

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021419\
 Data File : VW008663.D
 Acq On : 14 Feb 2019 13:53
 Operator : SY/VA
 Sample : K1350-05RE
 Misc : 8.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-021319-A

Quant Time: Feb 15 02:48:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	406792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	612934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	499889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	201887	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	213072	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
35) Dibromofluoromethane	7.88	113	191604	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
50) Toluene-d8	10.32	98	708560	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.62	95	224268	40.58	ug/l	0.00
Spiked Amount			Recovery	=	81.16%	

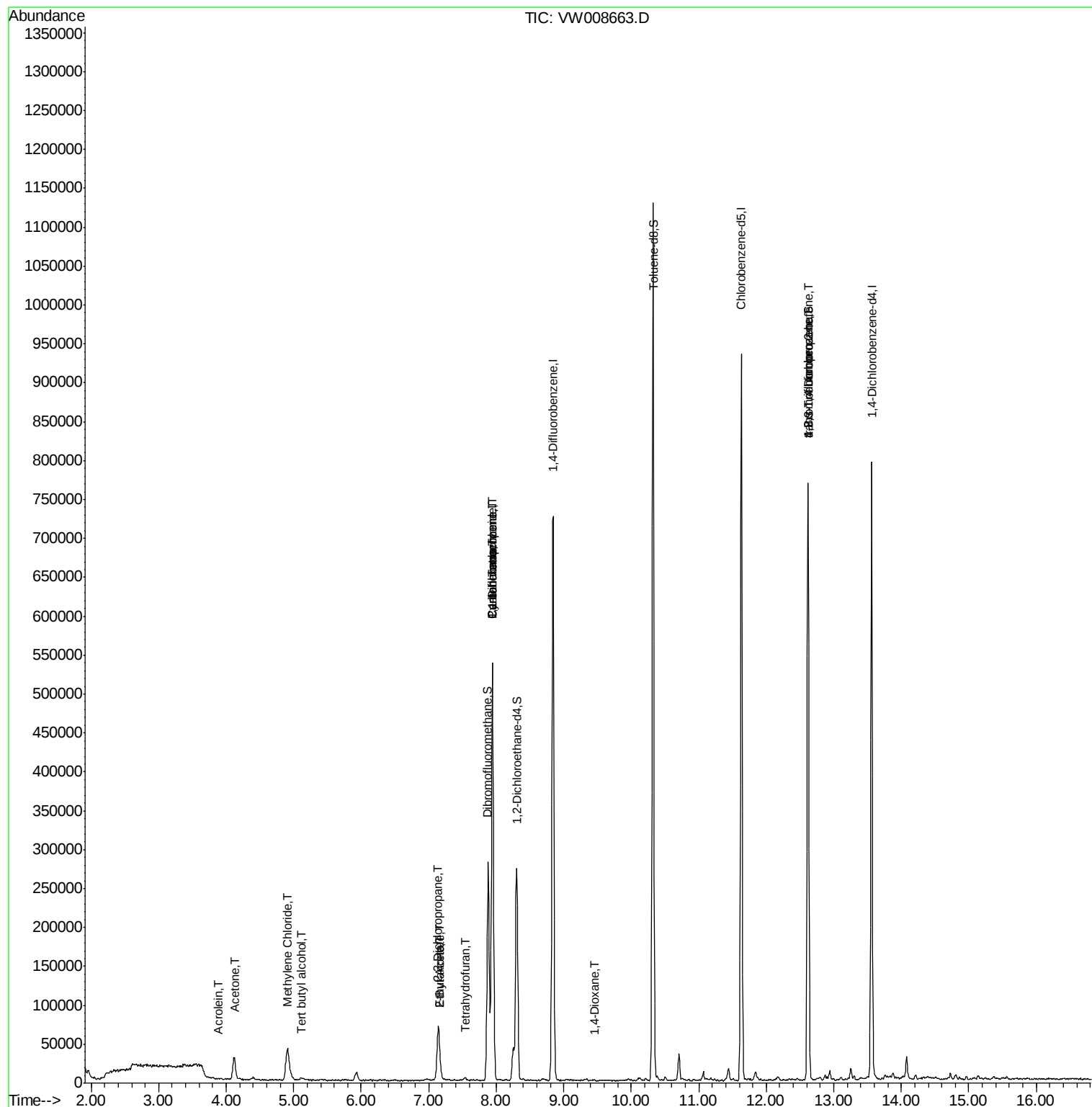
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	1410	4.167	ug/l #	83
13) Acrolein	3.89	56	350	1.004	ug/l	83
16) Acetone	4.12	43	52218	54.260	ug/l	99
20) Methylene Chloride	4.90	84	35246	1.260	ug/l	90
25) 2-Butanone	7.17	43	8605	6.332	ug/l	95
26) 2,2-Dichloropropane	7.14	77	5089	1.063	ug/l #	52
29) Tetrahydrofuran	7.54	42	2978	3.325	ug/l	99
31) Cyclohexane	7.95	56	9069	1.173	ug/l #	30
36) 1,1-Dichloropropene	7.94	75	29808	4.841	ug/l #	50
37) Ethyl Acetate	7.17	43	8605	2.897	ug/l #	71
38) Carbon Tetrachloride	7.95	117	39025	6.373	ug/l #	17
49) 1,4-Dioxane	9.45	88	39	1.066	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	114422	57.397	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	114422	122.690	ug/l #	6

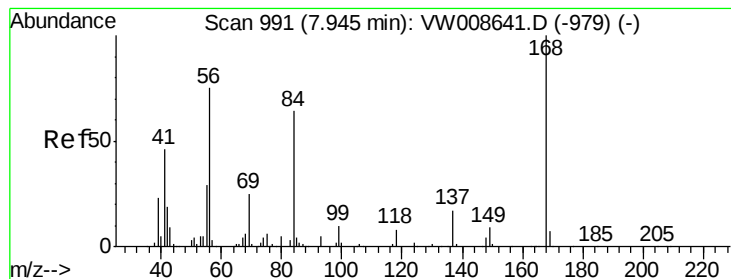
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008663.D

Acq: 14 Feb 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

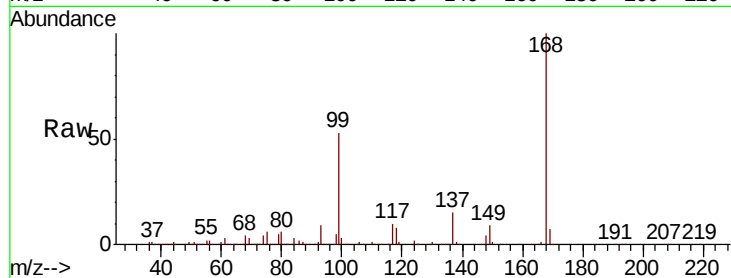
EO-02-021319-A

Tgt Ion:168 Resp: 406792

Ion Ratio Lower Upper

168 100

99 53.2 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

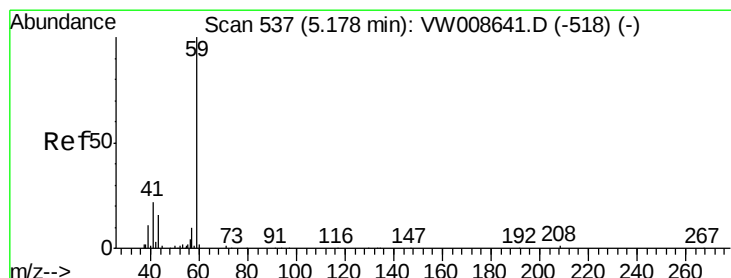
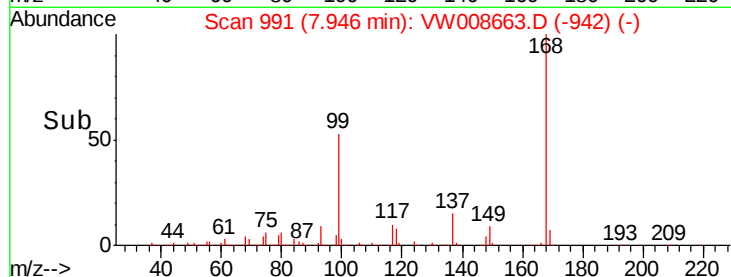
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 4.167 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW008663.D

