

Data File : VW008628.D
Acq On : 12 Feb 2019 17:38
Operator : SY/VA
Sample : K1343-09RE
Misc : 7.00G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-E

Quant Time: Feb 13 00:23:40 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	401735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	650631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	599441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	285635	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	228847	57.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.96%	
35) Dibromofluoromethane	7.88	113	205733	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
50) Toluene-d8	10.32	98	786898	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.62	95	299402	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

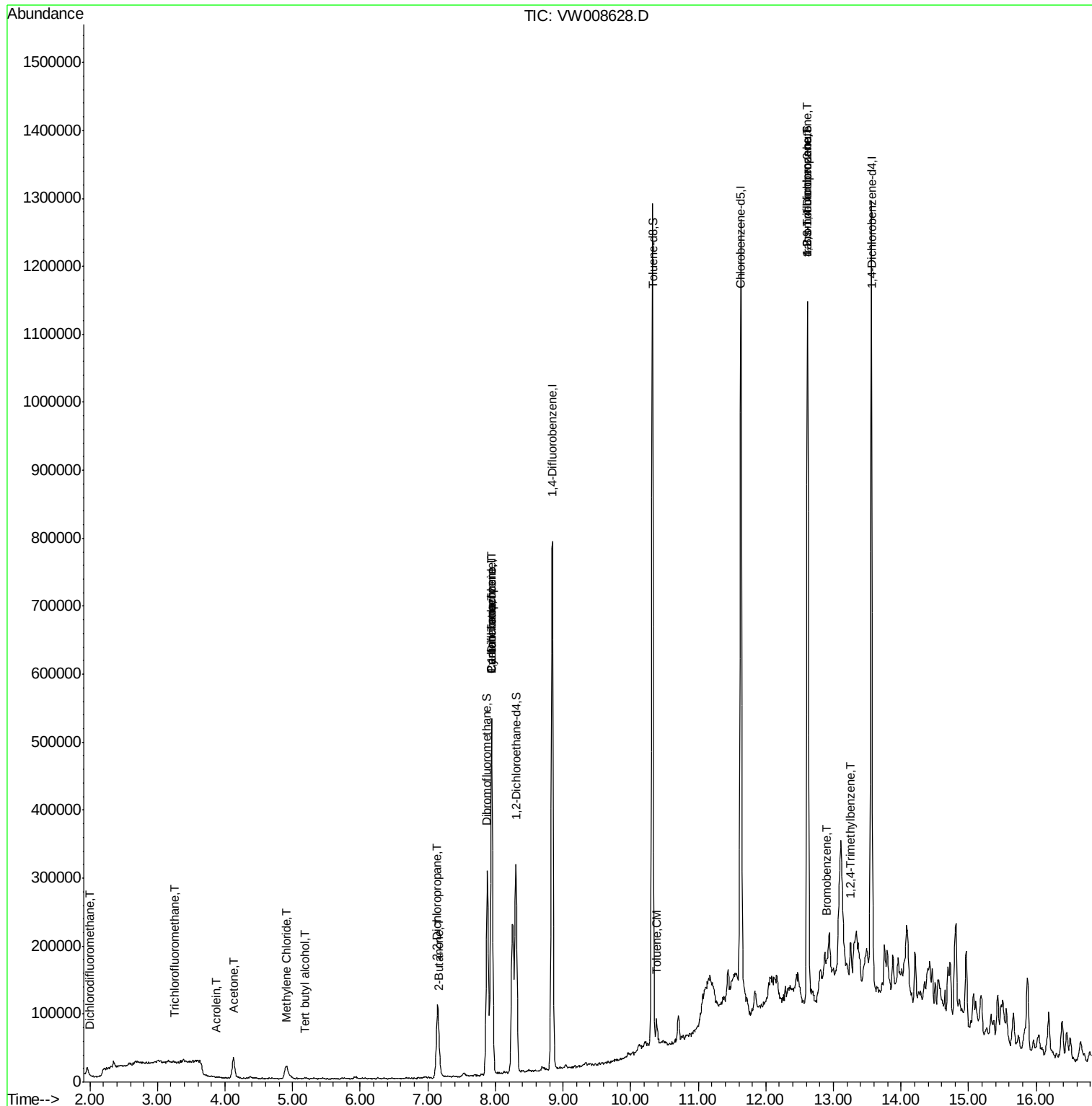
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	197	3.332	ug/l #	41
7) Trichlorofluoromethane	3.25	101	660	4.889	ug/l #	38
11) Tert butyl alcohol	5.19	59	2120	6.672	ug/l #	76
13) Acrolein	3.87	56	346	5.399	ug/l #	56
16) Acetone	4.12	43	54827	61.862	ug/l	98
20) Methylene Chloride	4.91	84	15764	3.859	ug/l	94
25) 2-Butanone	7.17	43	11275	9.159	ug/l	97
26) 2,2-Dichloropropane	7.15	77	7303	1.442	ug/l #	59
31) Cyclohexane	7.95	56	10464	1.351	ug/l #	32
36) 1,1-Dichloropropene	7.94	75	29707	4.834	ug/l #	52
38) Carbon Tetrachloride	7.95	117	39580	6.400	ug/l #	17
52) Toluene	10.38	92	13990	1.243	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	157807	63.545	ug/l #	1
77) Bromobenzene	12.89	156	23415	5.035	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	157807	125.506	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.25	105	33620	1.858	ug/l	99

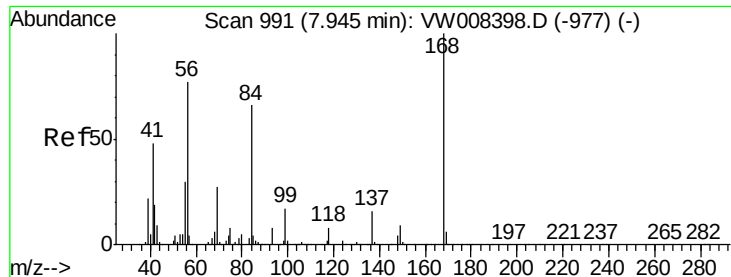
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008628.D

Acq: 12 Feb 2019 17:38

Instrument :

MSVOA_W

ClientSampleId :

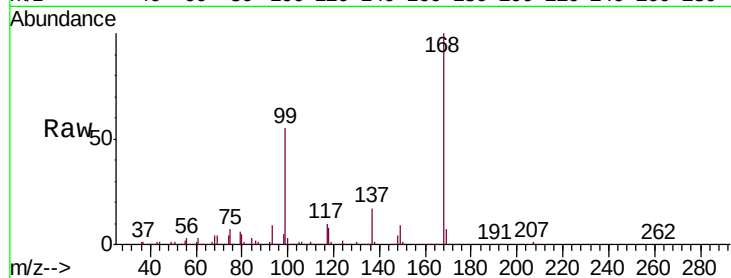
JC-02-021119-E

Tgt Ion:168 Resp: 401735

Ion Ratio Lower Upper

168 100

99 55.0 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

200000

150000

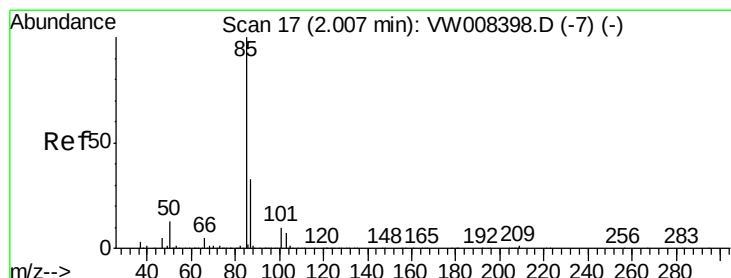
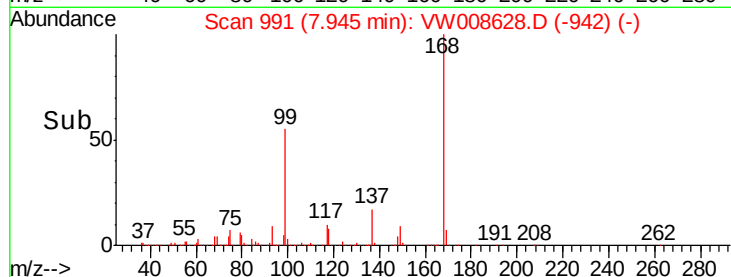
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 3.332 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008628.D

