

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012819\
 Data File : VW008440.D
 Acq On : 28 Jan 2019 16:26
 Operator : SY/VA
 Sample : K1016-11RE
 Misc : 11.23G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-012819RE

Quant Time: Jan 29 04:15:14 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	427785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	696045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	617507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	280244	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	223077	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
35) Dibromofluoromethane	7.88	113	218164	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
50) Toluene-d8	10.32	98	819907	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.62	95	295523	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	

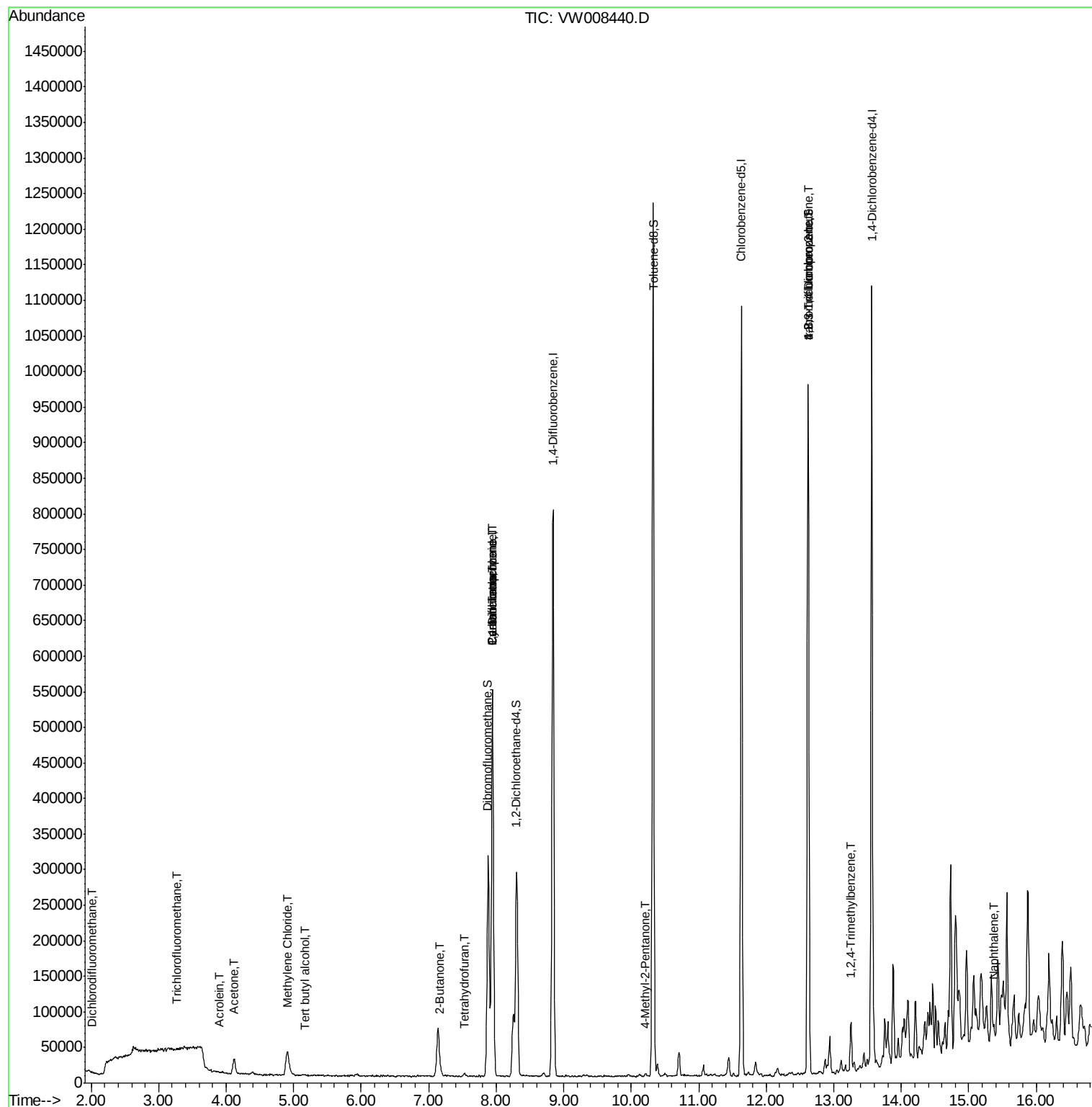
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	185	3.322	ug/l #	41
7) Trichlorofluoromethane	3.26	101	132	4.756	ug/l #	34
11) Tert butyl alcohol	5.17	59	778	2.299	ug/l #	55
13) Acrolein	3.90	56	577	6.086	ug/l #	14
16) Acetone	4.12	43	35725	37.854	ug/l	98
20) Methylene Chloride	4.91	84	28982	6.663	ug/l	89
25) 2-Butanone	7.17	43	9547	7.283	ug/l	99
29) Tetrahydrofuran	7.53	42	3164	3.809	ug/l #	81
31) Cyclohexane	7.95	56	8946	1.085	ug/l #	18
36) 1,1-Dichloropropene	7.94	75	30383	4.621	ug/l #	52
38) Carbon Tetrachloride	7.95	117	40427	6.110	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	3274	1.097	ug/l #	83
76) 1,2,3-Trichloropropane	12.62	75	149247	61.254	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	149247	120.982	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.26	105	38248	2.155	ug/l	99
95) Naphthalene	15.37	128	14881	1.457	ug/l	96

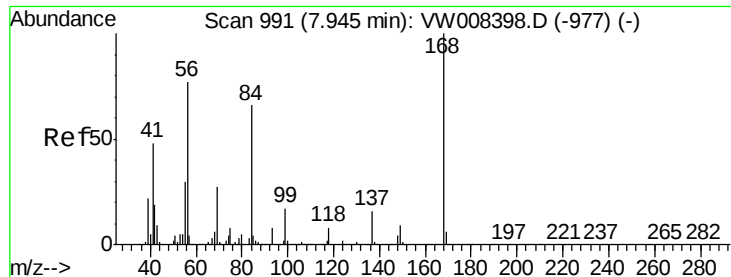
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008440.D

Acq: 28 Jan 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

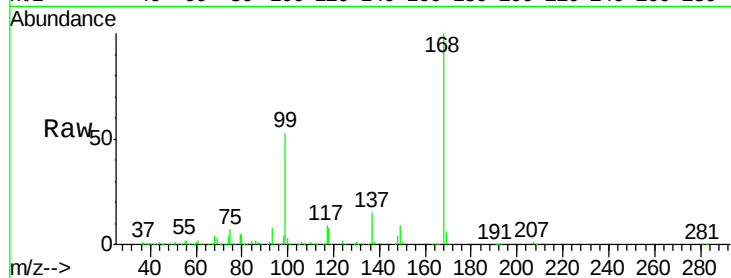
TR-05-012819RE

Tgt Ion:168 Resp: 427785

Ion Ratio Lower Upper

168 100

99 53.3 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

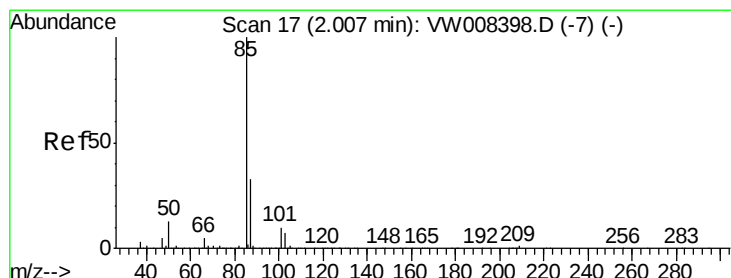
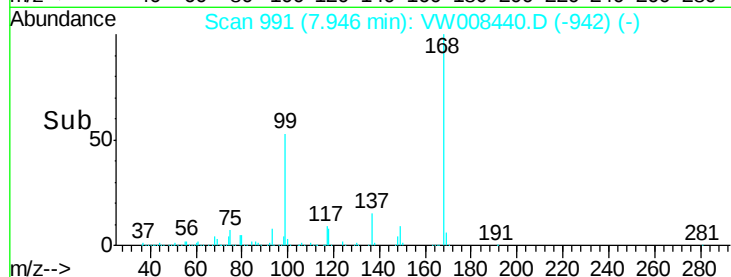
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.322 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008440.D

