

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009098.D
 Acq On : 11 Mar 2019 20:25
 Operator : SY/VA
 Sample : K1691-07
 Misc : 6.49G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-030819-D

Quant Time: Mar 12 08:14:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	383211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148926	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	168618	60.32	ug/l	0.00
Spiked Amount			Recovery	=	120.64%	
35) Dibromofluoromethane	7.88	113	141010	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
50) Toluene-d8	10.32	98	528647	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.62	95	161520	37.24	ug/l	0.00
Spiked Amount			Recovery	=	74.48%	

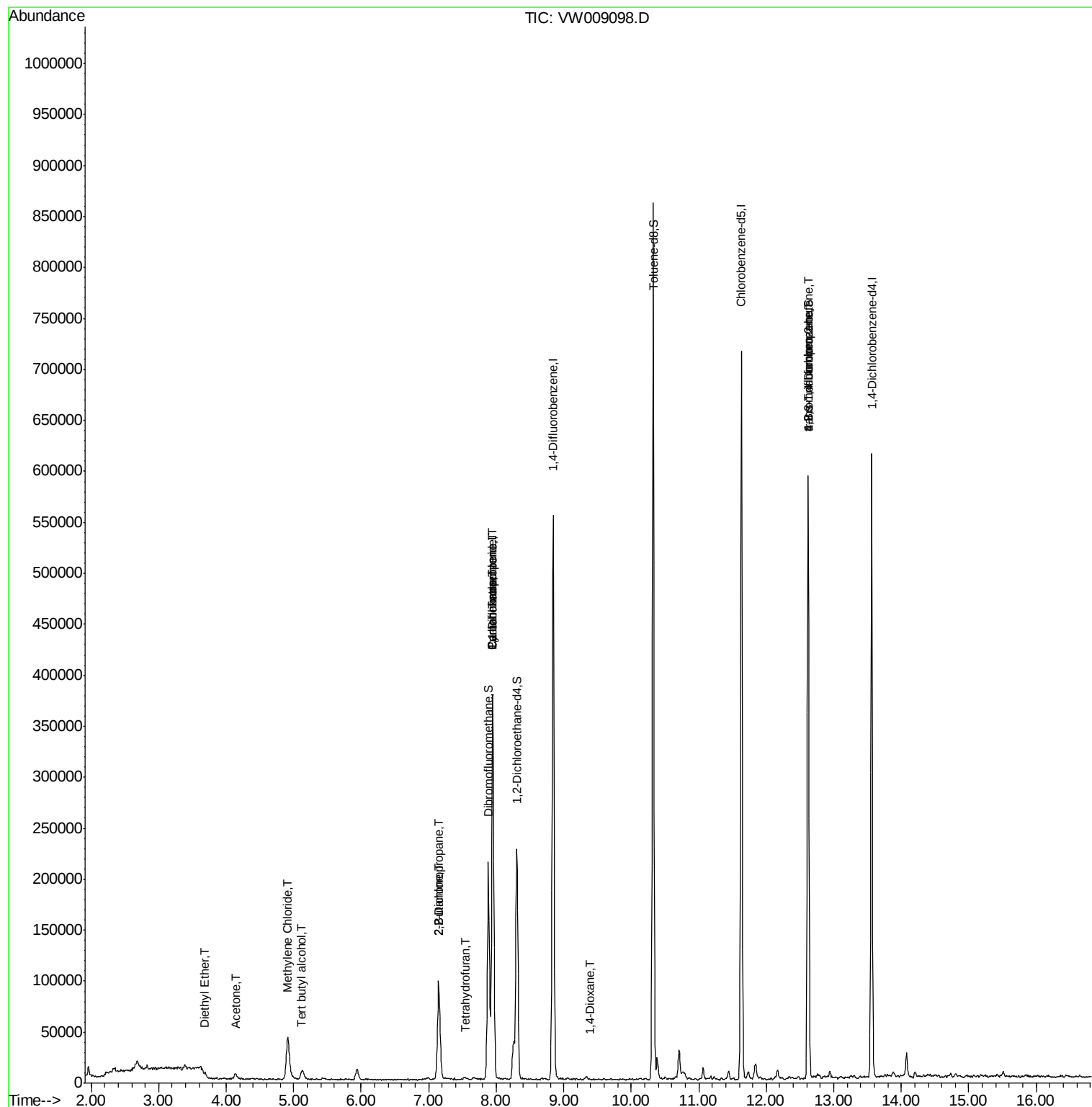
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	2122	1.493	ug/l	82
11) Tert butyl alcohol	5.12	59	8357	39.016	ug/l #	73
16) Acetone	4.14	43	10276	16.292	ug/l	96
20) Methylene Chloride	4.91	84	31695	5.895	ug/l	95
25) 2-Butanone	7.14	43	6111	7.010	ug/l #	79
26) 2,2-Dichloropropane	7.15	77	6622	1.435	ug/l #	54
29) Tetrahydrofuran	7.55	42	1808	3.291	ug/l	91
31) Cyclohexane	7.95	56	7192	1.380	ug/l #	44
36) 1,1-Dichloropropene	7.95	75	22265	4.780	ug/l #	50
38) Carbon Tetrachloride	7.95	117	27654	5.748	ug/l #	18
49) 1,4-Dioxane	9.39	88	29	1.191	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	86913	73.865	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	86913	165.218	ug/l #	5

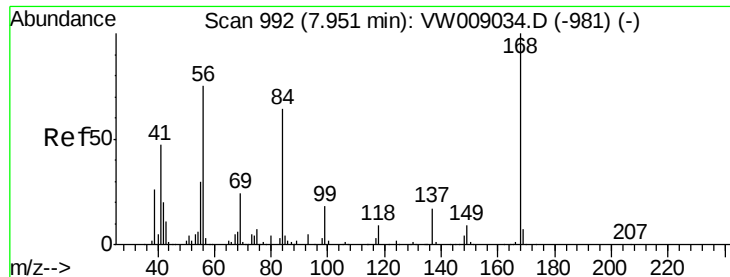
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009098.D

Acq: 11 Mar 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

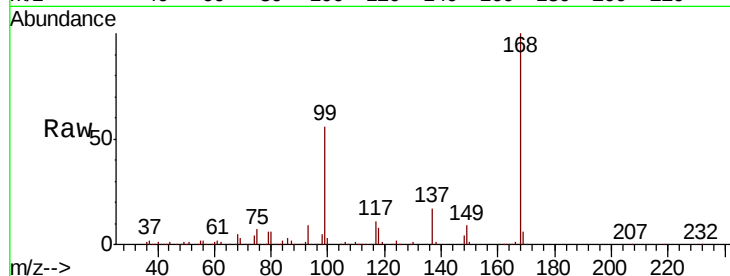
CL-02-030819-D

Tgt Ion:168 Resp: 277824

Ion Ratio Lower Upper

168 100

99 55.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

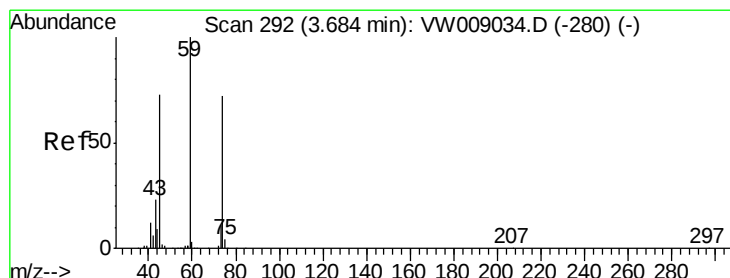
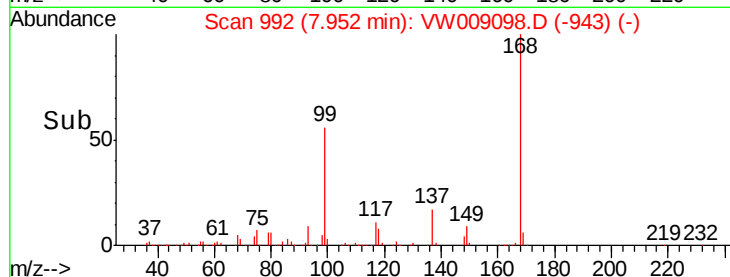
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.493 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW009098.D