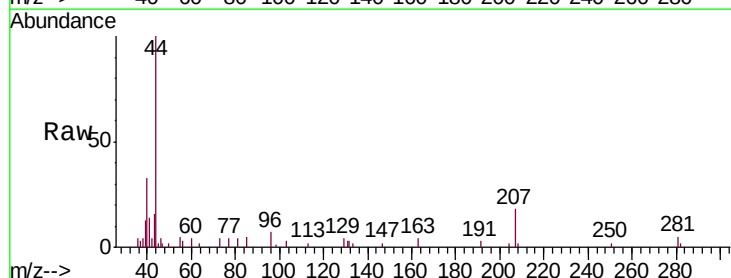
Acq: 12 Feb 2019 17:38

Tgt Ion: 85 Resp: 197

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

150

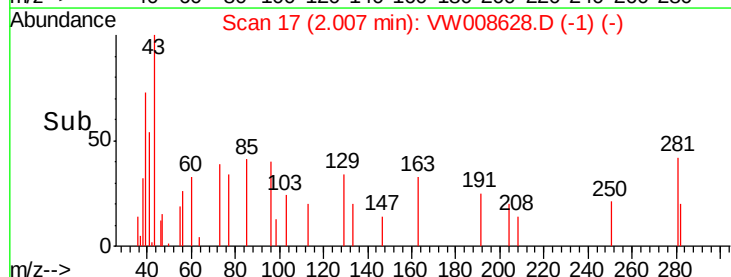
100

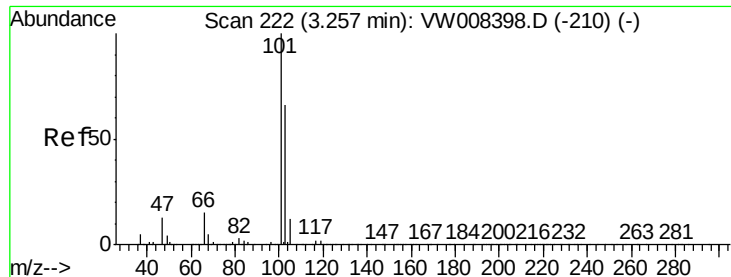
50

0

1.96 1.98 2.00 2.02 2.04

Time-->



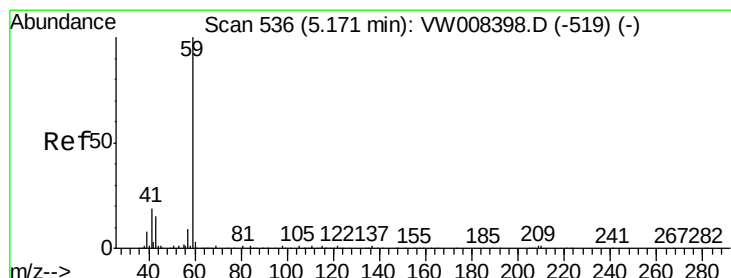
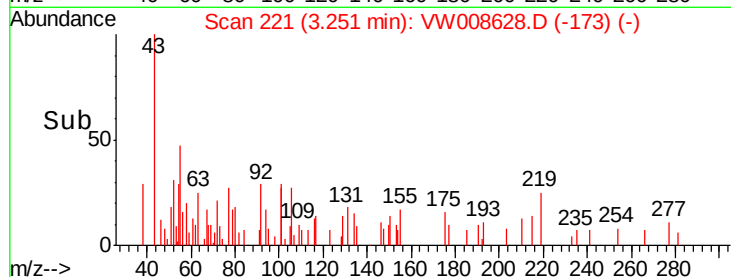
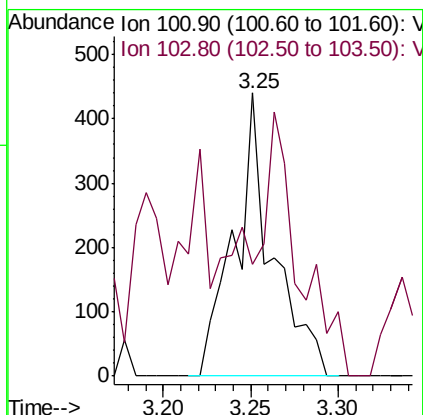
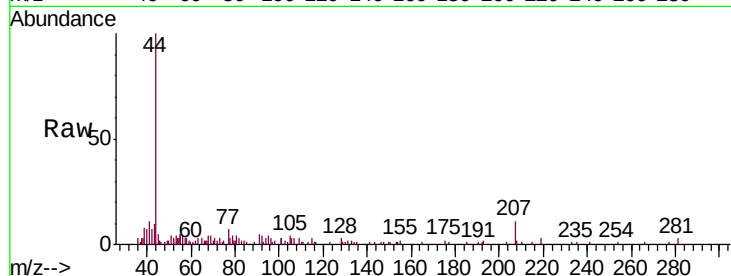


#7

Trichlorofluoromethane
 Concen: 4.889 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008628.D
 Acq: 12 Feb 2019 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-E

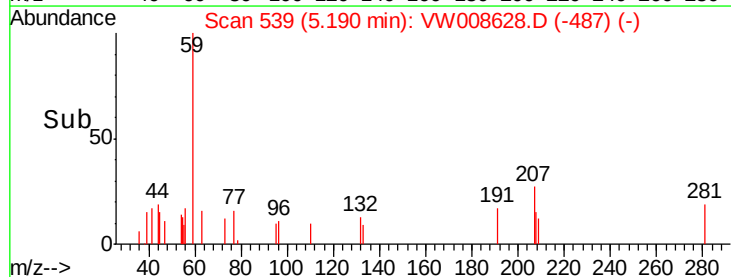
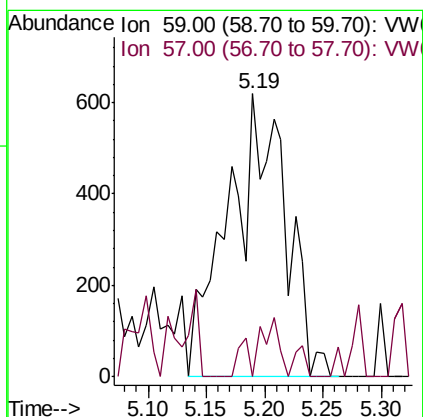
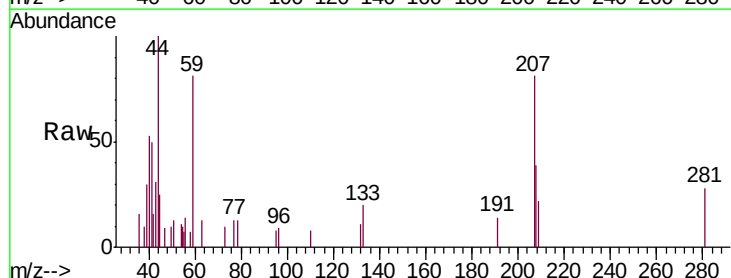
Tgt Ion: 101 Resp: 660
 Ion Ratio Lower Upper
 101 100
 103 16.8 52.5 78.7#

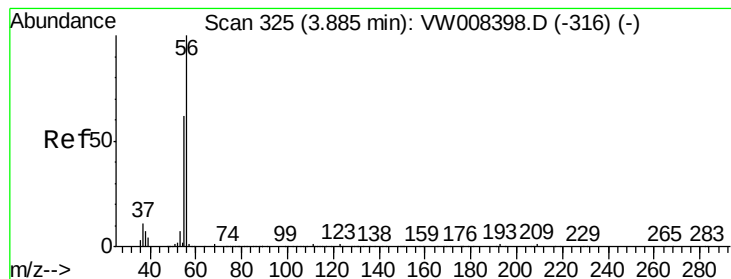


#11

Tert butyl alcohol
 Concen: 6.672 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW008628.D
 Acq: 12 Feb 2019 17:38

Tgt Ion: 59 Resp: 2120
 Ion Ratio Lower Upper
 59 100
 57 2.5 9.3 13.9#





#13

Acrolein

Concen: 5.399 ug/l

RT: 3.87 min Scan# 322

Delta R.T. -0.02 min

Lab File: VW008628.D

Acq: 12 Feb 2019 17:38

Instrument :

MSVOA_W

ClientSampleId :

