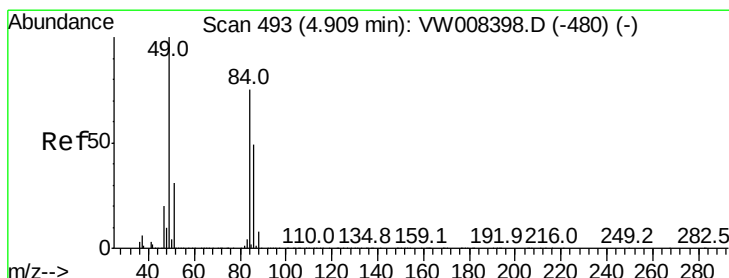
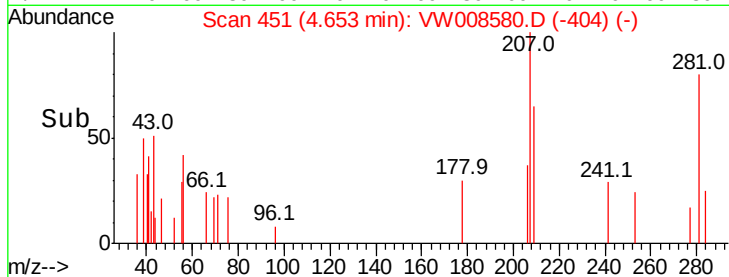
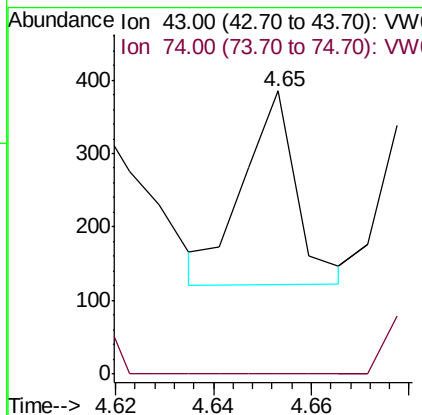
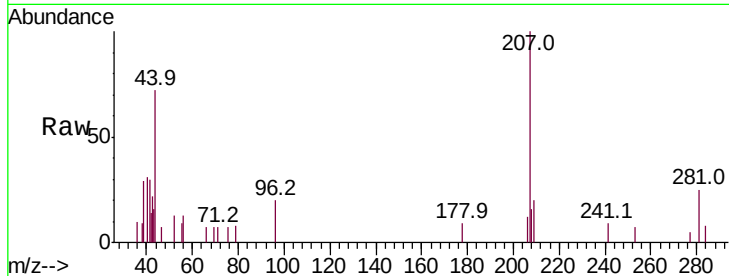




#18
Methvl Acetate
Concen: 1.142 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW008580.D
Acq: 08 Feb 2019 17:55

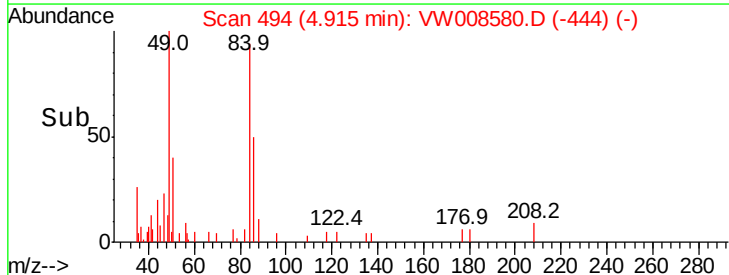
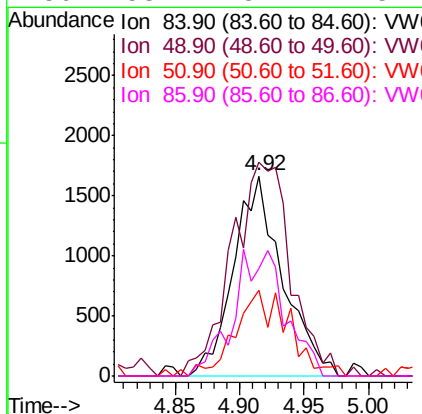
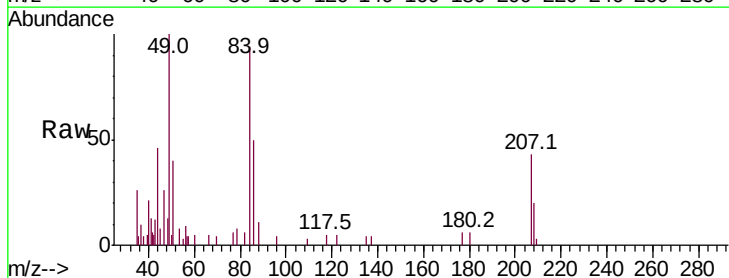
Instrument :
MSVOA_W
ClientSampleId :
OR-03-020719-B

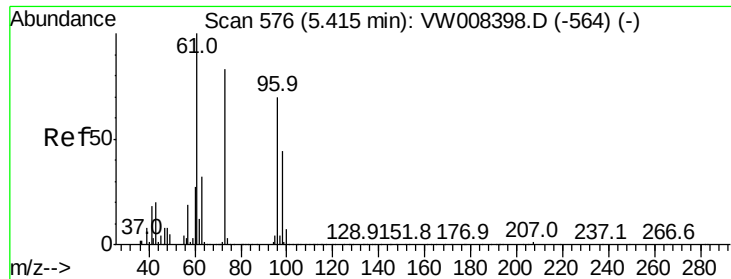
Tot Ion: 43 Resp: 198
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 14.667 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008580.D
Acq: 08 Feb 2019 17:55

Tgt Ion: 84 Resp: 4396
Ion Ratio Lower Upper
84 100
49 106.8 106.8 160.2#
51 42.9 32.9 49.3
86 53.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 1.566 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

Instrument :

MSVOA_W

ClientSampled :

OR-03-020719-B

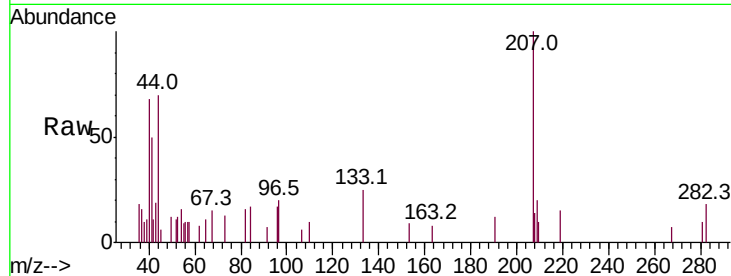
Tot Ion: 96 Resp: 475

Ion Ratio Lower Upper

96 100

61 0.0 114.4 171.6#

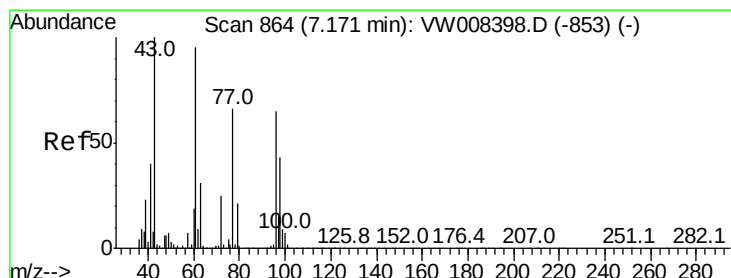
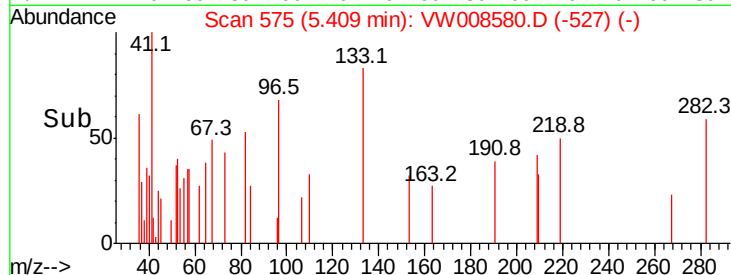
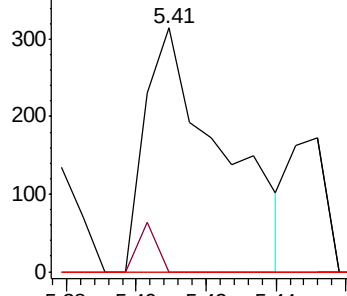
98 0.0 50.6 75.8#



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#25

2-Butanone

Concen: 9.809 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008580.D

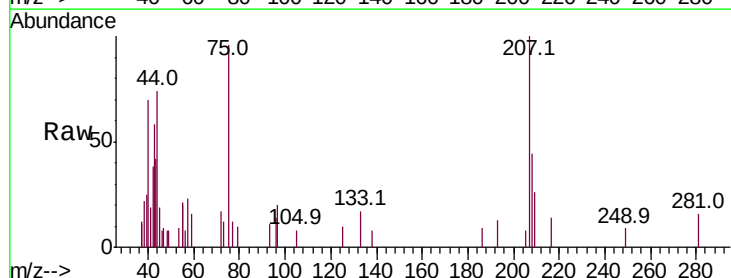
Acq: 08 Feb 2019 17:55

Tgt Ion: 43 Resp: 886

Ion Ratio Lower Upper

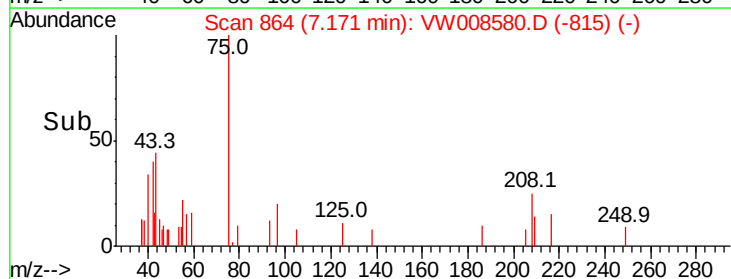
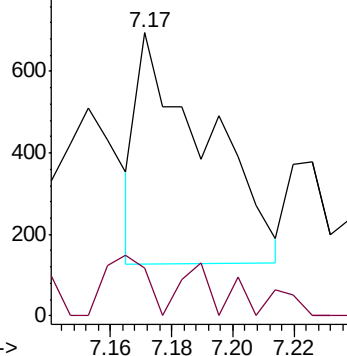
43 100