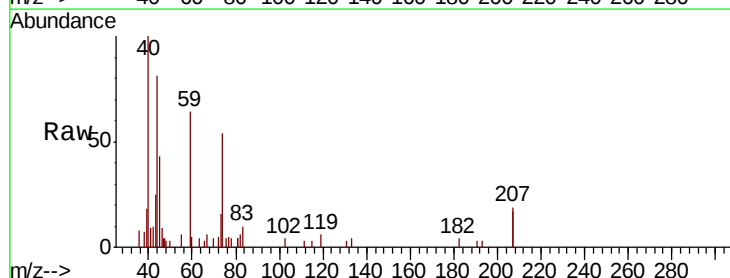
Acq: 11 Mar 2019 20:25

Tgt Ion: 74 Resp: 2122

Ion Ratio Lower Upper

74 100

45 123.0 52.3 157.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

1200

1000

800

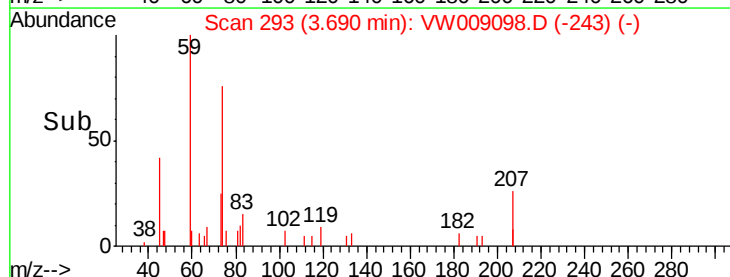
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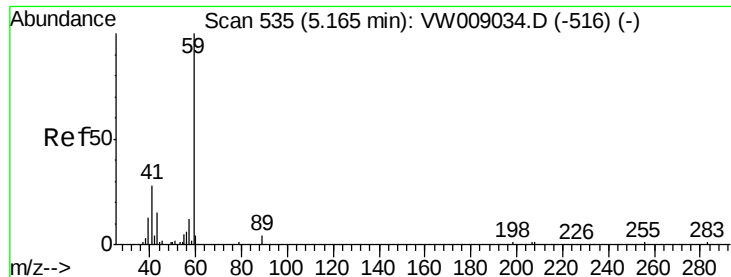
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200

0

Time-->



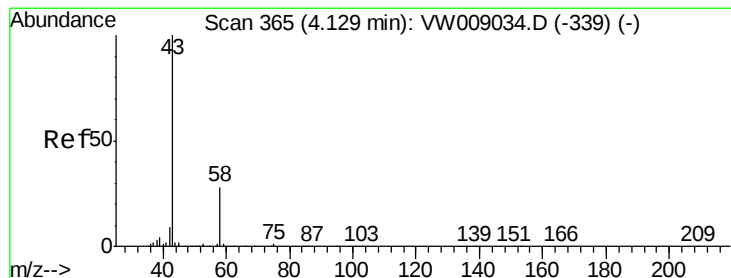
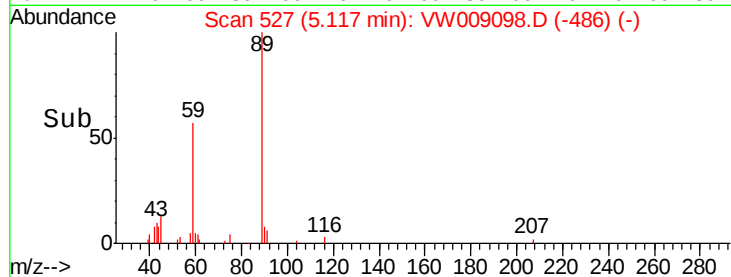
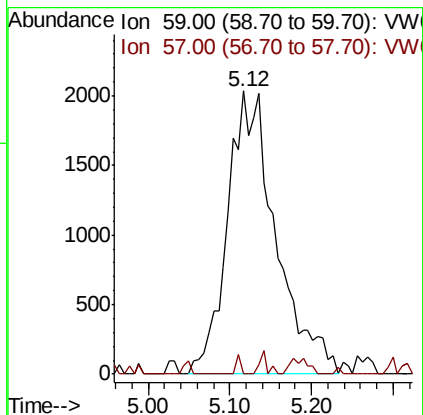
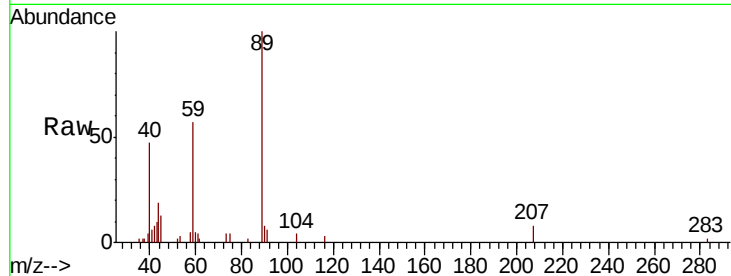


#11

Tert butyl alcohol
 Concen: 39.016 ug/l
 RT: 5.12 min Scan# 527
 Delta R.T. -0.05 min
 Lab File: VW009098.D
 Acq: 11 Mar 2019 20:25

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-030819-D

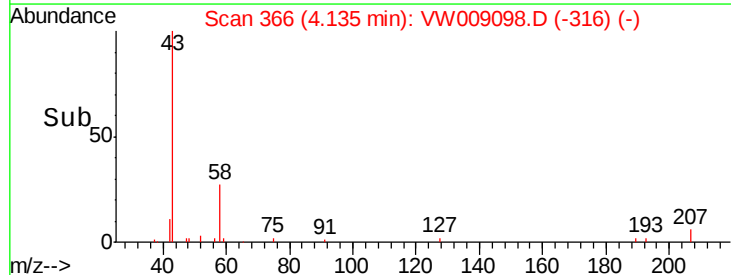
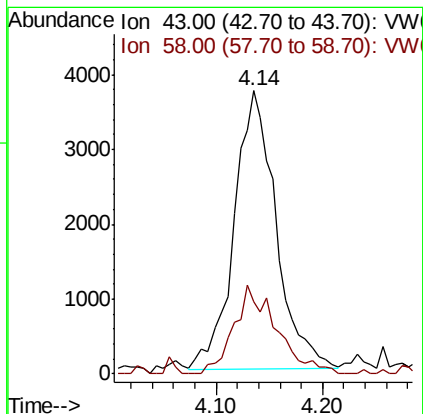
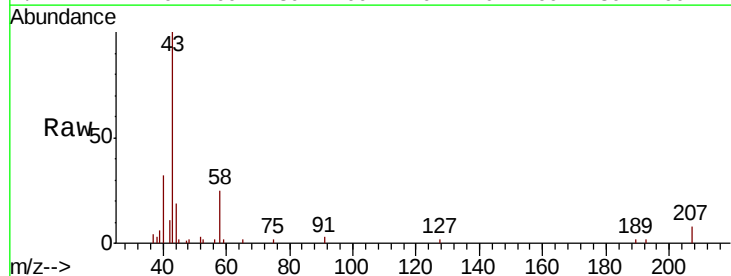
Tgt Ion: 59 Resp: 8357
 Ion Ratio Lower Upper
 59 100
 57 0.6 8.6 12.8#