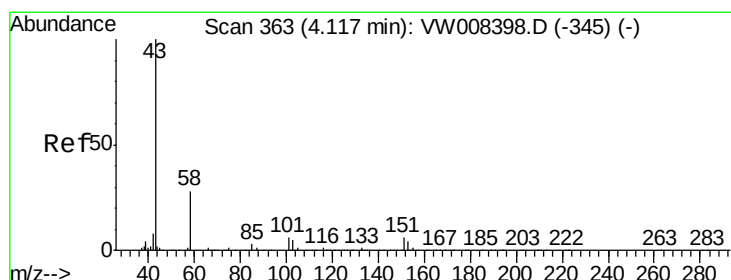
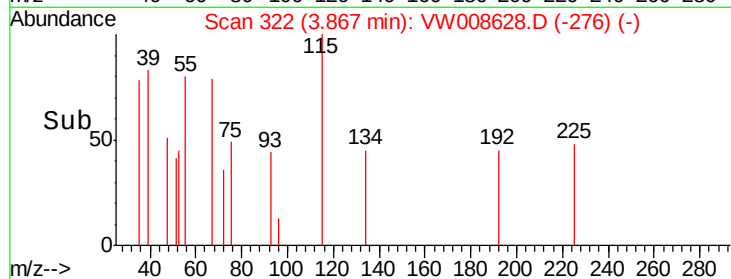
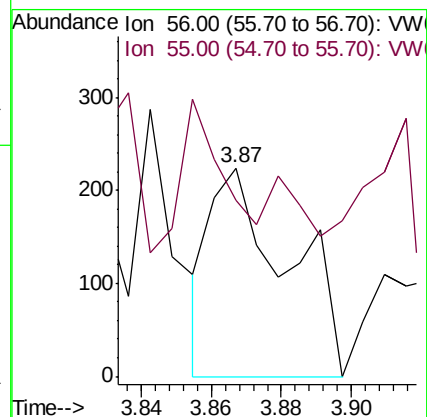
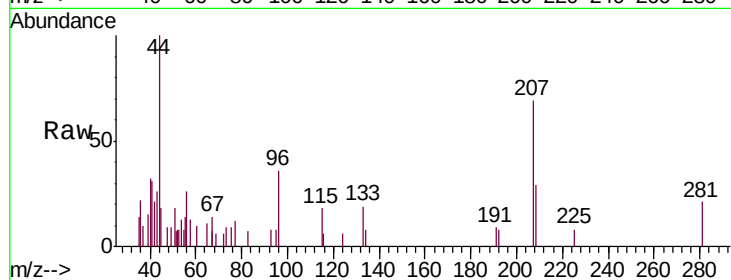
JC-02-021119-E

Tgt Ion: 56 Resp: 346

Ion Ratio Lower Upper

56 100

55 34.4 56.7 85.1#



#16

Acetone

Concen: 61.862 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008628.D

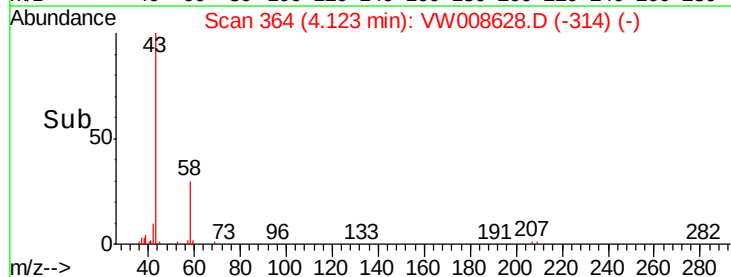
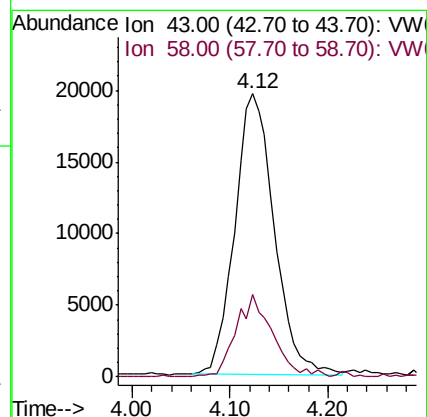
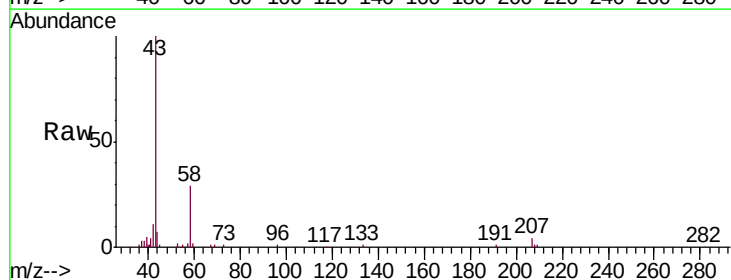
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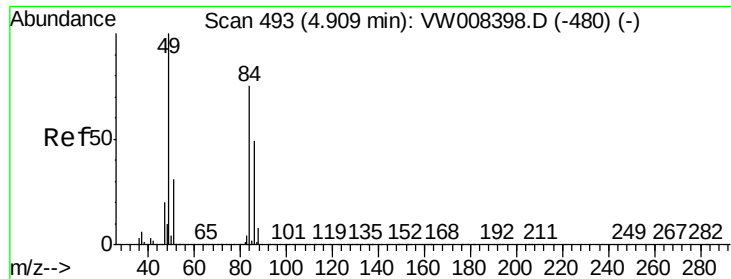
Tgt Ion: 43 Resp: 54827

Ion Ratio Lower Upper

43 100

58 29.4 22.6 34.0

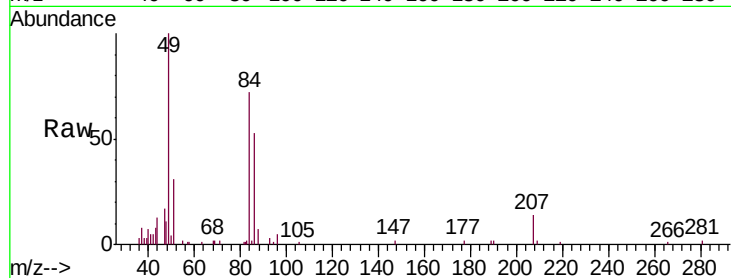




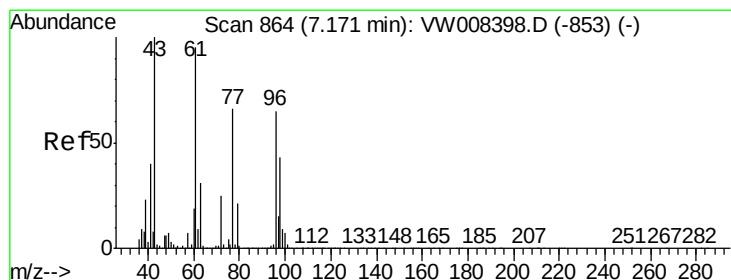
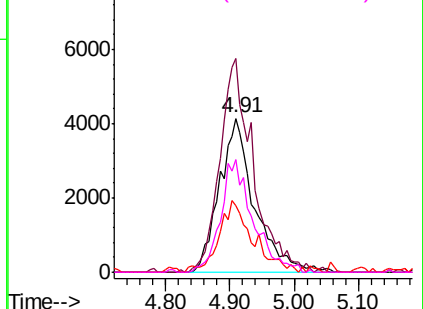
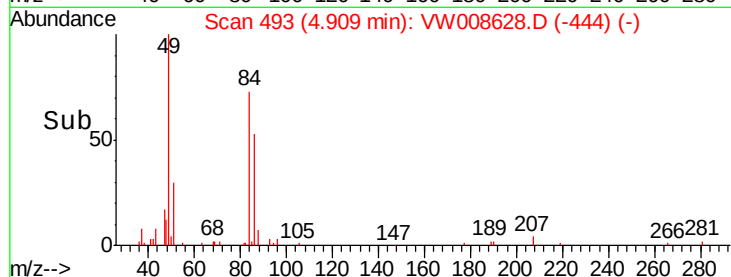
#20
Methylene Chloride
Concen: 3.859 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008628.D
Acq: 12 Feb 2019 17:38

Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-E

Tgt Ion:	84	Resp:	15764
Ion	Ratio	Lower	Upper
84	100		
49	138.8	106.8	160.2
51	43.2	32.9	49.3
86	72.9	52.2	78.2

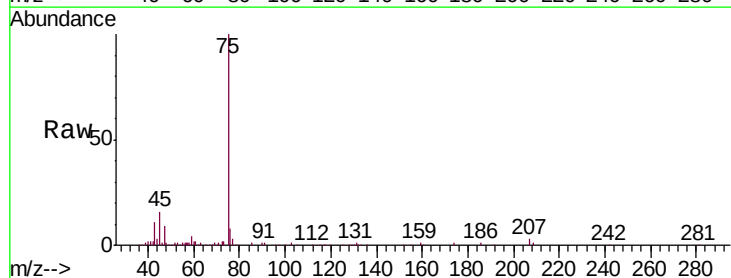


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

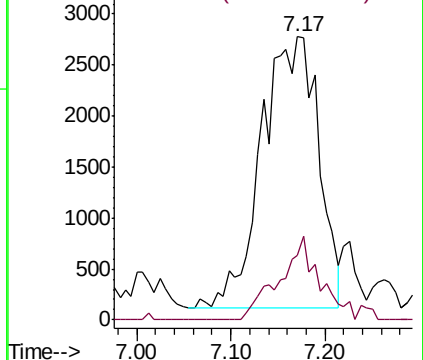
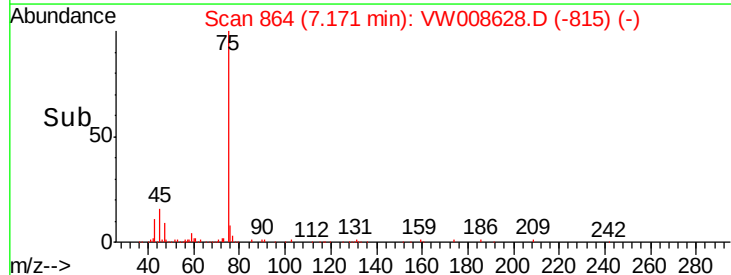