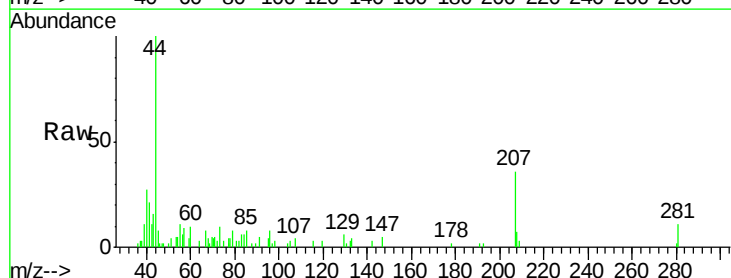
Acq: 28 Jan 2019 16:26

Tgt Ion: 85 Resp: 185

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

2.00

300

250

200

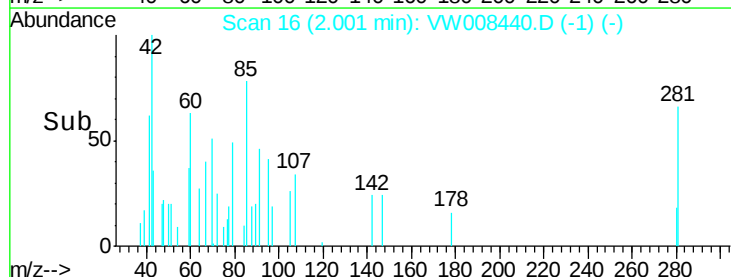
150

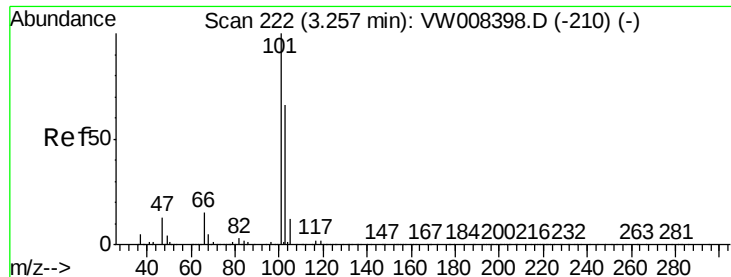
100

50

0

Time-->



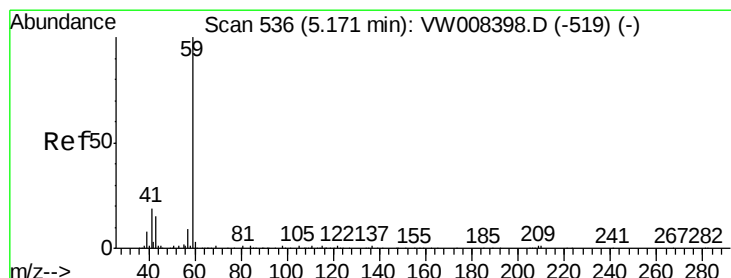
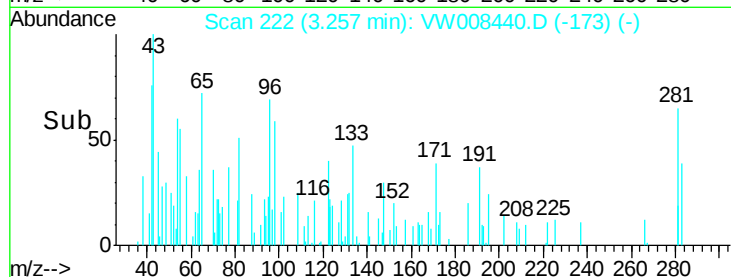
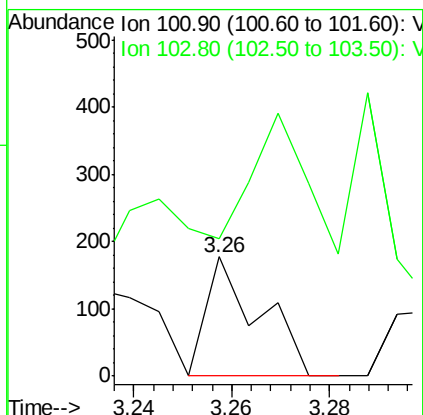
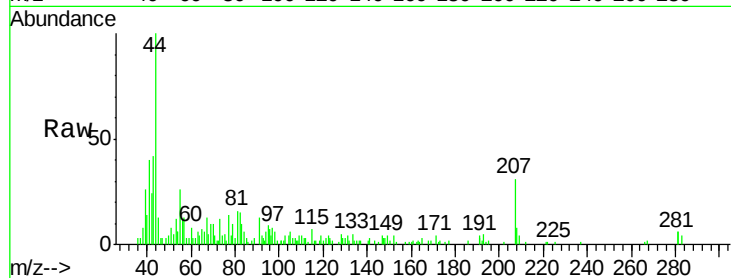


#7

Trichlorofluoromethane
 Concen: 4.756 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008440.D
 Acq: 28 Jan 2019 16:26

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-012819RE

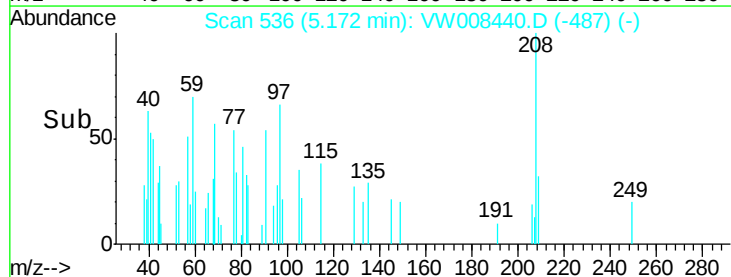
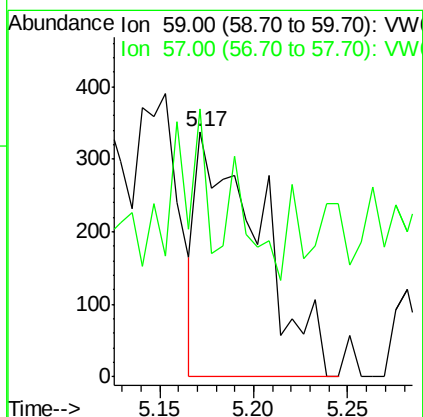
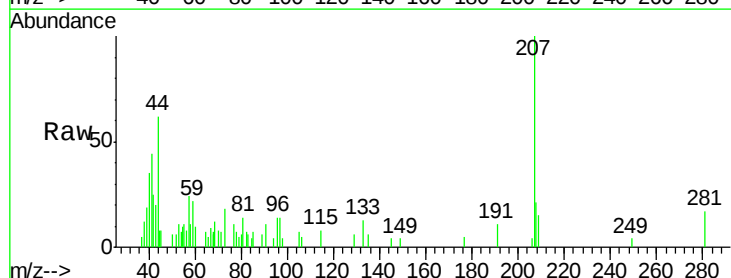
Tgt Ion: 101 Resp: 132
 Ion Ratio Lower Upper
 101 100
 103 13.0 52.5 78.7#

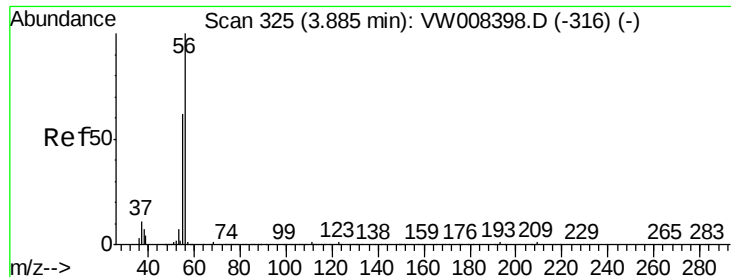


#11

Tert butyl alcohol
 Concen: 2.299 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW008440.D
 Acq: 28 Jan 2019 16:26