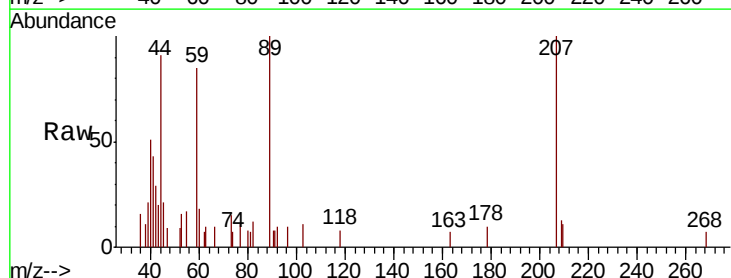
Acq: 14 Feb 2019 13:53

Tgt Ion: 59 Resp: 1410

Ion Ratio Lower Upper

59 100

57 4.2 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

800

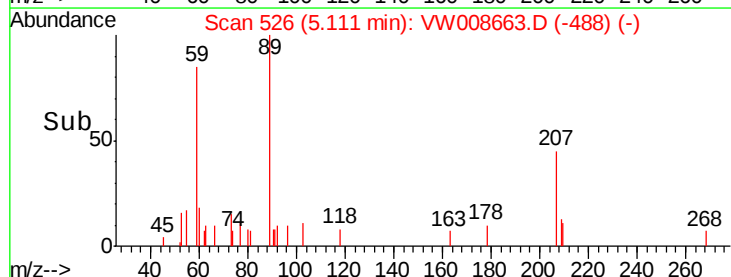
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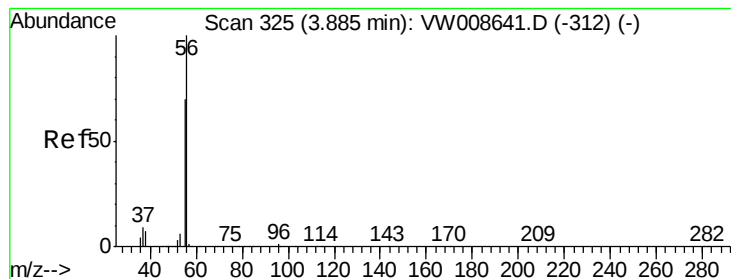
400

200

0

Time--> 5.05 5.10 5.15





#13

Acrolein

Concen: 1.004 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008663.D

Acq: 14 Feb 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

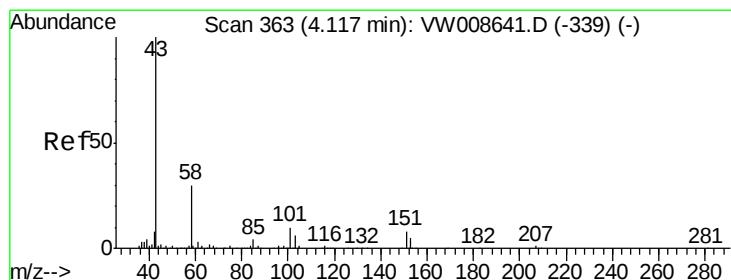
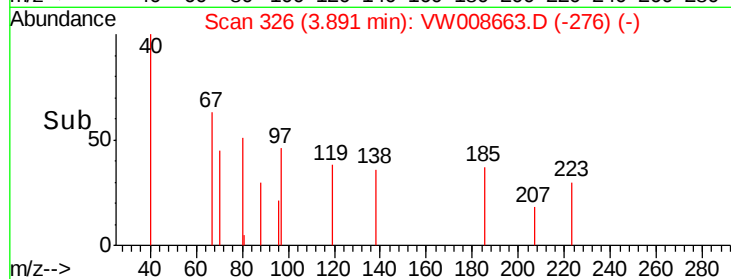
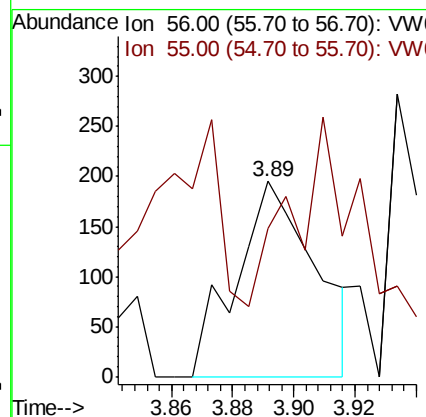
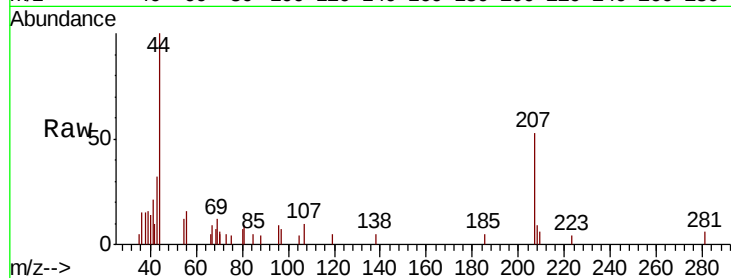
EO-02-021319-A

Tgt Ion: 56 Resp: 350

Ion Ratio Lower Upper

56 100

55 85.7 57.4 86.2



#16

Acetone

Concen: 54.260 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008663.D

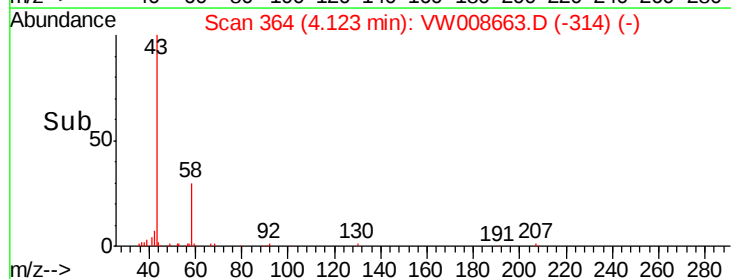
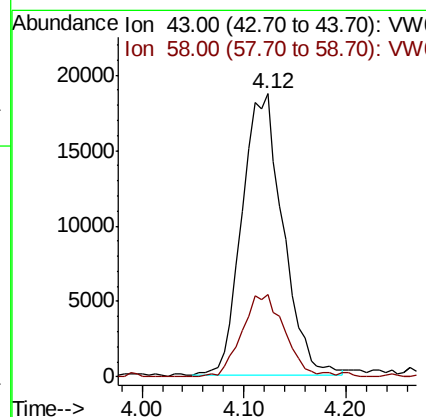
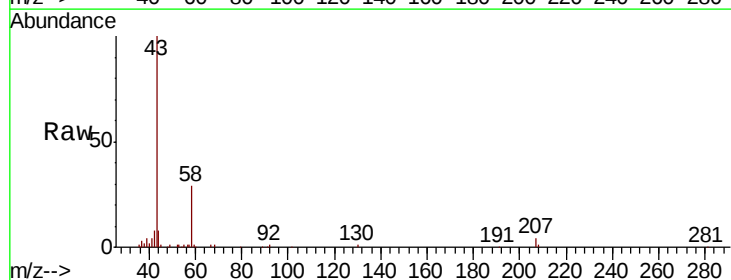
Acq: 14 Feb 2019 13:53