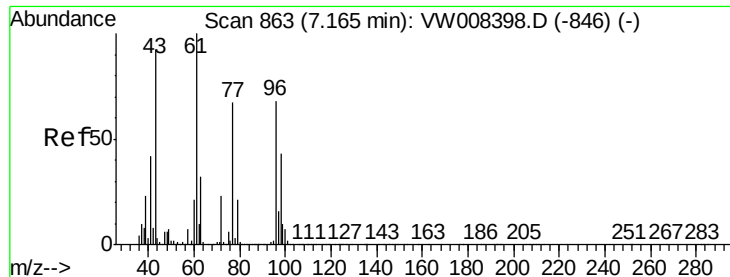
#25
2-Butanone
Concen: 9.159 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008628.D
Acq: 12 Feb 2019 17:38

Tgt Ion:	43	Resp:	11275
Ion	Ratio	Lower	Upper
43	100		
72	23.7	20.1	30.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

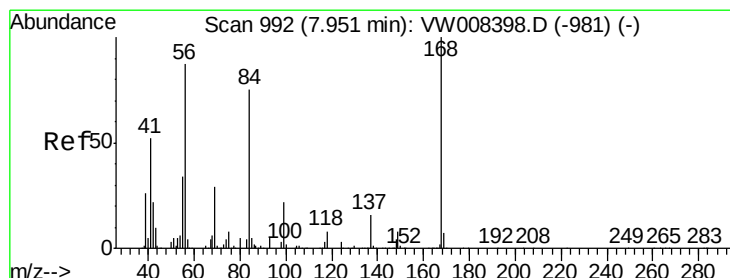
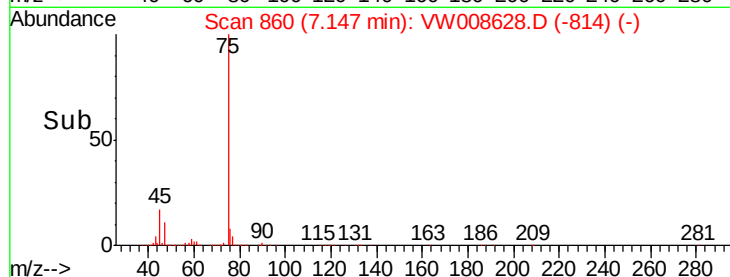
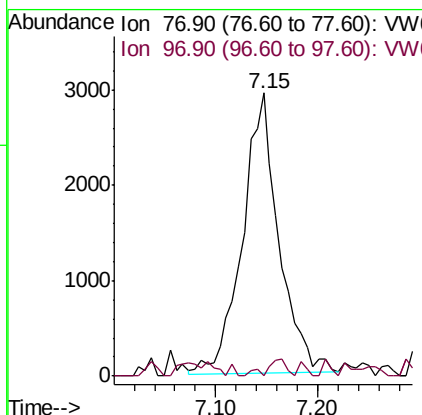
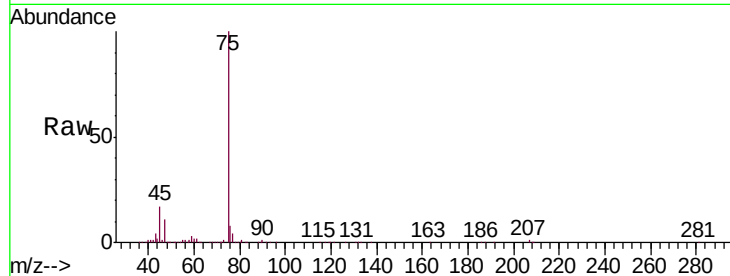




#26
 2,2-Dichloropropane
 Concen: 1.442 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW008628.D
 Acq: 12 Feb 2019 17:38

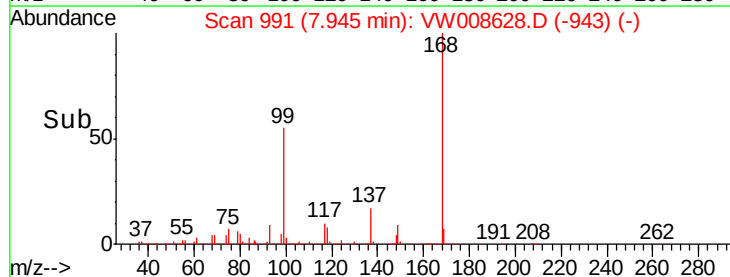
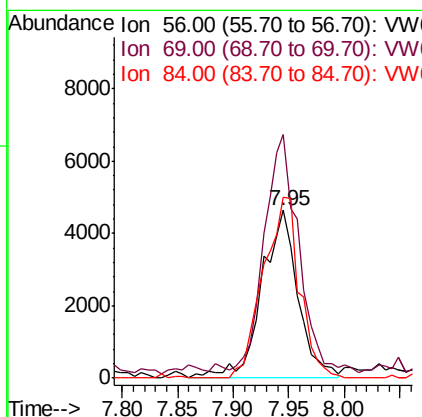
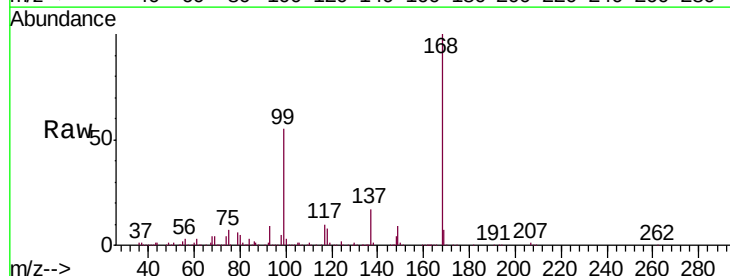
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 JC-02-021119-E

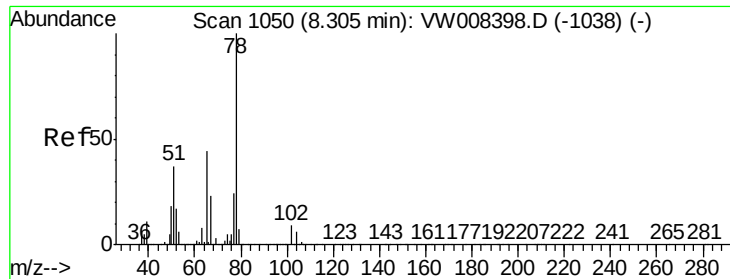
Tgt Ion: 77 Resp: 7303
 Ion Ratio Lower Upper
 77 100
 97 3.2 11.5 34.5#



#31
 Cyclohexane
 Concen: 1.351 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW008628.D
 Acq: 12 Feb 2019 17:38

Tgt Ion: 56 Resp: 10464
 Ion Ratio Lower Upper
 56 100
 69 138.7 26.4 39.6#
 84 107.5 69.1 103.7#

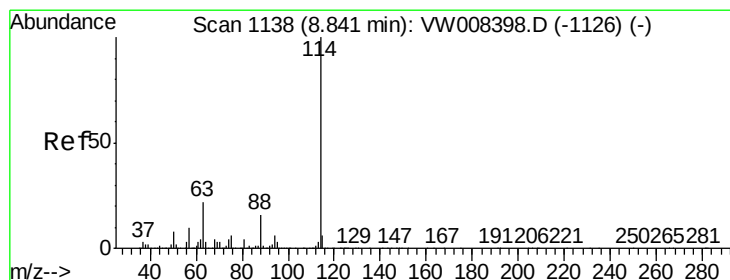
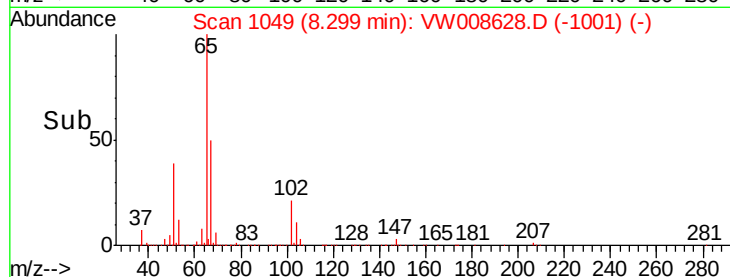
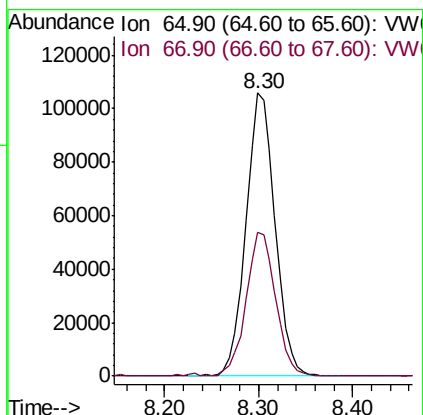
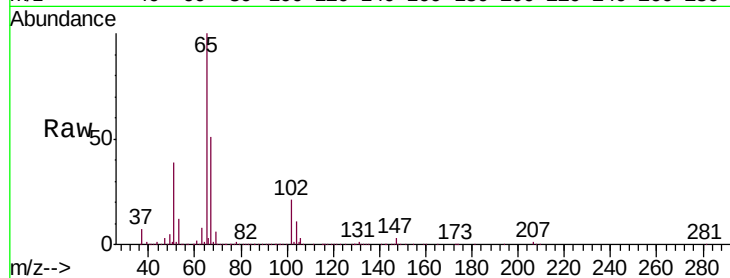