Tgt Ion: 59 Resp: 778
 Ion Ratio Lower Upper
 59 100
 57 28.9 9.3 13.9#





#13

Acrolein

Concen: 6.086 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008440.D

Acq: 28 Jan 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

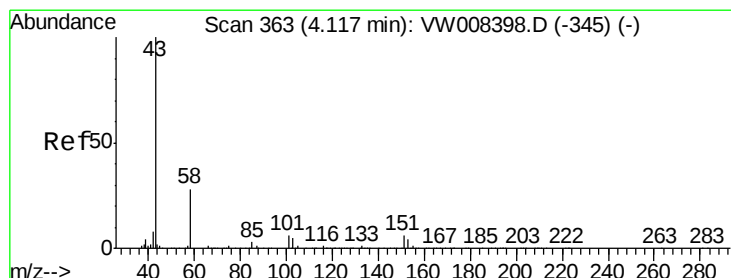
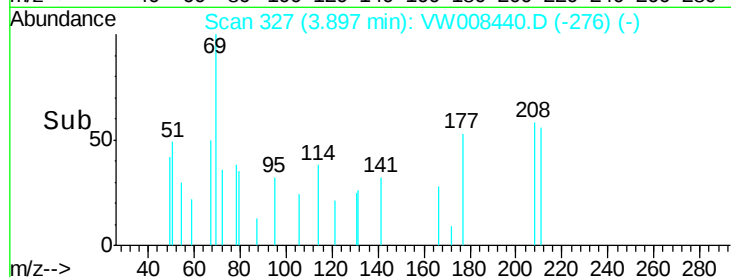
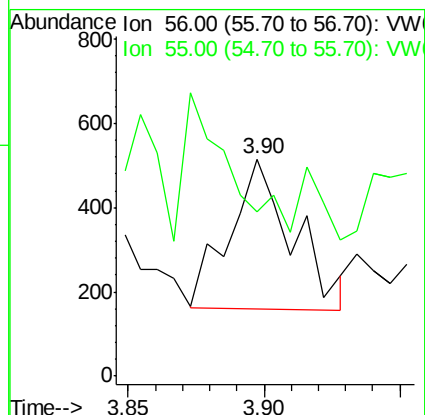
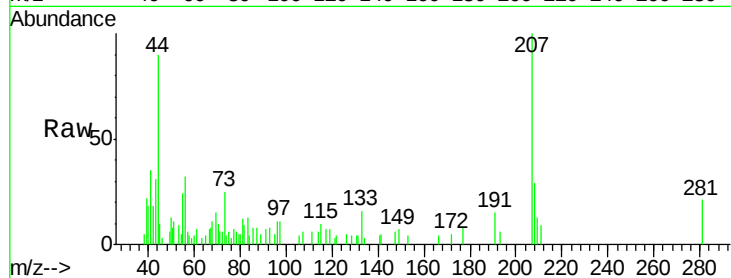
TR-05-012819RE

Tgt Ion: 56 Resp: 577

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 37.854 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008440.D

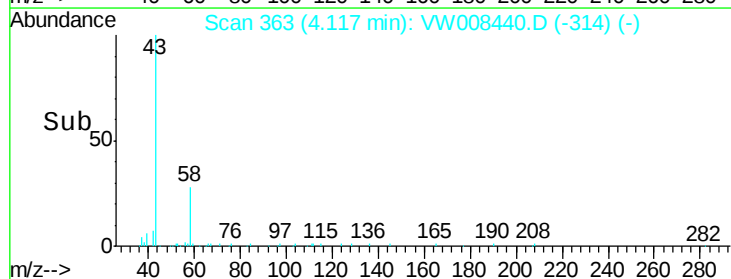
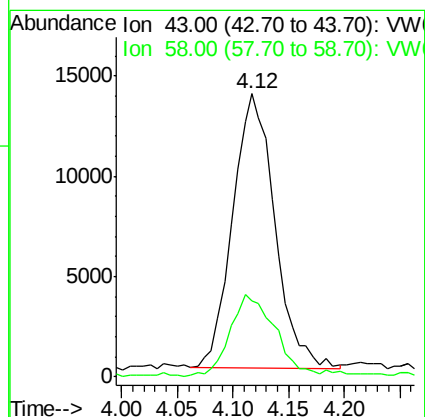
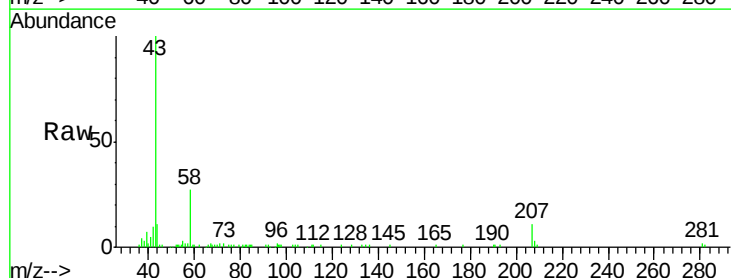
Acq: 28 Jan 2019 16:26

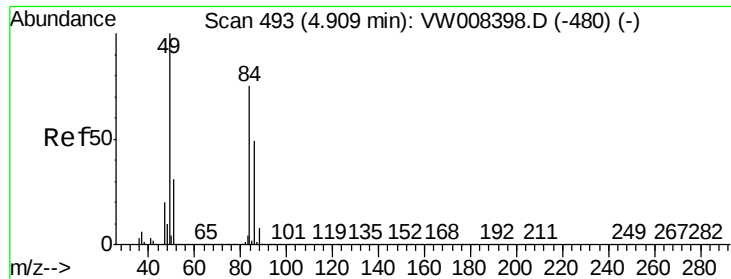
Tgt Ion: 43 Resp: 35725

Ion Ratio Lower Upper

43 100

58 27.2 22.6 34.0

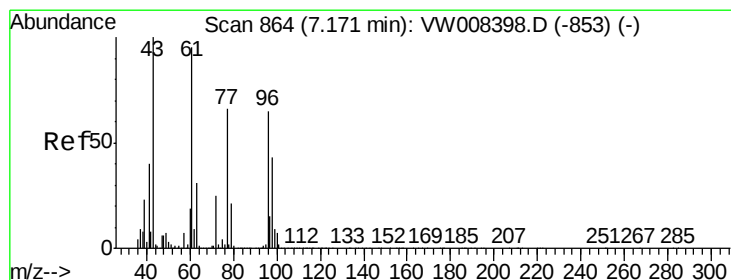
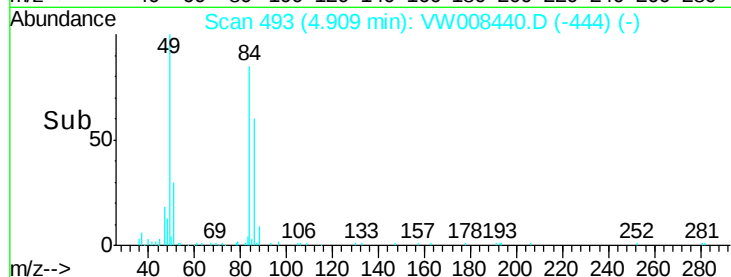
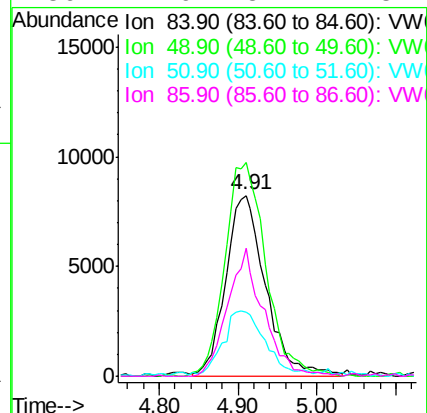
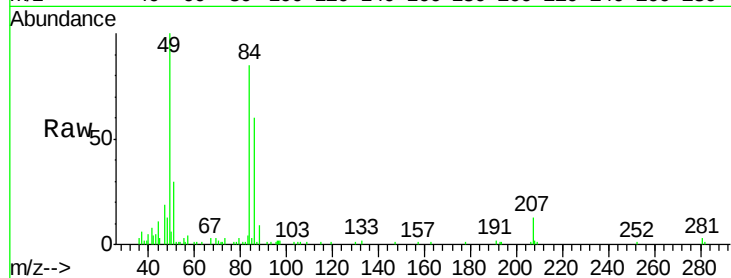




#20
Methylene Chloride
Concen: 6.663 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008440.D
Acq: 28 Jan 2019 16:26

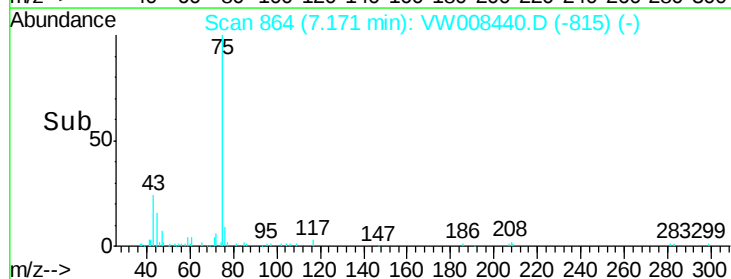
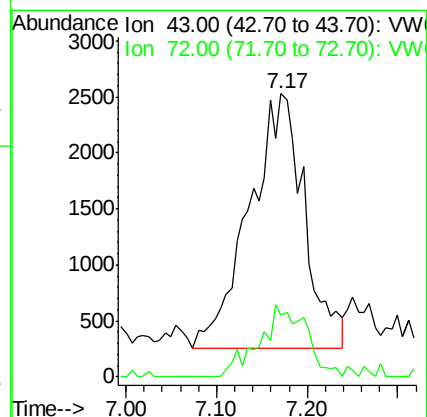
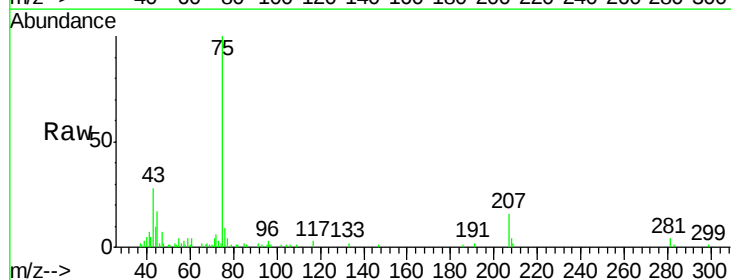
Instrument :
MSVOA_W
ClientSampleId :
TR-05-012819RE

