

Data File : VW008514.D
Acq On : 04 Feb 2019 20:50
Operator : SY/VA
Sample : K1346-03
Misc : 6.15G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CL-02-020419-B

Quant Time: Feb 05 03:12:23 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	342933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	554055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	461149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169457	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	188608	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	
35) Dibromofluoromethane	7.88	113	175976	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	
50) Toluene-d8	10.32	98	634848	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
62) 4-Bromofluorobenzene	12.62	95	200475	40.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.30%	

Target Compounds

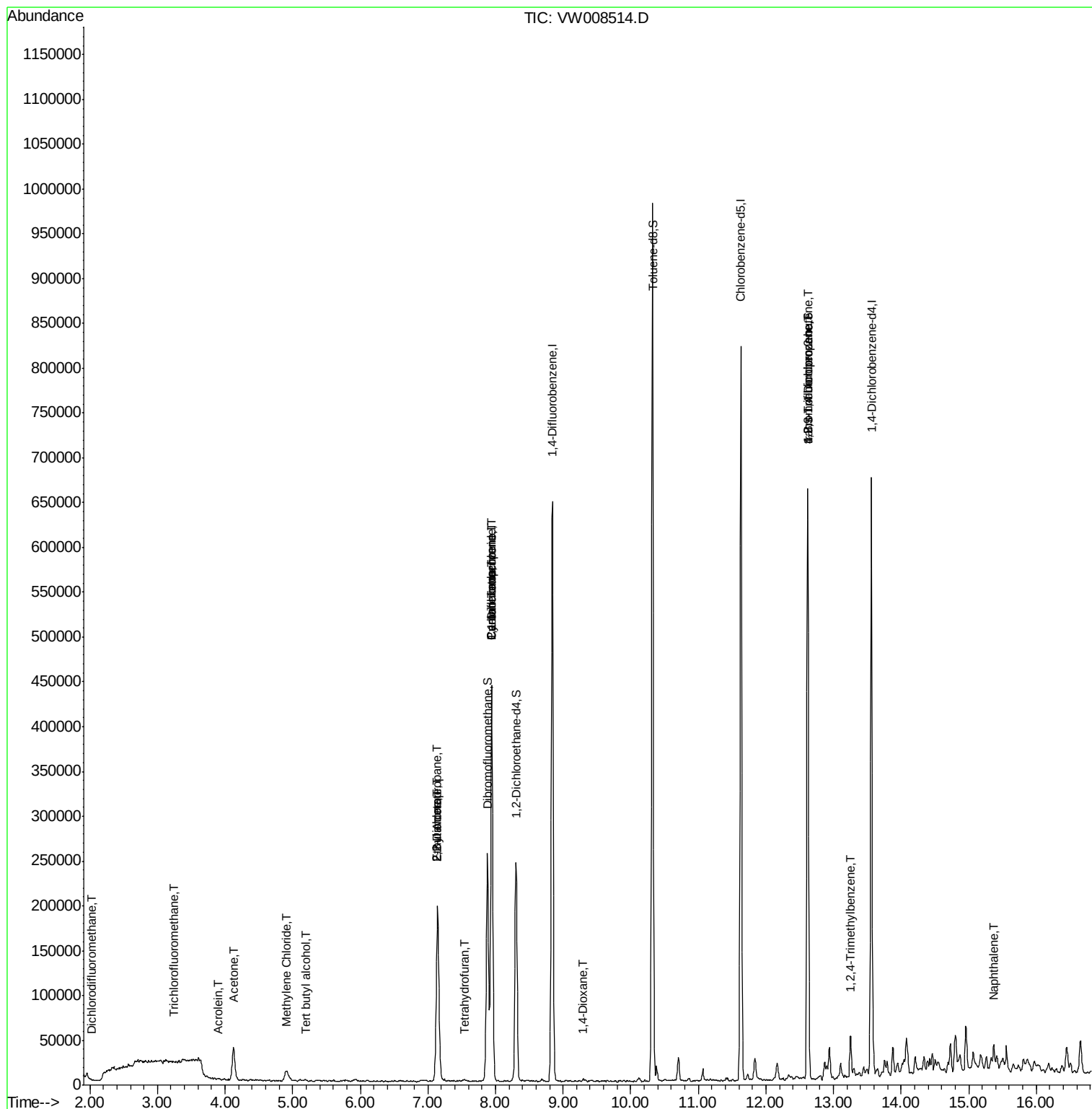
						Qvalue
2) Dichlorodifluoromethane	2.03	85	87	3.293	ug/l #	41
7) Trichlorofluoromethane	3.24	101	37	4.736	ug/l	84
11) Tert butyl alcohol	5.18	59	419	1.545	ug/l #	1
13) Acrolein	3.91	56	264	5.270	ug/l #	75
16) Acetone	4.12	43	66297	87.630	ug/l	99
20) Methylene Chloride	4.90	84	4886	1.401	ug/l	90
25) 2-Butanone	7.14	43	12251	11.658	ug/l #	70
26) 2,2-Dichloropropane	7.14	77	13258	3.067	ug/l #	54
29) Tetrahydrofuran	7.55	42	1859	2.792	ug/l #	82
31) Cyclohexane	7.95	56	7937	1.200	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	25428	4.859	ug/l #	51
37) Ethyl Acetate	7.14	43	12251	5.291	ug/l #	8
38) Carbon Tetrachloride	7.95	117	31852	6.048	ug/l #	16
49) 1,4-Dioxane	9.29	88	84	2.668	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	103520	70.264	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	103520	138.776	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.26	105	26204	2.441	ug/l	96
95) Naphthalene	15.37	128	24167	3.912	ug/l #	94

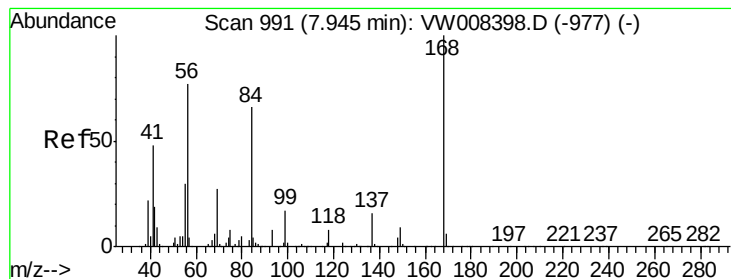
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008514.D

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Instrument :

MSVOA_W

ClientSampleId :

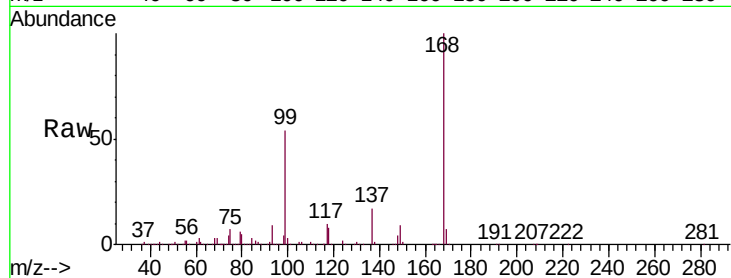
CL-02-020419-B

Tgt Ion: 168 Resp: 342933

Ion Ratio Lower Upper

168 100

99 54.1 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

150000

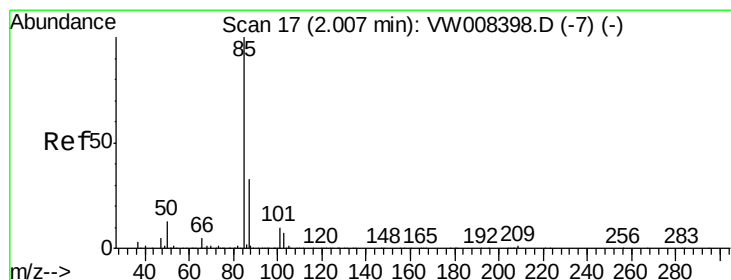
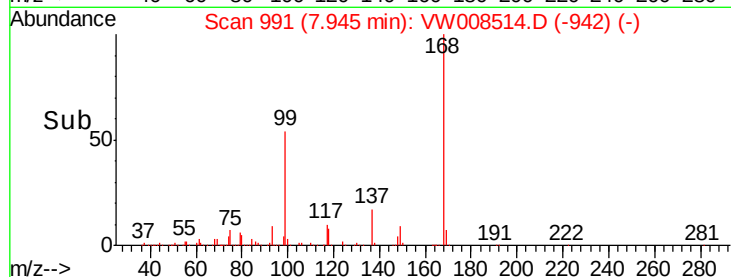
100000