#33
 1,2-Dichloroethane-d4
 Concen: 57.985 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008628.D
 Acq: 12 Feb 2019 17:38

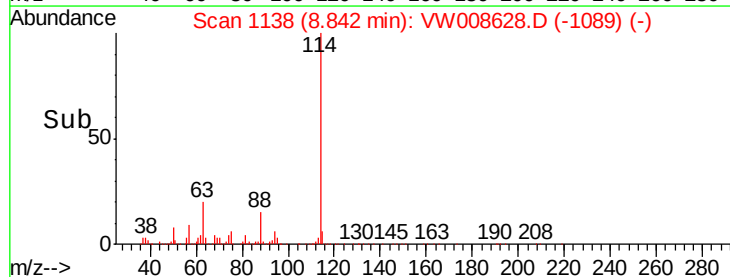
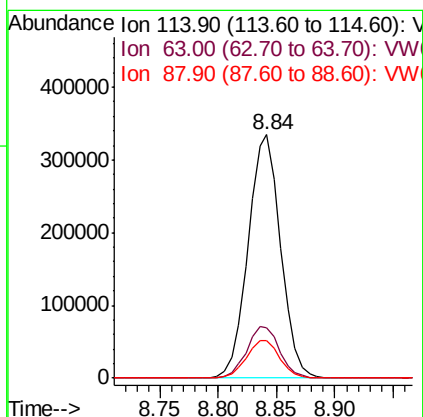
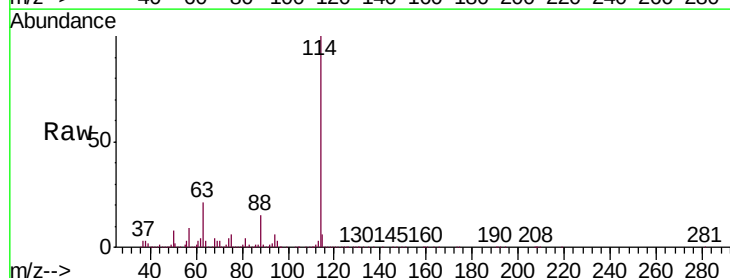
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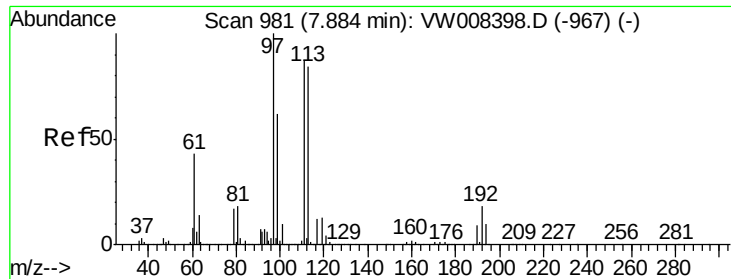
Tgt Ion: 65 Resp: 228847
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008628.D
 Acq: 12 Feb 2019 17:38

Tgt Ion: 114 Resp: 650631
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.6
 88 15.3 0.0 31.8

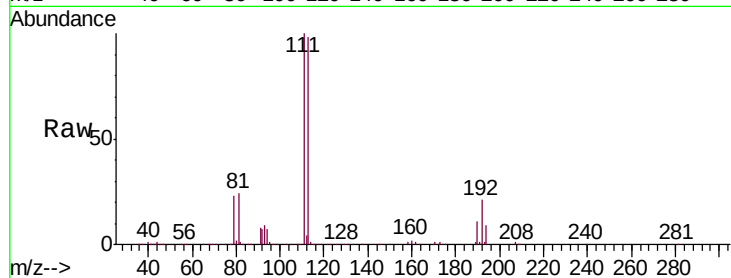




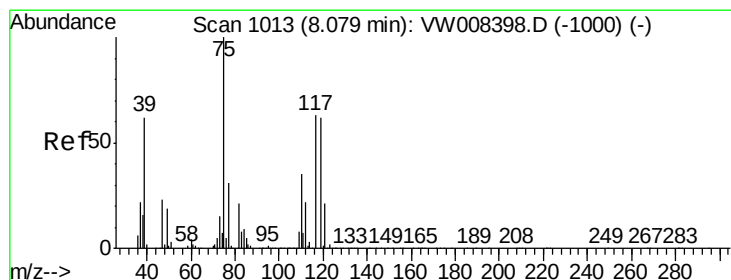
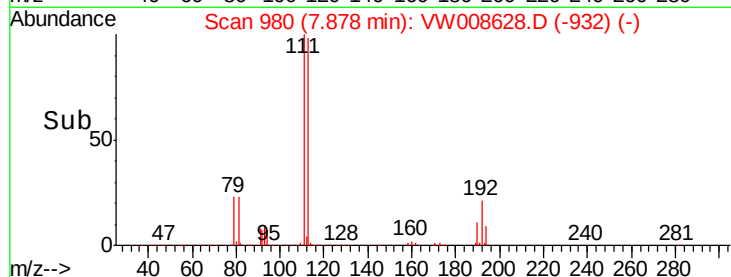
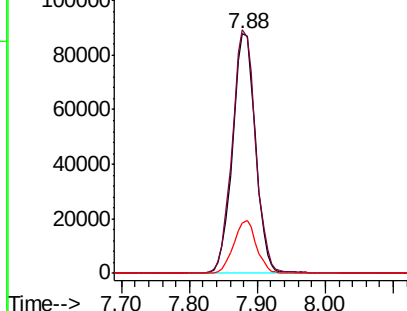
#35
 Dibromofluoromethane
 Concen: 54.077 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008628.D
 Acq: 12 Feb 2019 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-E

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.4
192	21.8	16.8	25.2

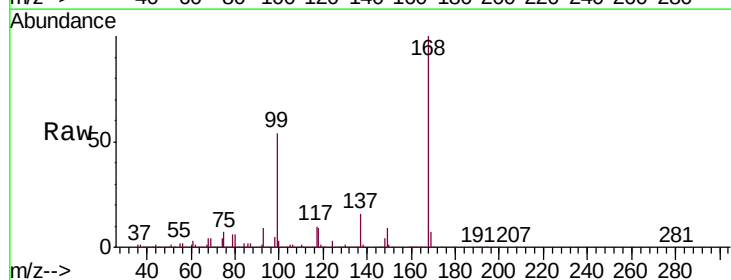


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

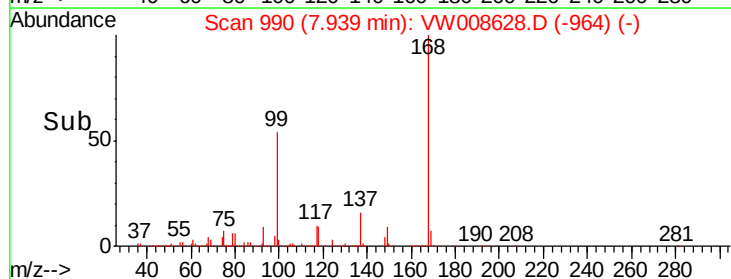
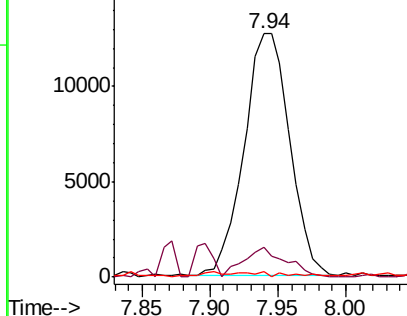


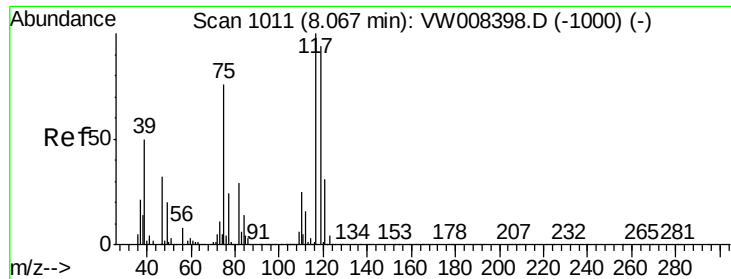
#36
 1,1-Dichloropropene
 Concen: 4.834 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008628.D
 Acq: 12 Feb 2019 17:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	17.3	52.0#
77	0.0	24.7	37.1#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.400 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008628.D