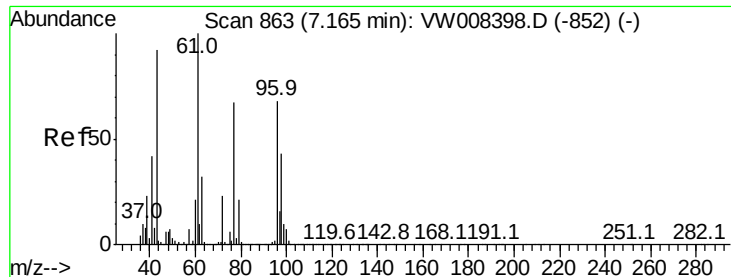
72 10.9 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#27

cis-1,2-Dichloroethene

Concen: 1.183 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-B

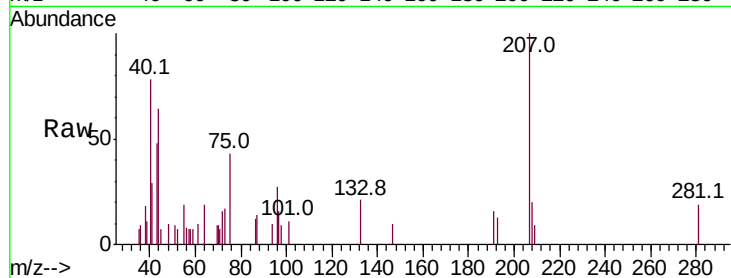
Tot Ion: 96 Resp: 391

Ion Ratio Lower Upper

96 100

61 26.3 0.0 292.8

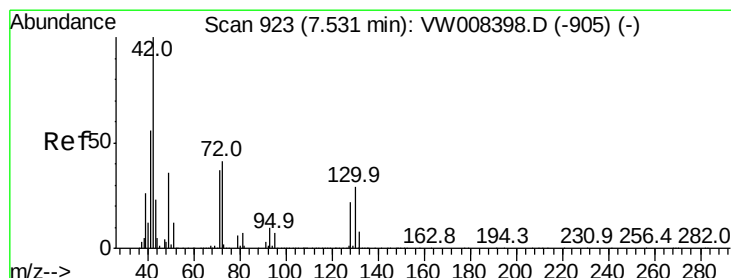
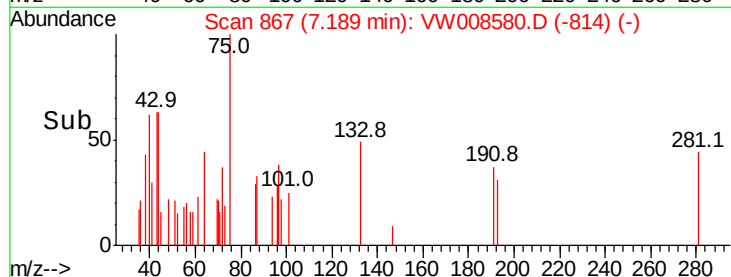
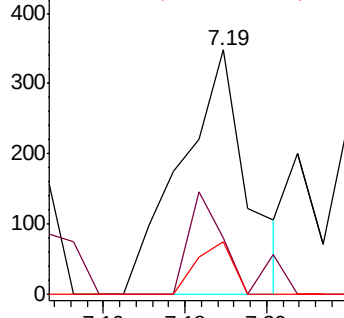
98 12.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#29

Tetrahydrofuran

Concen: 2.446 ug/l

RT: 7.56 min Scan# 928

Delta R.T. 0.03 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

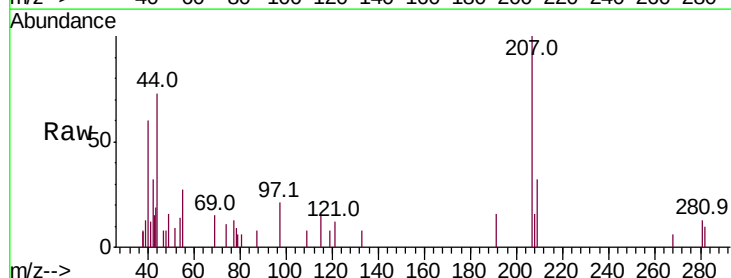
Tgt Ion: 42 Resp: 140

Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

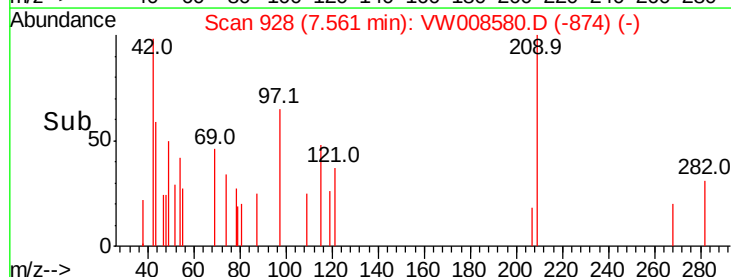
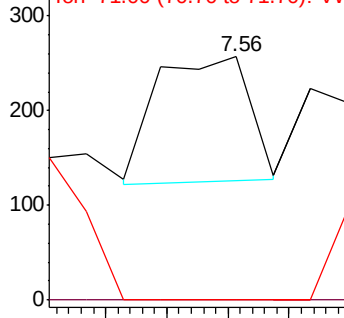
71 0.0 29.9 44.9#

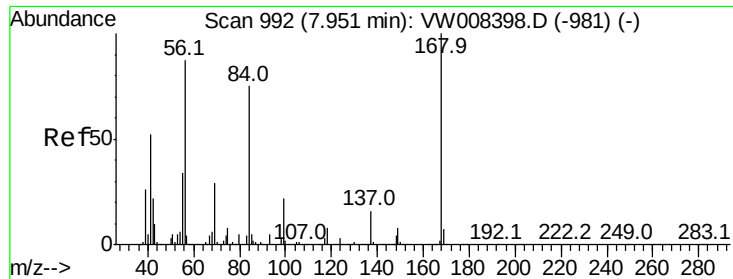


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

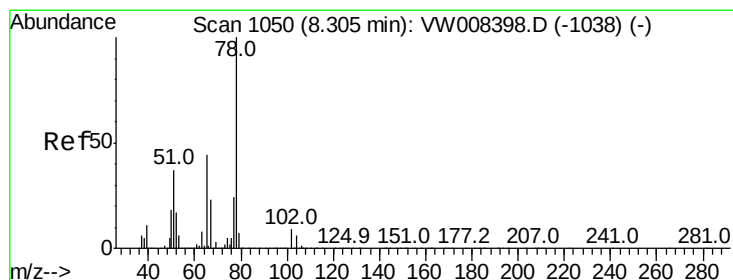
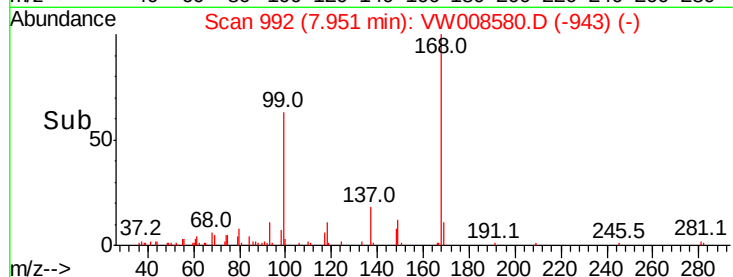
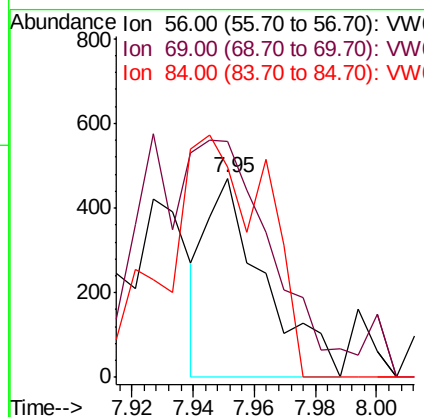
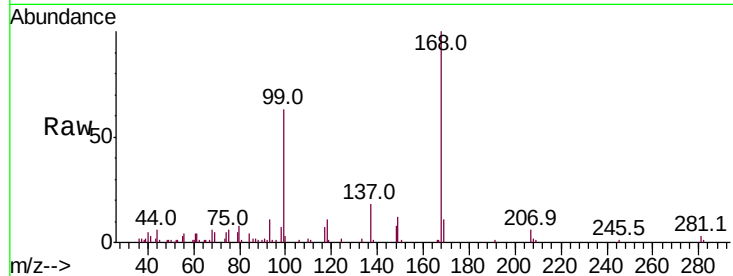




#31
Cyclohexane
Concen: 1.096 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008580.D
Acq: 08 Feb 2019 17:55

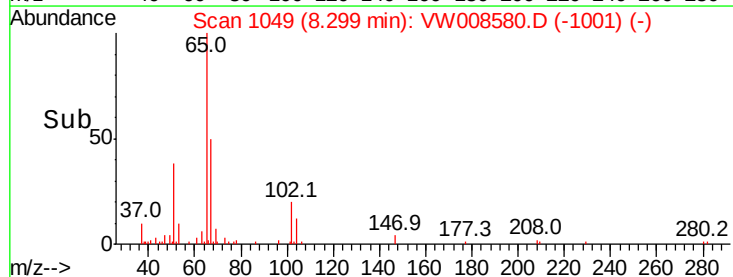
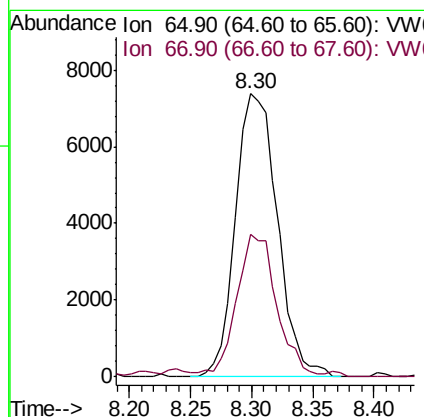
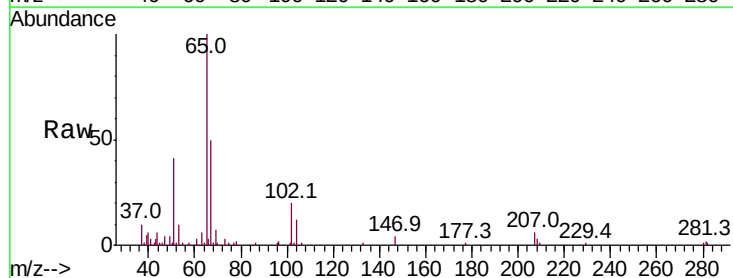
Instrument :
MSVOA_W
ClientSampleId :
OR-03-020719-B

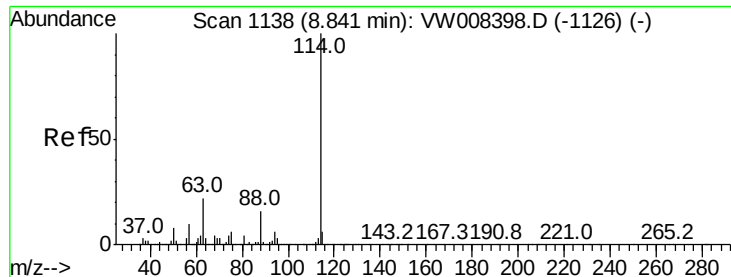
Tot Ion: 56 Resp: 623
Ion Ratio Lower Upper
56 100
69 103.6 26.4 39.6#
84 105.7 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 60.627 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008580.D
Acq: 08 Feb 2019 17:55

Tgt Ion: 65 Resp: 17556
Ion Ratio Lower Upper
65 100
67 46.3 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: VW008580.D

Acq: 08 Feb 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-B

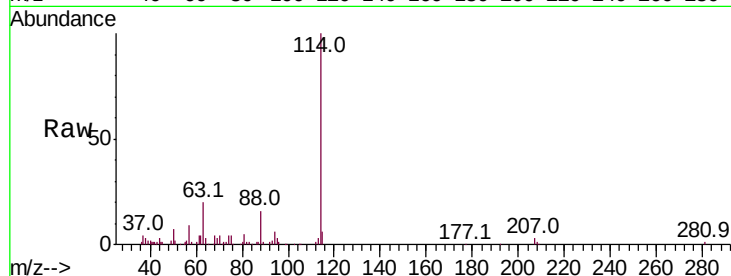
Tot Ion:114 Resp: 46132

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.6

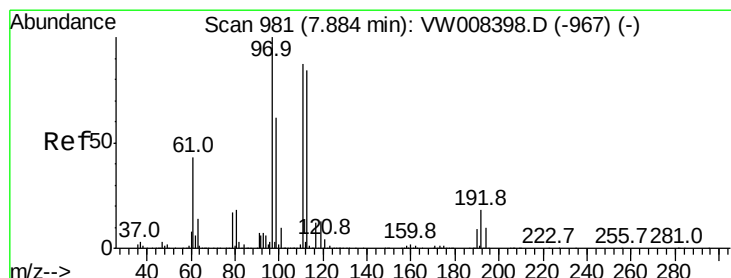
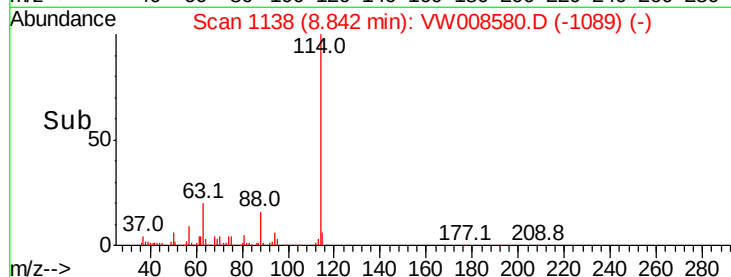
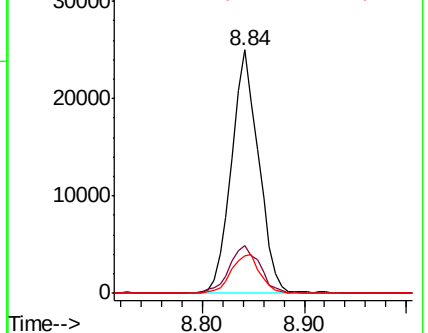
88 15.5 0.0 31.8



