

Data File : VW013161.D
Acq On : 19 Sep 2019 15:18
Operator : SY/VA
Sample : K4662-09
Misc : 5.83G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CL-02-091819

Quant Time: Sep 20 07:46:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	502707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	424878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	188513	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147241	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
35) Dibromofluoromethane	7.88	113	141355	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	10.32	98	586155	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
62) 4-Bromofluorobenzene	12.62	95	186832	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	

Target Compounds

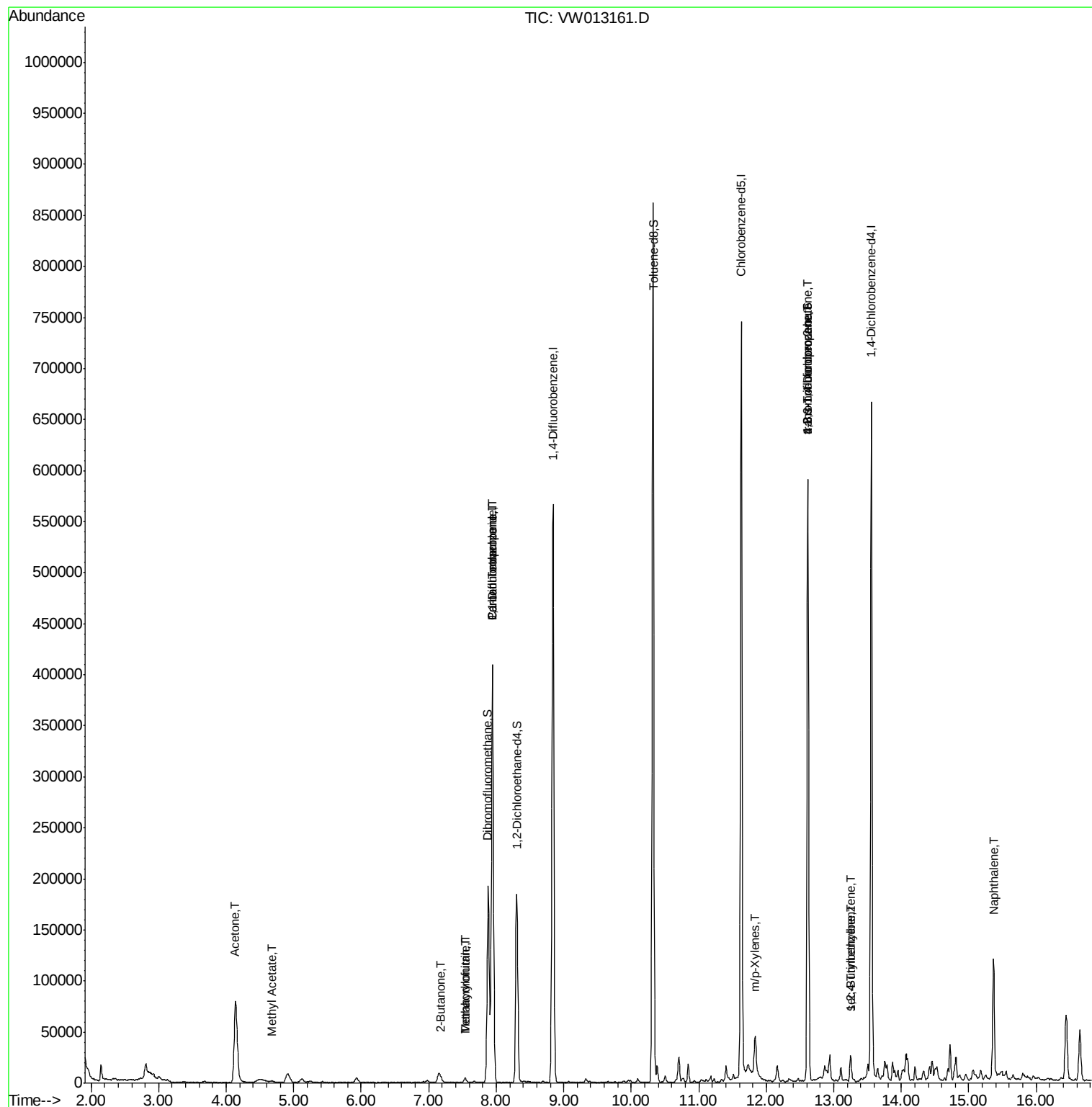
						Qvalue
3) Chloromethane	2.21	50	308	Below Cal	#	41
11) Tert butyl alcohol	5.12	59	3747	Below Cal	#	72
16) Acetone	4.14	43	170386	252.475	ug/l	91
18) Methyl Acetate	4.68	43	3901	2.200	ug/l #	76
20) Methylene Chloride	4.92	84	6912	Below Cal	#	91
25) 2-Butanone	7.18	43	3947	3.988	ug/l	92
26) 2,2-Dichloropropane	7.13	77	209	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	3602	6.387	ug/l	92
31) Cyclohexane	7.94	56	5271	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	22588	5.623	ug/l #	52
38) Carbon Tetrachloride	7.94	117	28904	7.021	ug/l #	16
41) Methacrylonitrile	7.53	41	1456	1.037	ug/l #	50
68) m/p-Xylenes	11.83	106	10408	2.038	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	88059	53.329	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	88059	120.977	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.25	105	15168	1.452	ug/l	99
85) sec-Butylbenzene	13.25	105	15168	1.177	ug/l #	56
95) Naphthalene	15.36	128	103321	17.303	ug/l	100