50000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 3.293 ug/l

RT: 2.03 min Scan# 20

Delta R.T. 0.02 min

Lab File: VW008514.D

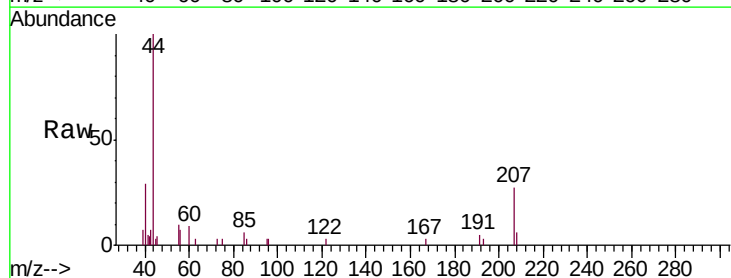
Acq: 04 Feb 2019 20:50

Tgt Ion: 85 Resp: 87

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

2.03

150

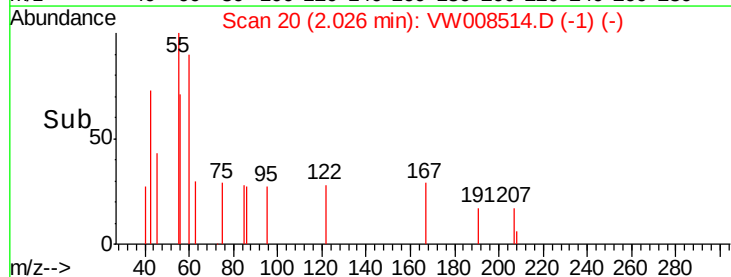
100

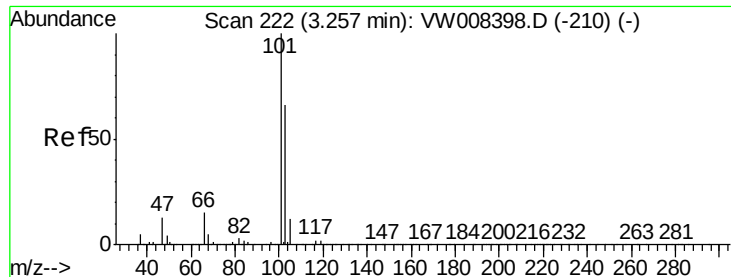
50

0

Time-->

2.00 2.02 2.04



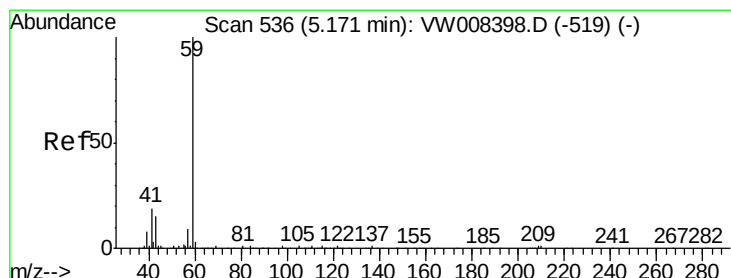
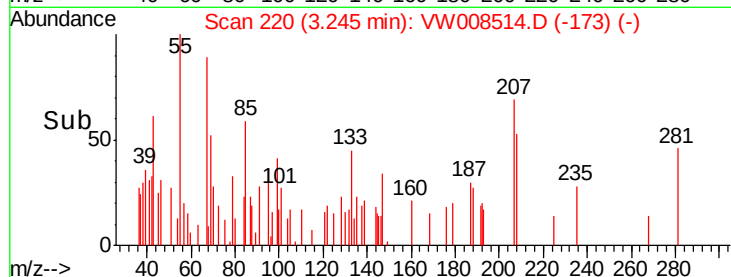
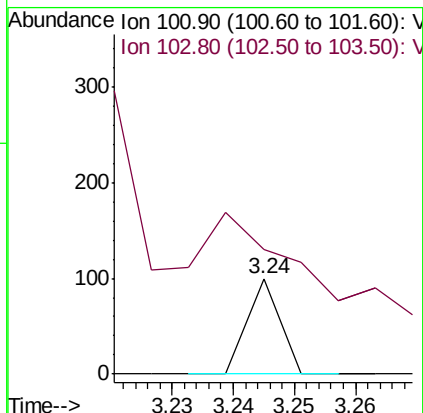
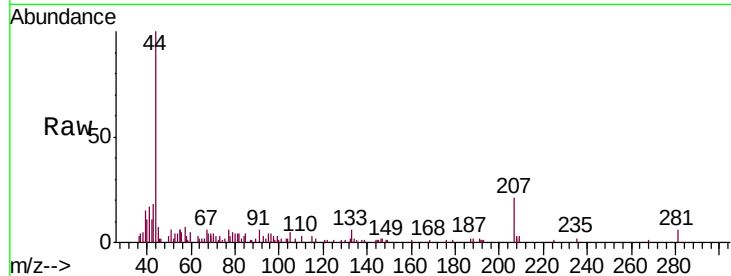


#7

Trichlorofluoromethane
Concen: 4.736 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
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Acq: 04 Feb 2019 20:50

Instrument :
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ClientSampleId :
CL-02-020419-B

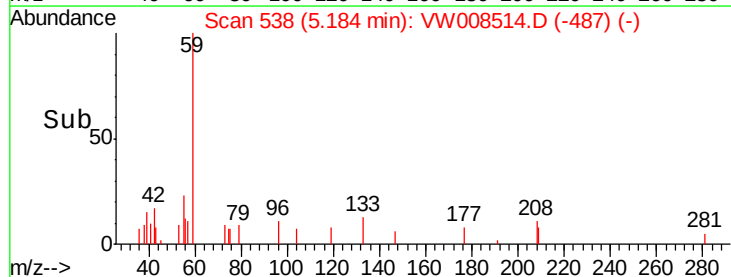
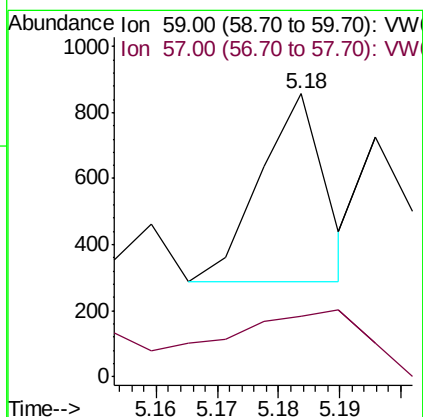
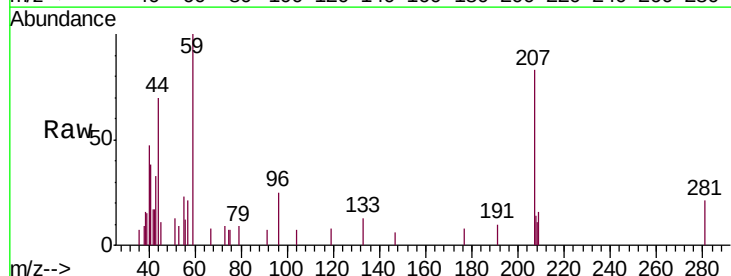
Tgt Ion: 101 Resp: 37
Ion Ratio Lower Upper
101 100
103 53.0 52.5 78.7

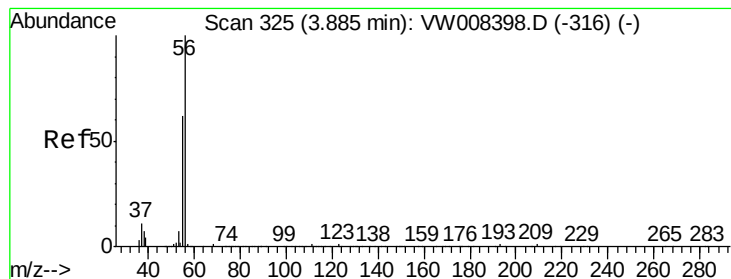


#11

Tert butyl alcohol
Concen: 1.545 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW008514.D
Acq: 04 Feb 2019 20:50

Tgt Ion: 59 Resp: 419
Ion Ratio Lower Upper
59 100
57 75.7 9.3 13.9#





#13

Acrolein

Concen: 5.270 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW008514.D

Acq: 04 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

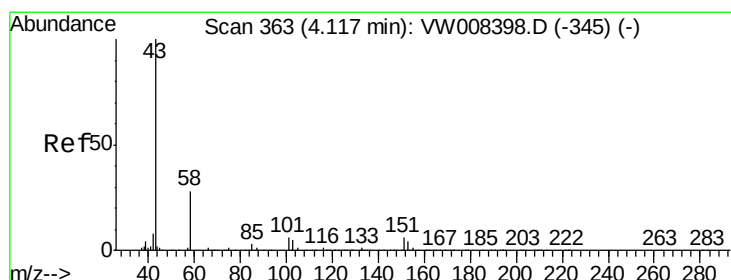
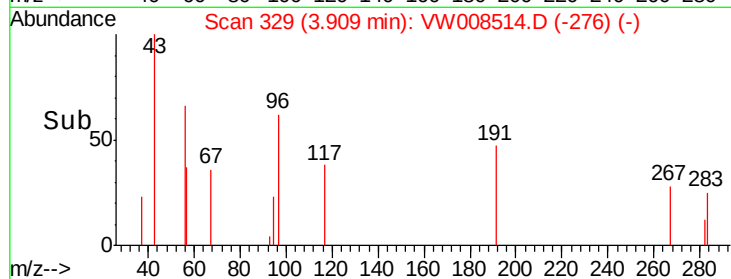
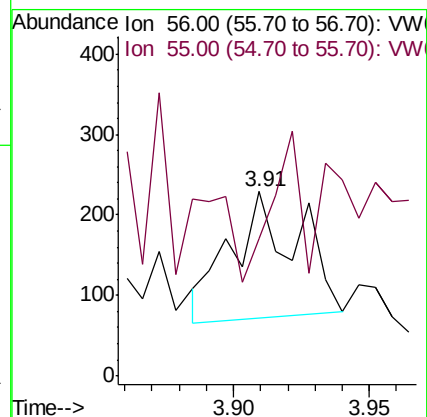
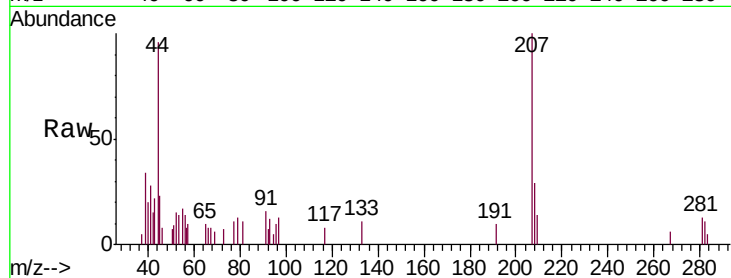
CL-02-020419-B