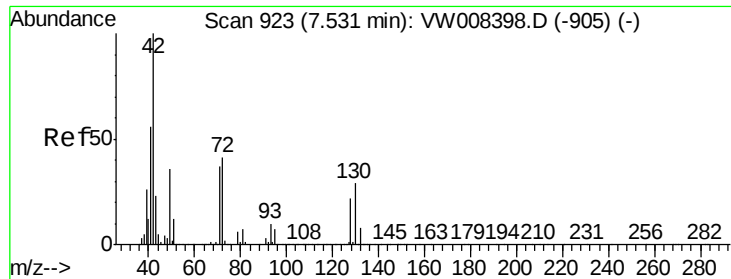
Tgt Ion:	84	Resp:	28982
Ion	Ratio	Lower	Upper
84	100		
49	119.9	106.8	160.2
51	34.3	32.9	49.3
86	71.9	52.2	78.2



#25
2-Butanone
Concen: 7.283 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008440.D
Acq: 28 Jan 2019 16:26

Tgt Ion:	43	Resp:	9547
Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1

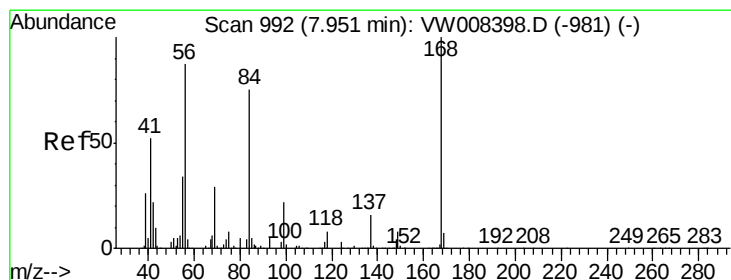
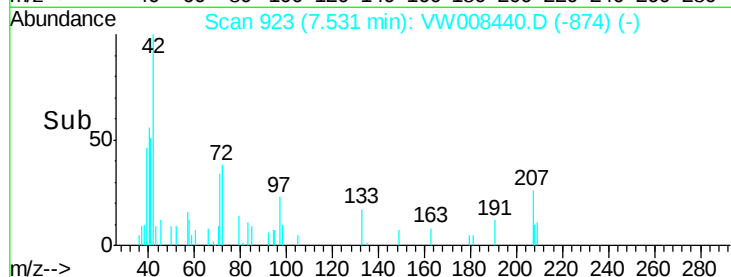
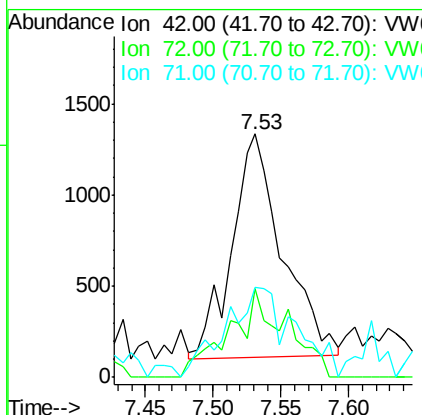
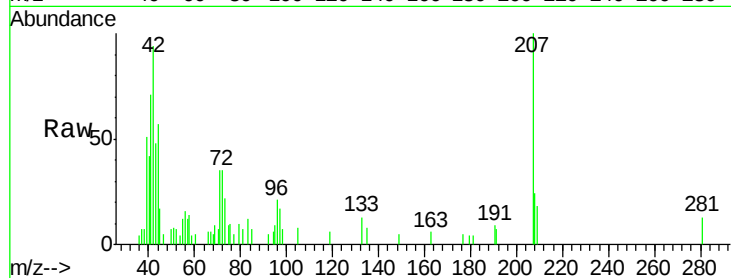




#29
Tetrahydrofuran
Concen: 3.809 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008440.D
Acq: 28 Jan 2019 16:26

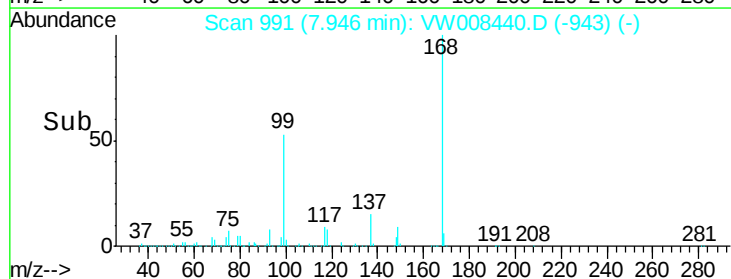
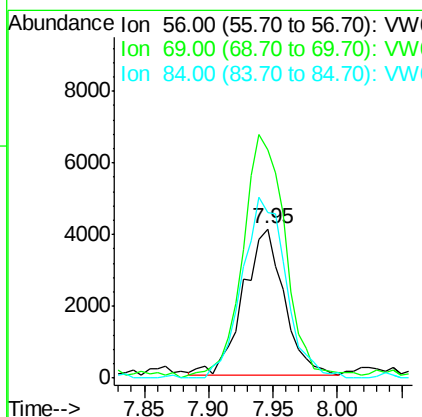
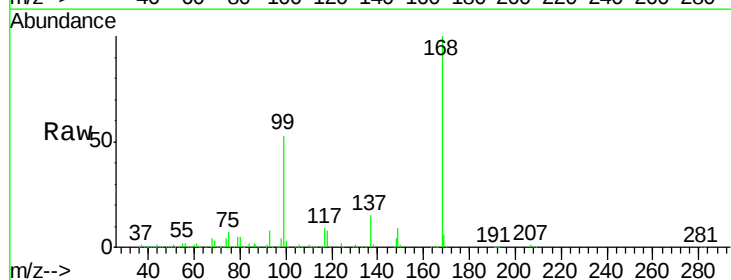
Instrument :
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ClientSampleId :
TR-05-012819RE

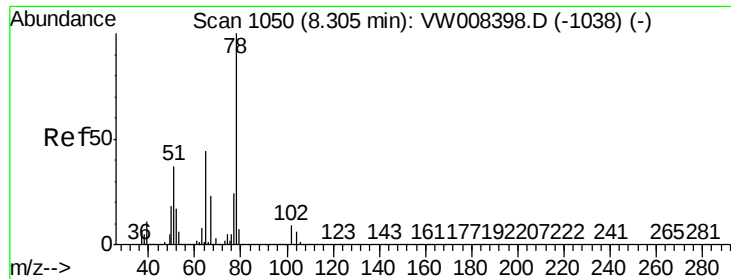
Tgt Ion: 42 Resp: 3164
Ion Ratio Lower Upper
42 100
72 45.1 31.9 47.9
71 55.0 29.9 44.9#



#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008440.D
Acq: 28 Jan 2019 16:26

Tgt Ion: 56 Resp: 8946
Ion Ratio Lower Upper
56 100
69 155.2 26.4 39.6#
84 114.2 69.1 103.7#





#33

1,2-Dichloroethane-d4

Concen: 53.081 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008440.D

Acq: 28 Jan 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

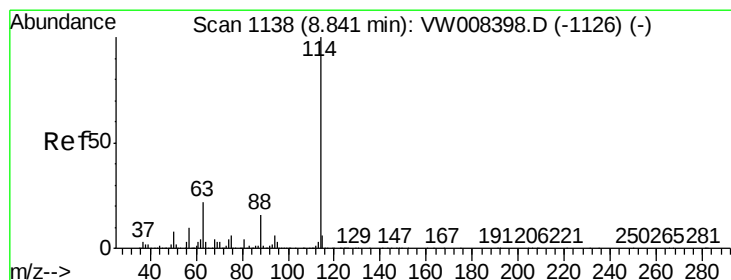
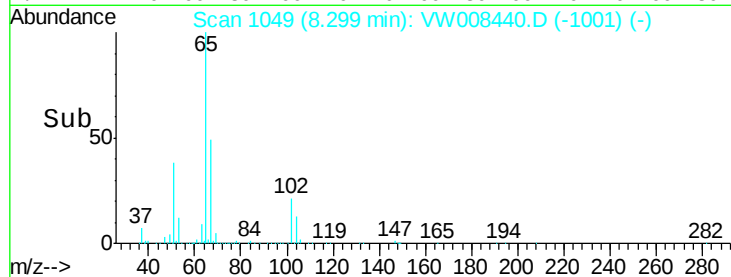
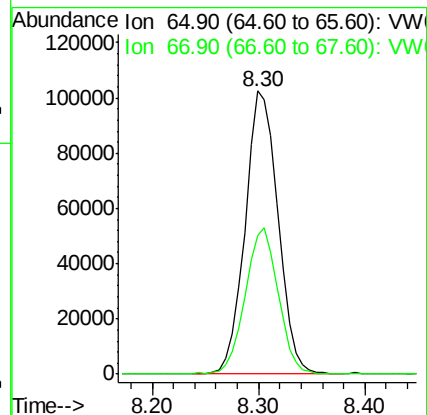
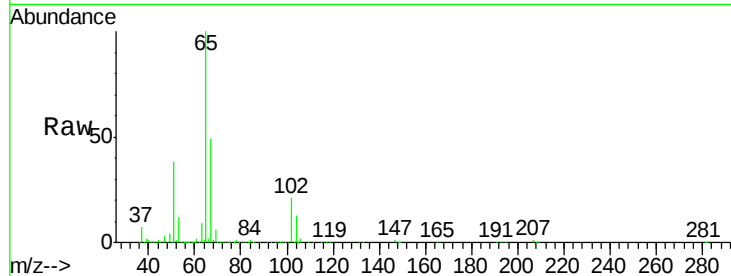
TR-05-012819RE