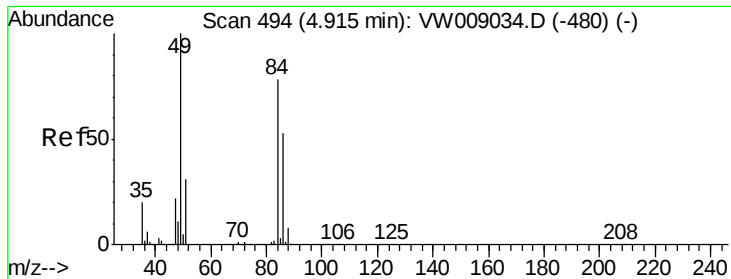


#16

Acetone
 Concen: 16.292 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW009098.D
 Acq: 11 Mar 2019 20:25

Tgt Ion: 43 Resp: 10276
 Ion Ratio Lower Upper
 43 100
 58 26.0 22.5 33.7

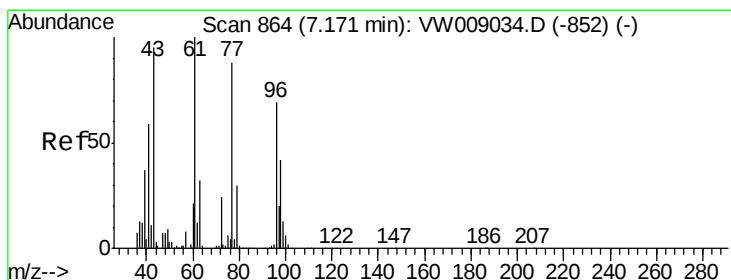
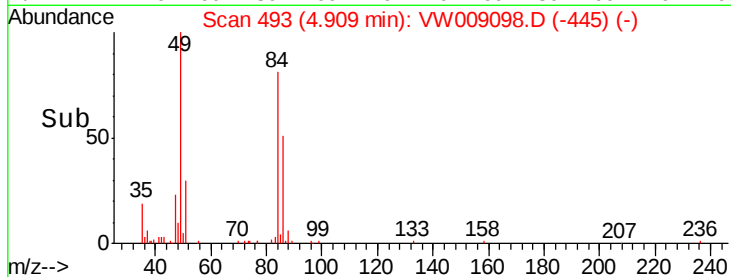
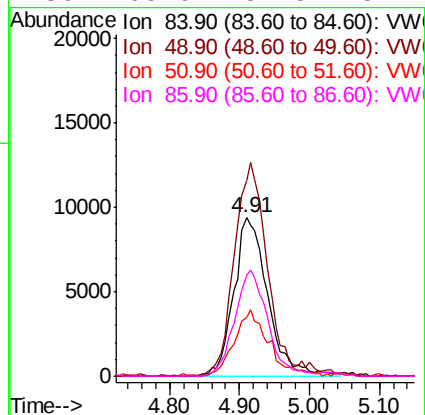
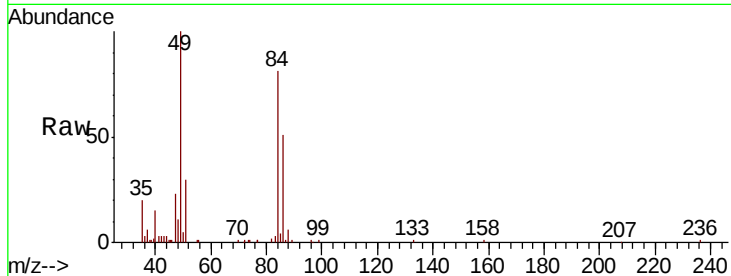




#20
Methylene Chloride
Concen: 5.895 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009098.D
Acq: 11 Mar 2019 20:25

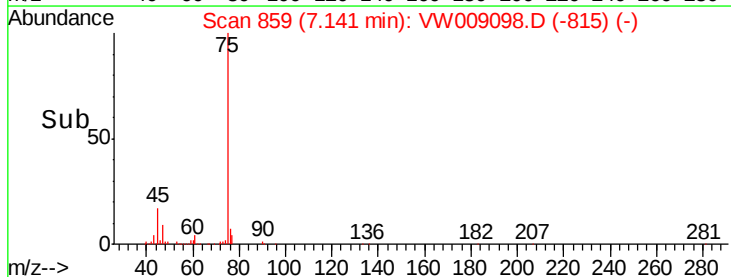
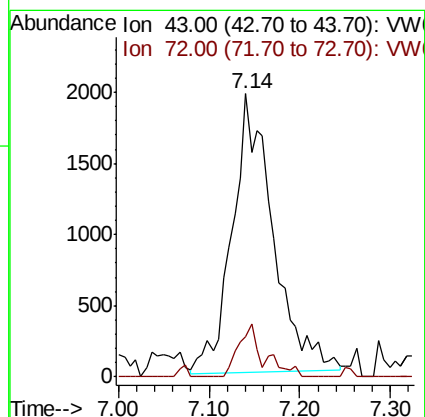
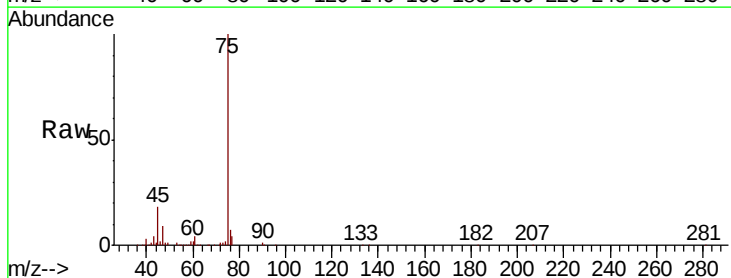
Instrument :
MSVOA_W
ClientSampleId :
CL-02-030819-D

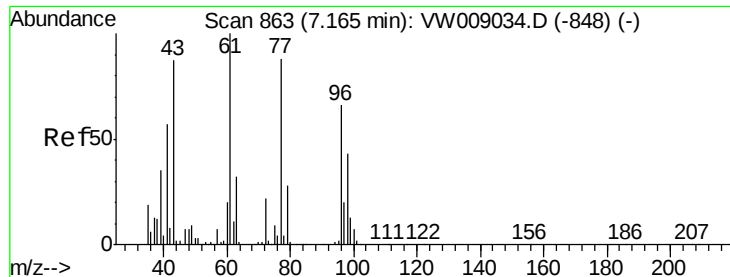
Tgt Ion:	84	Resp:	31695
Ion	Ratio	Lower	Upper
84	100		
49	123.1	102.4	153.6
51	36.0	31.6	47.4
86	63.6	54.5	81.7



#25
2-Butanone
Concen: 7.010 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW009098.D
Acq: 11 Mar 2019 20:25