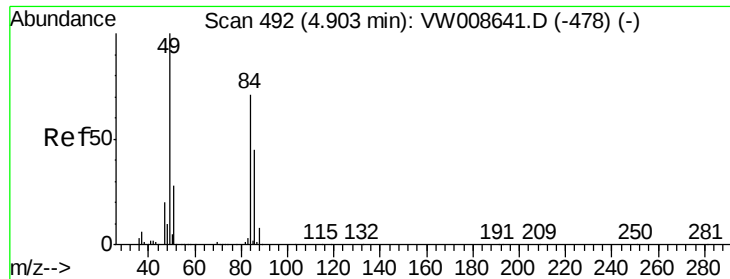
Tgt Ion: 43 Resp: 52218

Ion Ratio Lower Upper

43 100

58 29.3 24.1 36.1

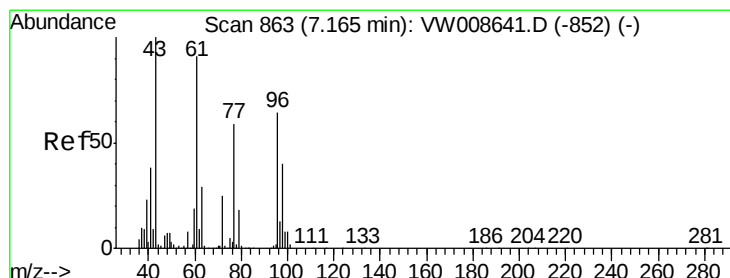
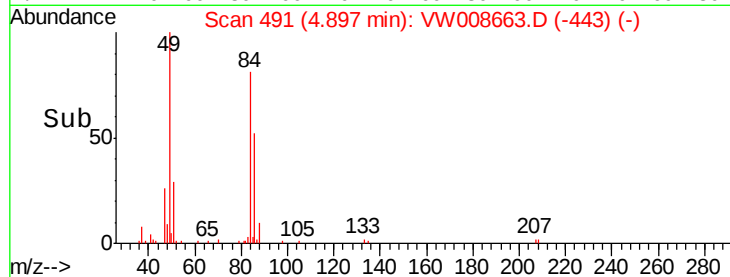
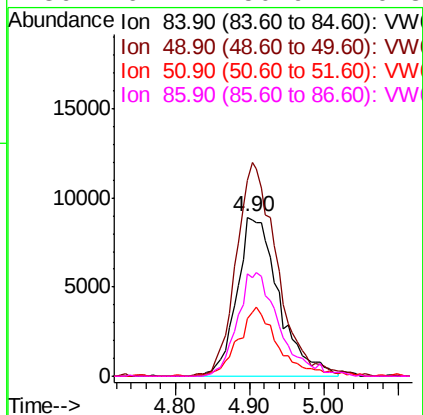
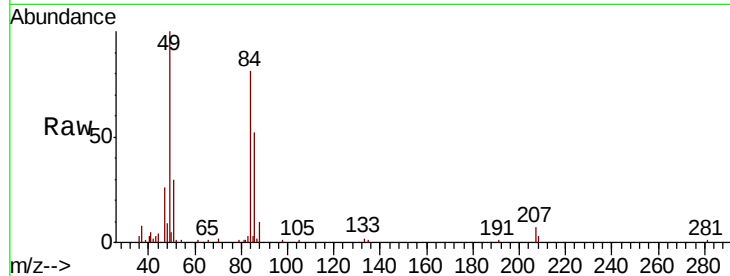




#20
Methylene Chloride
Concen: 1.260 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW008663.D
Acq: 14 Feb 2019 13:53

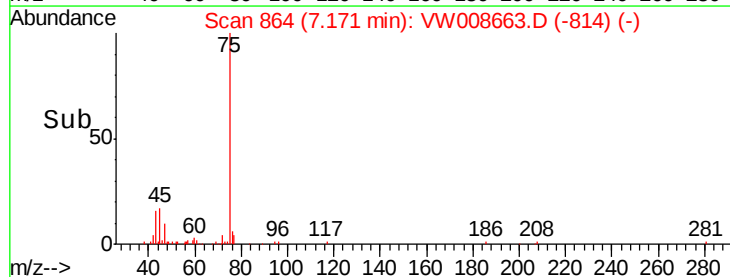
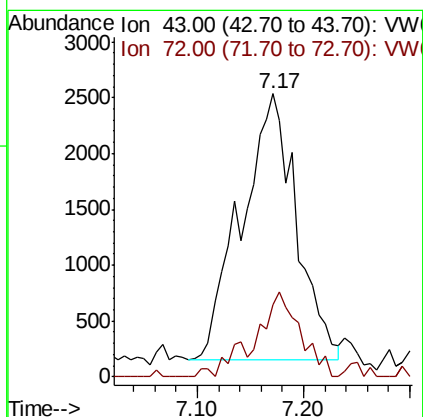
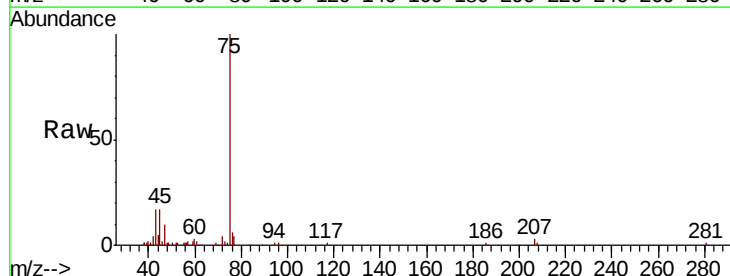
Instrument :
MSVOA_W
ClientSampleId :
EO-02-021319-A

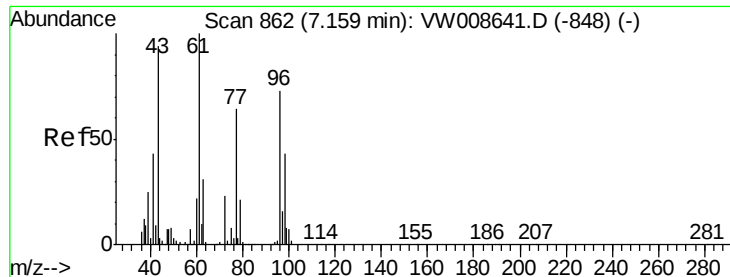
Tgt Ion:	84	Resp:	35246
Ion	Ratio	Lower	Upper
84	100		
49	123.4	113.3	169.9
51	36.6	32.1	48.1
86	64.4	50.9	76.3



#25
2-Butanone
Concen: 6.332 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW008663.D
Acq: 14 Feb 2019 13:53

Tgt Ion:	43	Resp:	8605
Ion	Ratio	Lower	Upper
43	100		
72	27.0	19.7	29.5





#26

2,2-Dichloropropane

Concen: 1.063 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW008663.D

Acq: 14 Feb 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

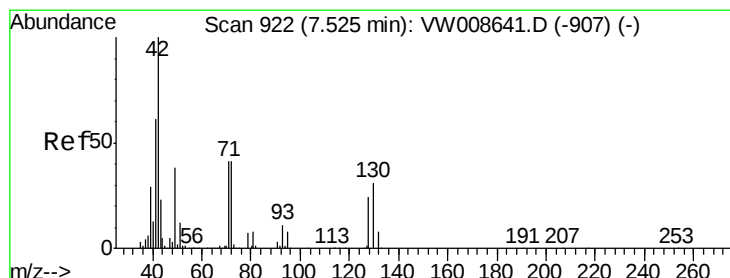
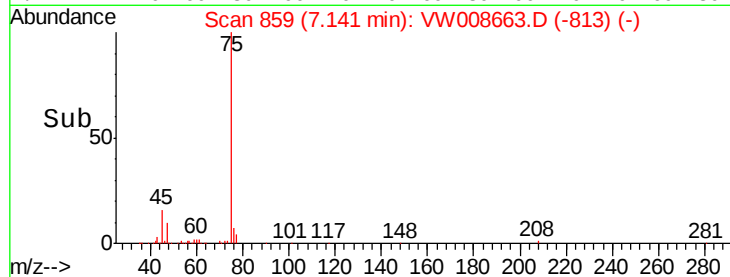
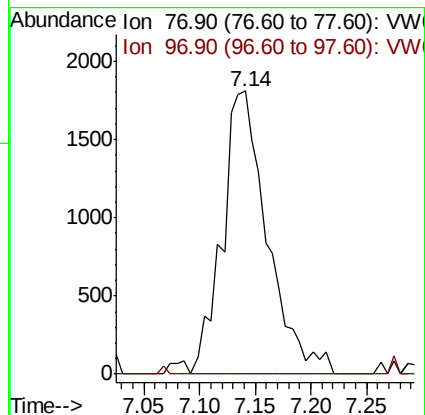
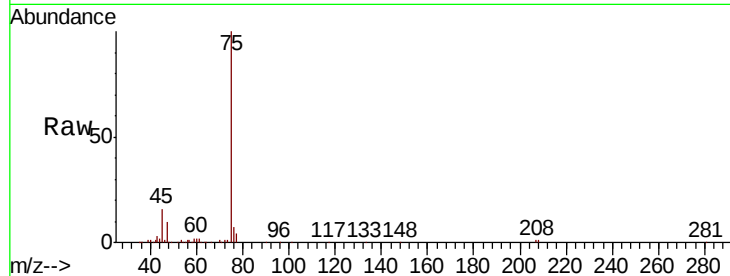
EO-02-021319-A