Tgt Ion: 65 Resp: 223077

Ion Ratio Lower Upper

65 100

67 52.2 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: VW008440.D

Acq: 28 Jan 2019 16:26

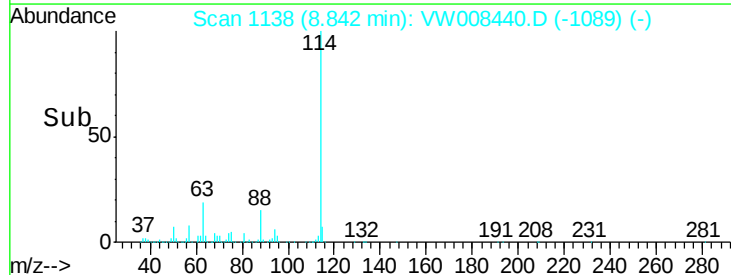
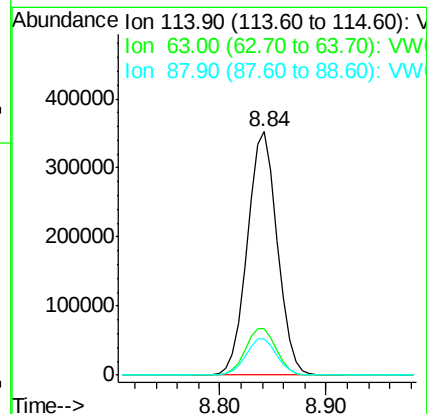
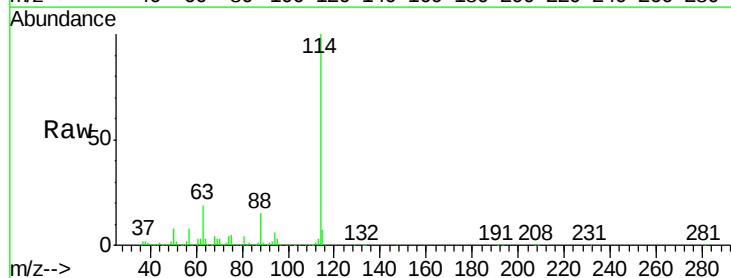
Tgt Ion: 114 Resp: 696045

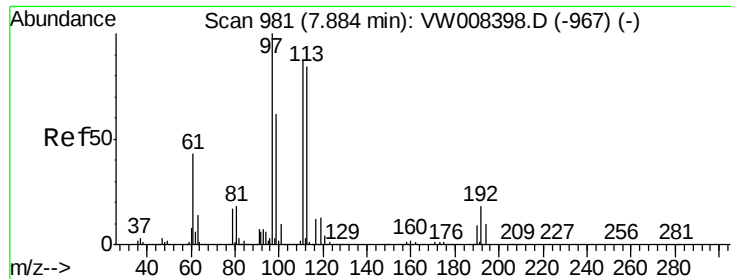
Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.6

88 15.0 0.0 31.8

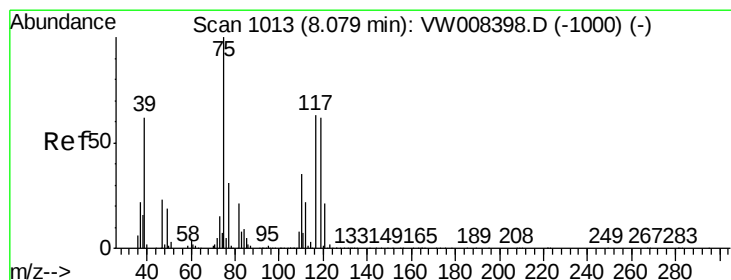
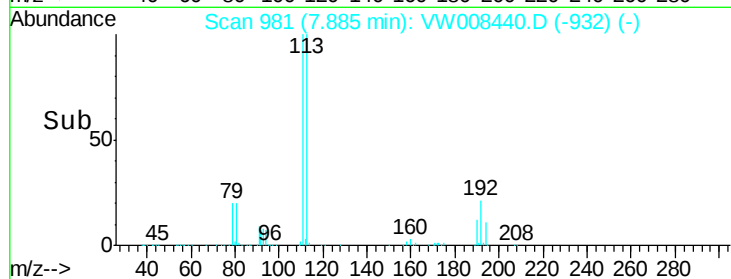
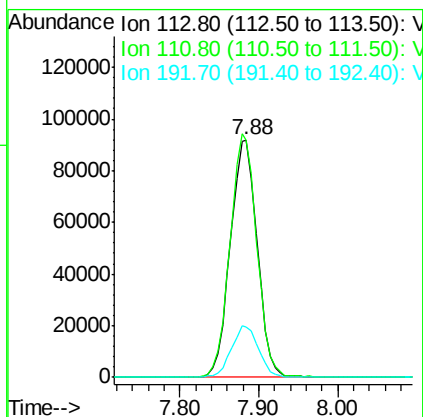
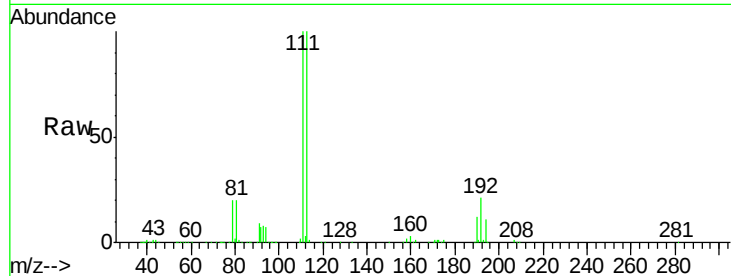




#35
 Dibromofluoromethane
 Concen: 53.603 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008440.D
 Acq: 28 Jan 2019 16:26

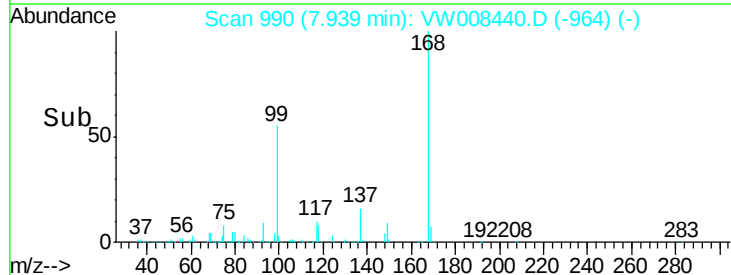
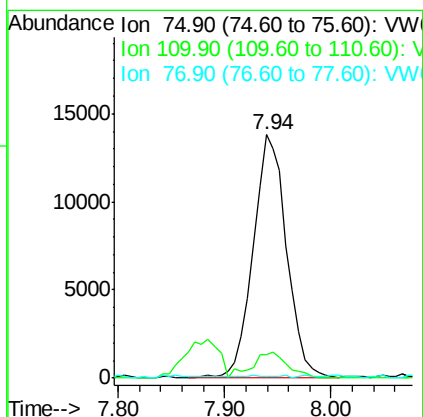
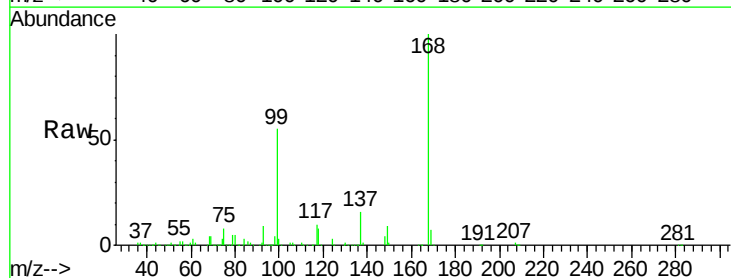
Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-012819RE