Tgt Ion: 56 Resp: 264

Ion Ratio Lower Upper

56 100

55 50.0 56.7 85.1#



#16

Acetone

Concen: 87.630 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008514.D

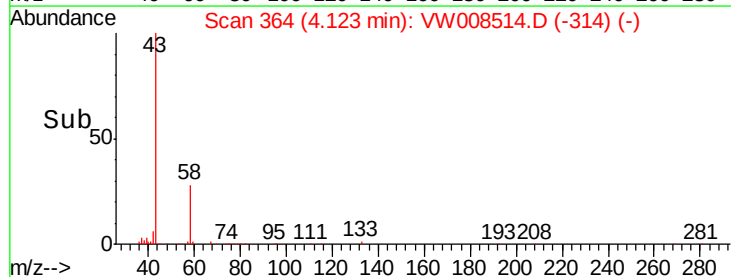
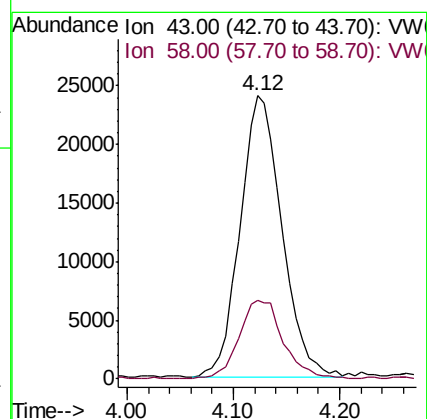
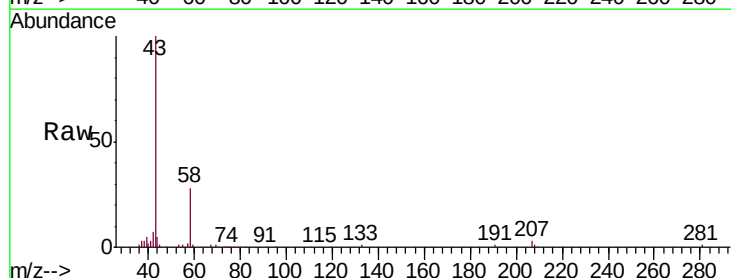
Acq: 04 Feb 2019 20:50

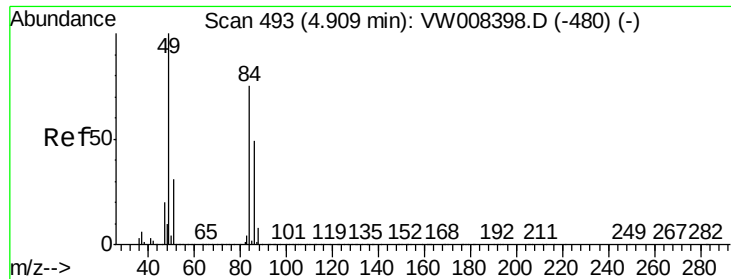
Tgt Ion: 43 Resp: 66297

Ion Ratio Lower Upper

43 100

58 28.0 22.6 34.0

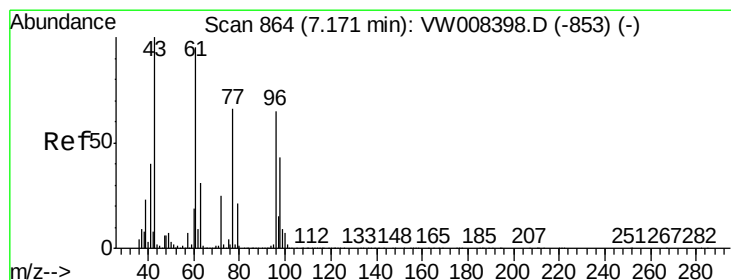
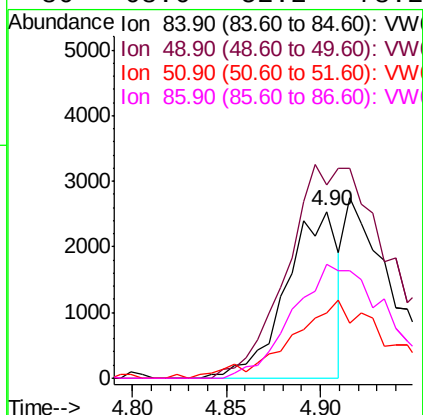
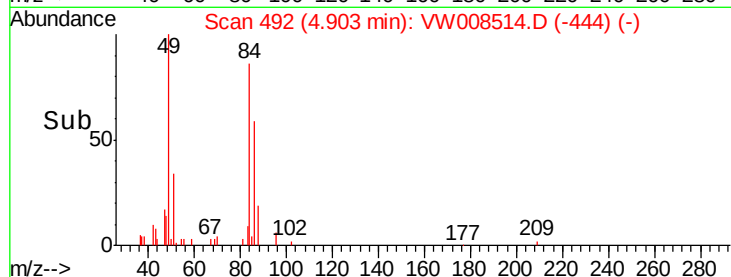
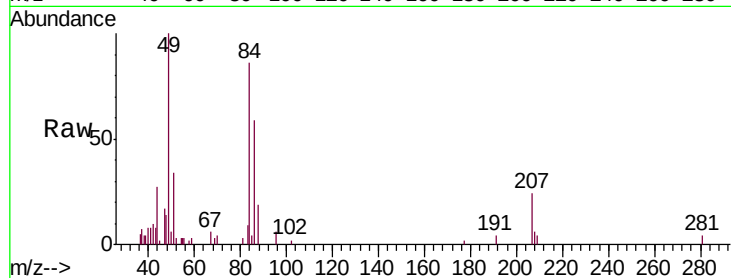




#20
Methylene Chloride
Concen: 1.401 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008514.D
Acq: 04 Feb 2019 20:50

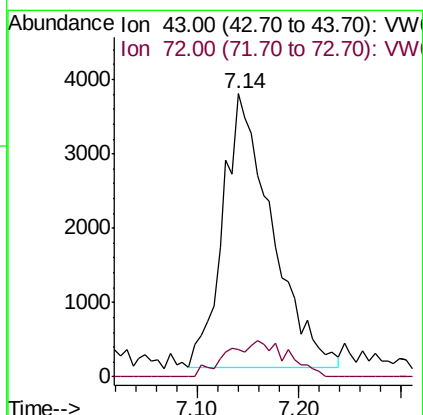
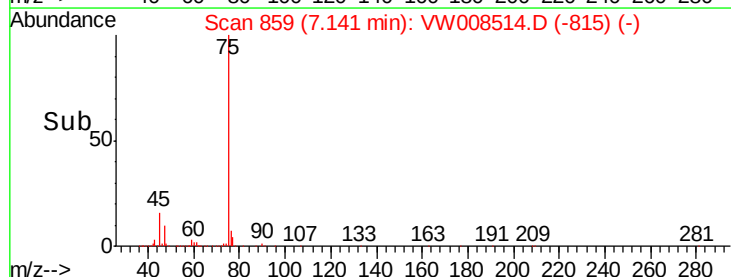
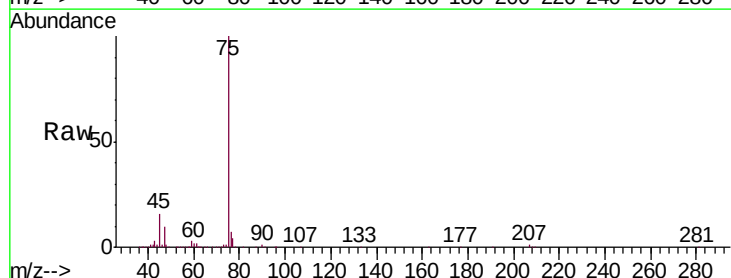
Instrument :
MSVOA_W
ClientSampleId :
CL-02-020419-B

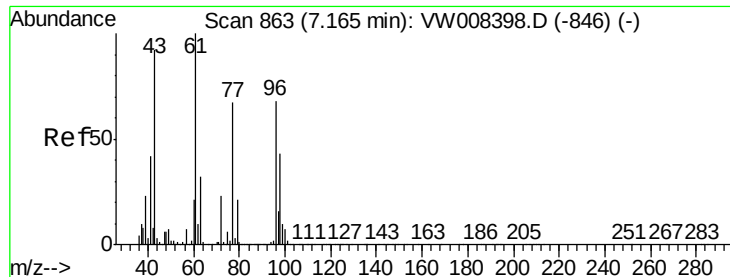
Tgt Ion:	84	Resp:	4886
Ion	Ratio	Lower	Upper
84	100		
49	116.0	106.8	160.2
51	39.4	32.9	49.3
86	68.6	52.2	78.2



#25
2-Butanone
Concen: 11.658 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW008514.D
Acq: 04 Feb 2019 20:50