Acq: 12 Feb 2019 17:38

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-E

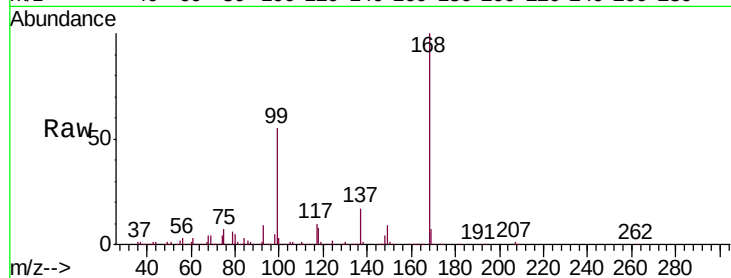
Tgt Ion:117 Resp: 39580

Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.4#

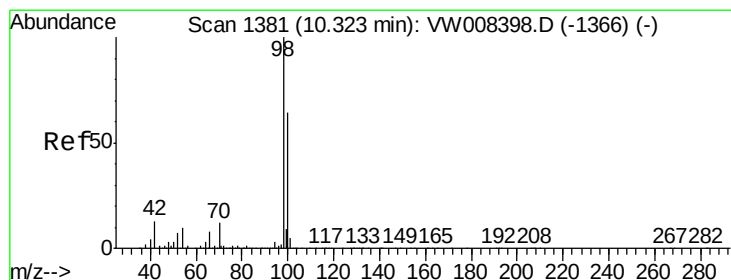
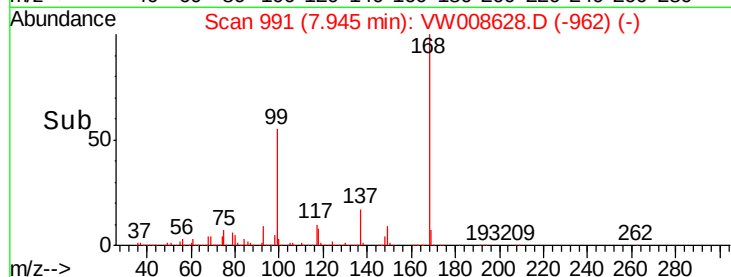
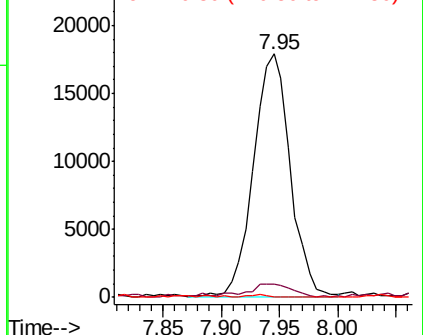
121 0.3 24.9 37.3#



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



#50

Toluene-d8

Concen: 51.579 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008628.D

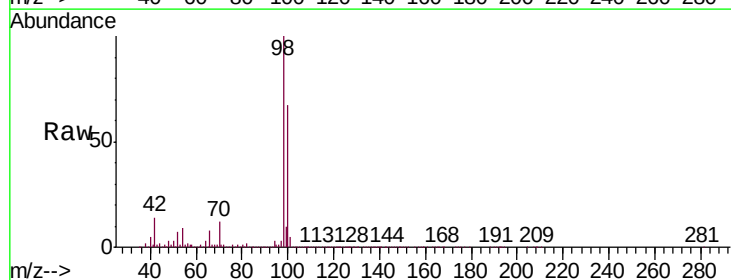
Acq: 12 Feb 2019 17:38

Tgt Ion: 98 Resp: 786898

Ion Ratio Lower Upper

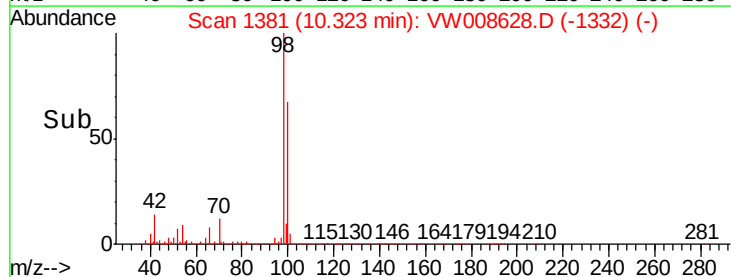
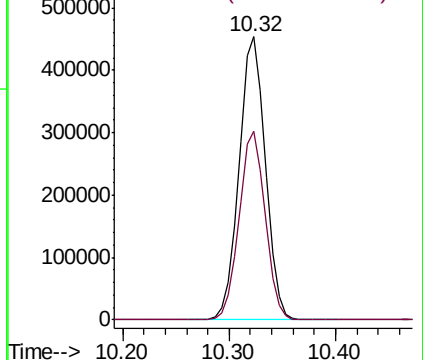
98 100

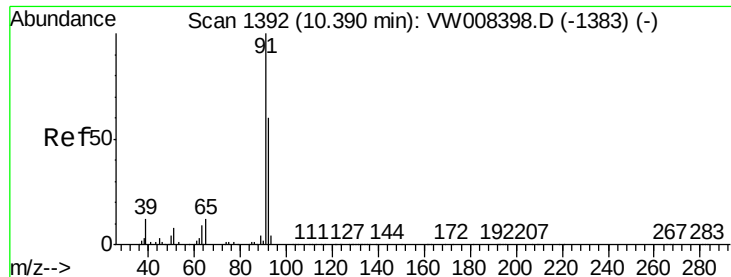
100 66.0 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.243 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008628.D

Acq: 12 Feb 2019 17:38

Instrument :

MSVOA_W

ClientSampleId :

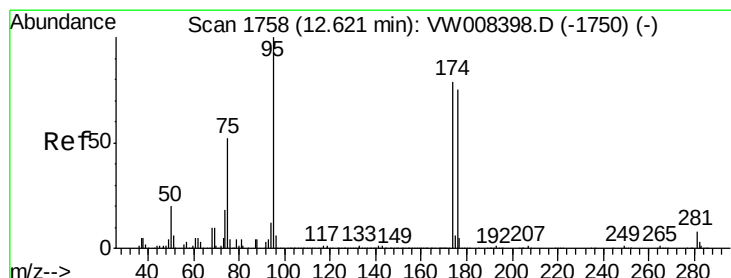
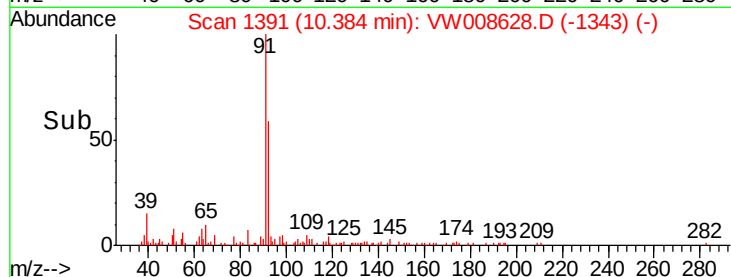
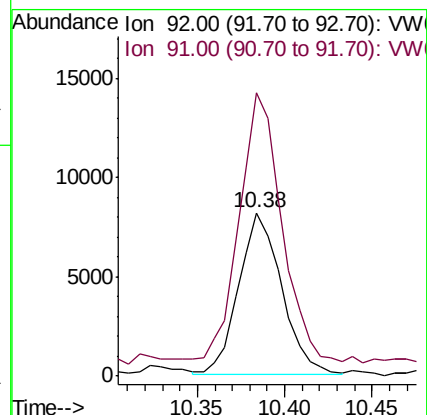
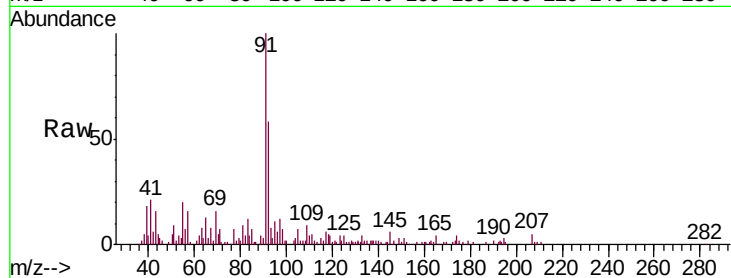
JC-02-021119-E