Tgt Ion: 77 Resp: 5089

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



#29

Tetrahydrofuran

Concen: 3.325 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008663.D

Acq: 14 Feb 2019 13:53

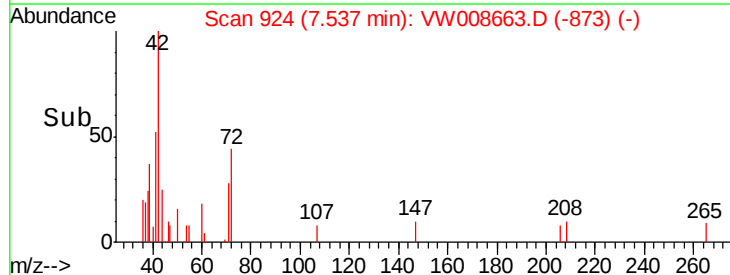
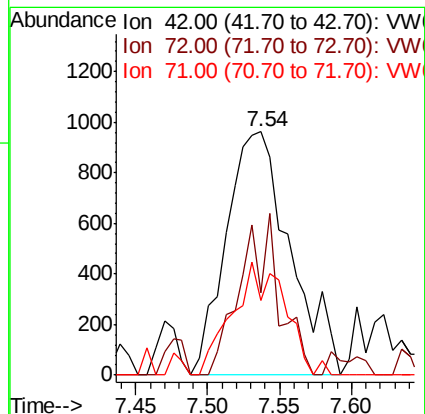
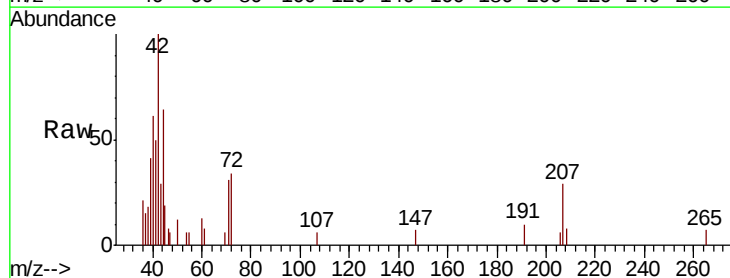
Tgt Ion: 42 Resp: 2978

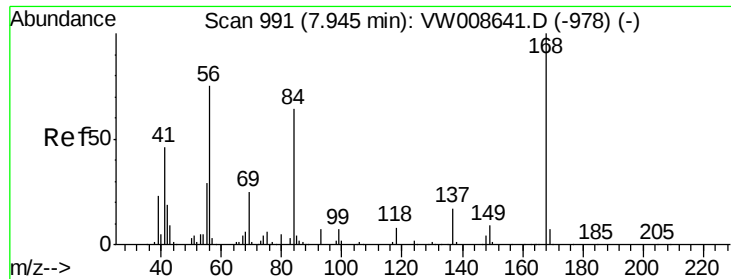
Ion Ratio Lower Upper

42 100

72 39.8 32.2 48.2

71 37.9 31.0 46.6

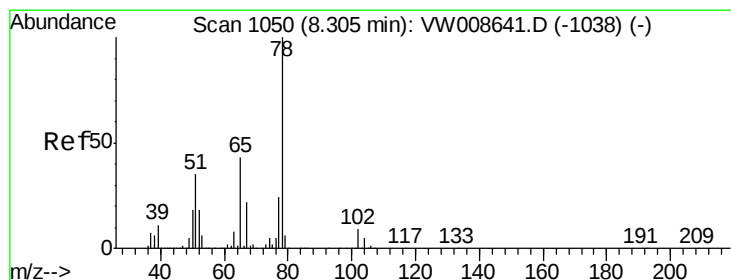
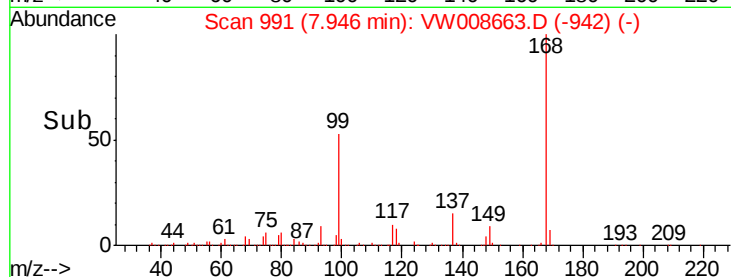
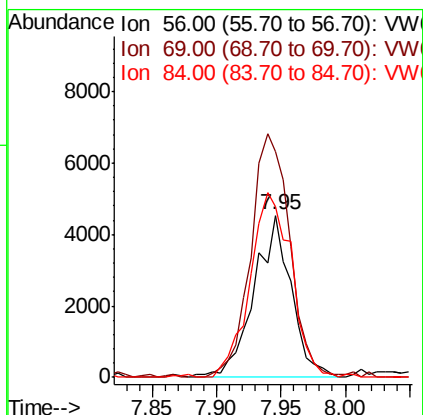
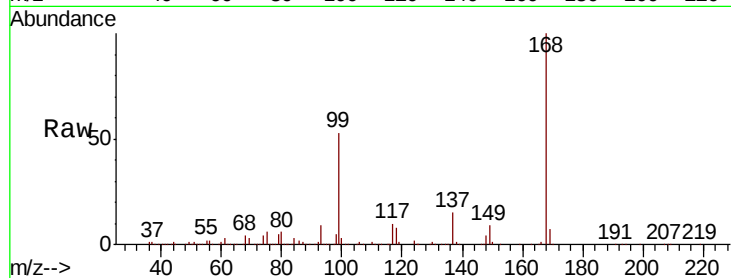




#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.95 min Scan# 991
Delta R.T. 0.00 min
Lab File: VW008663.D
Acq: 14 Feb 2019 13:53

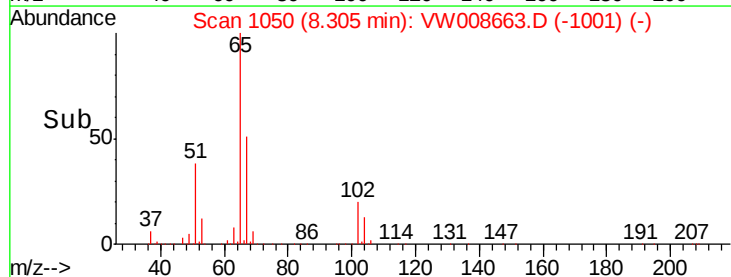
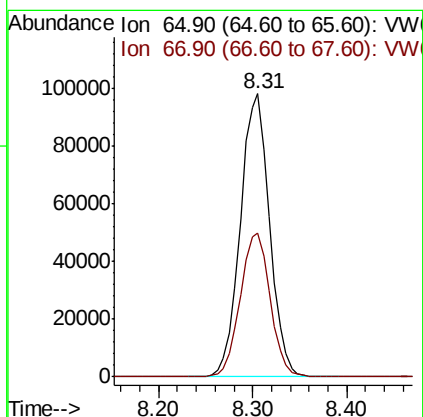
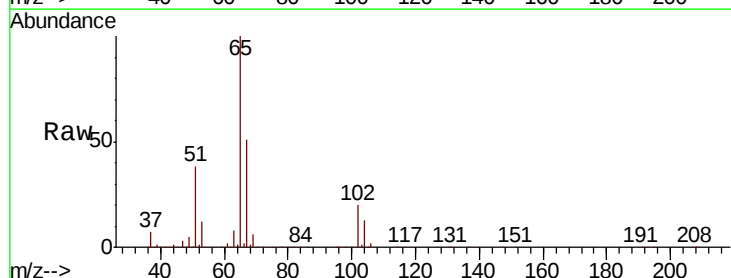
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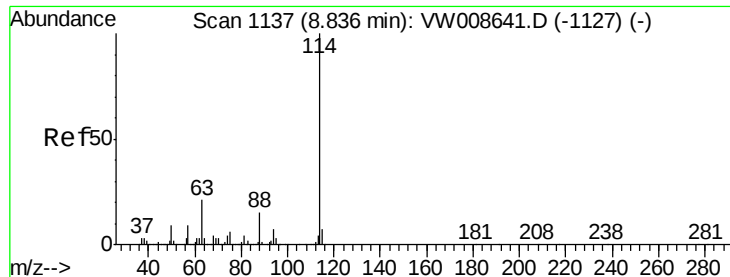
Tgt Ion: 56 Resp: 9069
Ion Ratio Lower Upper
56 100
69 139.1 26.4 39.6#
84 105.5 67.4 101.2#