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: 53.505 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

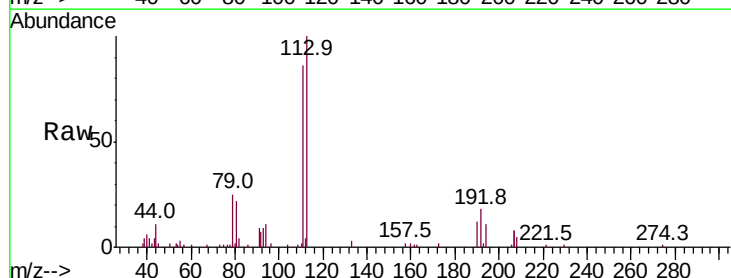
Tgt Ion:113 Resp: 14433

Ion Ratio Lower Upper

113 100

111 107.3 81.0 121.4

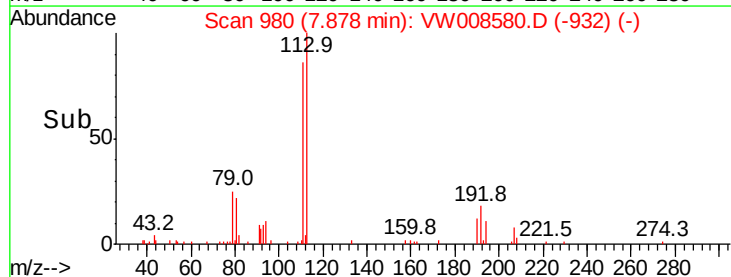
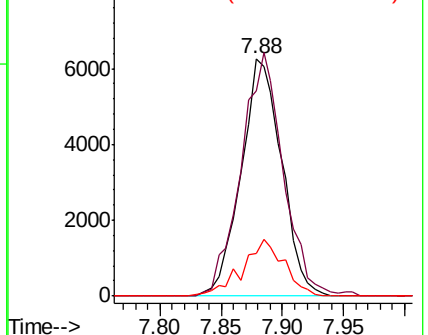
192 24.6 16.8 25.2

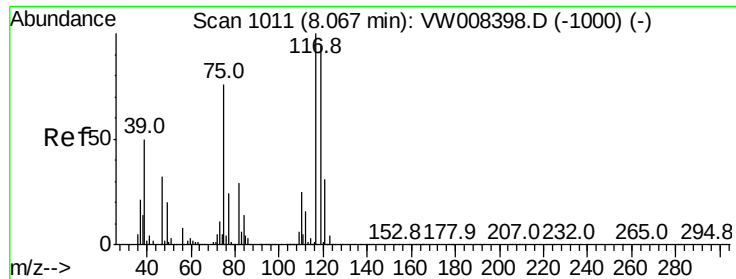


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 7.348 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-B

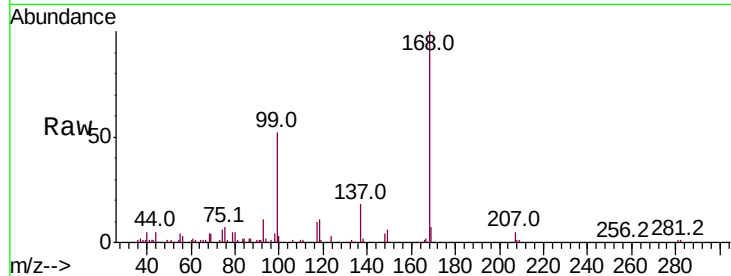
Tot Ion:117 Resp: 3222

Ion Ratio Lower Upper

117 100

119 7.8 75.0 112.4#

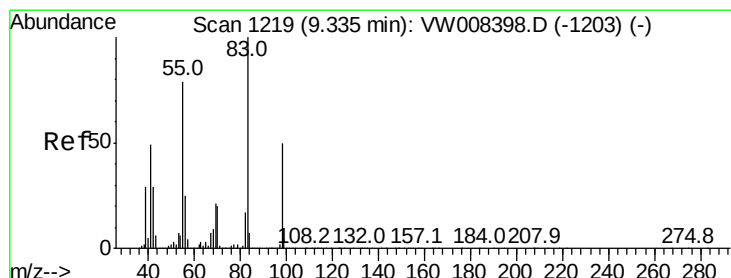
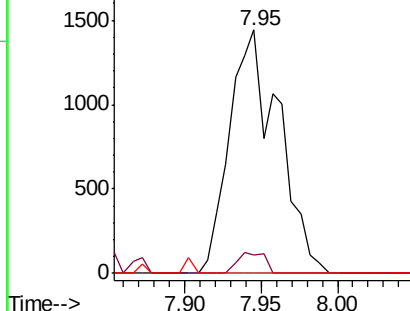
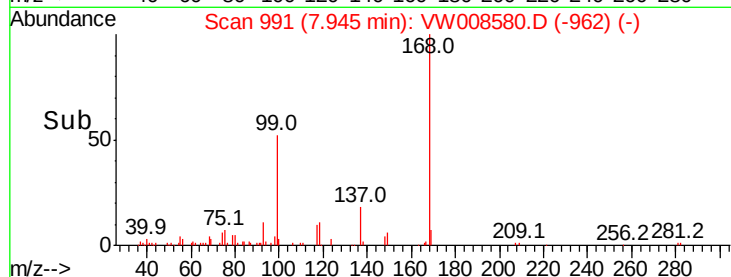
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 2.786 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

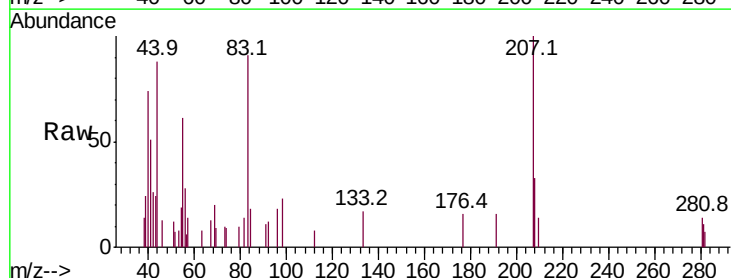
Tgt Ion: 83 Resp: 1595

Ion Ratio Lower Upper

83 100

55 67.0 63.3 94.9

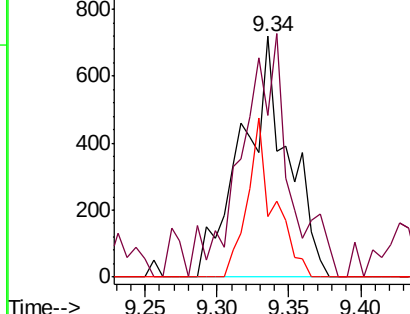
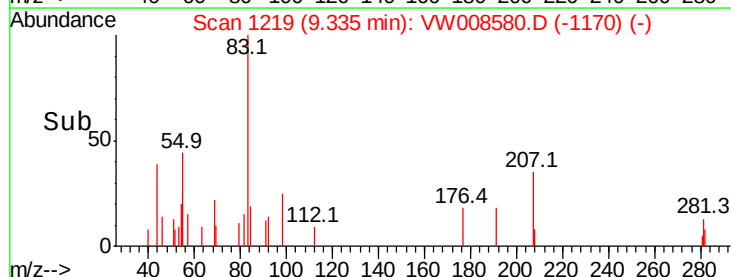
98 24.9 39.7 59.5#

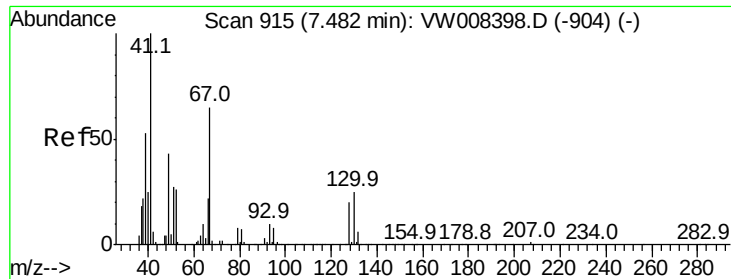


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

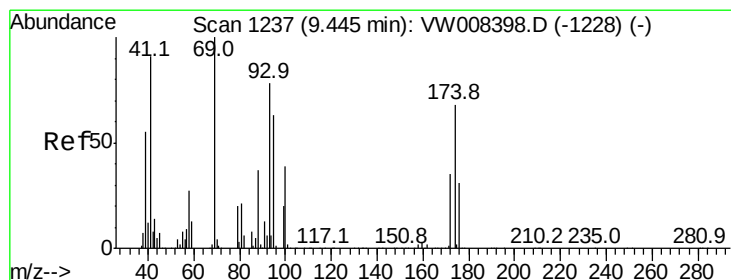
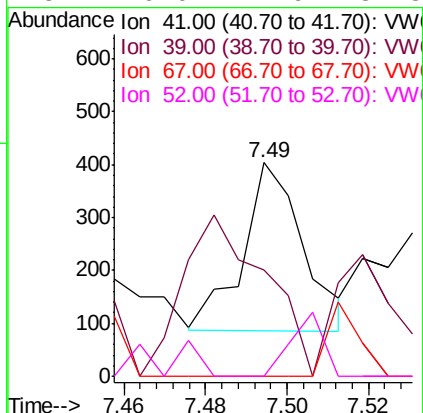
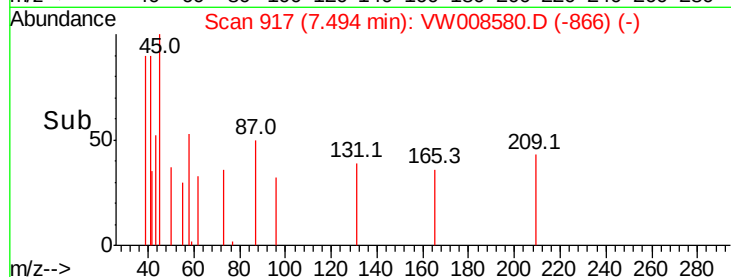
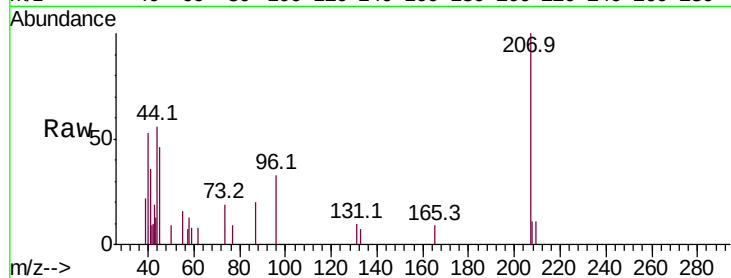




#41
Methacrylonitrile
Concen: 2.856 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW008580.D
Acq: 08 Feb 2019 17:55