Tgt Ion:	43	Resp:	12251
Ion	Ratio	Lower	Upper
43	100		
72	10.2	20.1	30.1#

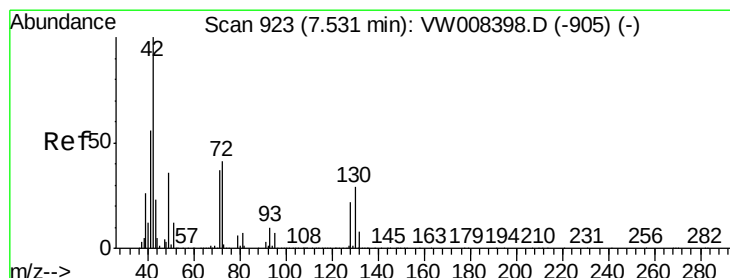
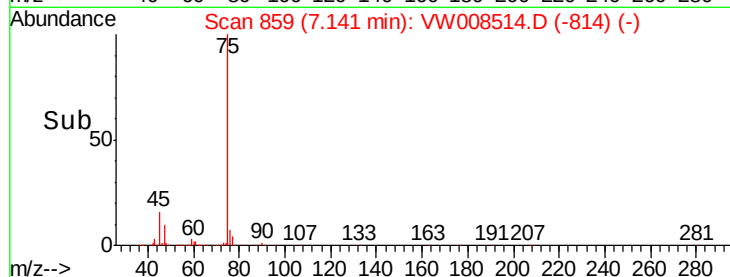
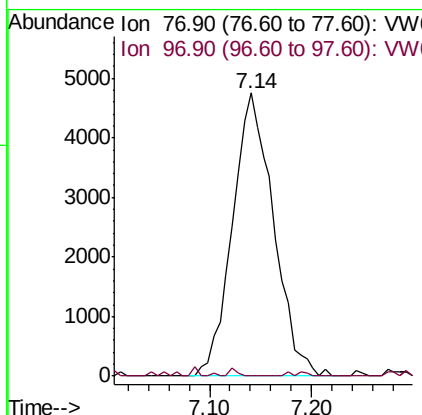
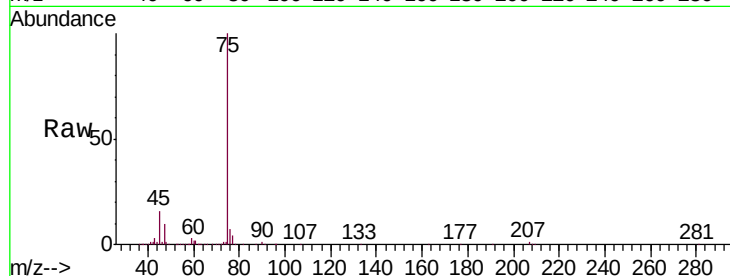




#26
 2,2-Dichloropropane
 Concen: 3.067 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW008514.D
 Acq: 04 Feb 2019 20:50

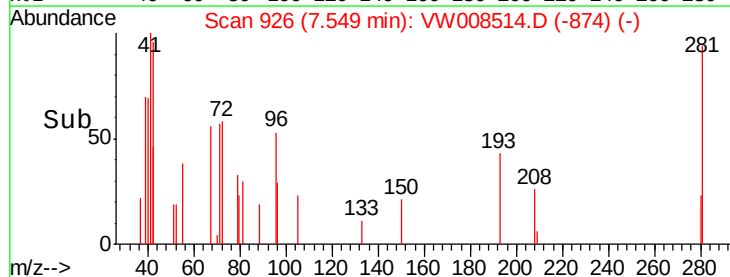
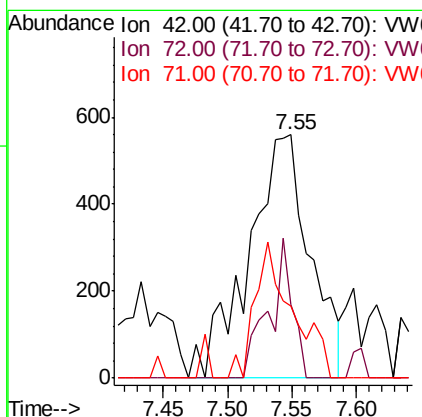
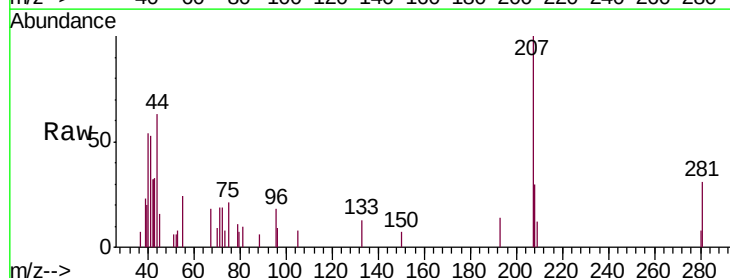
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-020419-B

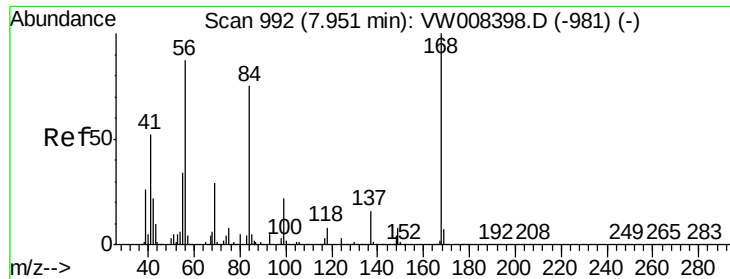
Tgt Ion: 77 Resp: 13258
 Ion Ratio Lower Upper
 77 100
 97 0.6 11.5 34.5#



#29
 Tetrahydrofuran
 Concen: 2.792 ug/l
 RT: 7.55 min Scan# 926
 Delta R.T. 0.02 min
 Lab File: VW008514.D
 Acq: 04 Feb 2019 20:50

Tgt Ion: 42 Resp: 1859
 Ion Ratio Lower Upper
 42 100
 72 21.6 31.9 47.9#
 71 33.8 29.9 44.9





#31

Cyclohexane

Concen: 1.200 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008514.D

Acq: 04 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

CL-02-020419-B

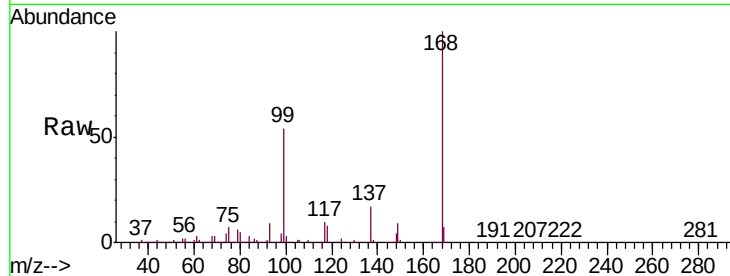
Tgt Ion: 56 Resp: 7937

Ion Ratio Lower Upper

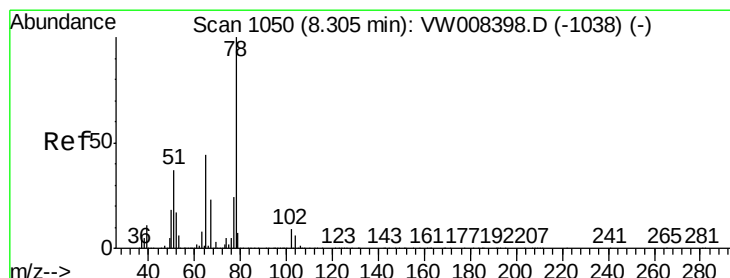
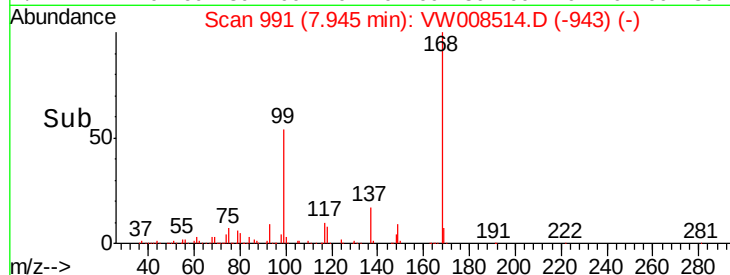
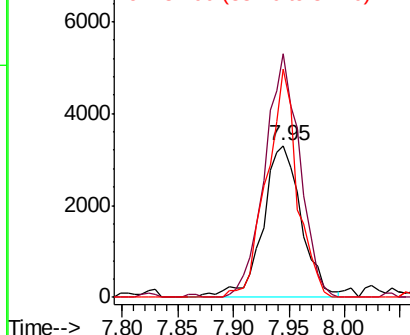
56 100

69 160.5 26.4 39.6#

84 150.2 69.1 103.7#



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: 55.983 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008514.D

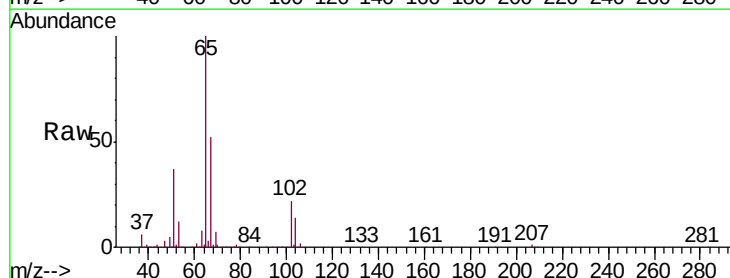
Acq: 04 Feb 2019 20:50

Tgt Ion: 65 Resp: 188608

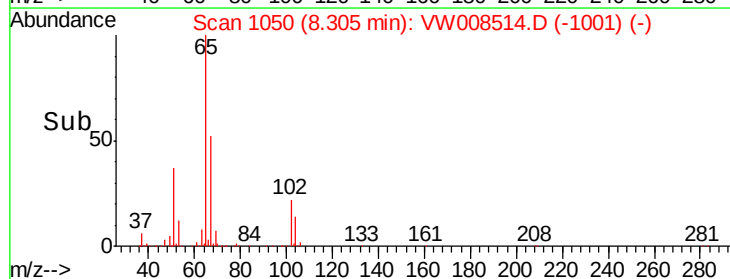
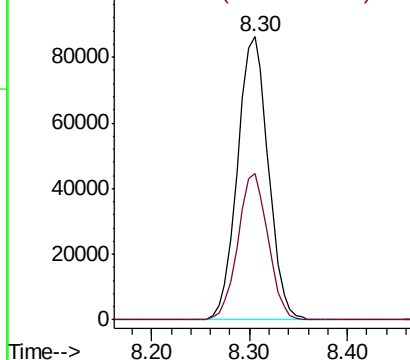
Ion Ratio Lower Upper