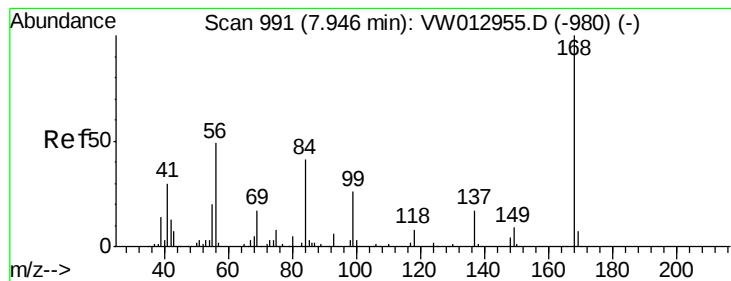
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013161.D

Acq: 19 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

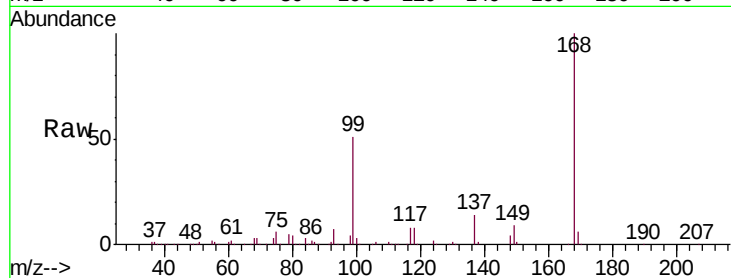
CL-02-091819

Tgt Ion:168 Resp: 337009

Ion Ratio Lower Upper

168 100

99 50.8 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

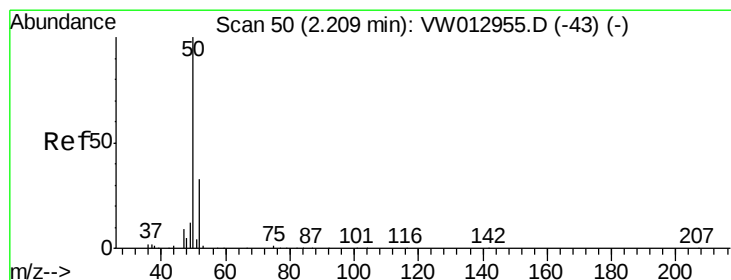
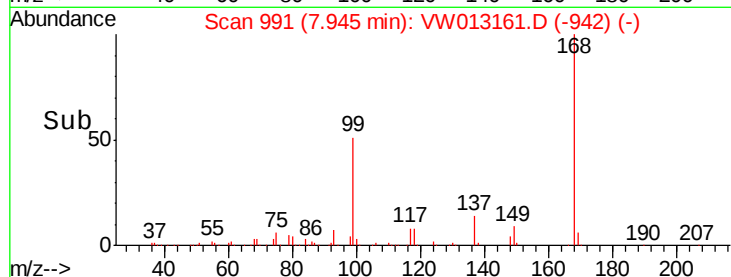
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013161.D