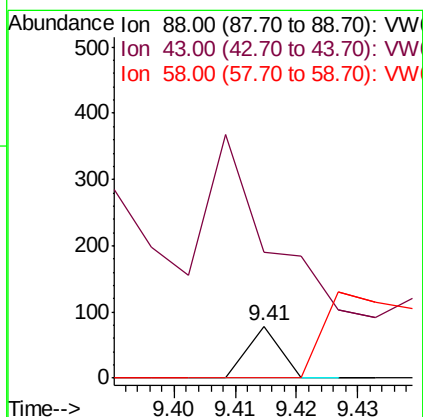
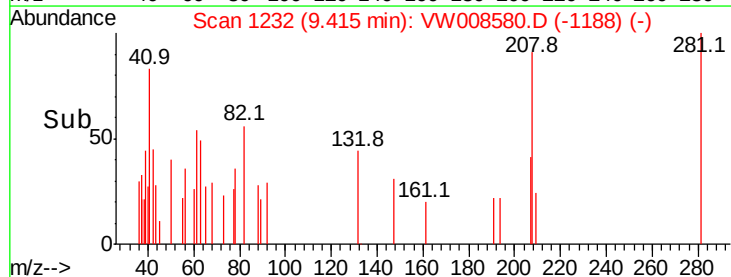
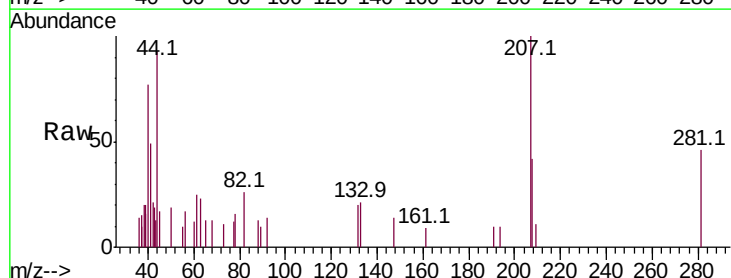
Instrument :
MSVOA_W
ClientSampleId :
OR-03-020719-B

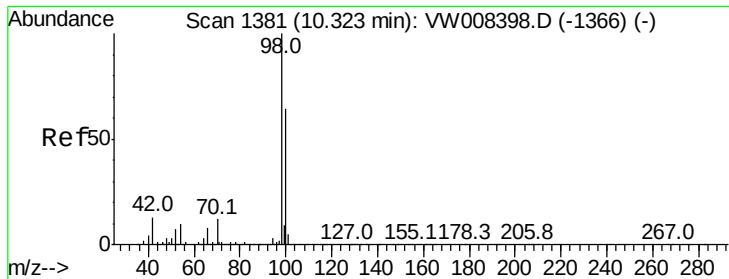
Tot Ion: 41 Resp: 326
Ion Ratio Lower Upper
41 100
39 131.6 43.4 65.0#
67 0.0 54.2 81.2#
52 0.0 22.9 34.3#



#49
1,4-Dioxane
Concen: 11.064 ug/l
RT: 9.41 min Scan# 1232
Delta R.T. -0.03 min
Lab File: VW008580.D
Acq: 08 Feb 2019 17:55

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 1079.3 29.0 43.4#
58 444.8 56.4 84.6#





#50

Toluene-d8

Concen: 50.539 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

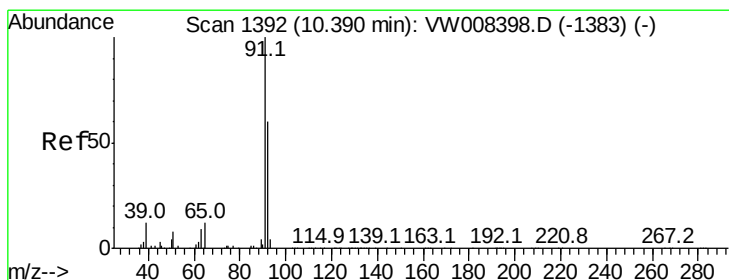
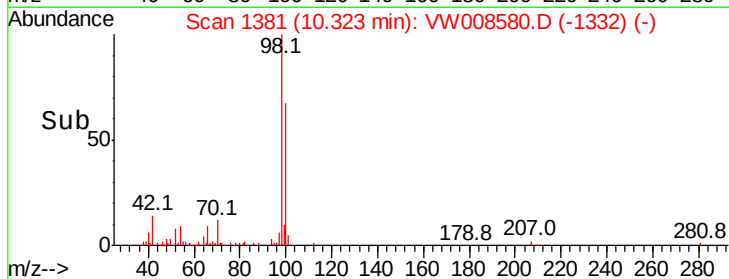
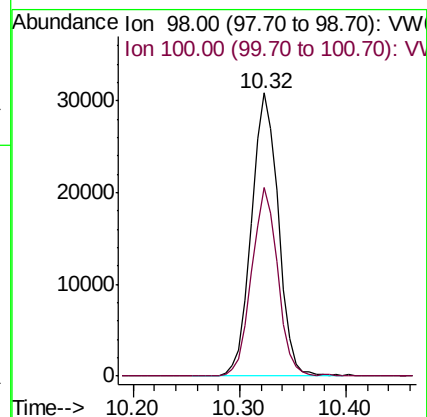
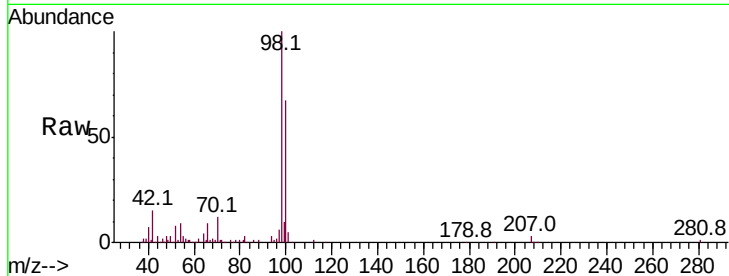
OR-03-020719-B

Tot Ion: 98 Resp: 54668

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8



#52

Toluene

Concen: 7.256 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008580.D

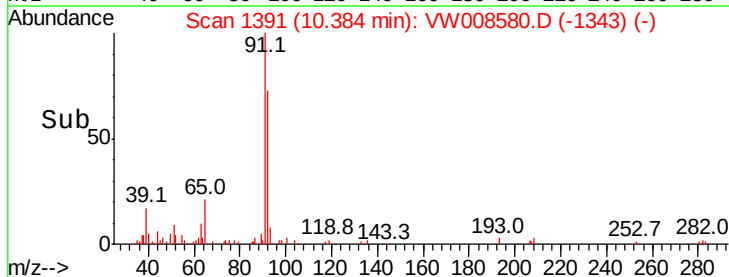
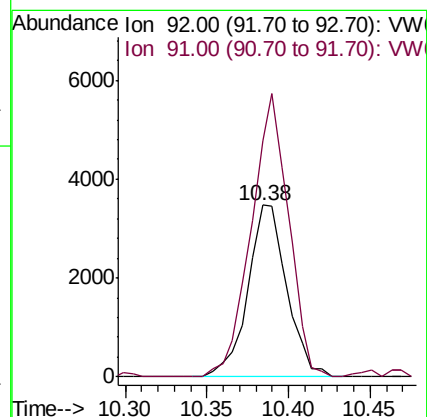
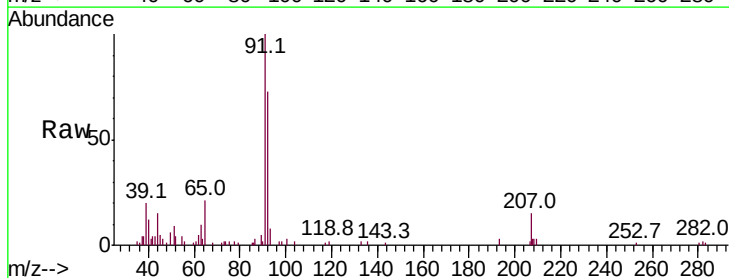
Acq: 08 Feb 2019 17:55

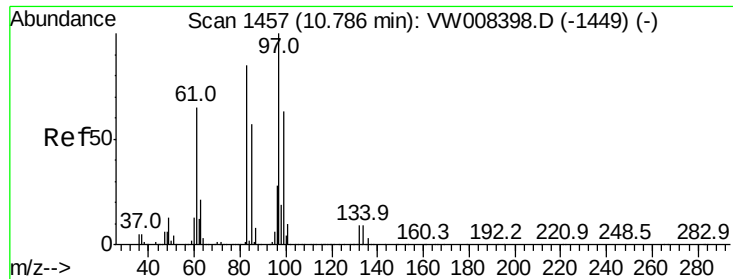
Tgt Ion: 92 Resp: 5792

Ion Ratio Lower Upper

92 100

91 157.9 135.5 203.3

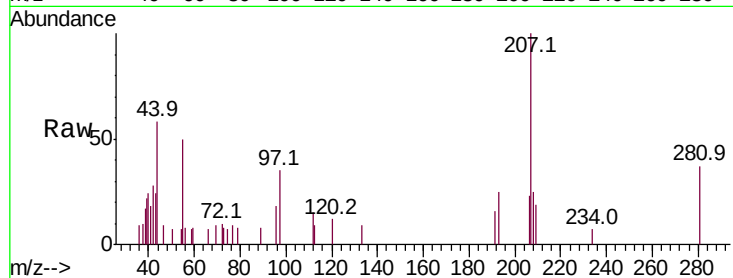




#55
 1,1,2-Trichloroethane
 Concen: 2.390 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW008580.D
 Acq: 08 Feb 2019 17:55

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-020719-B

Tot Ion:	97	Resp:	514
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.4	102.6#
85	0.0	45.3	67.9#
99	0.0	50.6	76.0#



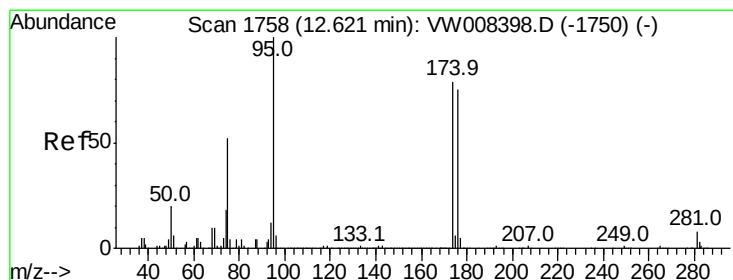
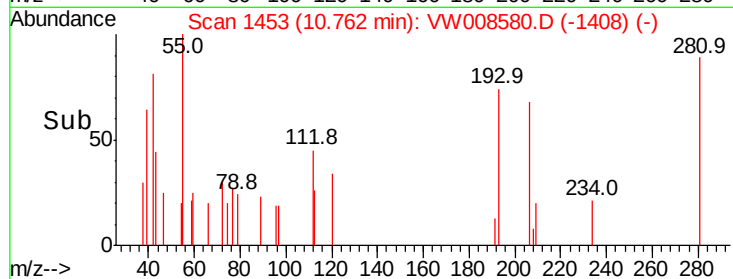
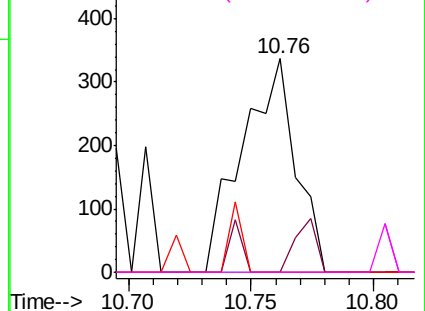
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