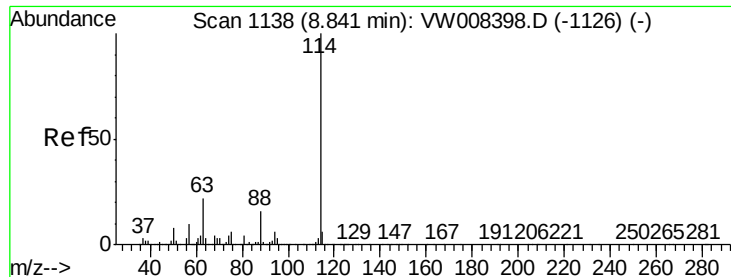
65 100

67 50.7 0.0 104.0



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: VW008514.D

Acq: 04 Feb 2019 20:50

Instrument :

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CL-02-020419-B

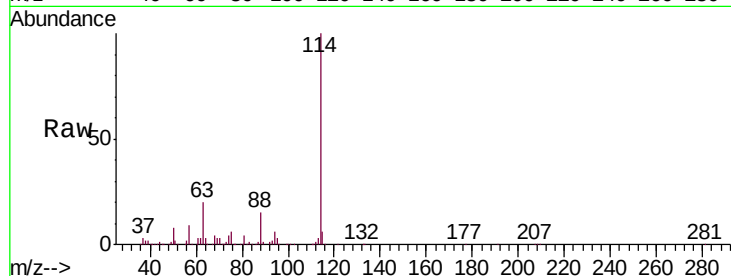
Tgt Ion:114 Resp: 554055

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.6

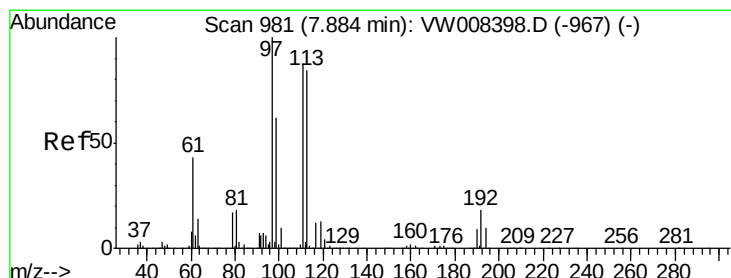
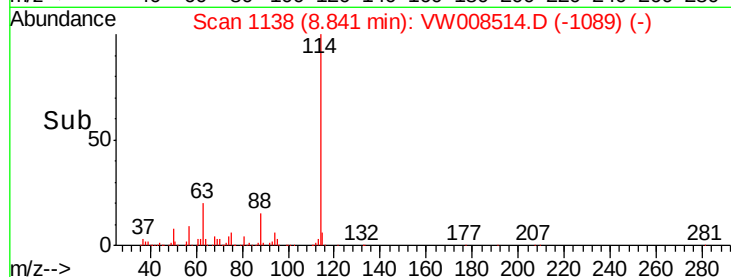
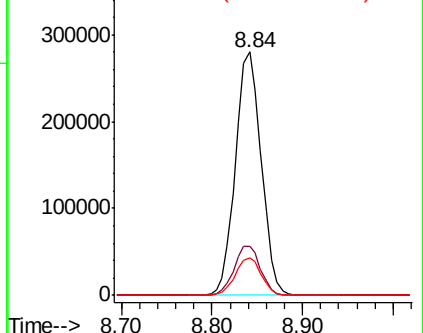
88 15.3 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 54.318 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008514.D

Acq: 04 Feb 2019 20:50

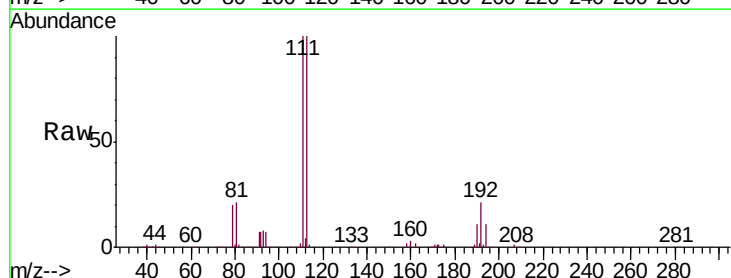
Tgt Ion:113 Resp: 175976

Ion Ratio Lower Upper

113 100

111 102.1 81.0 121.4

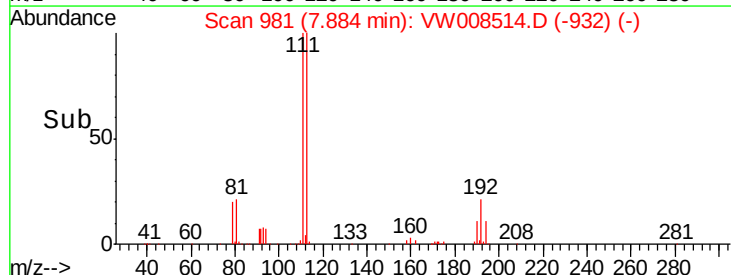
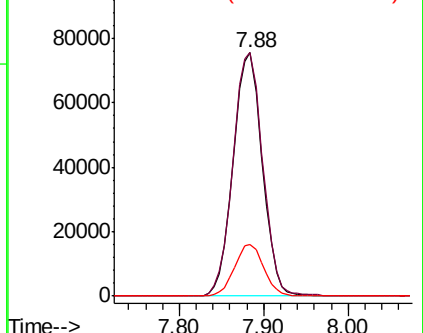
192 21.4 16.8 25.2

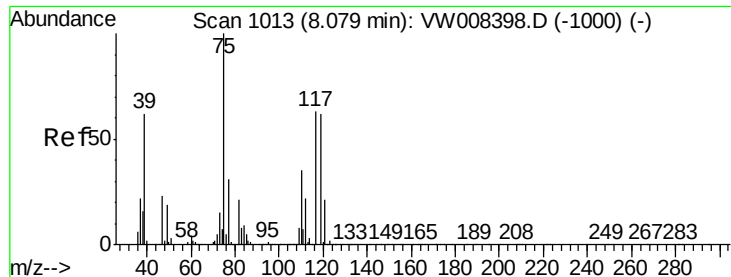


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.859 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008514.D

Acq: 04 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

CL-02-020419-B

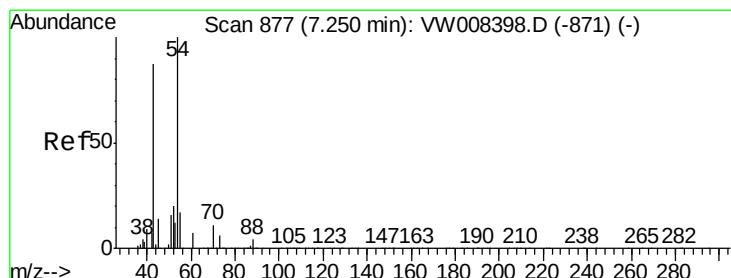
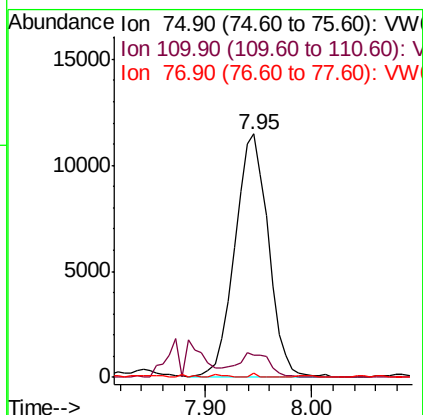
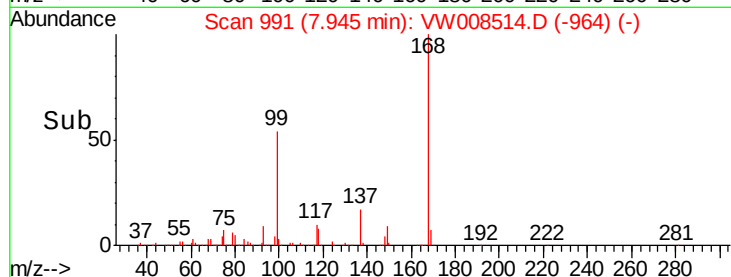
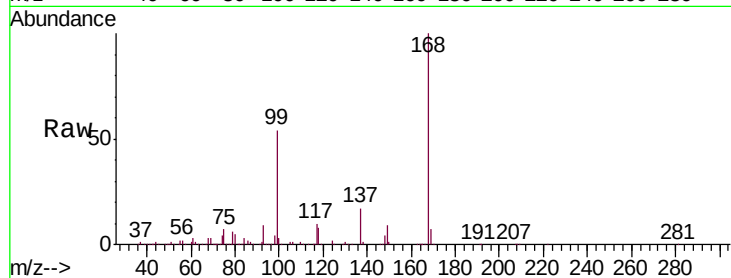
Tgt Ion: 75 Resp: 25428