#33
1,2-Dichloroethane-d4
Concen: 50.382 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008663.D
Acq: 14 Feb 2019 13:53

Tgt Ion: 65 Resp: 213072
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.0

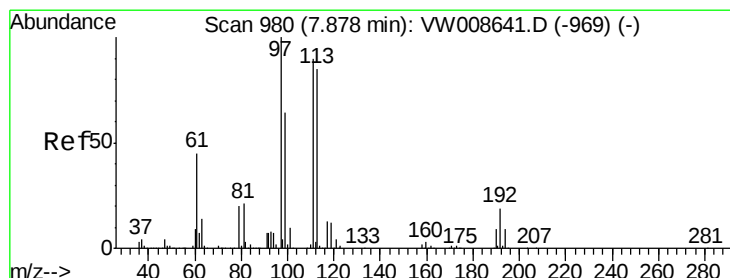
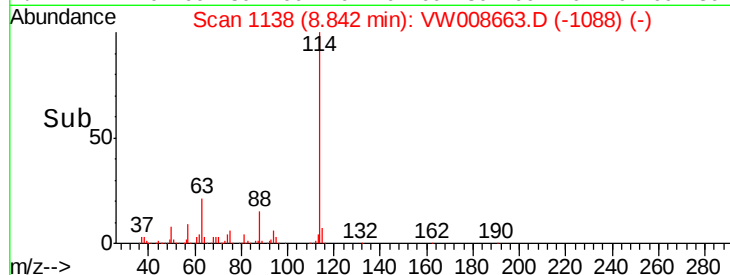
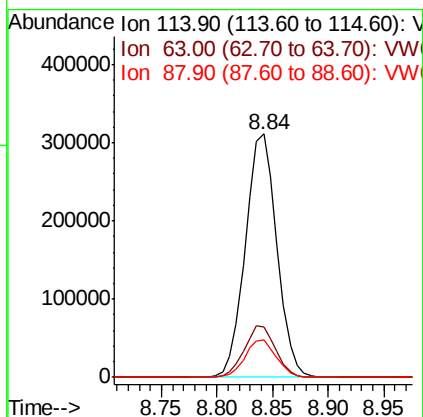
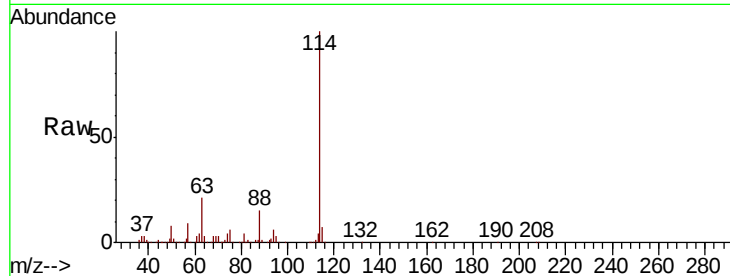




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008663.D
 Acq: 14 Feb 2019 13:53

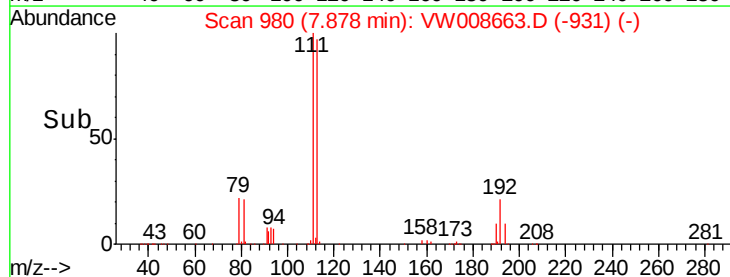
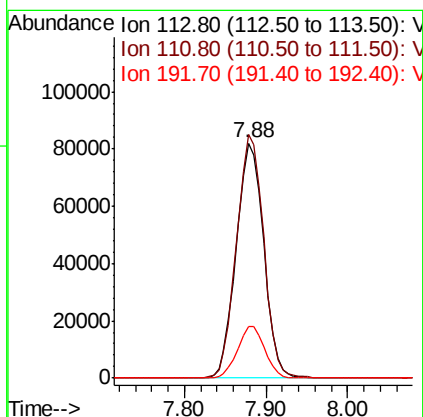
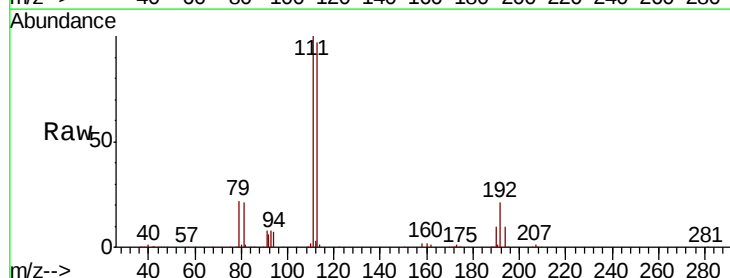
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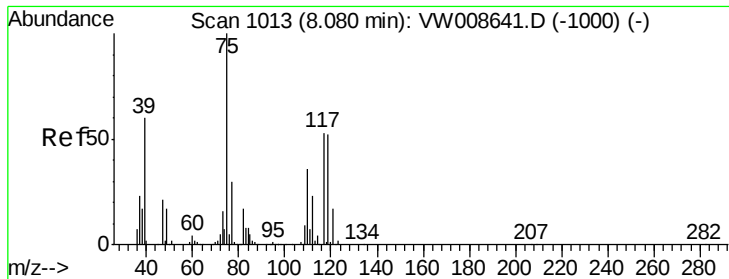
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.2
88	15.5	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 50.343 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008663.D
 Acq: 14 Feb 2019 13:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	84.0	126.0
192	21.9	17.4	26.2