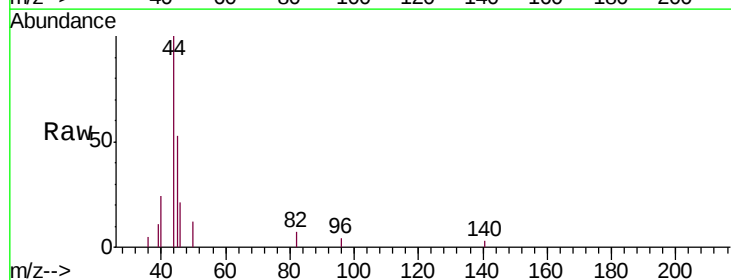
Acq: 19 Sep 2019 15:18

Tgt Ion: 50 Resp: 308

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

250

200

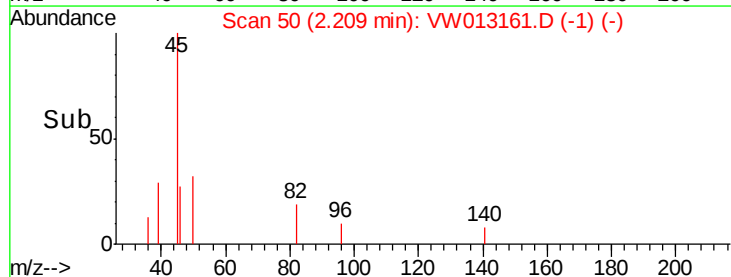
150

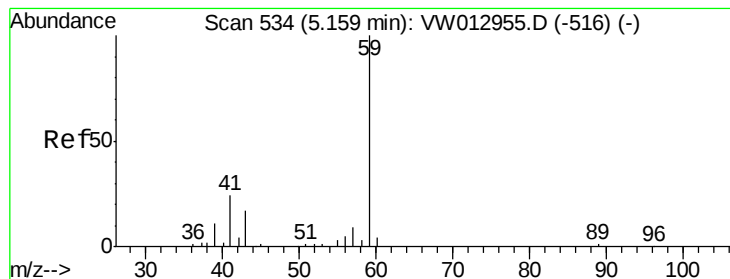
100

50

0

Time-->



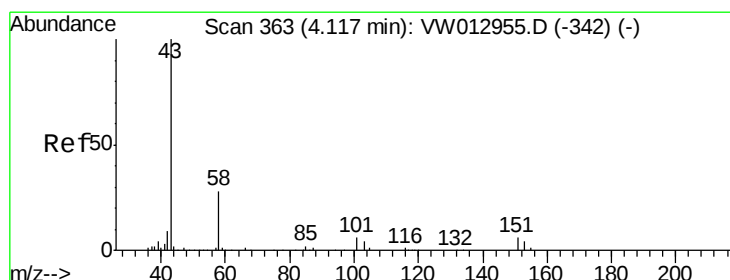
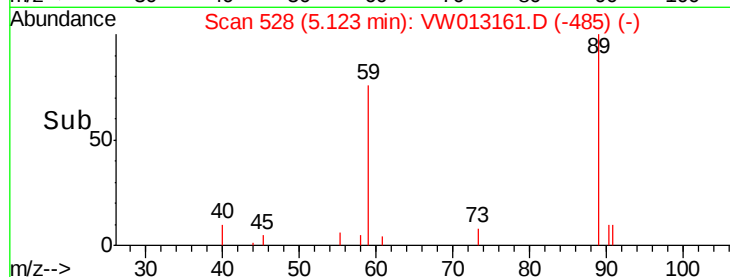
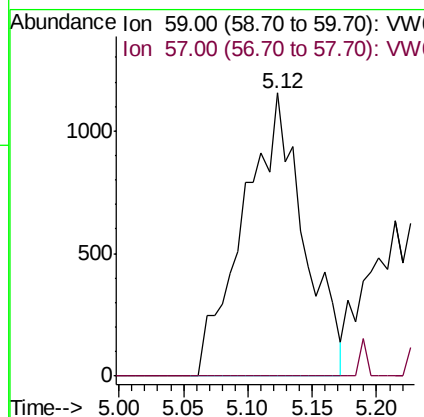
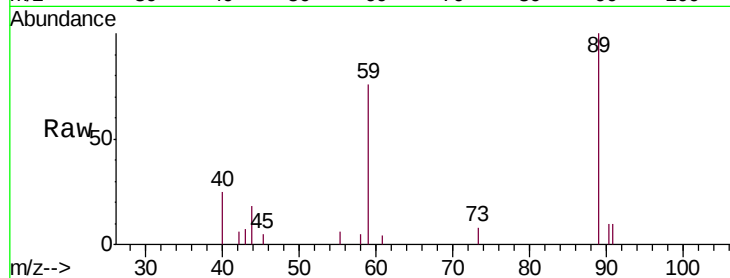