Tgt Ion:	43	Resp:	6111
Ion	Ratio	Lower	Upper
43	100		
72	14.7	20.0	30.0#





#26

2,2-Dichloropropane

Concen: 1.435 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW009098.D

Acq: 11 Mar 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

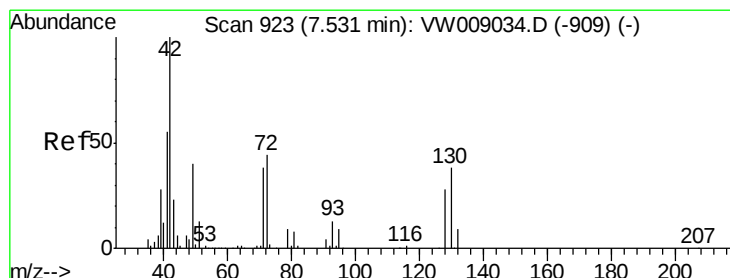
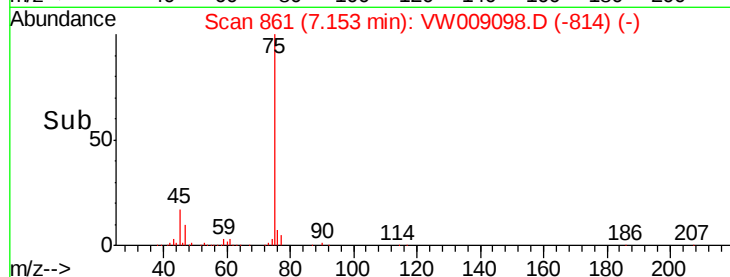
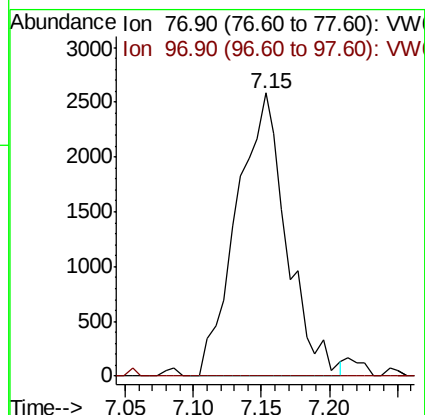
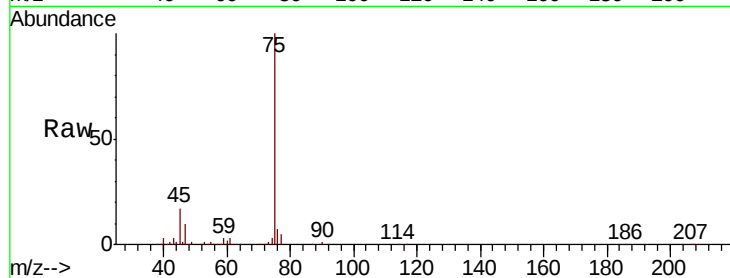
CL-02-030819-D

Tgt Ion: 77 Resp: 6622

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 3.291 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW009098.D

Acq: 11 Mar 2019 20:25

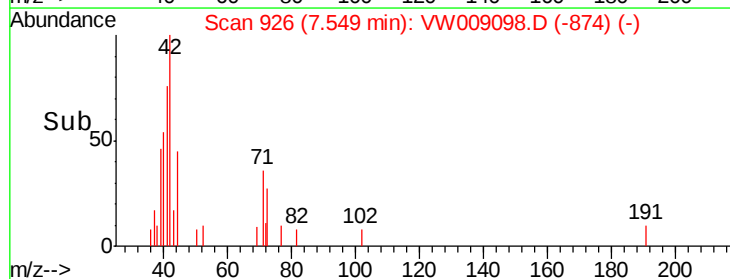
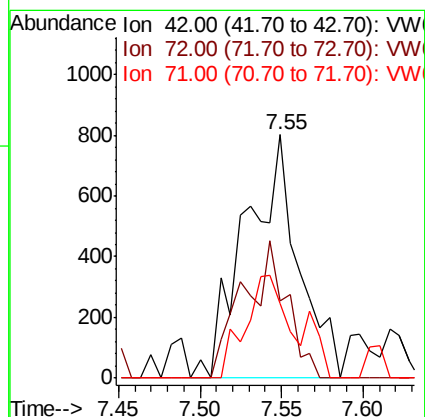
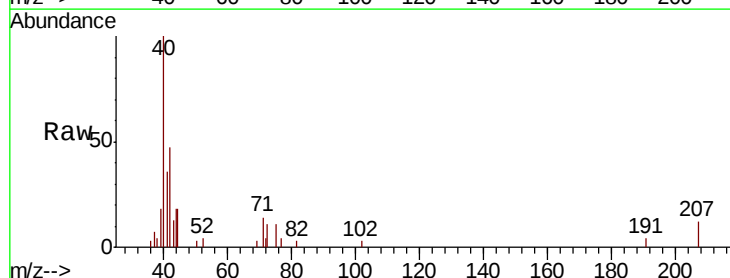
Tgt Ion: 42 Resp: 1808

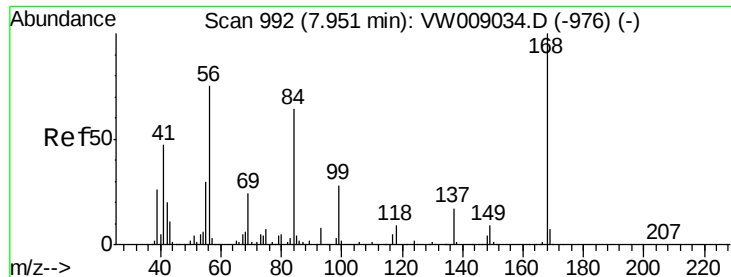
Ion Ratio Lower Upper

42 100

72 46.5 32.2 48.4

71 33.4 30.7 46.1

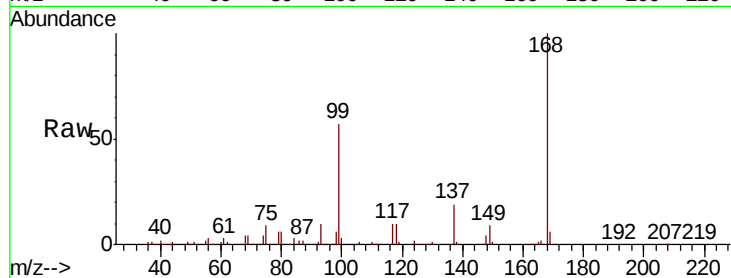




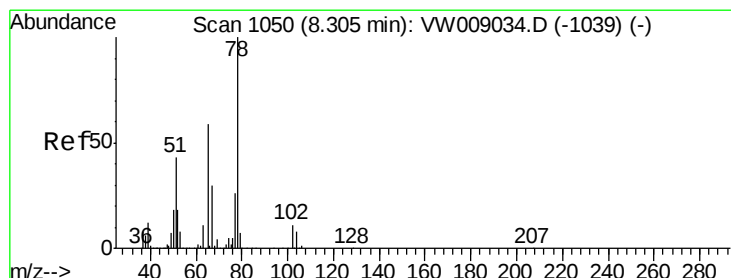
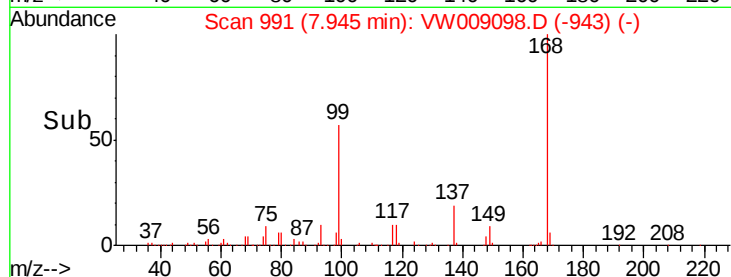
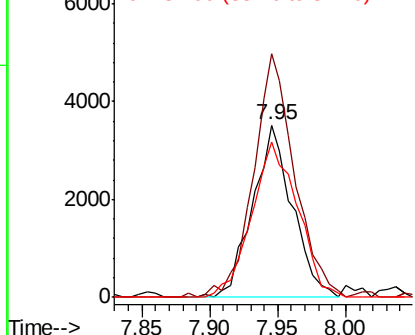
#31
Cyclohexane
Concen: 1.380 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009098.D
Acq: 11 Mar 2019 20:25

Instrument :
MSVOA_W
ClientSampleId :
CL-02-030819-D

Tgt Ion: 56 Resp: 7192
Ion Ratio Lower Upper
56 100
69 138.7 25.5 38.3#
84 90.3 68.6 103.0