Tgt Ion: 92 Resp: 13990

Ion Ratio Lower Upper

92 100

91 164.2 135.5 203.3



#62

4-Bromofluorobenzene

Concen: 51.056 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008628.D

Acq: 12 Feb 2019 17:38

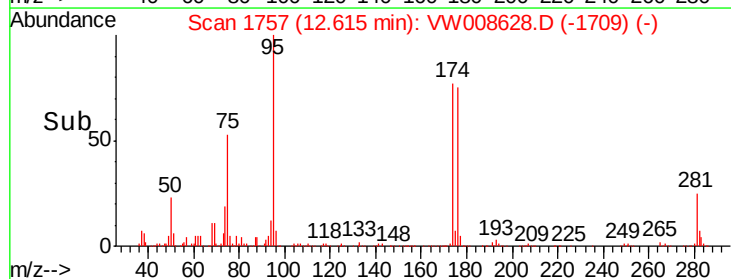
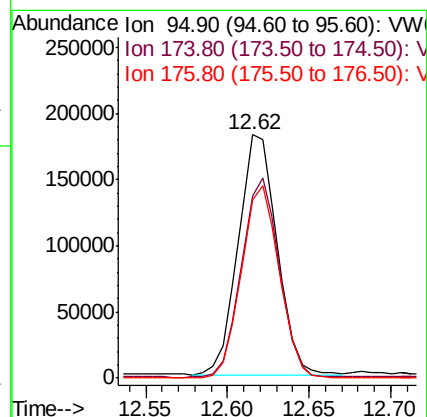
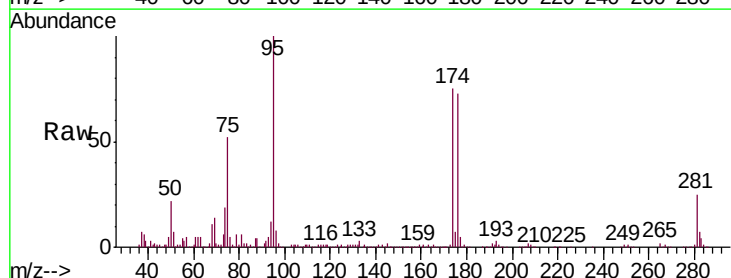
Tgt Ion: 95 Resp: 299402

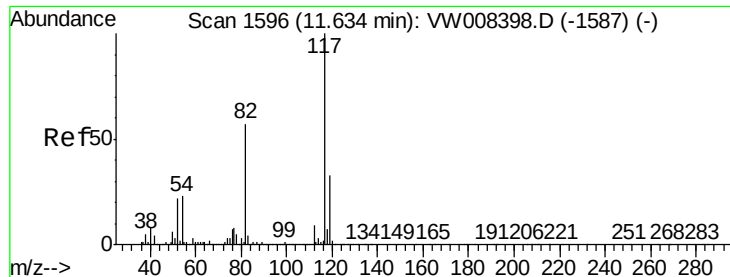
Ion Ratio Lower Upper

95 100

174 81.1 0.0 157.6

176 78.8 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW008628.D

Acq: 12 Feb 2019 17:38

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-E

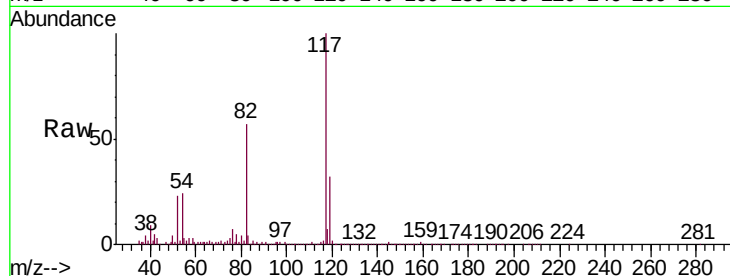
Tgt Ion:117 Resp: 599441

Ion Ratio Lower Upper

117 100

82 56.7 45.4 68.0

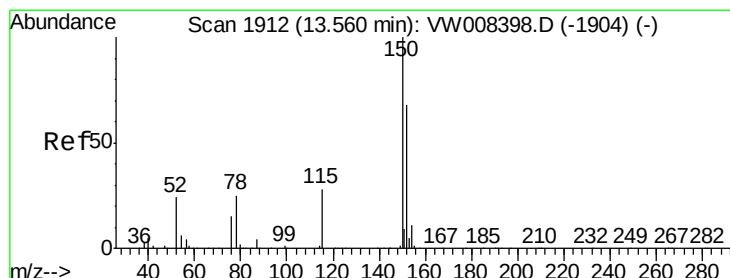
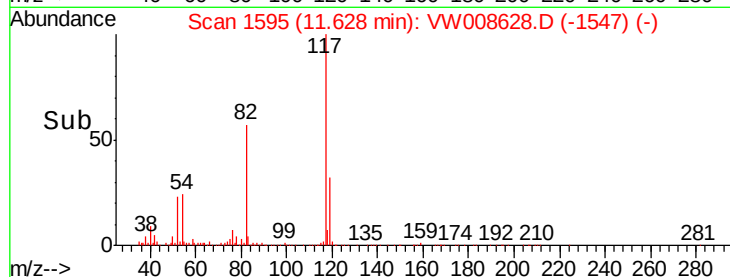
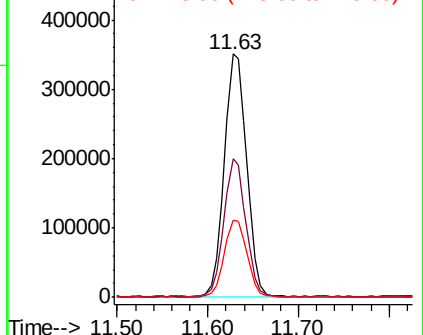
119 31.7 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008628.D

Acq: 12 Feb 2019 17:38

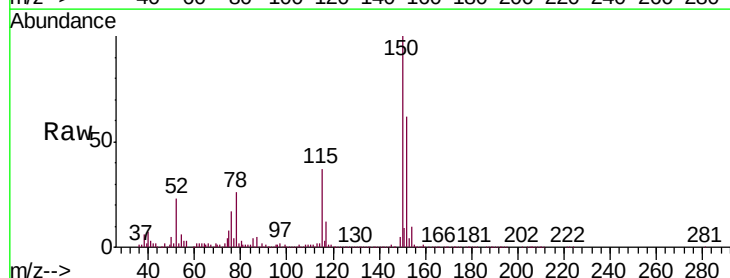
Tgt Ion:152 Resp: 285635

Ion Ratio Lower Upper

152 100

115 57.9 29.9 89.7

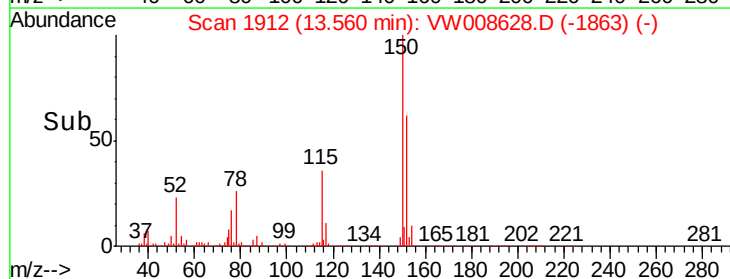
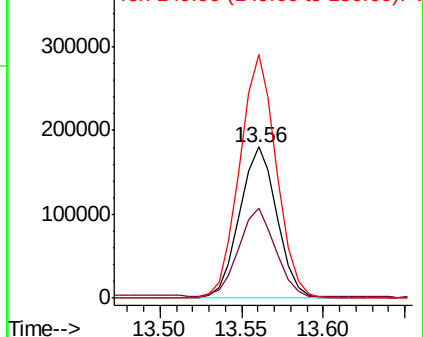
150 158.7 0.0 351.4

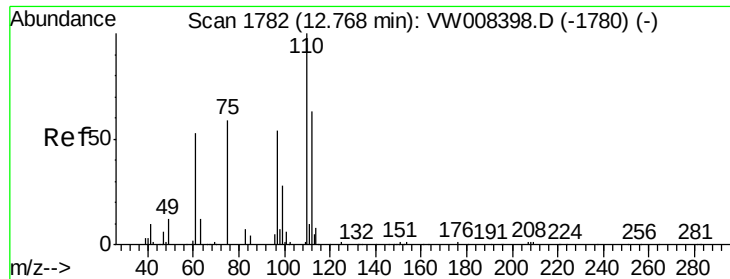


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 63.545 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008628.D

Acq: 12 Feb 2019 17:38

Instrument :

MSVOA_W

ClientSampleId :