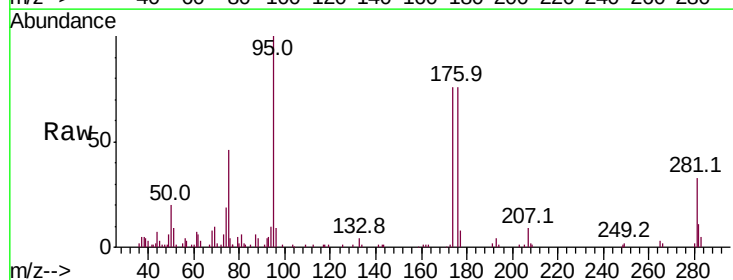
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#62
 4-Bromofluorobenzene
 Concen: 47.611 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008580.D
 Acq: 08 Feb 2019 17:55

Tgt Ion:	95	Resp:	19796
Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	157.6
176	74.7	0.0	151.8

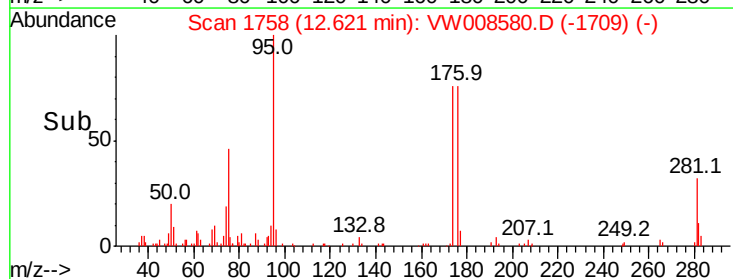
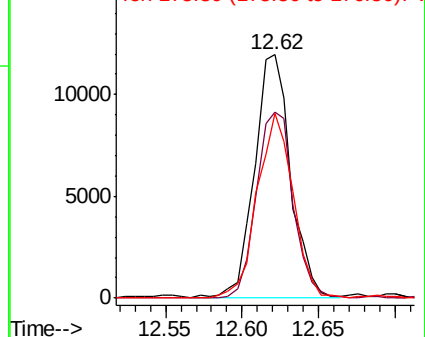


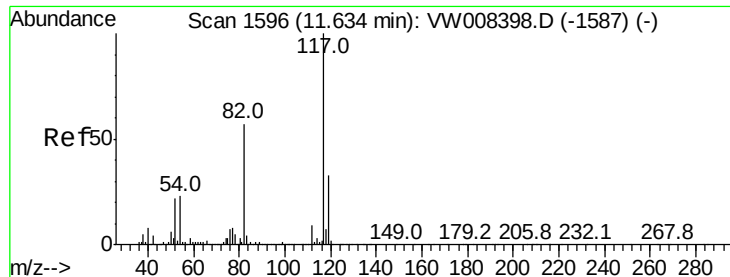
Abundance

Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

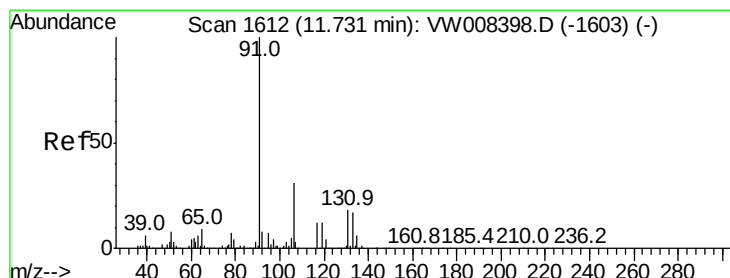
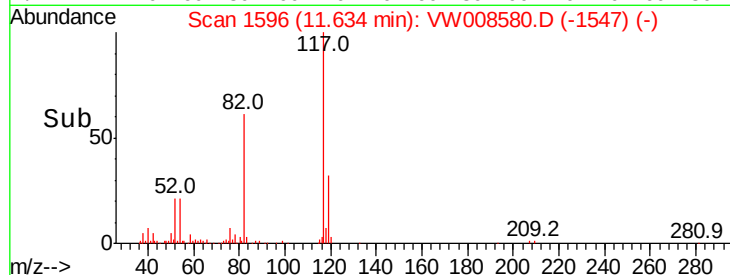
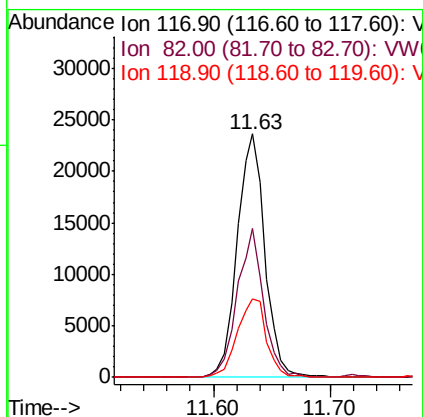
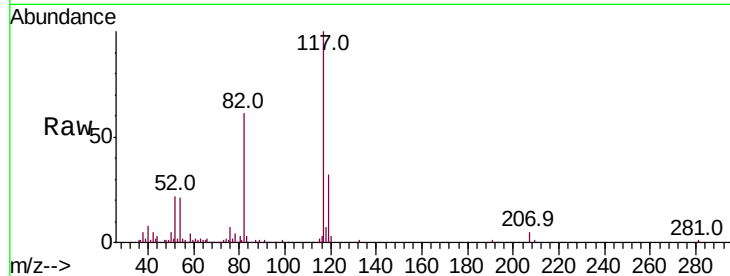




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008580.D
Acq: 08 Feb 2019 17:55

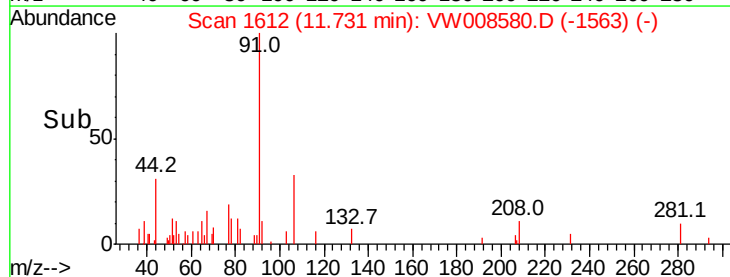
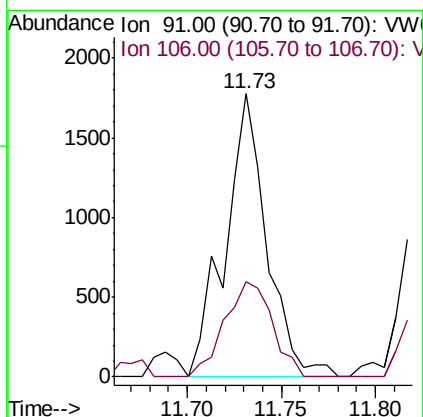
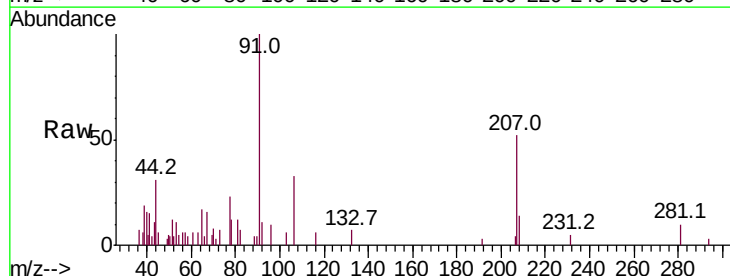
Instrument :
MSVOA_W
ClientSampleId :
OR-03-020719-B

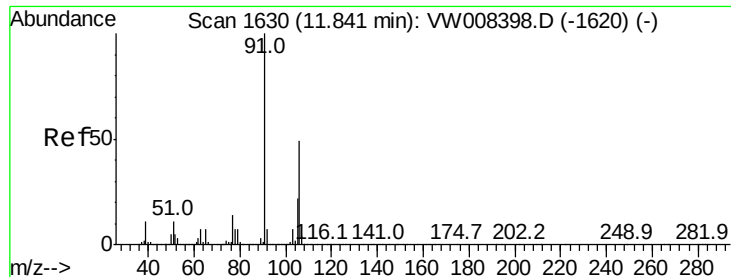
Tot Ion:117 Resp: 39124
Ion Ratio Lower Upper
117 100
82 61.1 45.4 68.0
119 32.3 26.2 39.4



#67
Ethyl Benzene
Concen: 1.851 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008580.D
Acq: 08 Feb 2019 17:55

Tgt Ion: 91 Resp: 2718
Ion Ratio Lower Upper
91 100
106 33.4 24.7 37.1

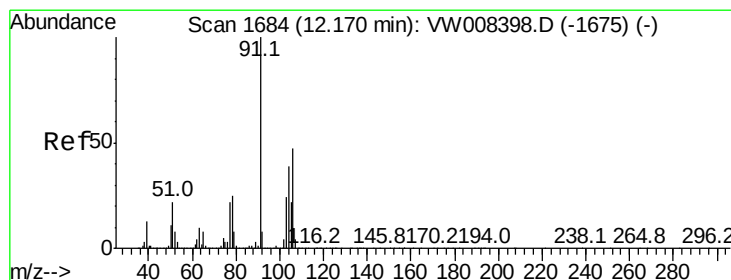
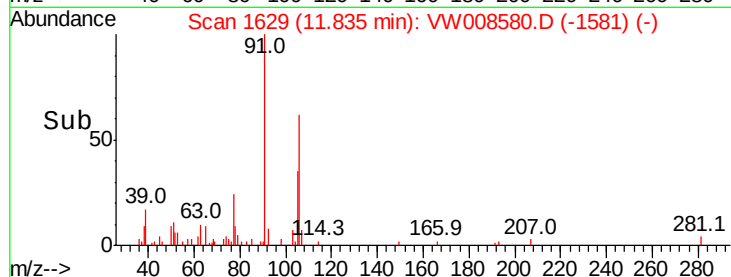
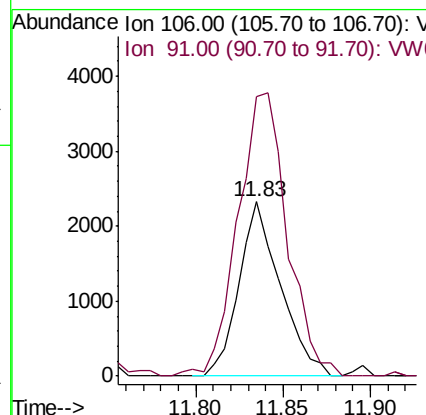
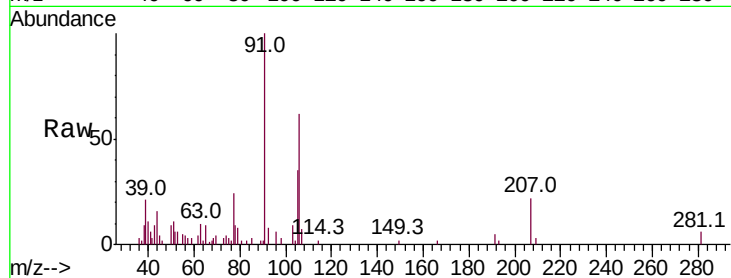




#68
m/p-Xylenes
Concen: 6.710 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008580.D
Acq: 08 Feb 2019 17:55