#36

1,1-Dichloropropene

Concen: 4.841 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW008663.D

Acq: 14 Feb 2019 13:53

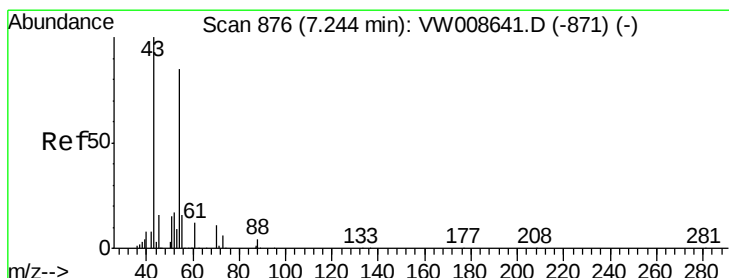
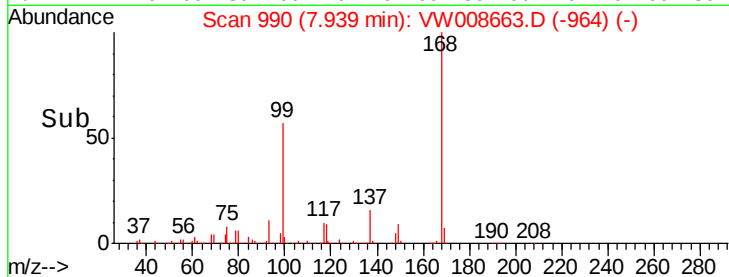
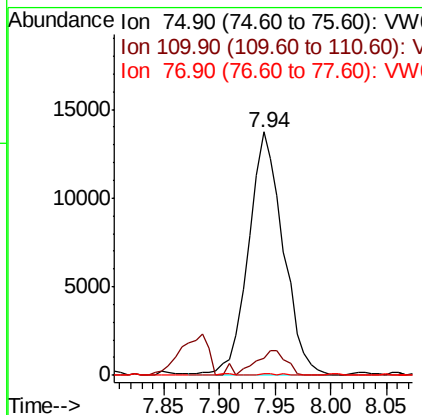
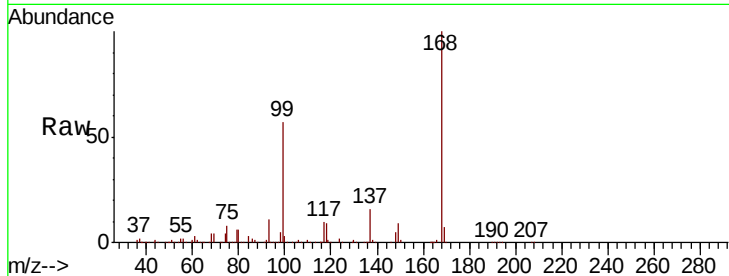
Instrument :

MSVOA_W

ClientSampleId :

EO-02-021319-A

Tgt Ion:	75	Resp:	29808
Ion Ratio	Lower	Upper	
75	100		
110	9.0	17.8	53.3#
77	0.5	24.7	37.1#



#37

Ethyl Acetate

Concen: 2.897 ug/l

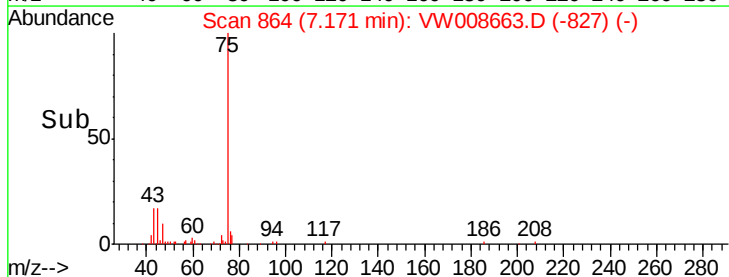
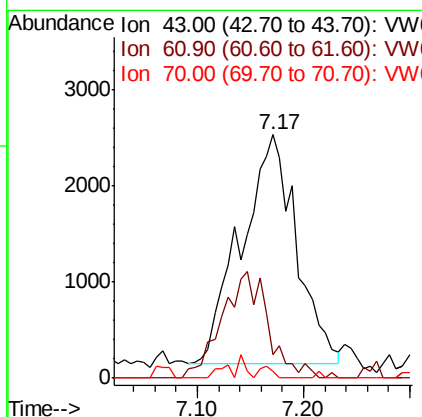
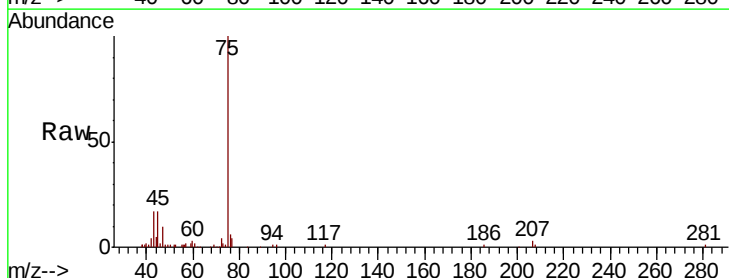
RT: 7.17 min Scan# 864

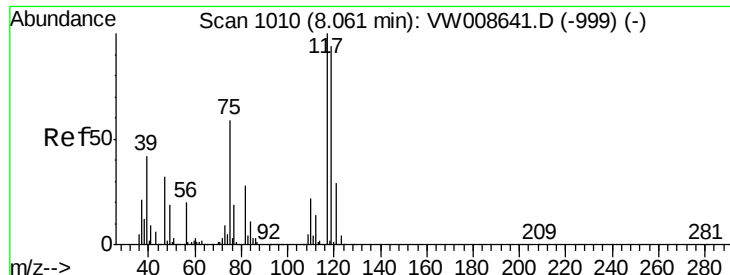
Delta R.T. -0.07 min

Lab File: VW008663.D

Acq: 14 Feb 2019 13:53

Tgt Ion:	43	Resp:	8605
Ion Ratio	Lower	Upper	
43	100		
61	0.0	10.5	15.7#
70	1.2	8.1	12.1#





#38

Carbon Tetrachloride

Concen: 6.373 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008663.D

Acq: 14 Feb 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

EO-02-021319-A

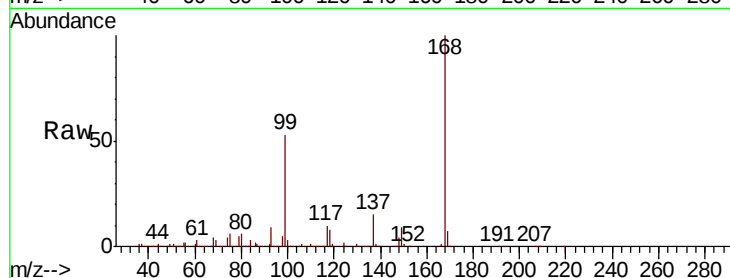
Tgt Ion: 117 Resp: 39025

Ion Ratio Lower Upper

117 100

119 5.2 75.1 112.7#

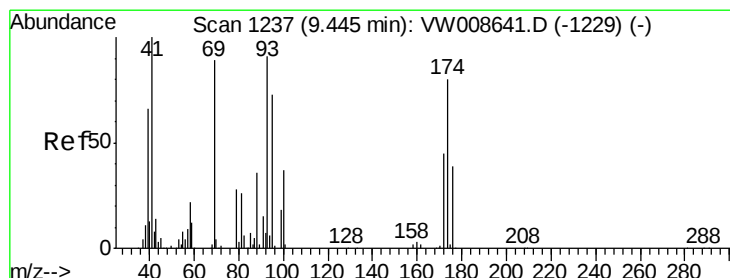
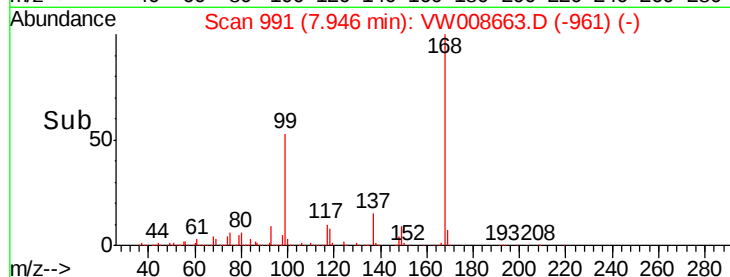
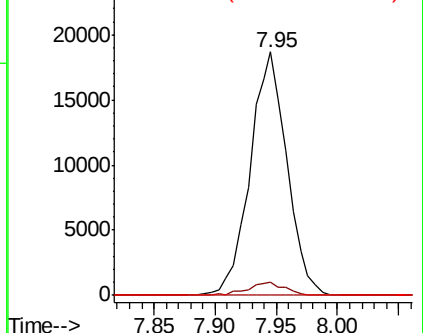
121 0.0 23.5 35.3#



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



#49

1,4-Dioxane

Concen: 1.066 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008663.D

Acq: 14 Feb 2019 13:53

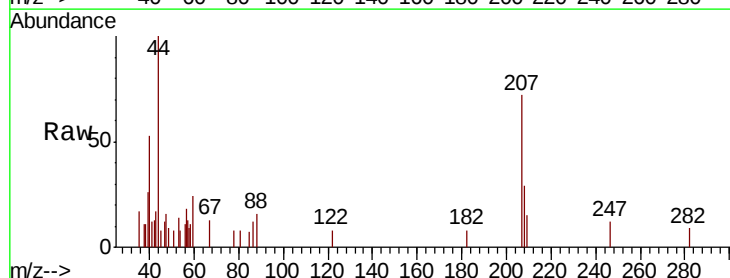
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 576.9 31.0 46.6#