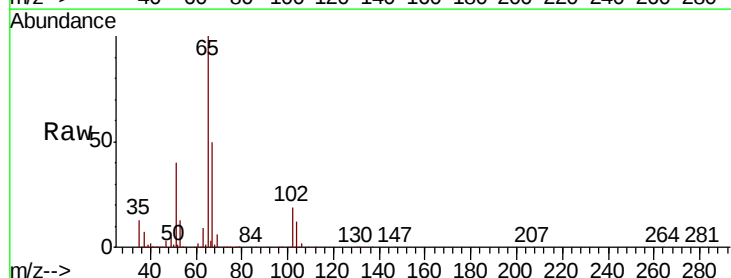


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

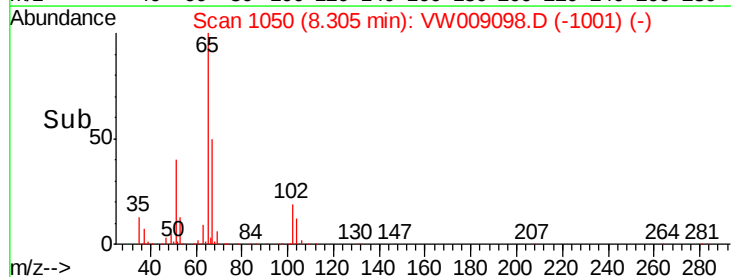
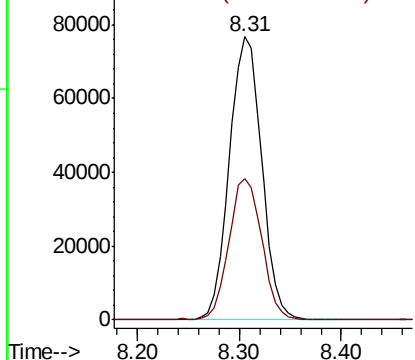


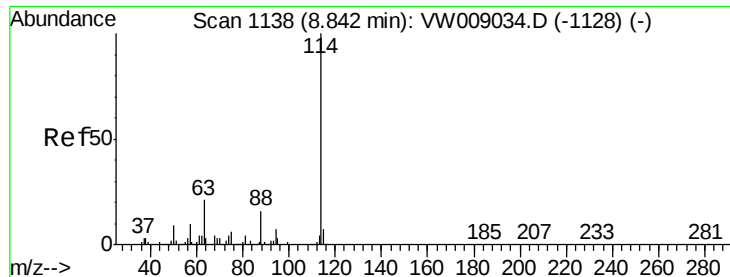
#33
1,2-Dichloroethane-d4
Concen: 60.325 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW009098.D
Acq: 11 Mar 2019 20:25

Tgt Ion: 65 Resp: 168618
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009098.D

Acq: 11 Mar 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

CL-02-030819-D

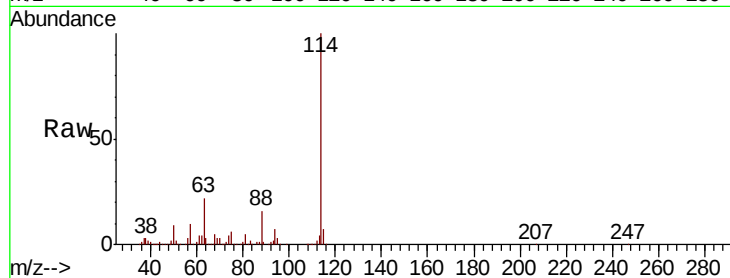
Tgt Ion:114 Resp: 445498

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.2

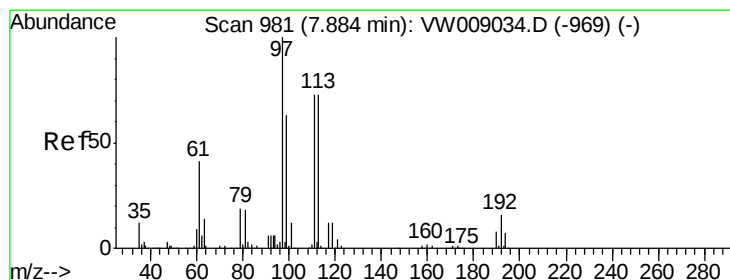
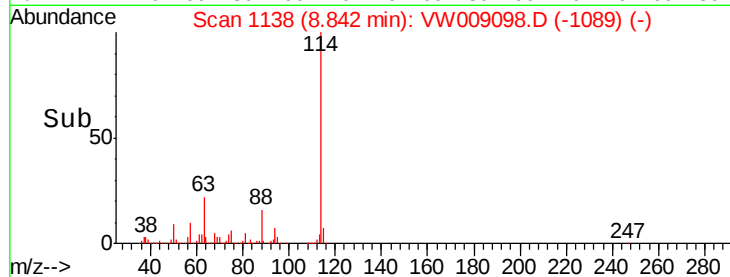
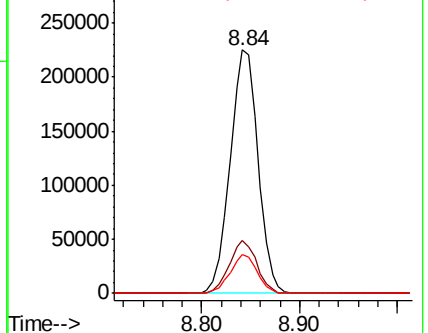
88 16.0 0.0 31.2



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: 52.571 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009098.D

Acq: 11 Mar 2019 20:25

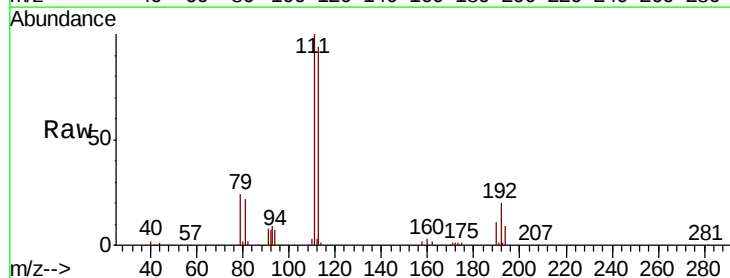
Tgt Ion:113 Resp: 141010

Ion Ratio Lower Upper

113 100

111 104.0 81.0 121.4

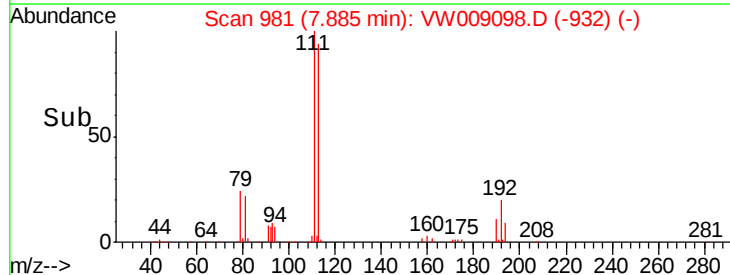
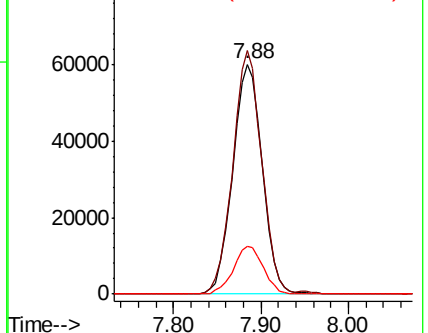
192 21.0 17.1 25.7