Ion Ratio Lower Upper

75 100

110 9.9 17.3 52.0#

77 0.2 24.7 37.1#



#37

Ethyl Acetate

Concen: 5.291 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.11 min

Lab File: VW008514.D

Acq: 04 Feb 2019 20:50

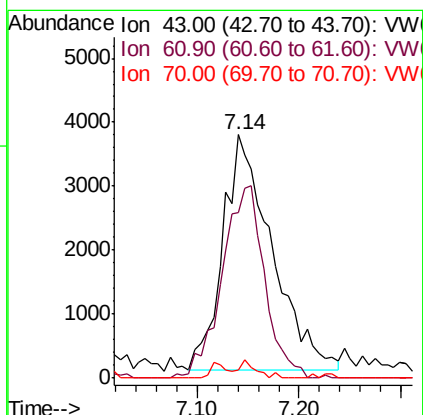
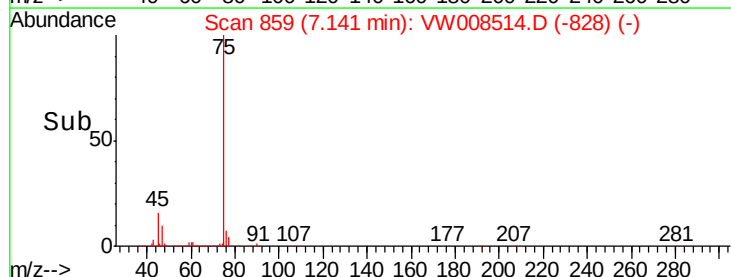
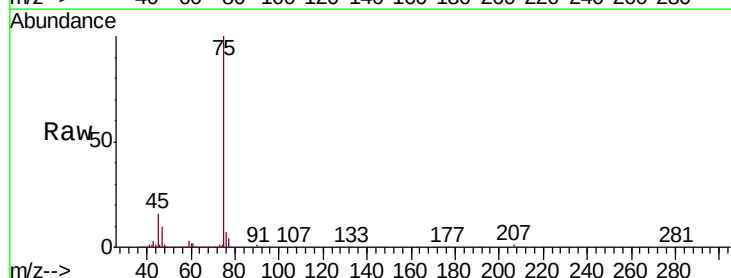
Tgt Ion: 43 Resp: 12251

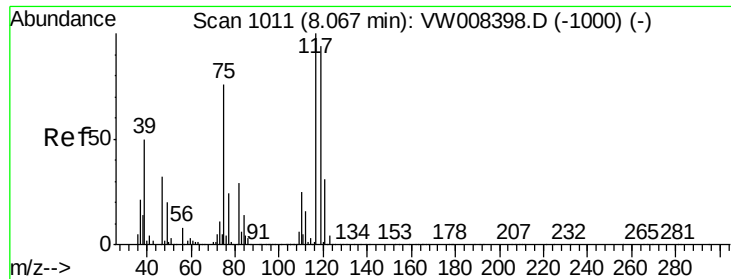
Ion Ratio Lower Upper

43 100

61 70.9 10.1 15.1#

70 2.5 7.8 11.6#

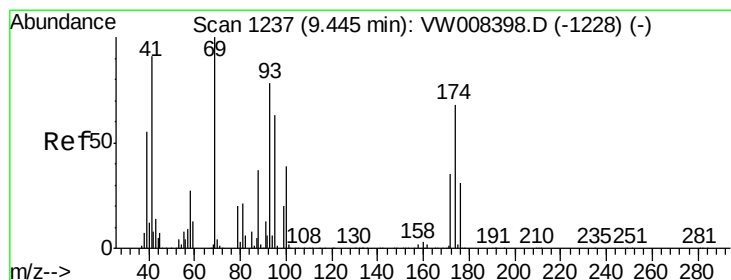
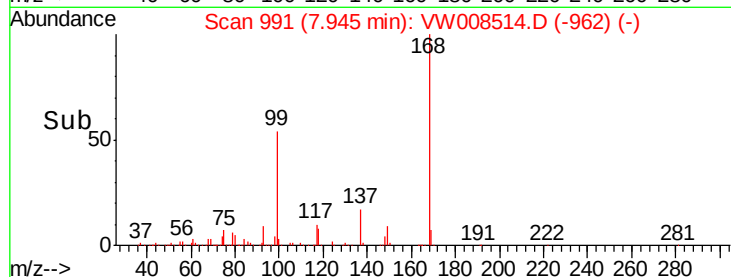
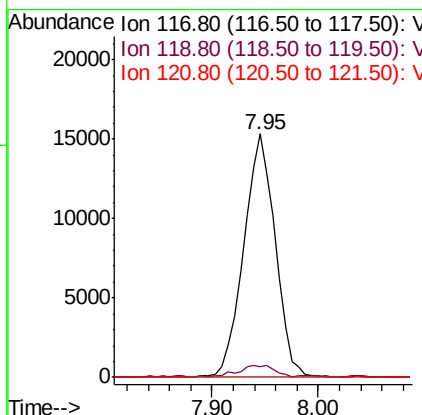
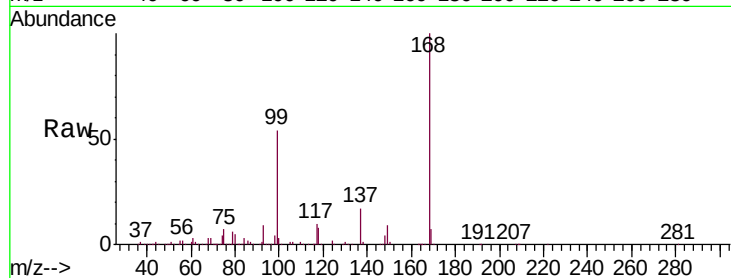




#38
Carbon Tetrachloride
Concen: 6.048 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008514.D
Acq: 04 Feb 2019 20:50

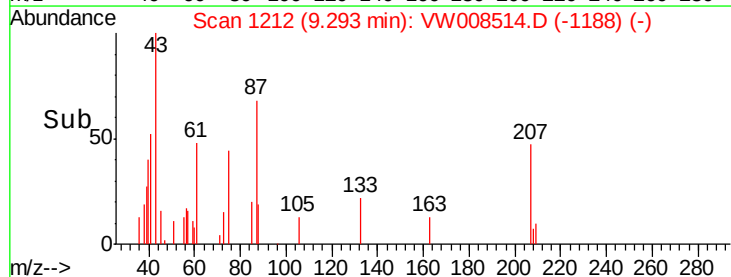
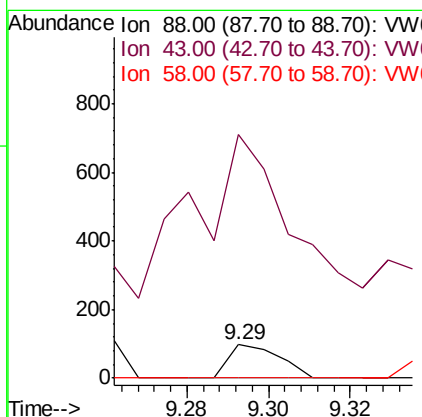
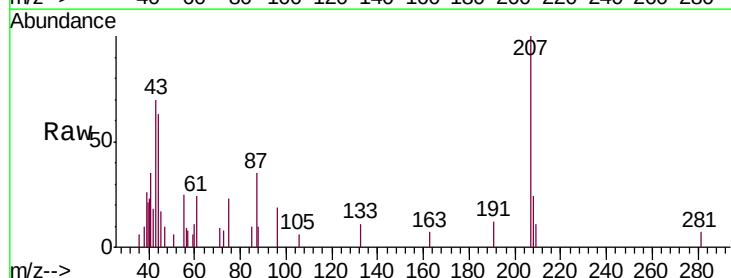
Instrument :
MSVOA_W
ClientSampleId :
CL-02-020419-B

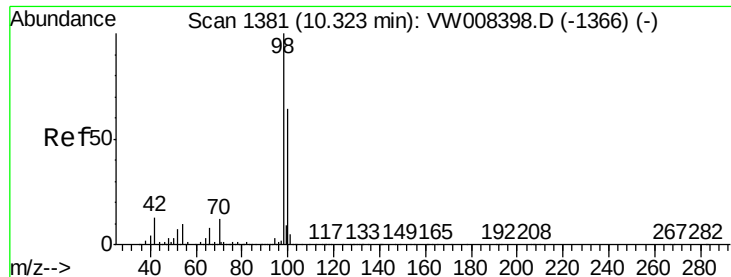
Tgt Ion: 117 Resp: 31852
Ion Ratio Lower Upper
117 100
119 4.5 75.0 112.4#
121 0.0 24.9 37.3#



#49
1,4-Dioxane
Concen: 2.668 ug/l
RT: 9.29 min Scan# 1212
Delta R.T. -0.15 min
Lab File: VW008514.D
Acq: 04 Feb 2019 20:50

Tgt Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
43 1561.9 29.0 43.4#
58 0.0 56.4 84.6#