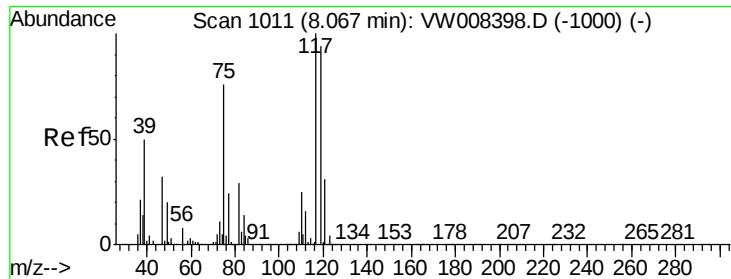
Tgt Ion:113 Resp: 218164
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.0 121.4
 192 22.0 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.621 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008440.D
 Acq: 28 Jan 2019 16:26

Tgt Ion: 75 Resp: 30383
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.3 52.0#
 77 0.5 24.7 37.1#

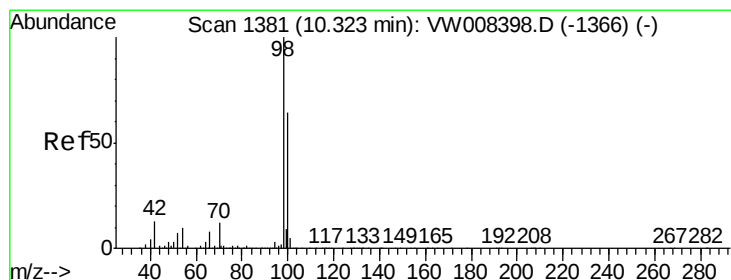
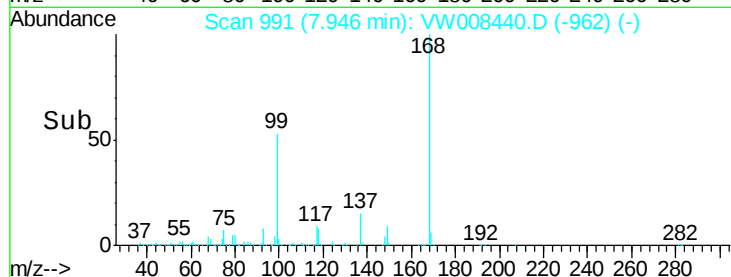
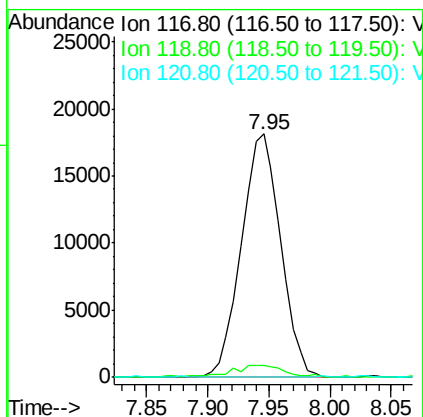
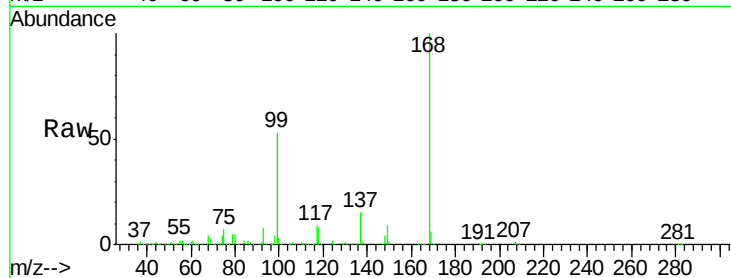




#38
Carbon Tetrachloride
Concen: 6.110 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008440.D
Acq: 28 Jan 2019 16:26

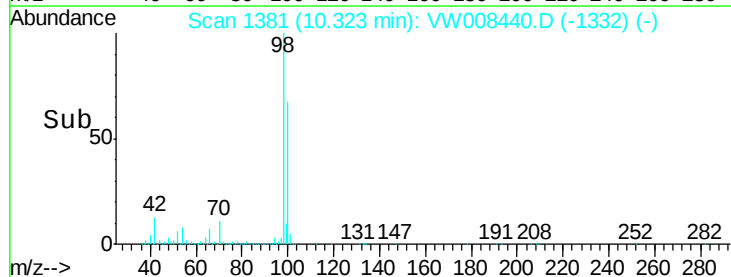
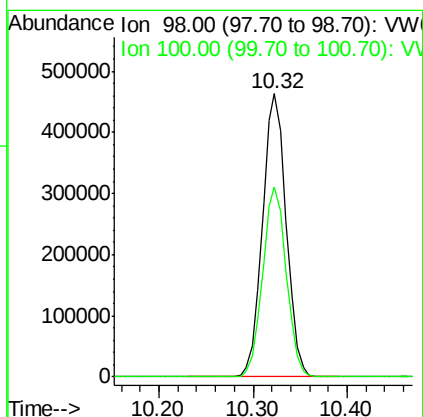
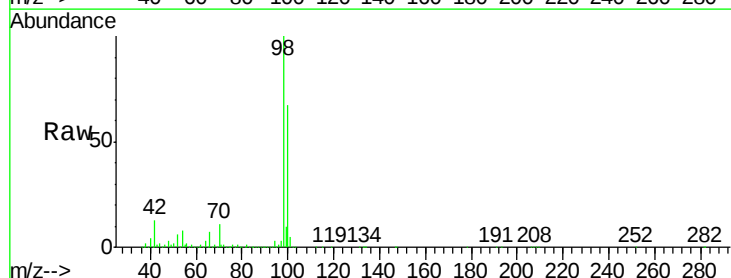
Instrument :
MSVOA_W
ClientSampleId :
TR-05-012819RE

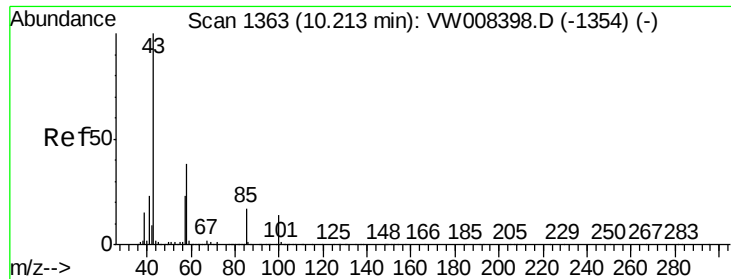
Tgt Ion:117 Resp: 40427
Ion Ratio Lower Upper
117 100
119 4.3 75.0 112.4#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 50.237 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008440.D
Acq: 28 Jan 2019 16:26

Tgt Ion: 98 Resp: 819907
Ion Ratio Lower Upper
98 100
100 67.1 52.6 78.8

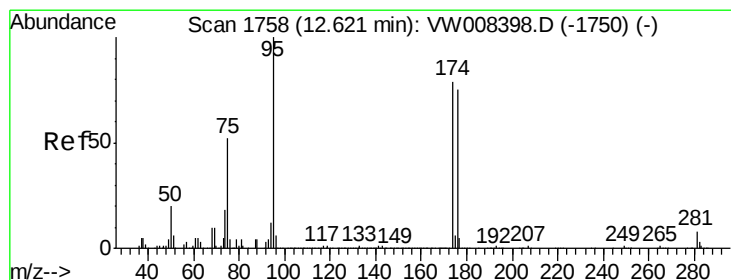
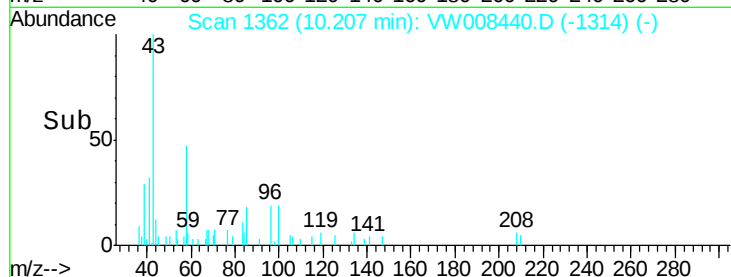
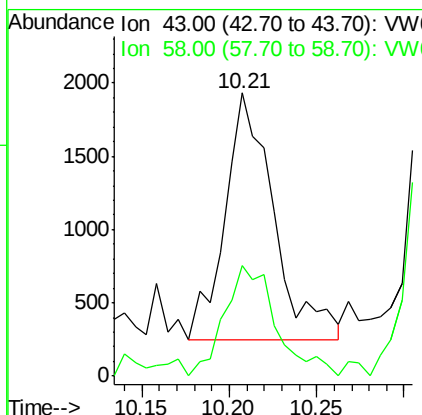
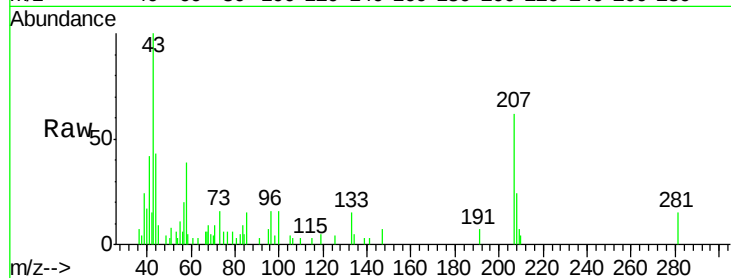