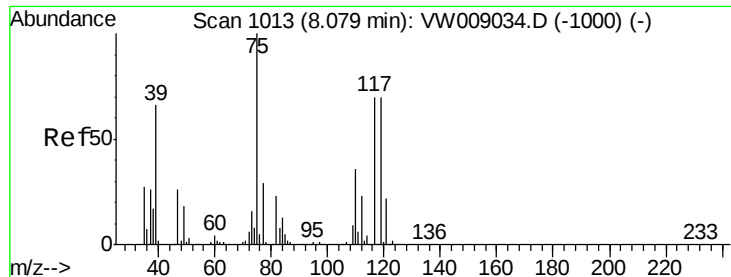


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

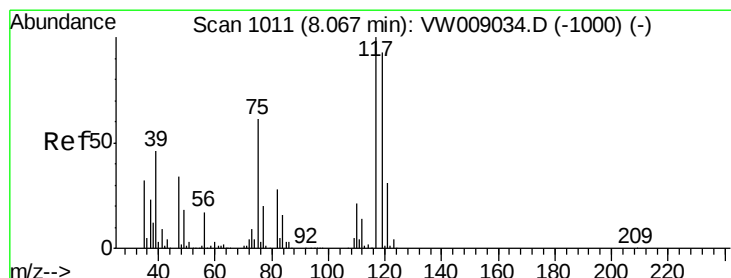
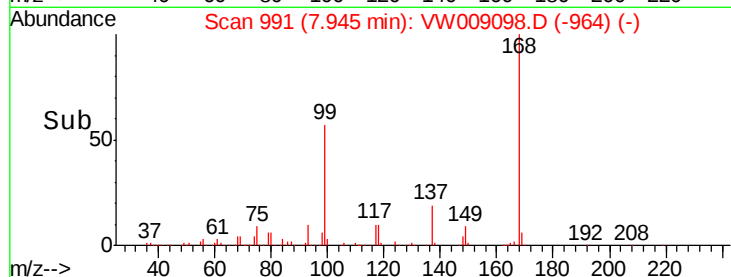
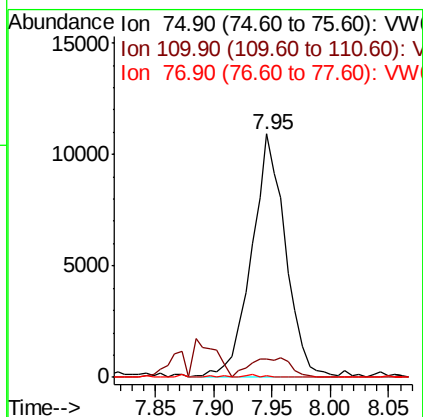
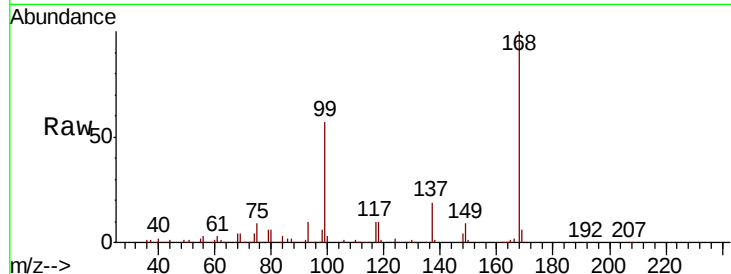




#36
 1,1-Dichloropropene
 Concen: 4.780 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009098.D
 Acq: 11 Mar 2019 20:25

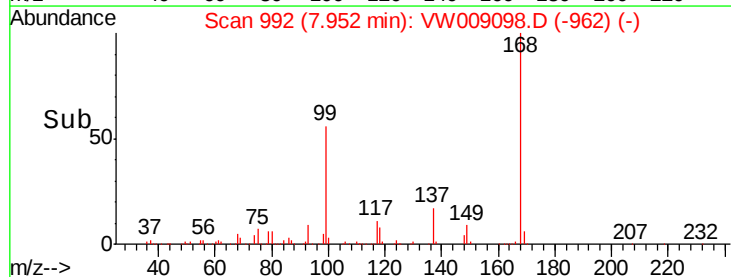
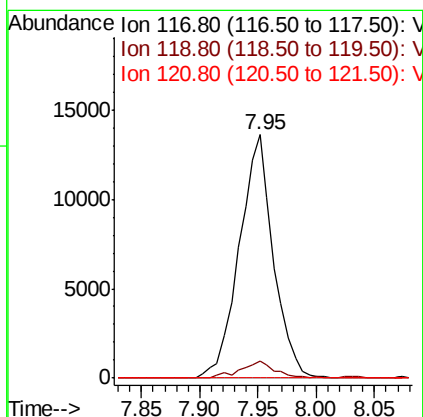
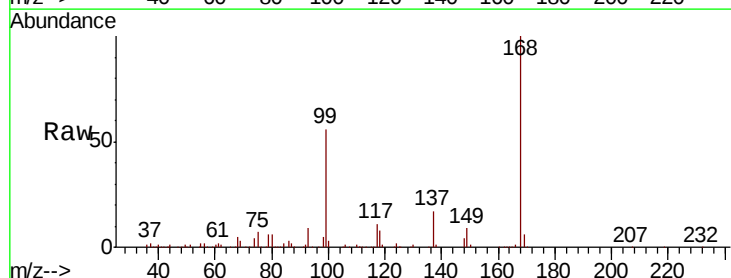
Instrument :
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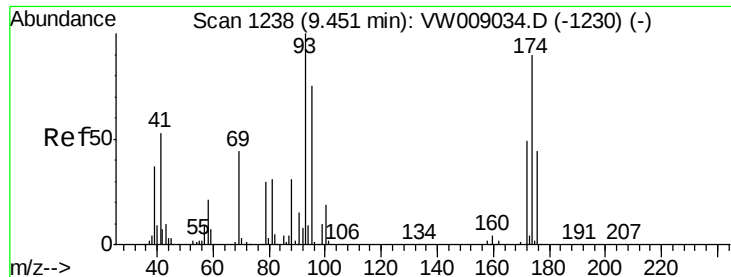
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.6	52.9#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.748 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW009098.D
 Acq: 11 Mar 2019 20:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	74.6	112.0#
121	0.0	24.7	37.1#

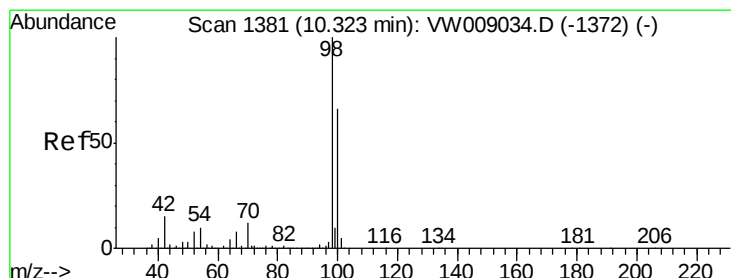
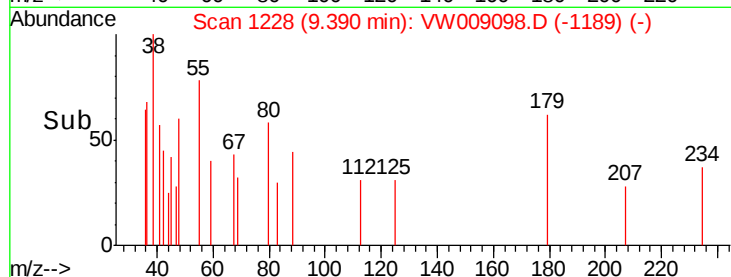
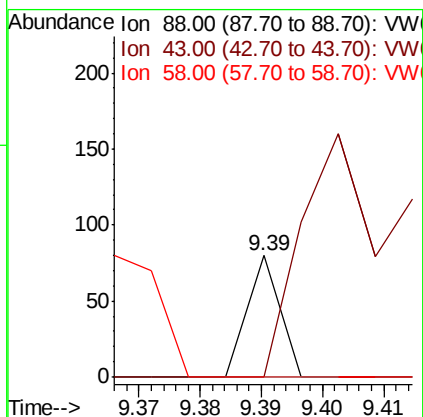
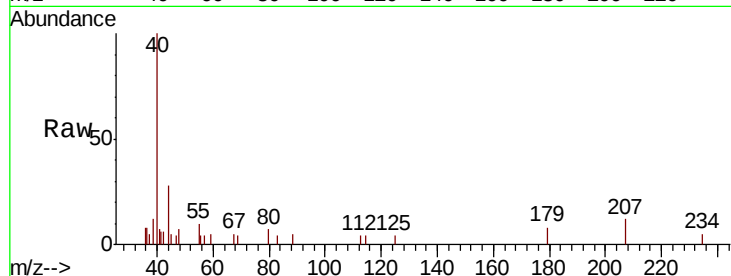