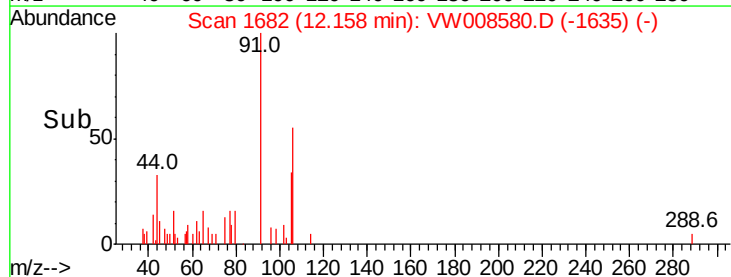
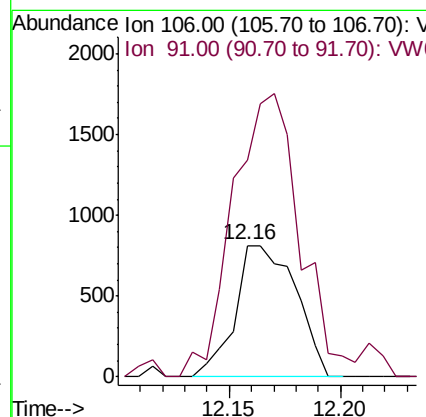
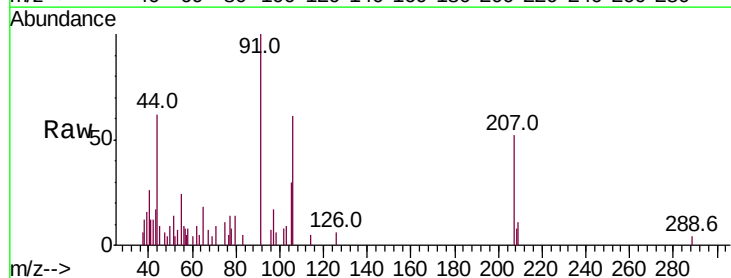
Instrument :
MSVOA_W
ClientSampleId :
OR-03-020719-B

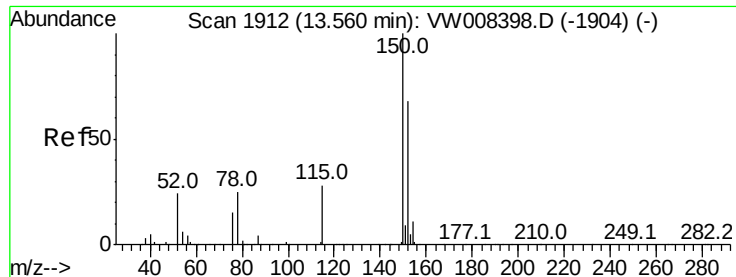
Tot Ion:106 Resp: 3822
Ion Ratio Lower Upper
106 100
91 193.7 162.9 244.3



#69
o-Xylene
Concen: 2.838 ug/l
RT: 12.16 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW008580.D
Acq: 08 Feb 2019 17:55

Tgt Ion:106 Resp: 1536
Ion Ratio Lower Upper
106 100
91 239.6 107.5 322.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-B

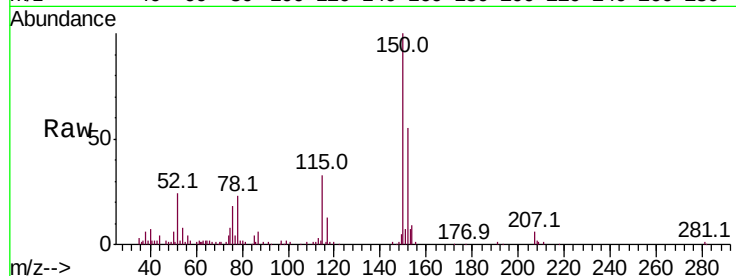
Tot Ion:152 Resp: 17093

Ion Ratio Lower Upper

152 100

115 58.3 29.9 89.7

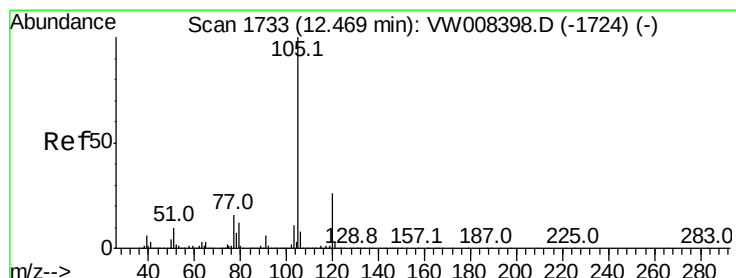
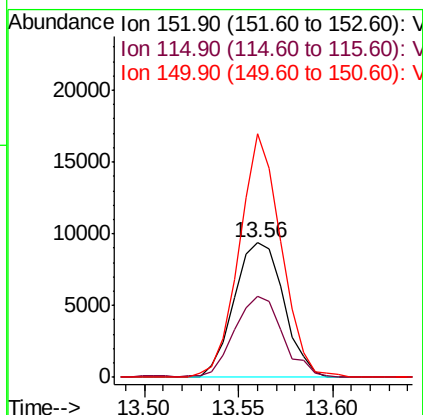
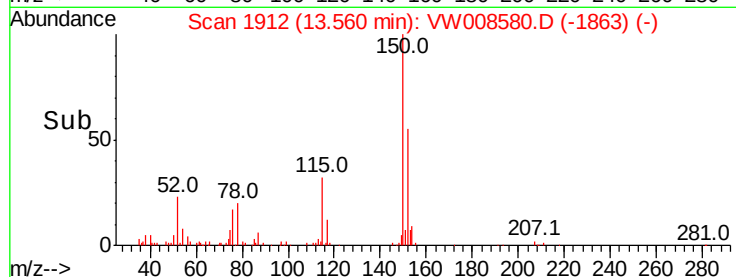
150 152.8 0.0 351.4



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



#73

Isopropylbenzene

Concen: 1.230 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008580.D

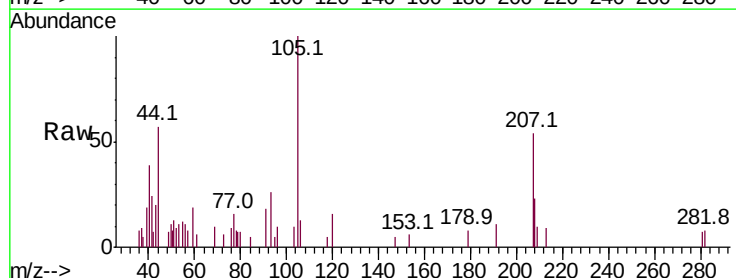
Acq: 08 Feb 2019 17:55

Tgt Ion:105 Resp: 1567

Ion Ratio Lower Upper

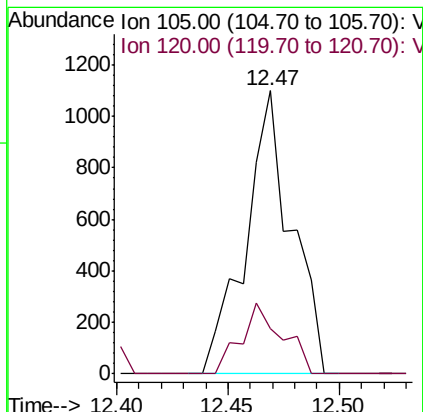
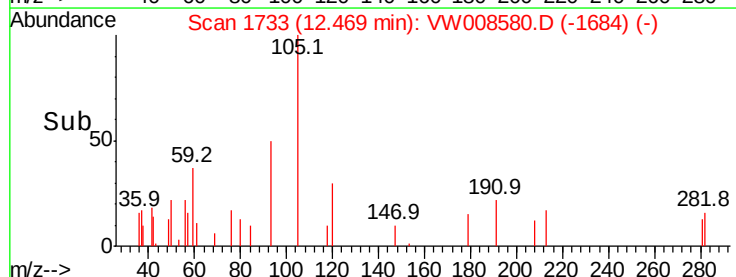
105 100

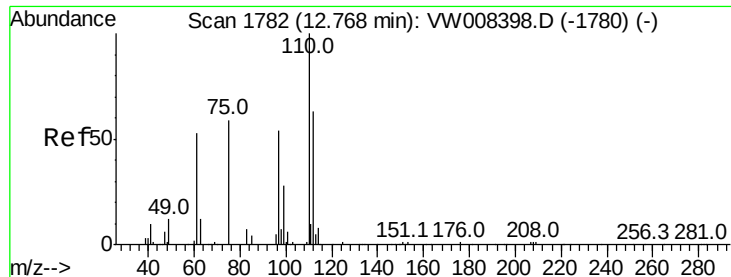
120 22.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 67.727 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

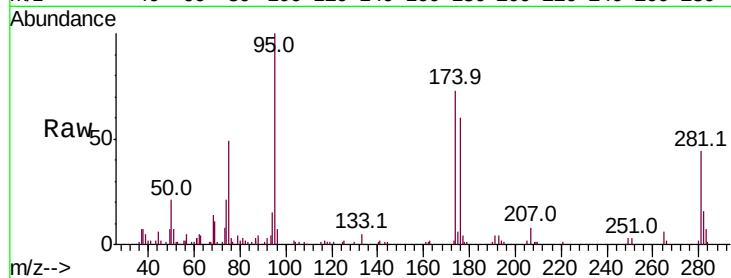
OR-03-020719-B

Tot Ion: 75 Resp: 10065

Ion Ratio Lower Upper

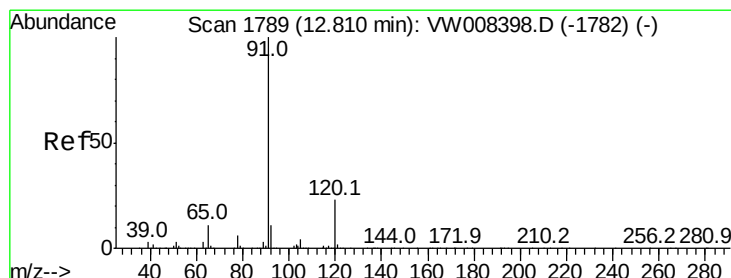
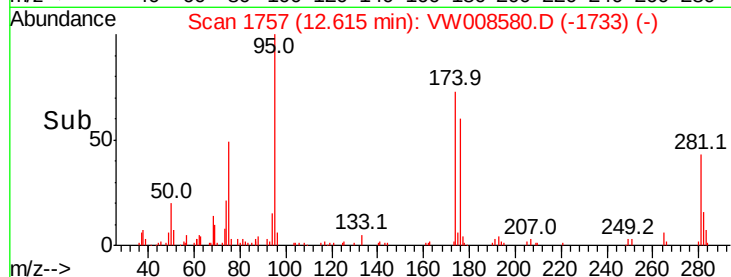
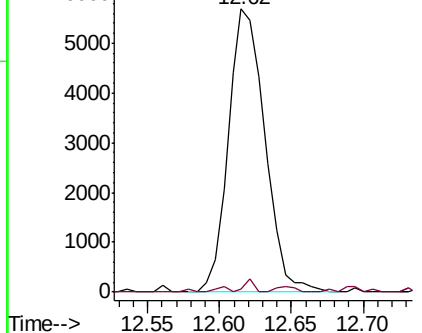
75 100

77 1.9 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#78

n-propylbenzene

Concen: 2.116 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008580.D

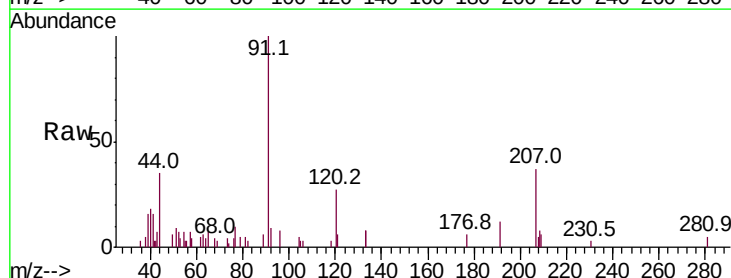
Acq: 08 Feb 2019 17:55

Tgt Ion: 91 Resp: 3238

Ion Ratio Lower Upper

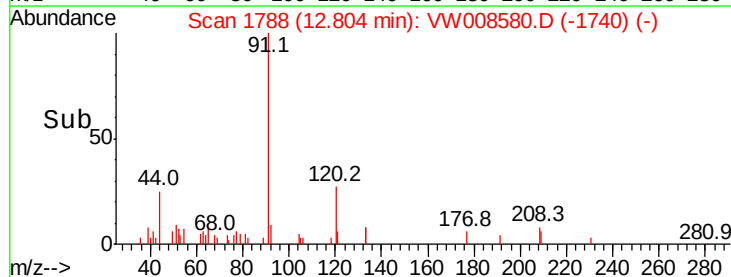
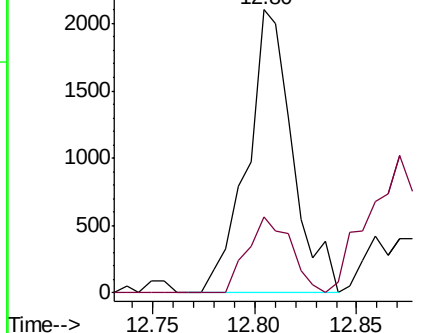
91 100