#50

Toluene-d8

Concen: 48.866 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008514.D

Acq: 04 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

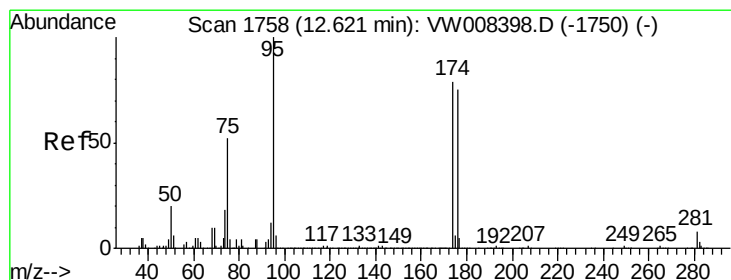
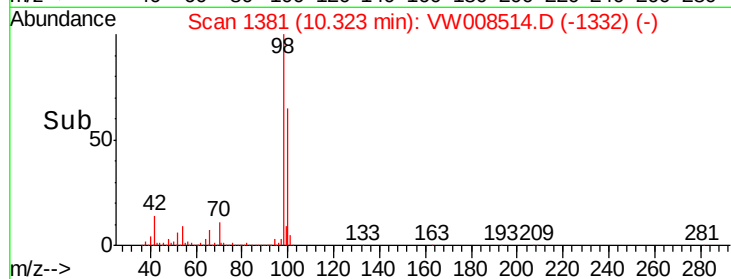
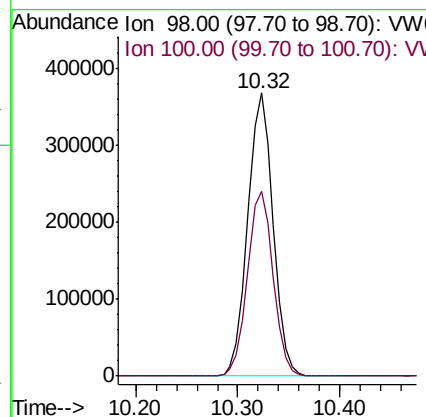
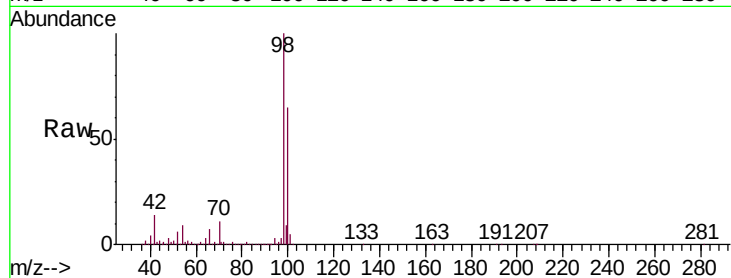
CL-02-020419-B

Tgt Ion: 98 Resp: 634848

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 40.145 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008514.D

Acq: 04 Feb 2019 20:50

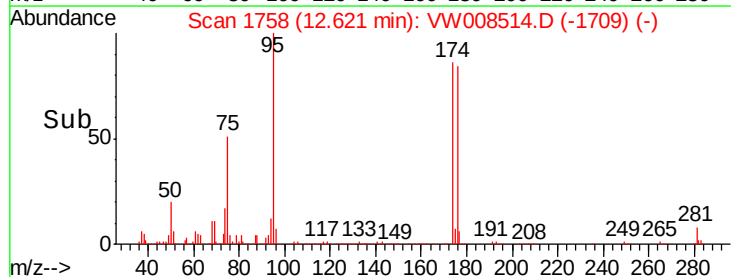
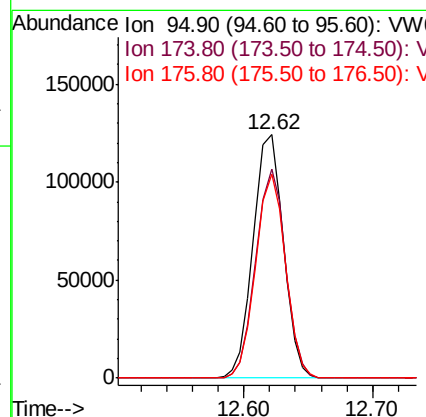
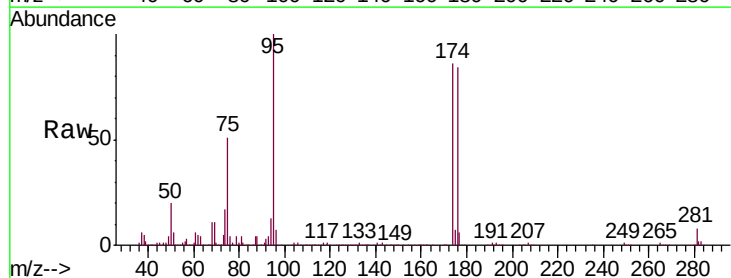
Tgt Ion: 95 Resp: 200475

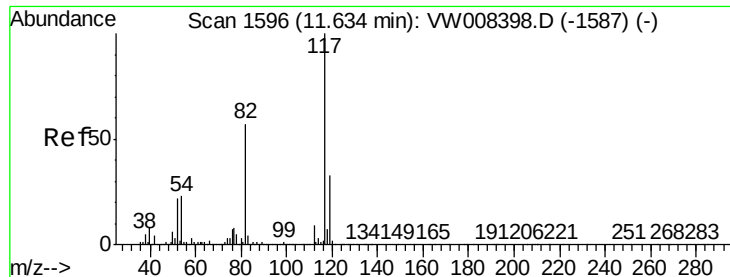
Ion Ratio Lower Upper

95 100

174 84.9 0.0 157.6

176 83.2 0.0 151.8

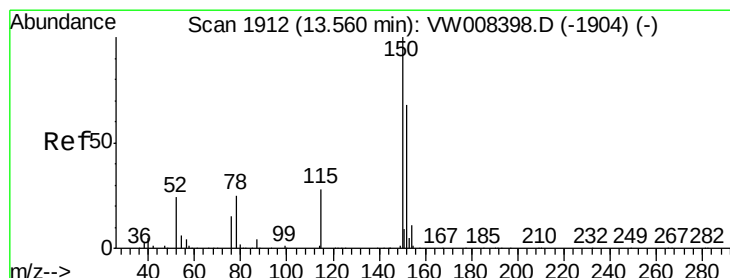
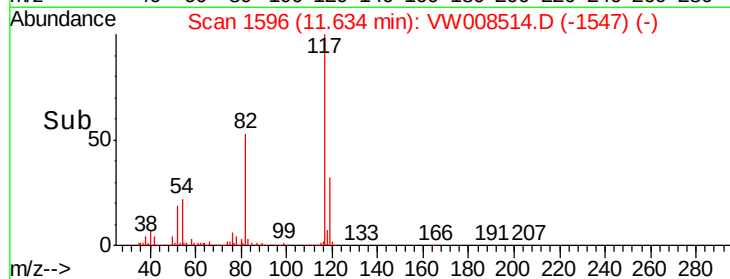
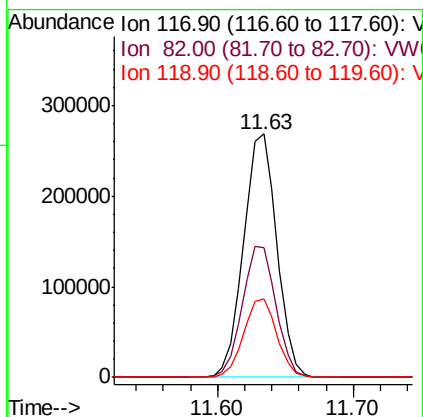
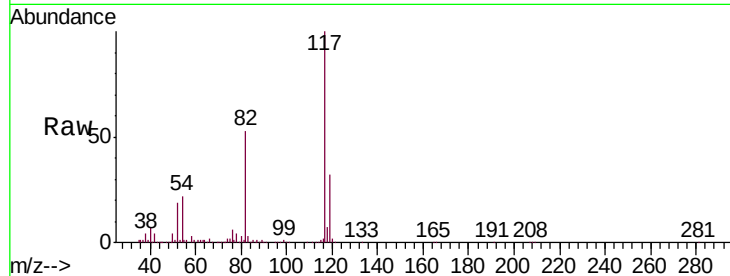




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008514.D
Acq: 04 Feb 2019 20:50

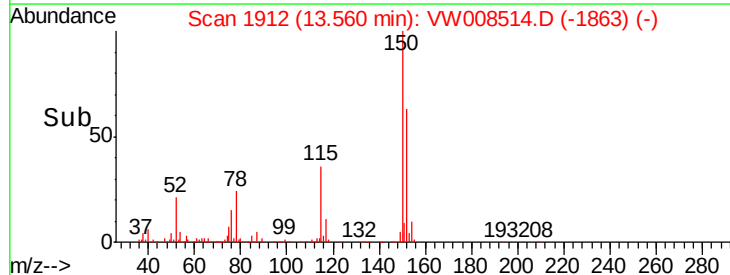
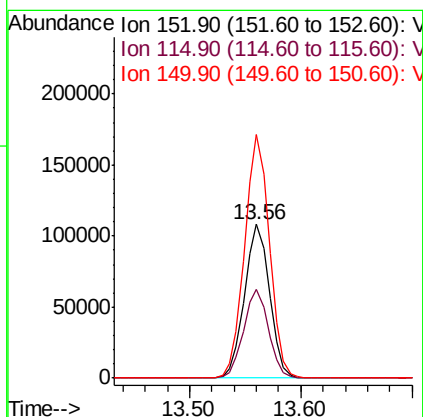
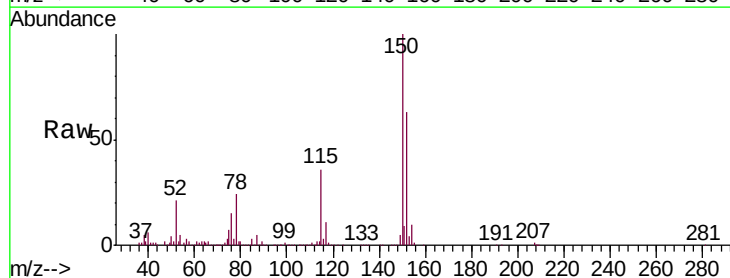
Instrument :
MSVOA_W
ClientSampled :
CL-02-020419-B