#49
1,4-Dioxane
Concen: 1.191 ug/l
RT: 9.39 min Scan# 1228
Delta R.T. -0.06 min
Lab File: VW009098.D
Acq: 11 Mar 2019 20:25

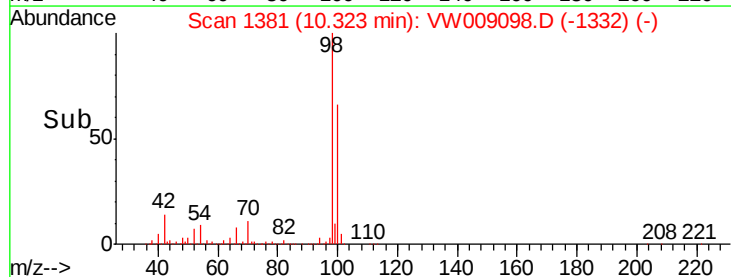
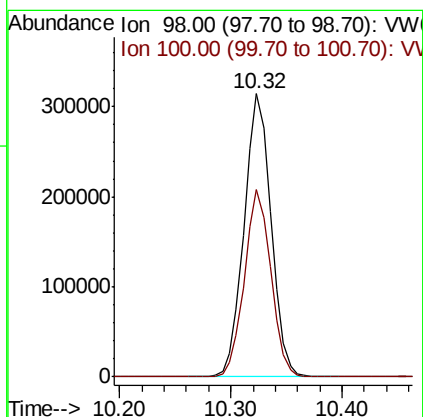
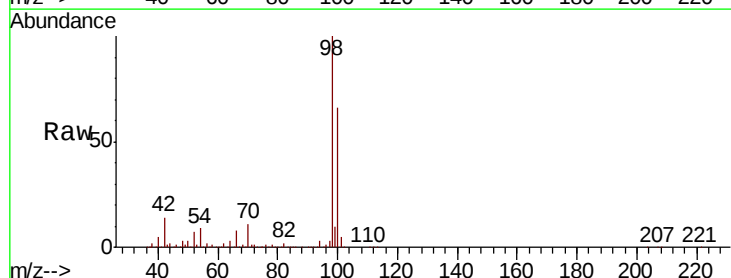
Instrument :
MSVOA_W
ClientSampleId :
CL-02-030819-D

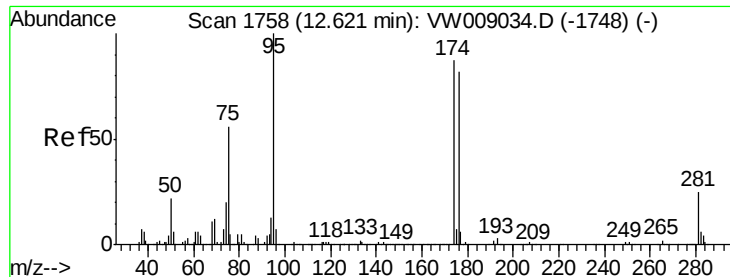
Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 651.7 29.0 43.4#
58 0.0 59.2 88.8#



#50
Toluene-d8
Concen: 47.986 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009098.D
Acq: 11 Mar 2019 20:25

Tgt Ion: 98 Resp: 528647
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

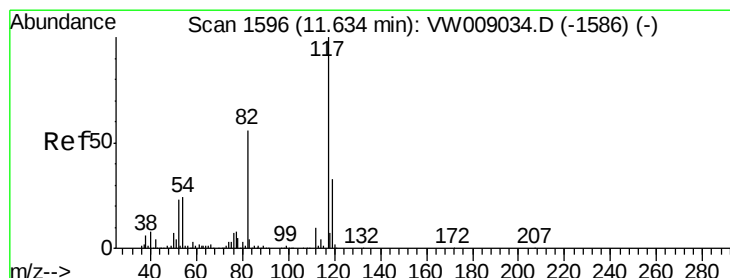
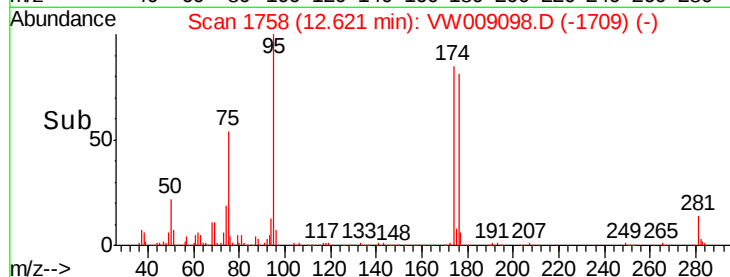
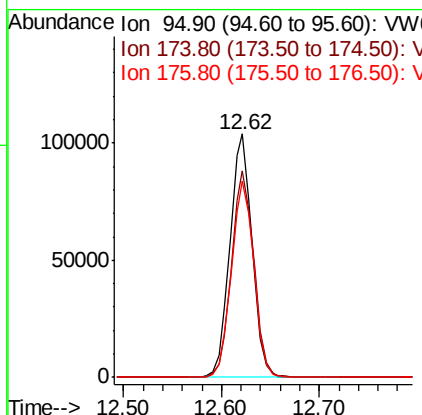
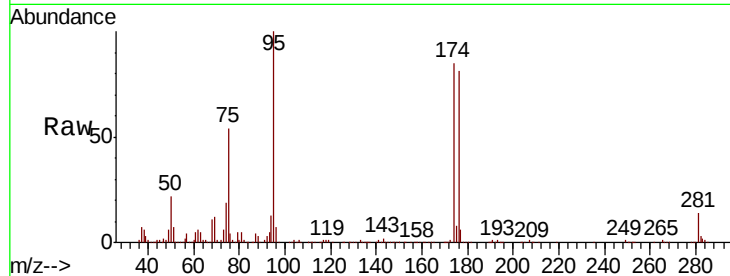




#62
4-Bromofluorobenzene
Concen: 37.244 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW009098.D
Acq: 11 Mar 2019 20:25

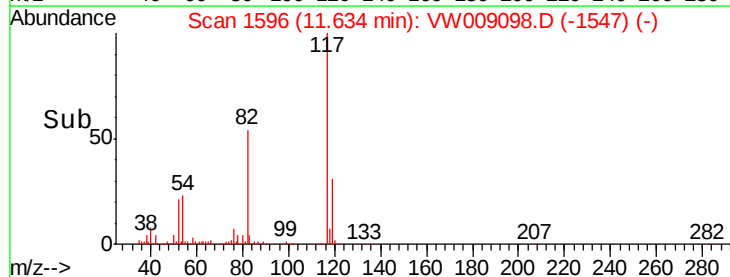
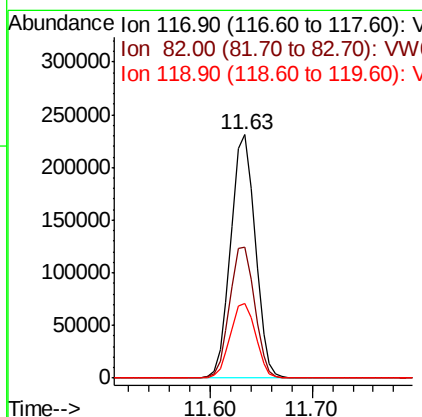
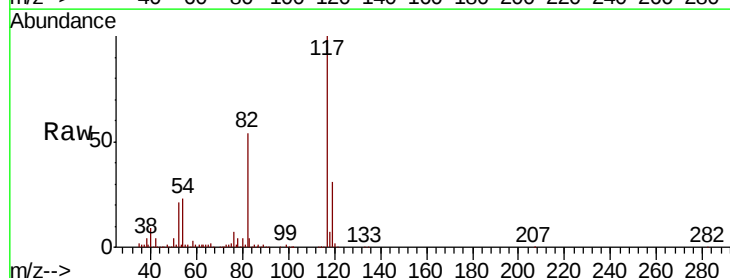
Instrument :
MSVOA_W
ClientSampleId :
CL-02-030819-D