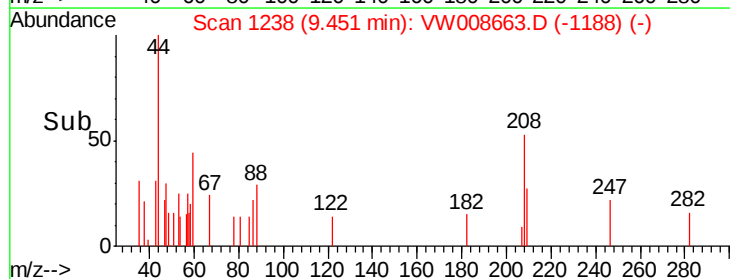
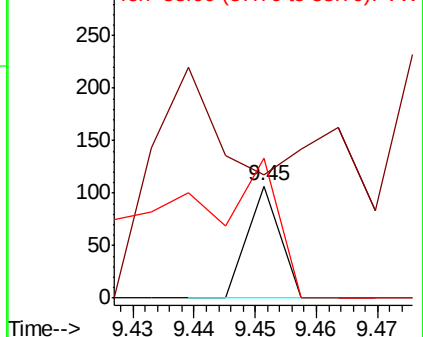
58 430.8 57.0 85.6#

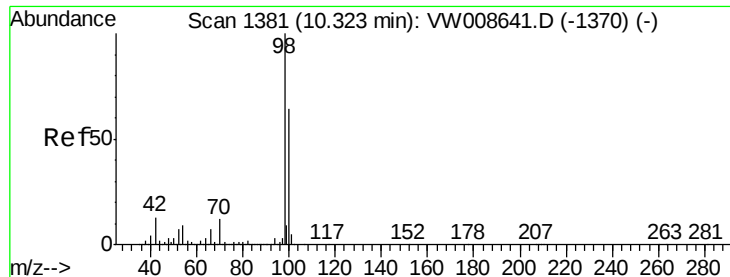


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 48.295 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008663.D

Acq: 14 Feb 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

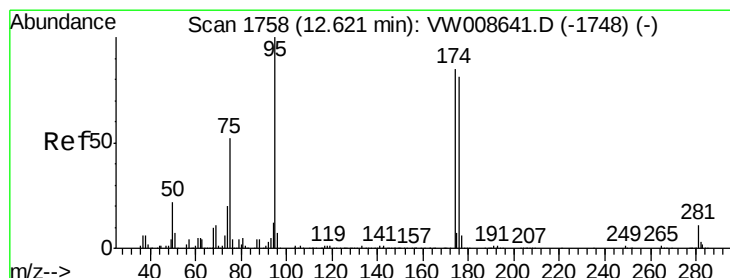
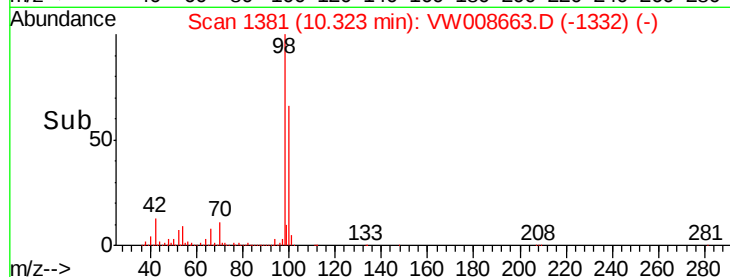
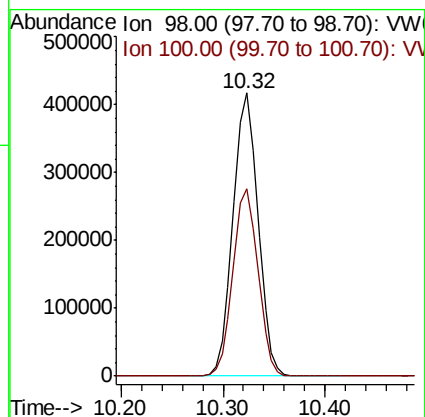
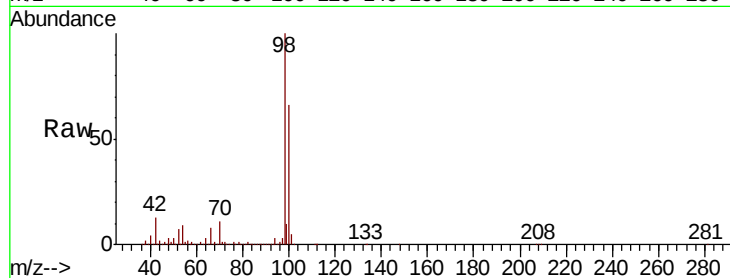
EO-02-021319-A

Tgt Ion: 98 Resp: 708560

Ion Ratio Lower Upper

98 100

100 66.2 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 40.582 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008663.D

Acq: 14 Feb 2019 13:53

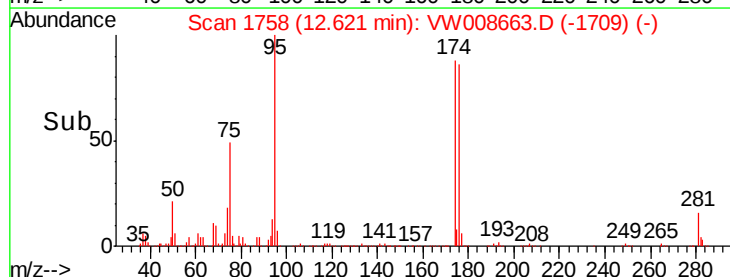
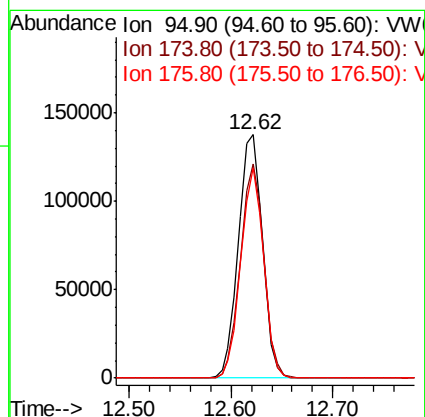
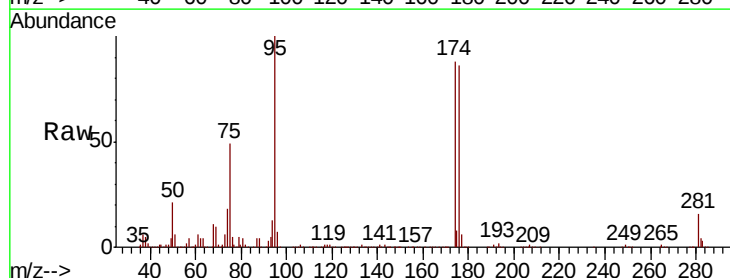
Tgt Ion: 95 Resp: 224268