#51
4-Methyl-2-Pentanone
Concen: 1.097 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008440.D
Acq: 28 Jan 2019 16:26

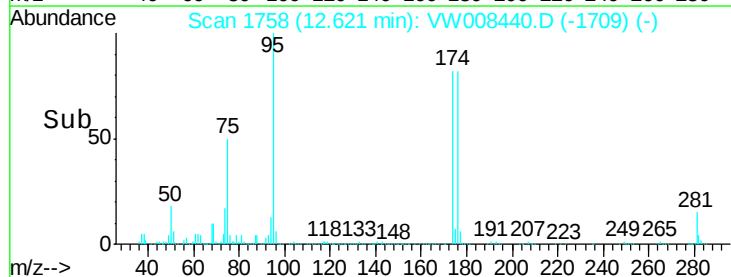
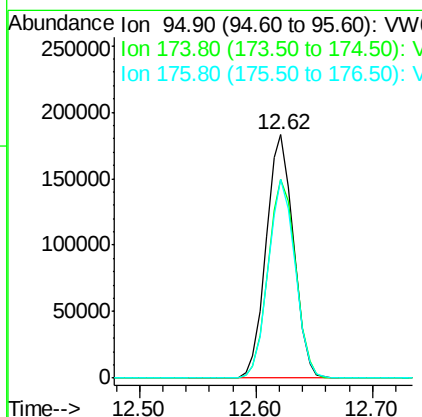
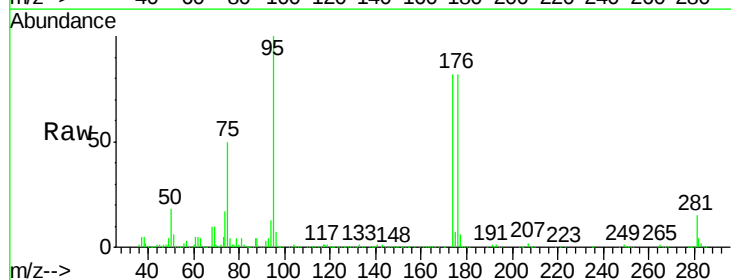
Instrument :
MSVOA_W
ClientSampleId :
TR-05-012819RE

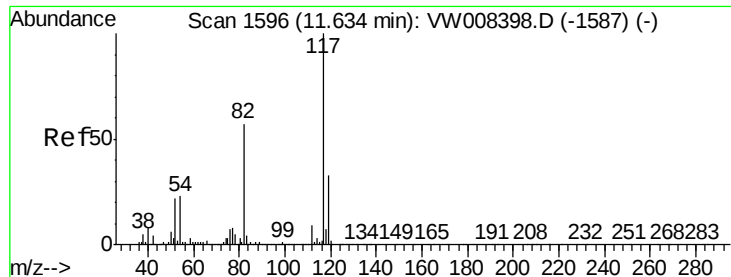
Tgt Ion: 43 Resp: 3274
Ion Ratio Lower Upper
43 100
58 47.3 29.7 44.5#



#62
4-Bromofluorobenzene
Concen: 47.107 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008440.D
Acq: 28 Jan 2019 16:26

Tgt Ion: 95 Resp: 295523
Ion Ratio Lower Upper
95 100
174 82.4 0.0 157.6
176 80.5 0.0 151.8

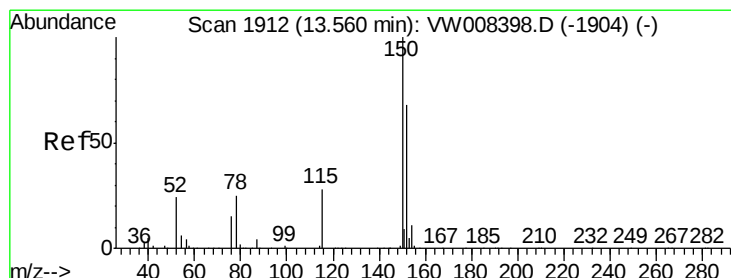
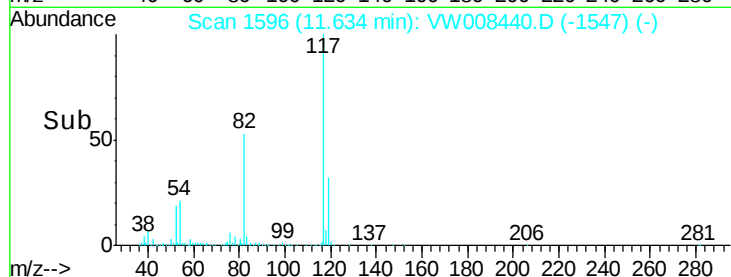
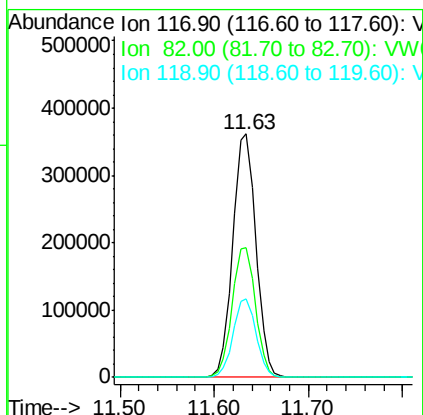
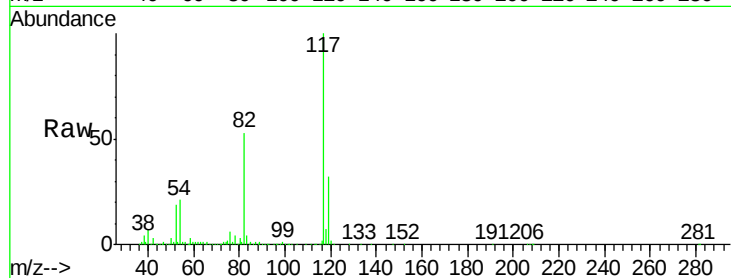




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008440.D
Acq: 28 Jan 2019 16:26

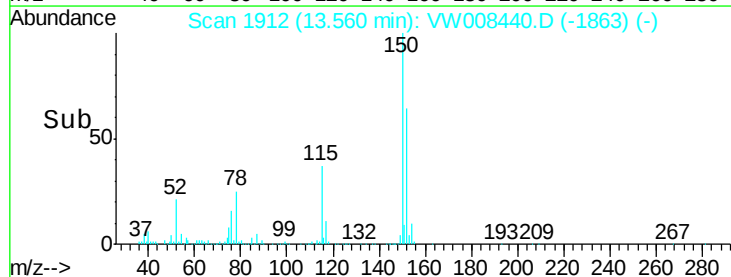
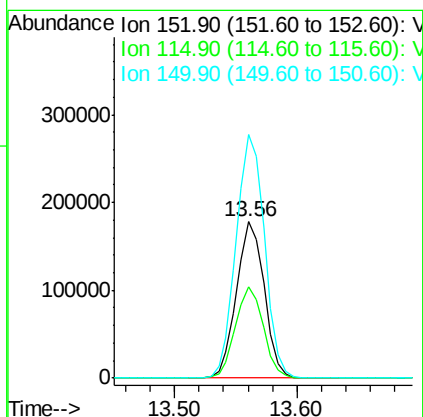
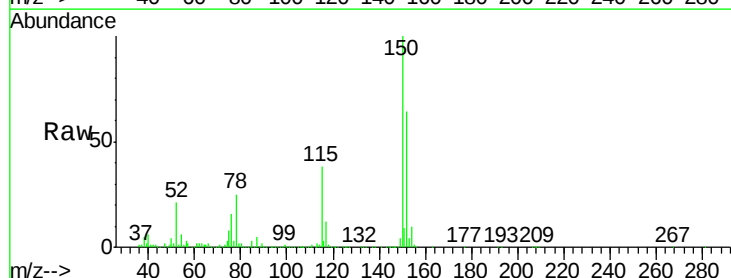
Instrument :
MSVOA_W
ClientSampleId :
TR-05-012819RE

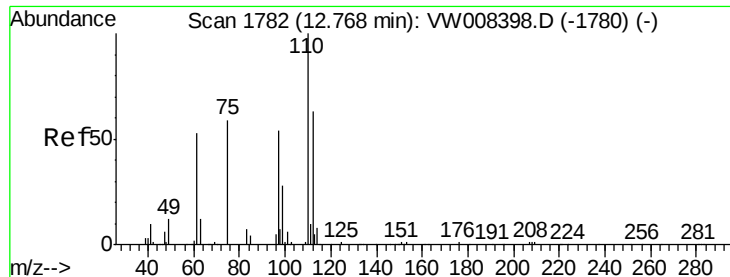
Tgt Ion:117 Resp: 617507
Ion Ratio Lower Upper
117 100
82 53.1 45.4 68.0
119 32.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008440.D
Acq: 28 Jan 2019 16:26