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.12 min Scan# 528
 Delta R.T. -0.04 min
 Lab File: VW013161.D
 Acq: 19 Sep 2019 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-091819

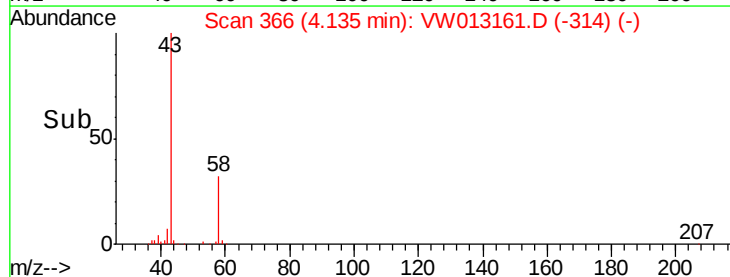
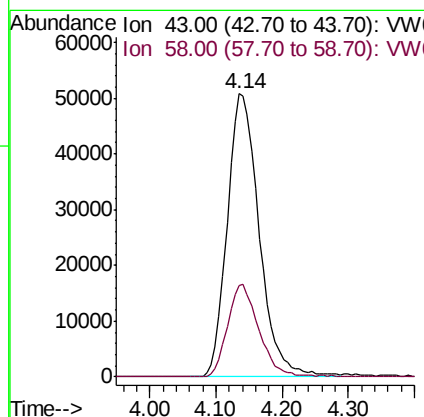
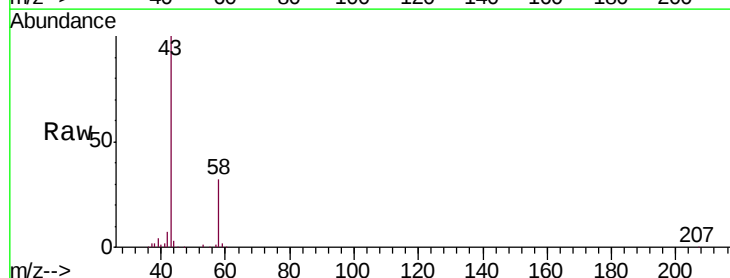
Tgt Ion: 59 Resp: 3747
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

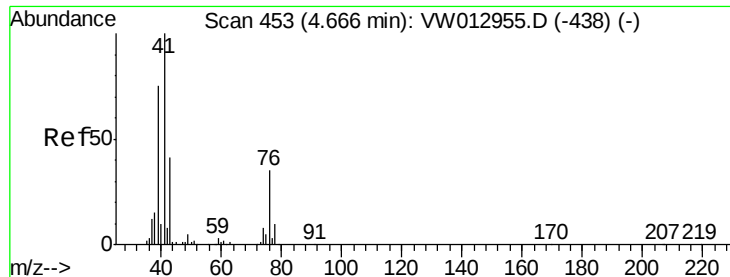


#16

Acetone
 Concen: 252.475 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VW013161.D
 Acq: 19 Sep 2019 15:18