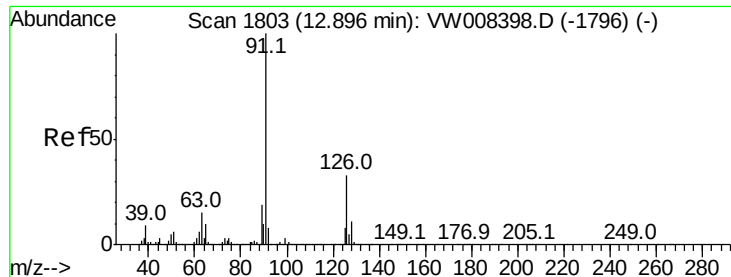
120 25.8 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.374 ug/l

RT: 12.86 min Scan# 1797

Delta R.T. -0.04 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

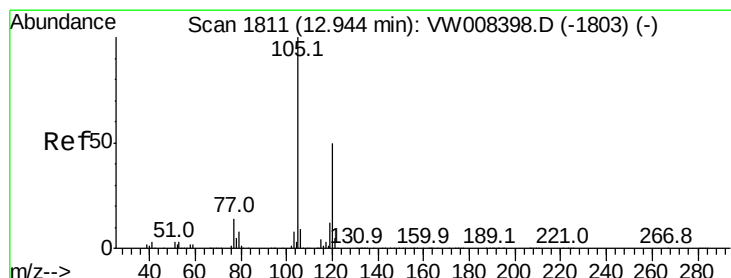
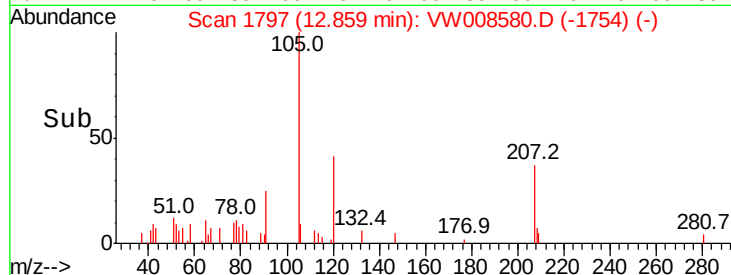
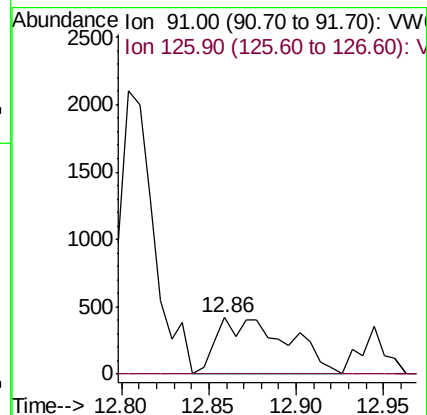
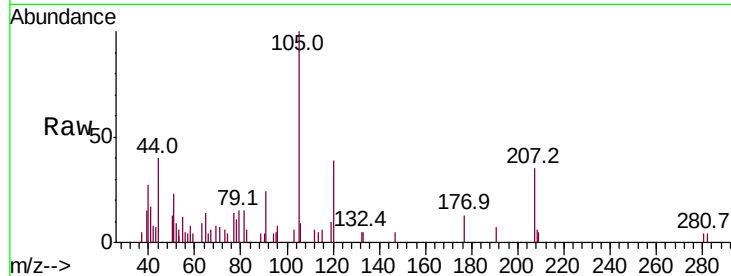
OR-03-020719-B

Tot Ion: 91 Resp: 1187

Ion Ratio Lower Upper

91 100

126 0.0 16.5 49.5#



#80

1,3,5-Trimethylbenzene

Concen: 1.894 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008580.D

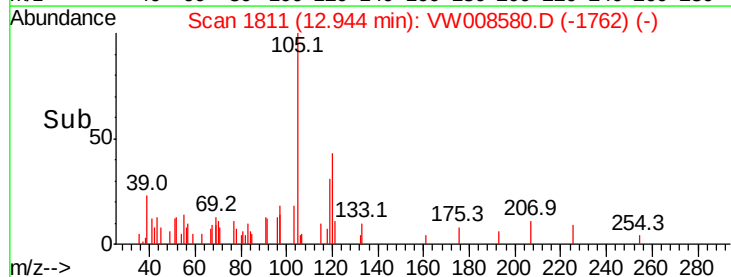
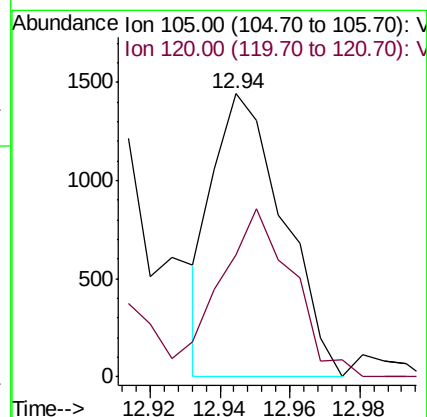
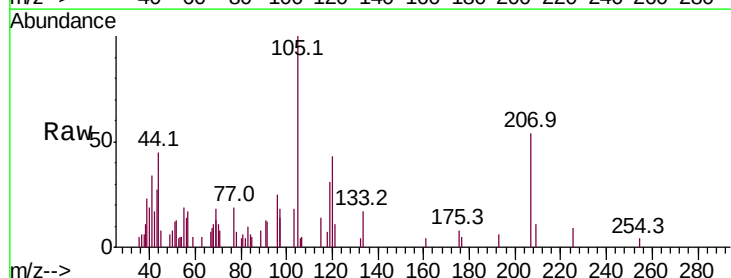
Acq: 08 Feb 2019 17:55

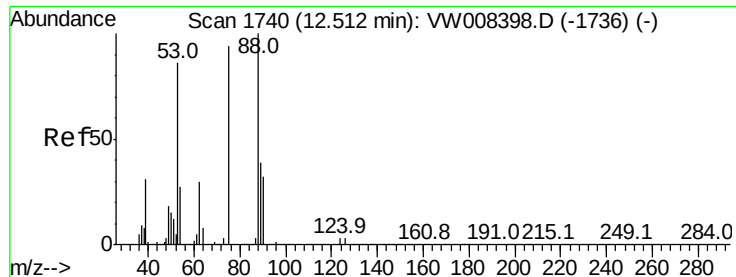
Tgt Ion:105 Resp: 2017

Ion Ratio Lower Upper

105 100

120 61.1 24.6 73.8

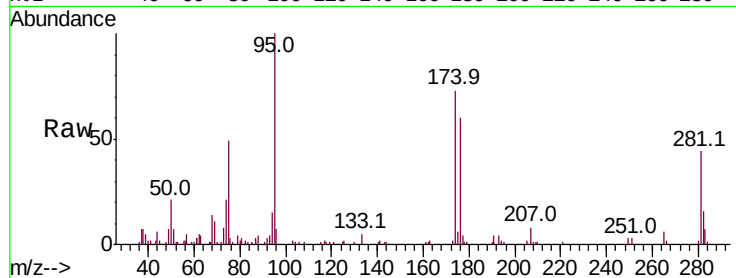




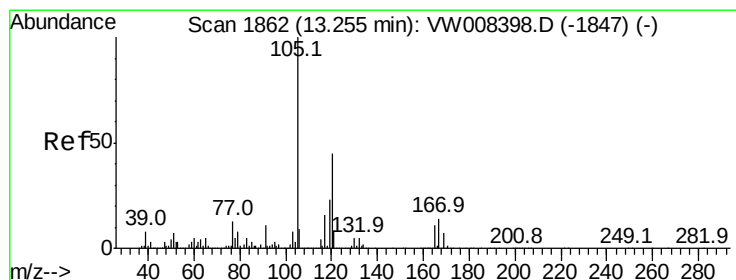
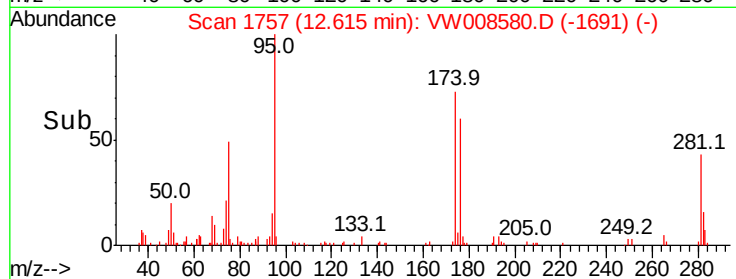
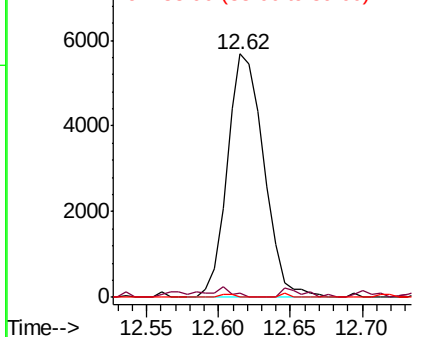
#81
trans-1,4-Dichloro-2-butene
Concen: 133.766 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW008580.D
Acq: 08 Feb 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
OR-03-020719-B

Tot Ion: 75 Resp: 10065
Ion Ratio Lower Upper
75 100
53 2.7 76.0 114.0#
89 0.6 35.4 53.0#

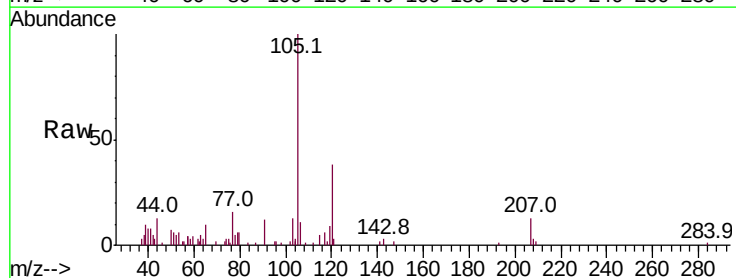


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW

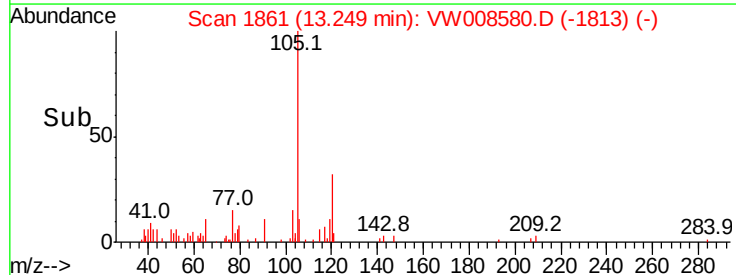
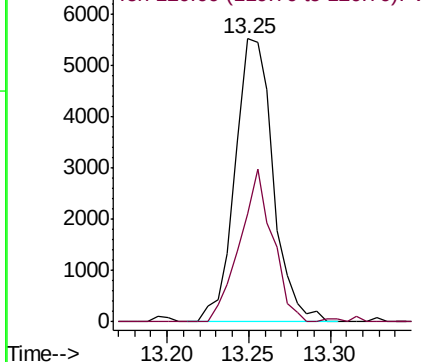