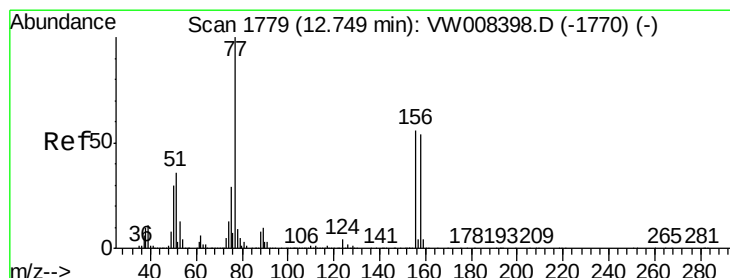
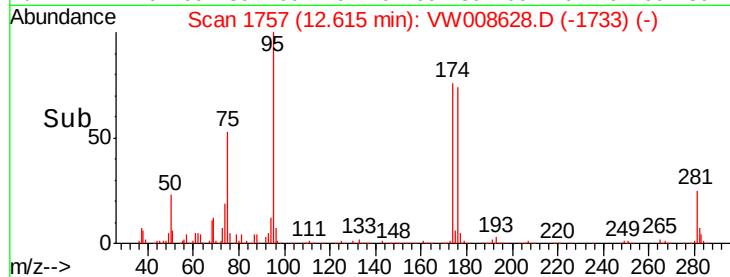
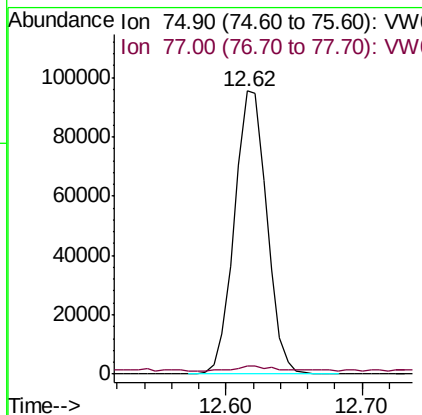
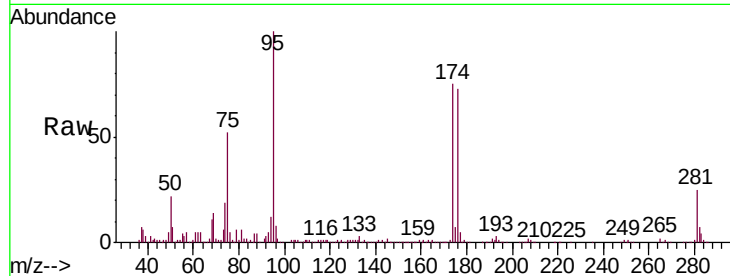
JC-02-021119-E

Tgt Ion: 75 Resp: 157807

Ion Ratio Lower Upper

75 100

77 2.4 180.7 542.1#



#77

Bromobenzene

Concen: 5.035 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.14 min

Lab File: VW008628.D

Acq: 12 Feb 2019 17:38

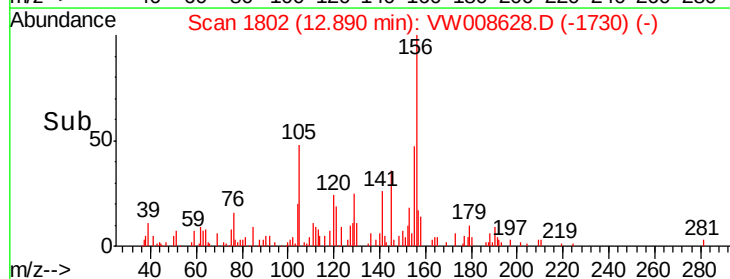
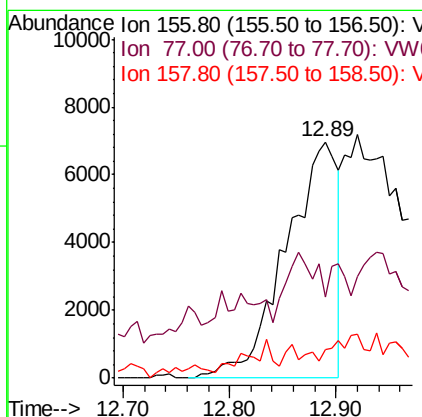
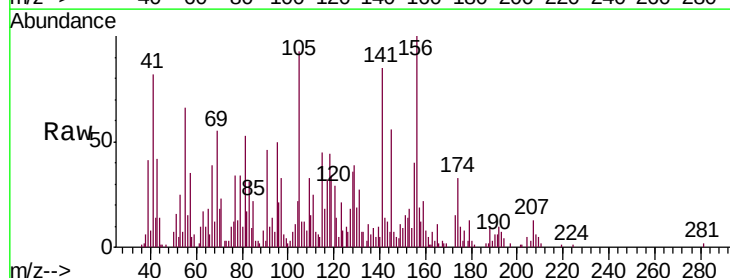
Tgt Ion: 156 Resp: 23415

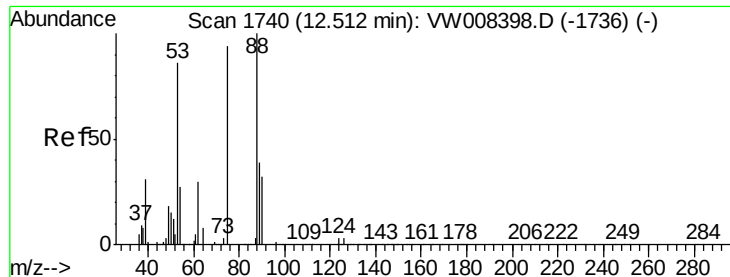
Ion Ratio Lower Upper

156 100

77 6.6 96.9 290.7#

158 0.0 48.8 146.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 125.506 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008628.D

Acq: 12 Feb 2019 17:38

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-E

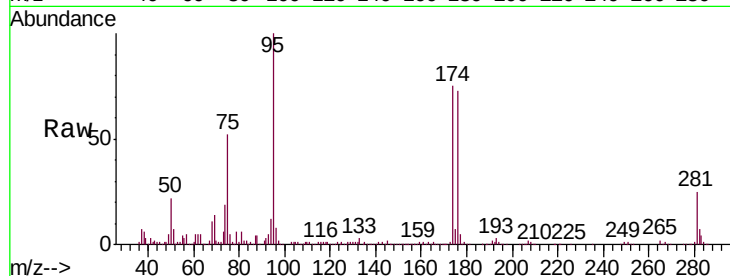
Tgt Ion: 75 Resp: 157807

Ion Ratio Lower Upper

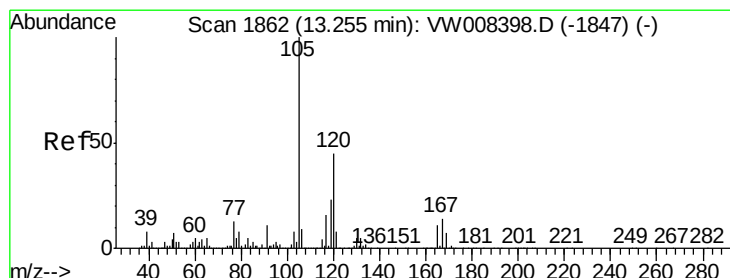
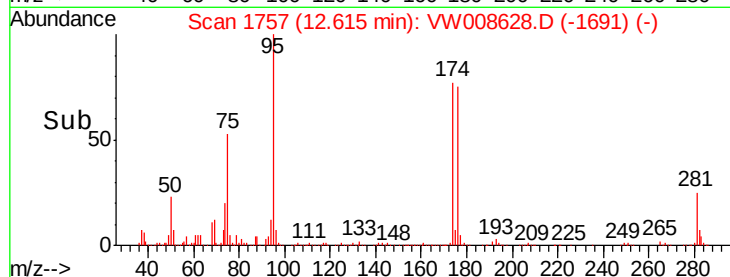
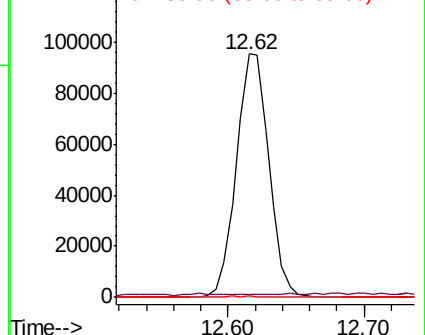
75 100

53 0.4 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



#84

1,2,4-Trimethylbenzene

Concen: 1.858 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW008628.D

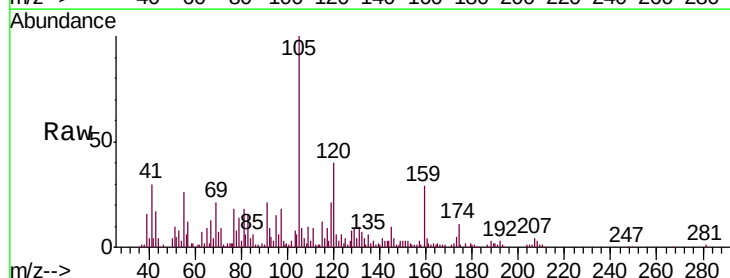
Acq: 12 Feb 2019 17:38

Tgt Ion: 105 Resp: 33620

Ion Ratio Lower Upper

105 100

120 46.6 23.1 69.2



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