Tgt Ion:152 Resp: 280244
Ion Ratio Lower Upper
152 100
115 58.7 29.9 89.7
150 159.2 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 61.254 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008440.D

Acq: 28 Jan 2019 16:26

Instrument :

MSVOA_W

ClientSampled :

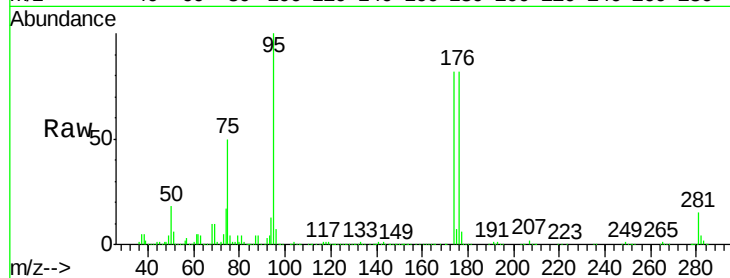
TR-05-012819RE

Tgt Ion: 75 Resp: 149247

Ion Ratio Lower Upper

75 100

77 1.2 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

100000

80000

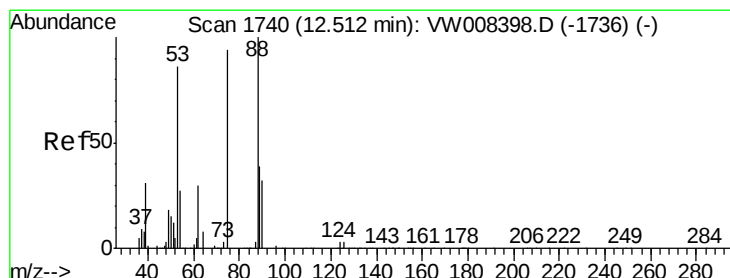
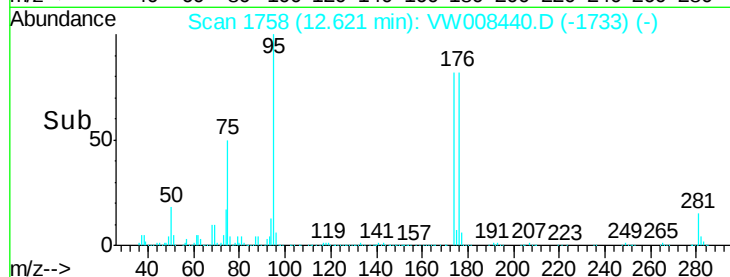
60000

40000

20000

0

Time--> 12.50 12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 120.982 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008440.D

Acq: 28 Jan 2019 16:26

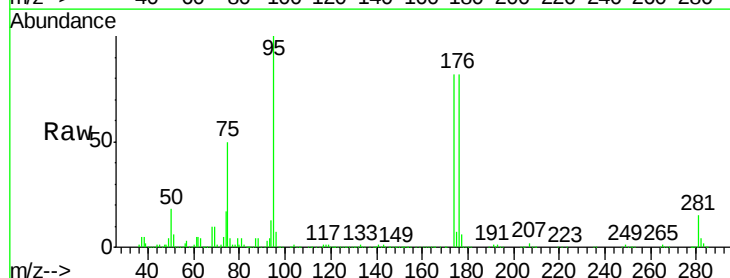
Tgt Ion: 75 Resp: 149247

Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.3 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

12.62

120000

100000

80000

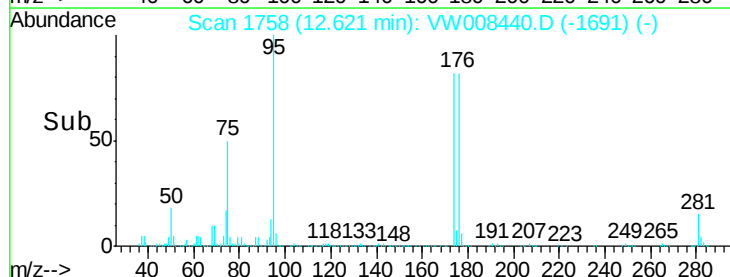
60000

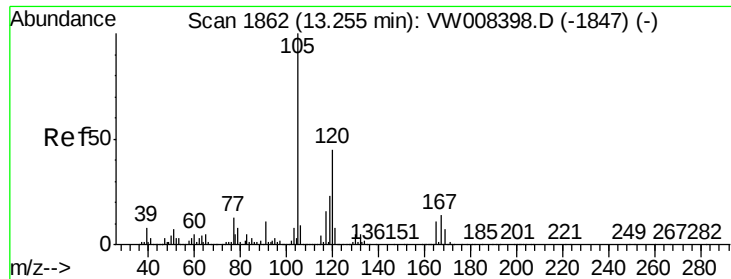
40000

20000

0

Time--> 12.50 12.60 12.70





#84

1,2,4-Trimethylbenzene

Concen: 2.155 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008440.D

Acq: 28 Jan 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

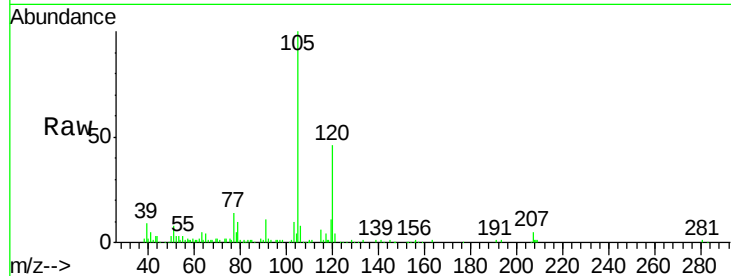
TR-05-012819RE

Tgt Ion:105 Resp: 38248

Ion Ratio Lower Upper

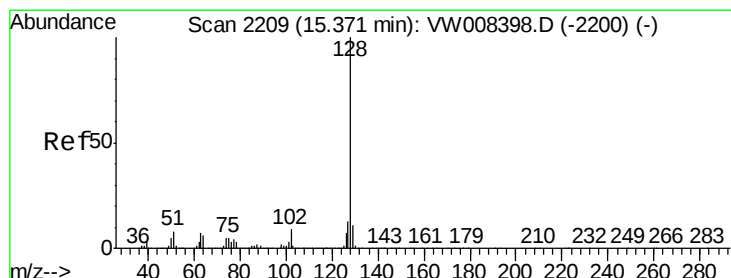
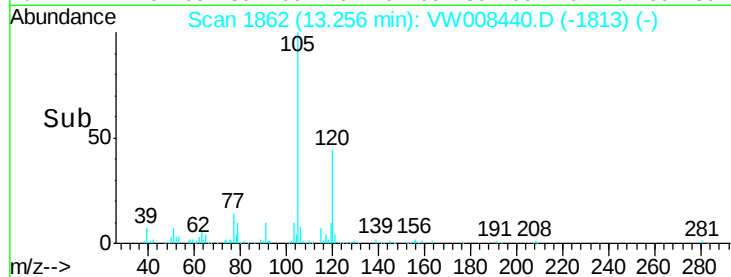
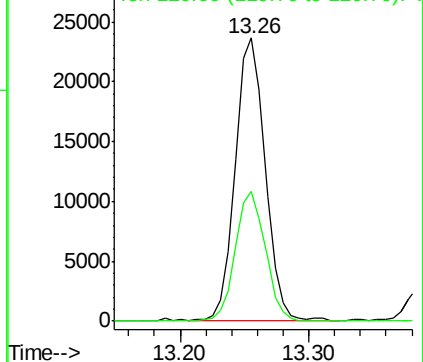
105 100

120 45.7 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 1.457 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008440.D

Acq: 28 Jan 2019 16:26

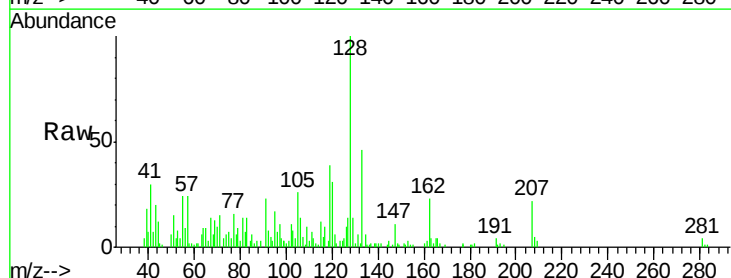
Tgt Ion:128 Resp: 14881

Ion Ratio Lower Upper

128 100

127 11.9 10.6 15.8

129 9.2 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