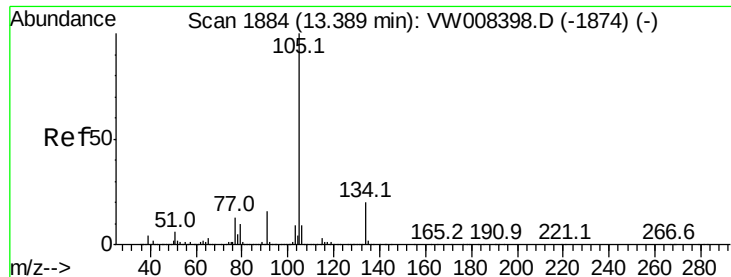
#84
1,2,4-Trimethylbenzene
Concen: 8.298 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW008580.D
Acq: 08 Feb 2019 17:55

Tgt Ion: 105 Resp: 8983
Ion Ratio Lower Upper
105 100
120 46.8 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.152 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

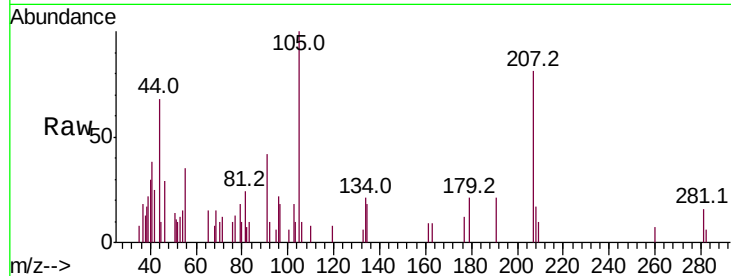
OR-03-020719-B

Tot Ion:105 Resp: 1559

Ion Ratio Lower Upper

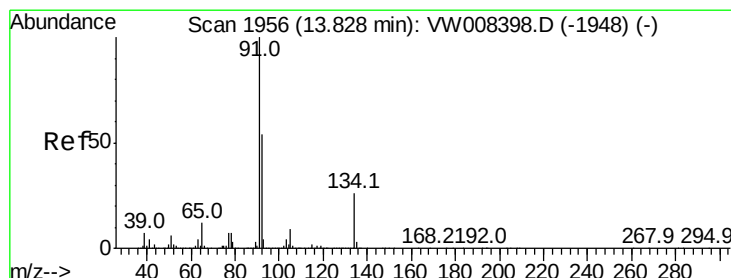
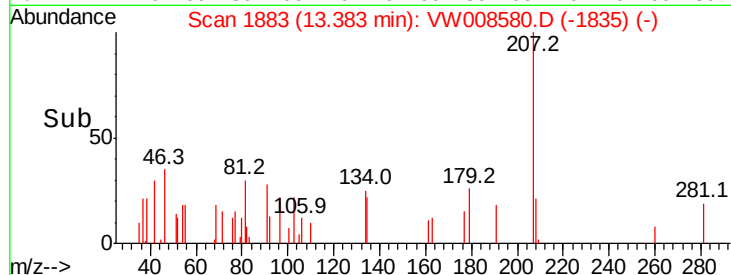
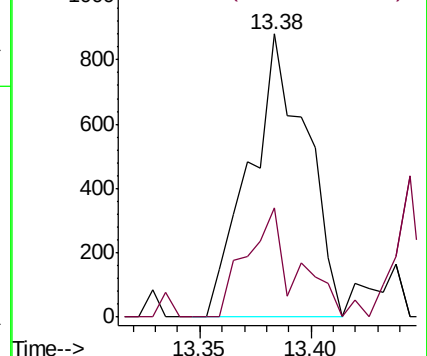
105 100

134 34.3 10.2 30.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 1.008 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

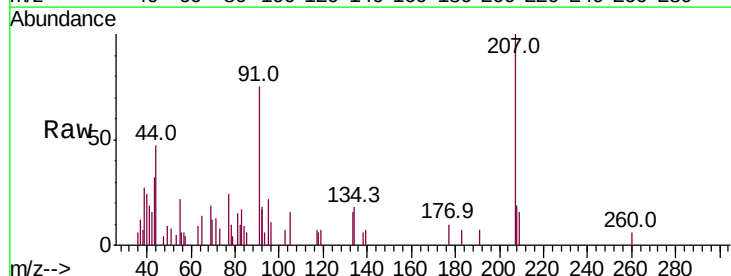
Tgt Ion: 91 Resp: 1174

Ion Ratio Lower Upper

91 100

92 91.1 27.4 82.2#

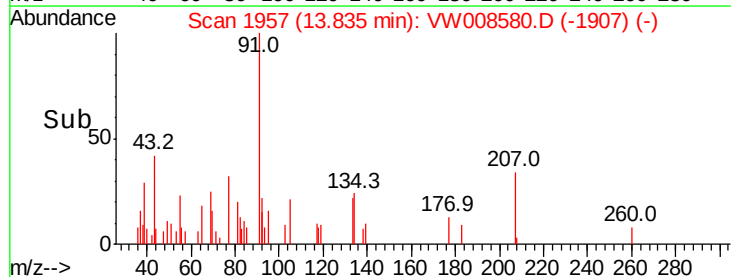
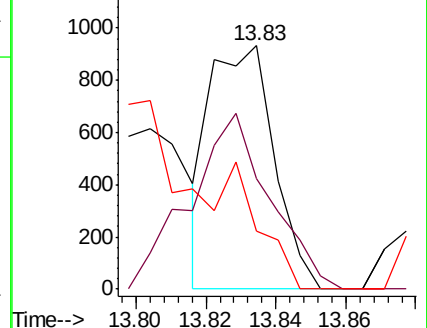
134 0.0 13.0 39.0#

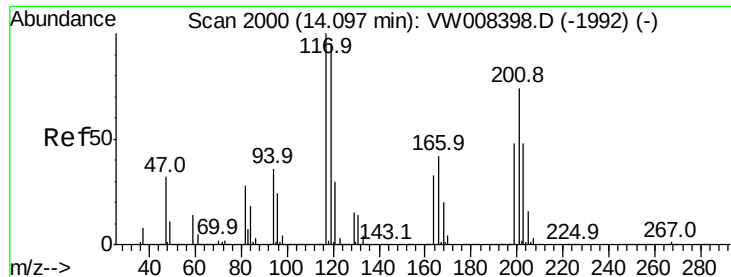


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 3.269 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

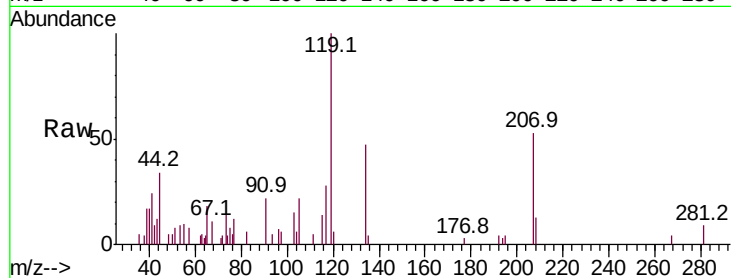
OR-03-020719-B

Tot Ion:117 Resp: 758

Ion Ratio Lower Upper

117 100

201 0.0 39.1 117.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.11

600

500

400

300

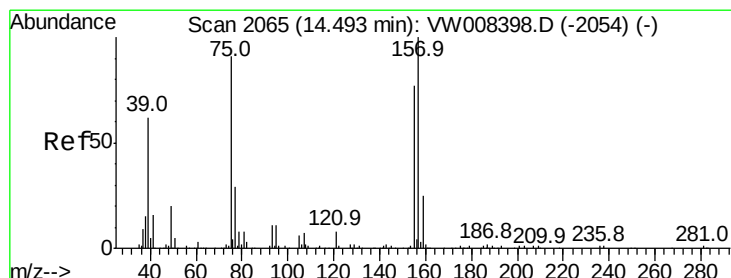
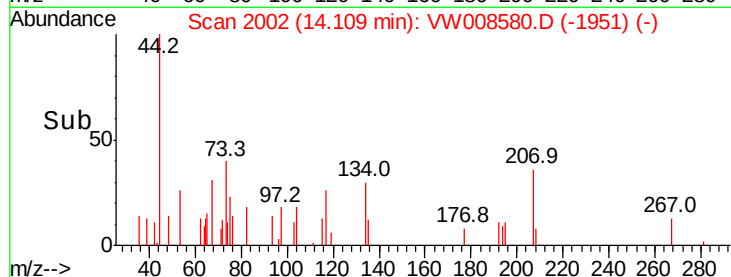
200

100

0

Time--> 14.05

14.10



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.638 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

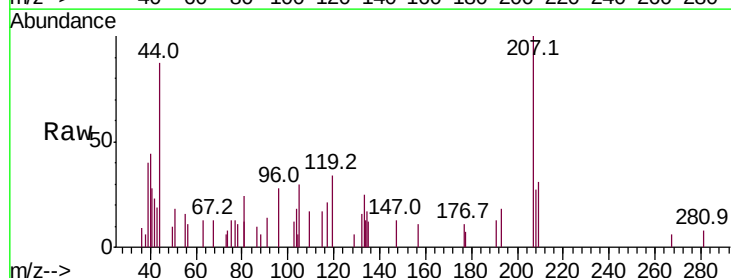
Tgt Ion: 75 Resp: 101

Ion Ratio Lower Upper

75 100

155 0.0 42.7 128.1#

157 53.5 55.5 166.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.48

150

100

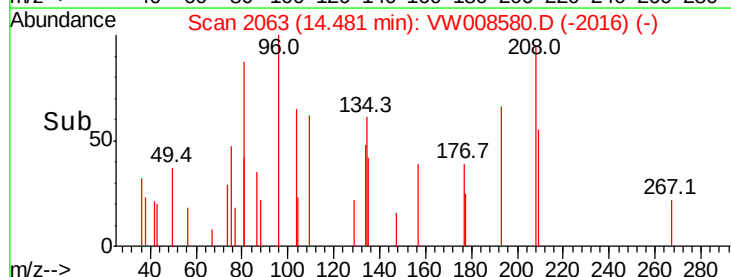
50

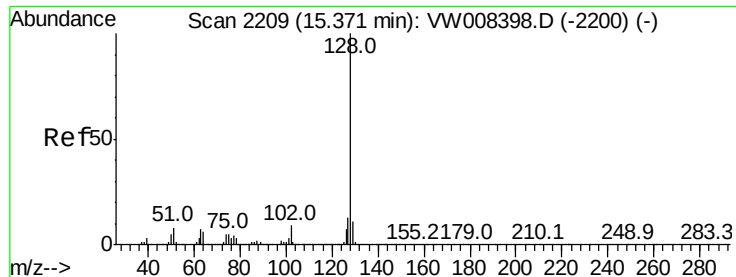
0

Time--> 14.47

14.48

14.49





#95

Naphthalene

Concen: 27.227 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008580.D

Acq: 08 Feb 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

OR-03-020719-B

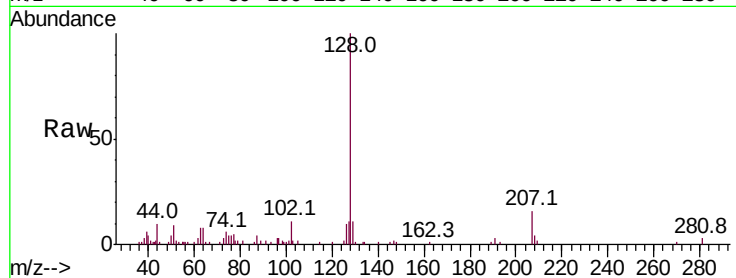
Tot Ion:128 Resp: 16966

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