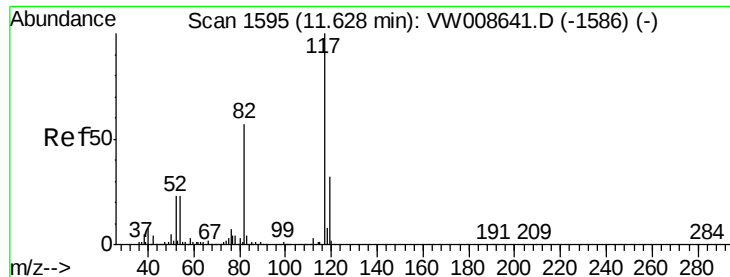
Ion Ratio Lower Upper

95 100

174 85.1 0.0 163.2

176 82.0 0.0 158.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW008663.D

Acq: 14 Feb 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

EO-02-021319-A

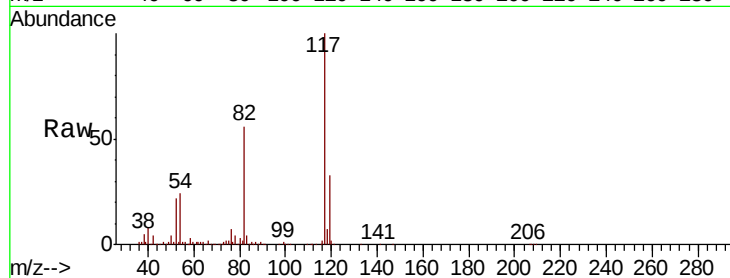
Tgt Ion:117 Resp: 499889

Ion Ratio Lower Upper

117 100

82 56.4 45.6 68.4

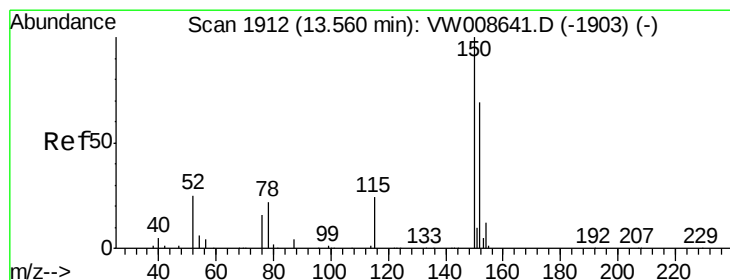
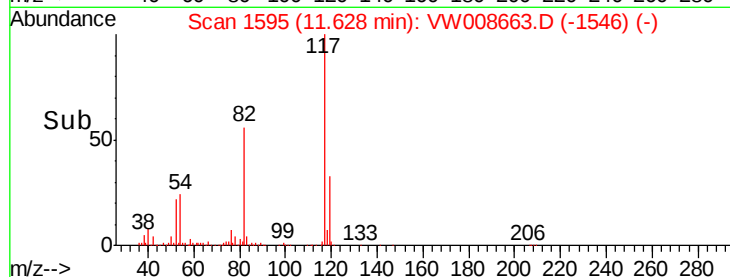
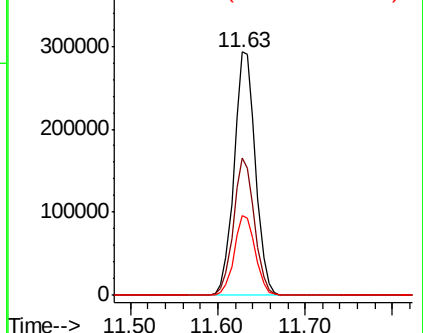
119 32.8 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VW008663.D

Acq: 14 Feb 2019 13:53

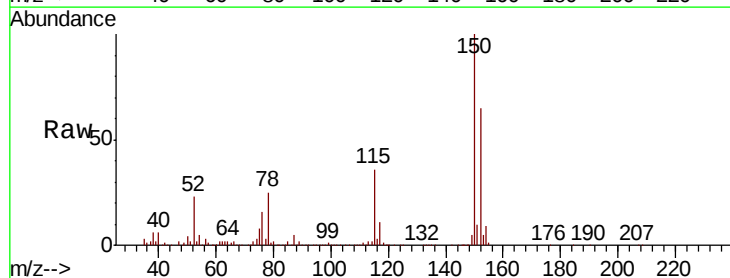
Tgt Ion:152 Resp: 201887

Ion Ratio Lower Upper

152 100

115 56.6 29.3 87.8

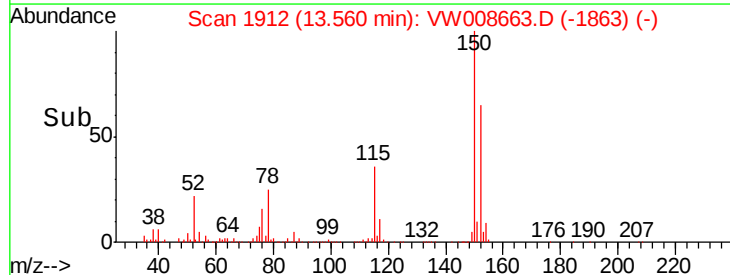
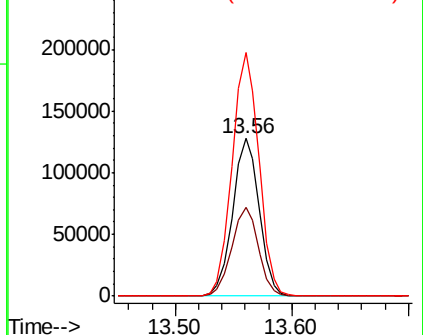
150 155.9 0.0 352.8

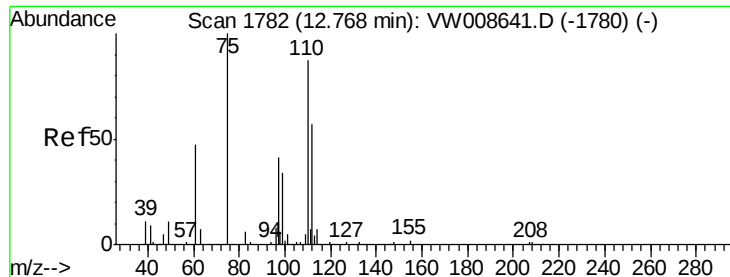


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 57.397 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008663.D

Acq: 14 Feb 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

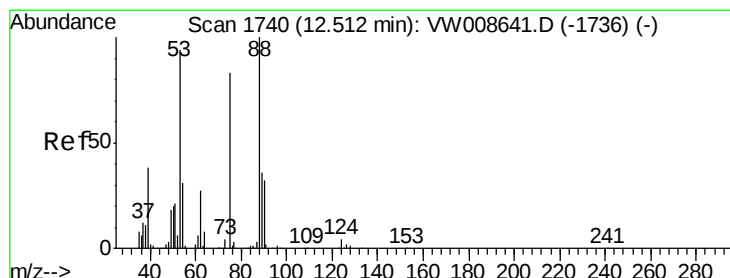
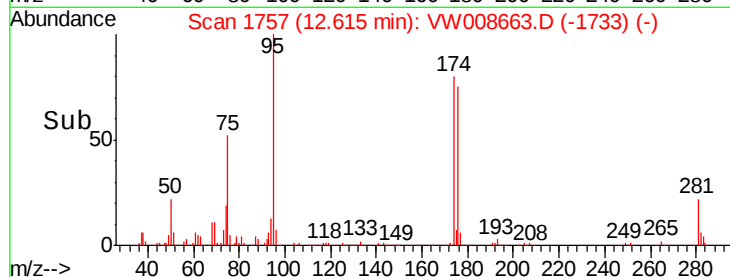
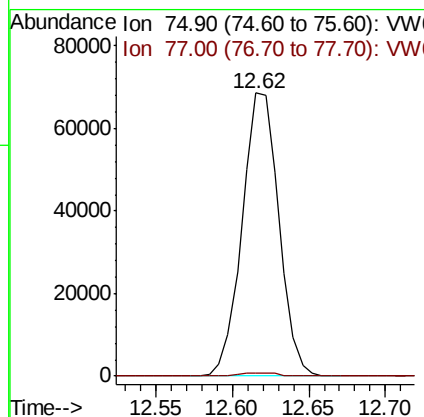
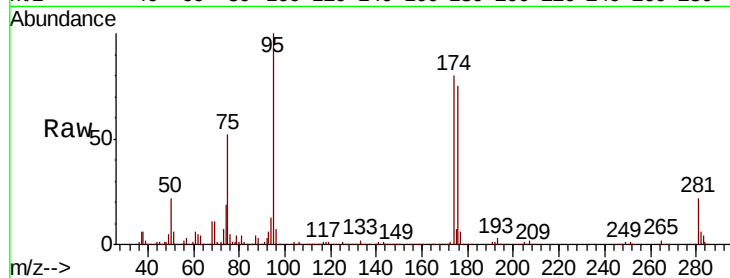
EO-02-021319-A

Tgt Ion: 75 Resp: 114422

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.690 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008663.D

Acq: 14 Feb 2019 13:53

Tgt Ion: 75 Resp: 114422

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.0 37.0 55.4#