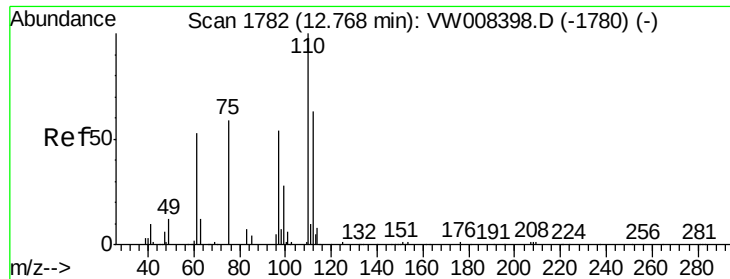
Tgt Ion:117 Resp: 461149
Ion Ratio Lower Upper
117 100
82 53.3 45.4 68.0
119 32.4 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008514.D
Acq: 04 Feb 2019 20:50

Tgt Ion:152 Resp: 169457
Ion Ratio Lower Upper
152 100
115 57.2 29.9 89.7
150 156.6 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 70.264 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008514.D

Acq: 04 Feb 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

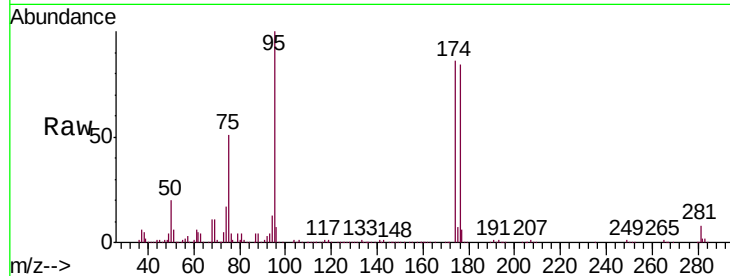
CL-02-020419-B

Tgt Ion: 75 Resp: 103520

Ion Ratio Lower Upper

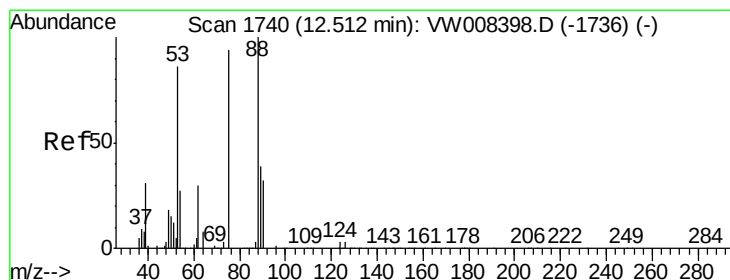
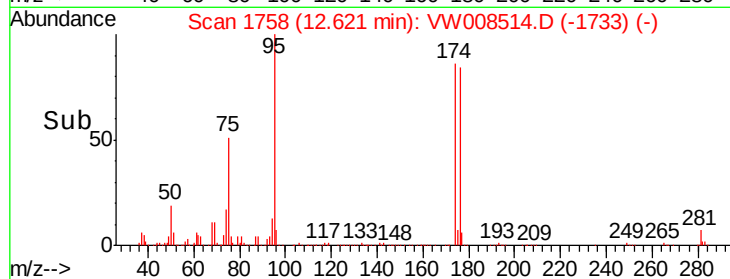
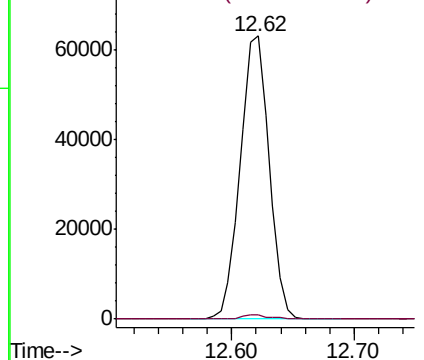
75 100

77 1.7 180.7 542.1#



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: 138.776 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008514.D

Acq: 04 Feb 2019 20:50

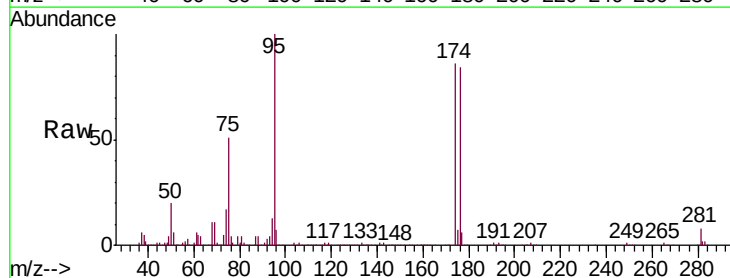
Tgt Ion: 75 Resp: 103520

Ion Ratio Lower Upper

75 100

53 0.3 76.0 114.0#

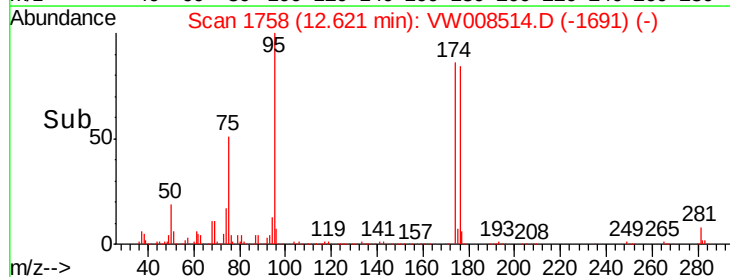
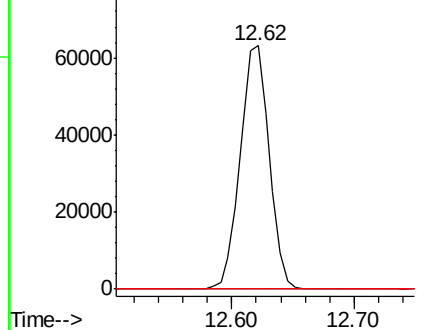
89 0.1 35.4 53.0#

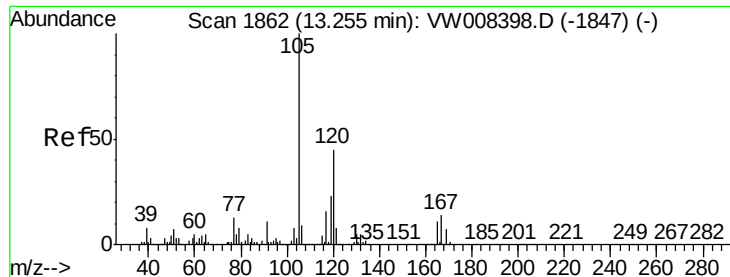


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

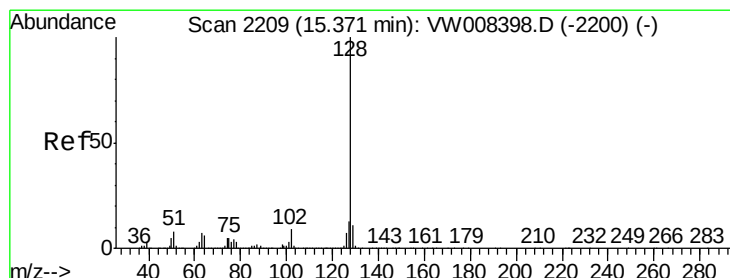
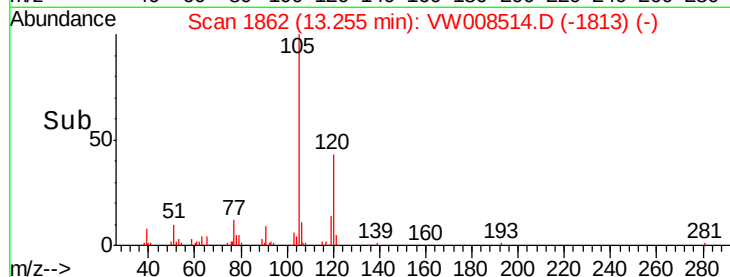
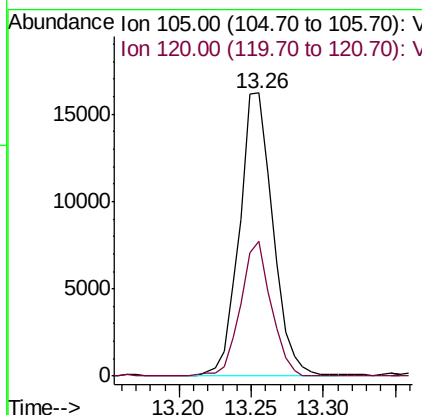
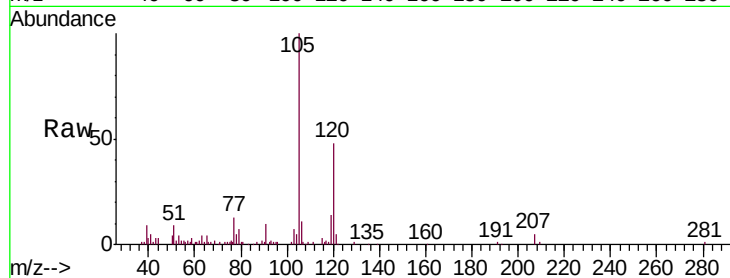




#84
 1,2,4-Trimethylbenzene
 Concen: 2.441 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008514.D
 Acq: 04 Feb 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-020419-B

Tgt Ion:105 Resp: 26204
 Ion Ratio Lower Upper
 105 100
 120 43.4 23.1 69.2



#95
 Naphthalene
 Concen: 3.912 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW008514.D
 Acq: 04 Feb 2019 20:50

Tgt Ion:128 Resp: 24167
 Ion Ratio Lower Upper
 128 100
 127 17.7 10.6 15.8#
 129 10.7 8.7 13.1