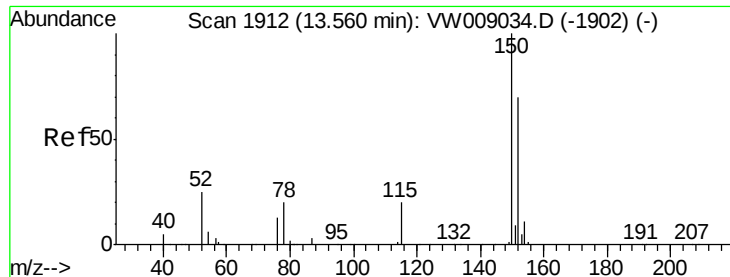
Tgt Ion: 95 Resp: 161520
Ion Ratio Lower Upper
95 100
174 86.1 0.0 167.0
176 82.0 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009098.D
Acq: 11 Mar 2019 20:25

Tgt Ion: 117 Resp: 383211
Ion Ratio Lower Upper
117 100
82 53.9 45.0 67.6
119 30.5 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009098.D

Acq: 11 Mar 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

CL-02-030819-D

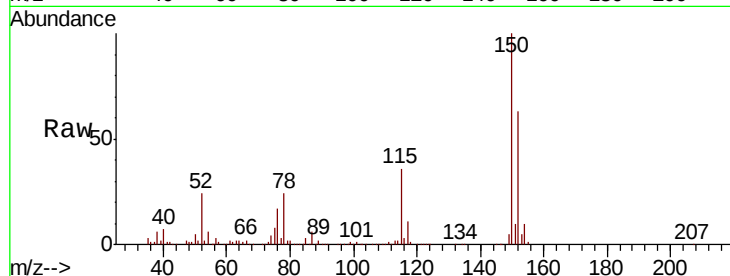
Tgt Ion:152 Resp: 148926

Ion Ratio Lower Upper

152 100

115 56.7 28.9 86.7

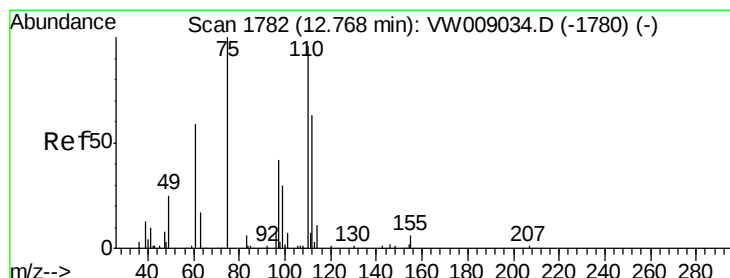
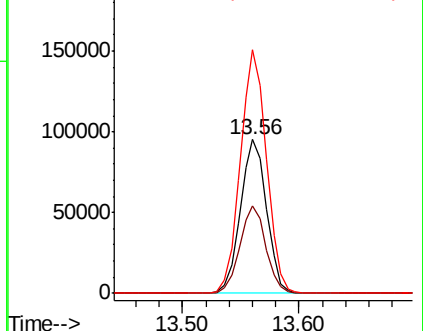
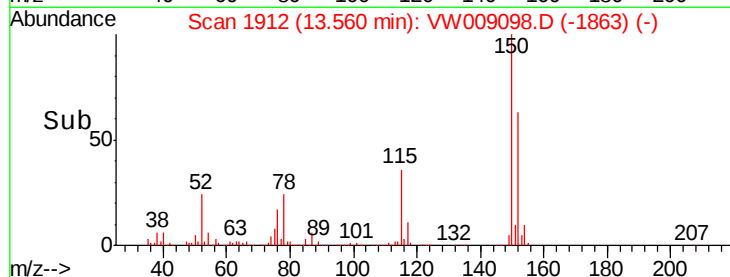
150 158.2 0.0 349.2



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: 73.865 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009098.D

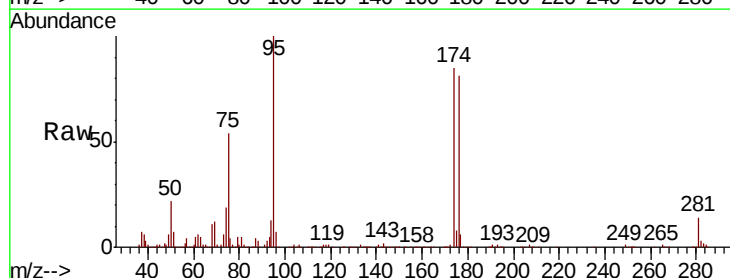
Acq: 11 Mar 2019 20:25

Tgt Ion: 75 Resp: 86913

Ion Ratio Lower Upper

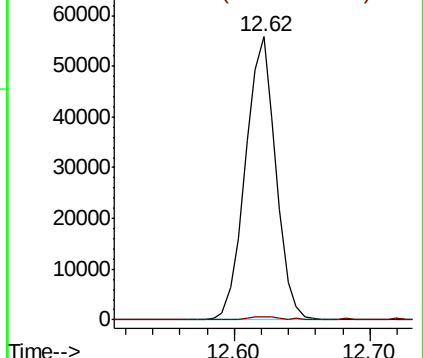
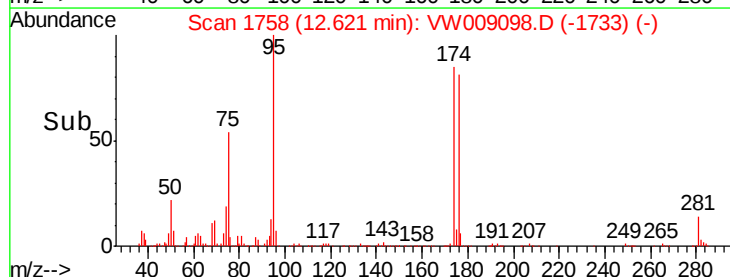
75 100

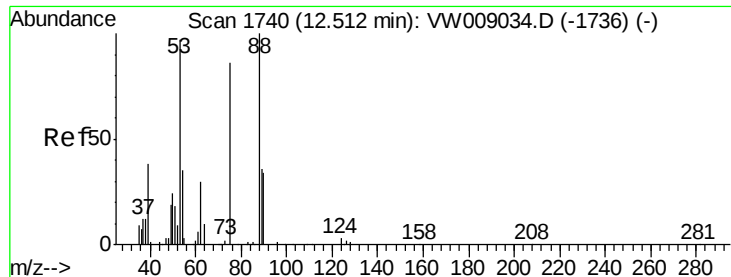
77 1.3 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 165.218 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009098.D

Acq: 11 Mar 2019 20:25

Instrument :

MSVOA_W

ClientSampleId :

CL-02-030819-D

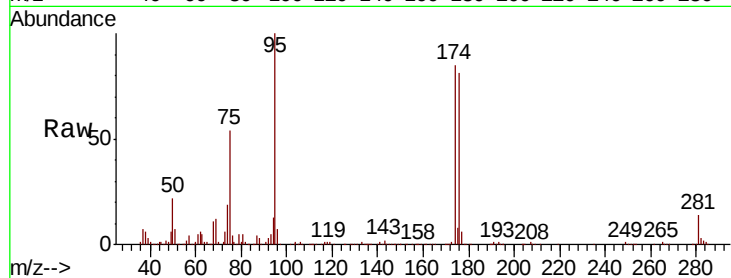
Tgt Ion: 75 Resp: 86913

Ion Ratio Lower Upper

75 100

53 0.3 90.5 135.7#

89 0.4 37.5 56.3#



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