Tgt Ion: 43 Resp: 170386
 Ion Ratio Lower Upper
 43 100
 58 32.5 22.3 33.5

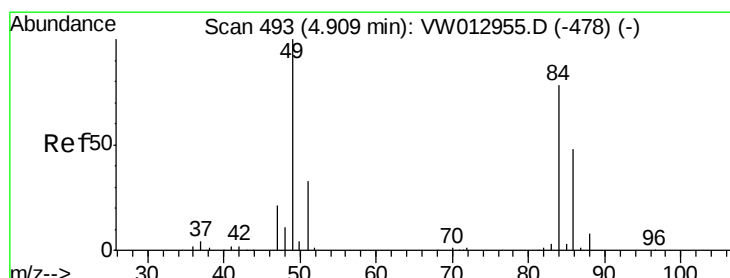
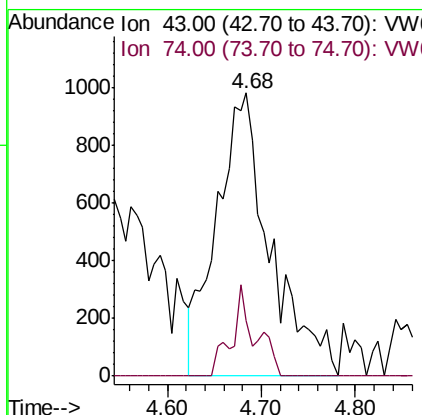
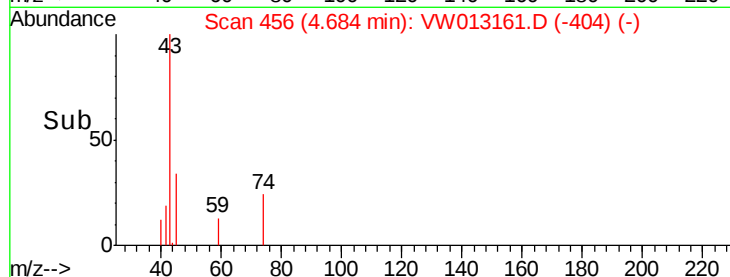
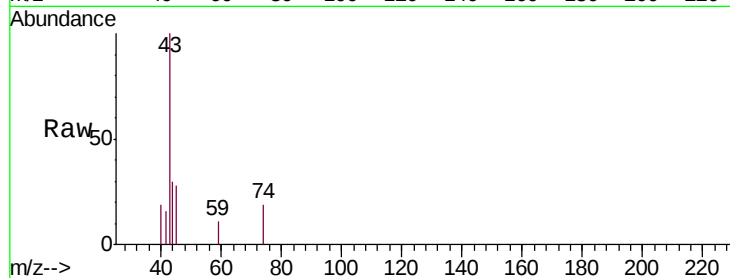




#18
Methyl Acetate
Concen: 2.200 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.02 min
Lab File: VW013161.D
Acq: 19 Sep 2019 15:18

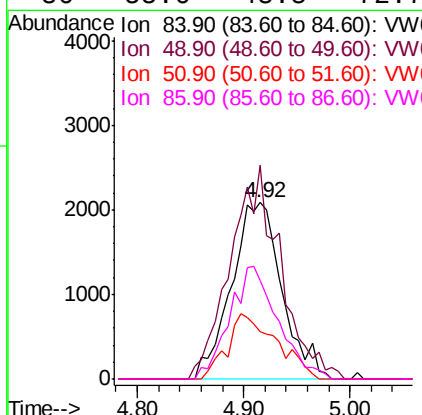
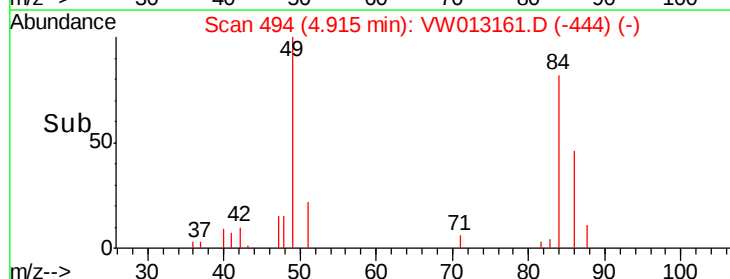
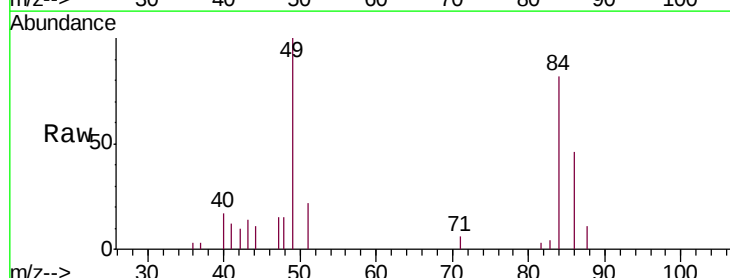
Instrument :
MSVOA_W
ClientSampleId :
CL-02-091819

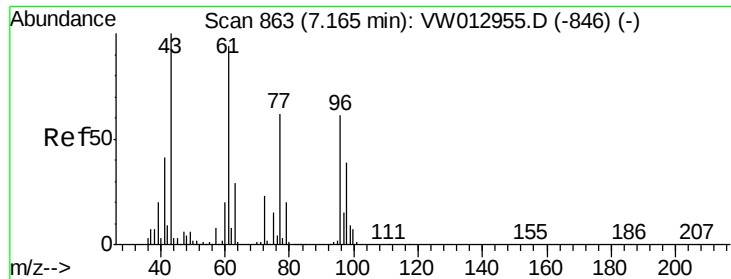
Tgt Ion: 43 Resp: 3901
Ion Ratio Lower Upper
43 100
74 10.8 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013161.D
Acq: 19 Sep 2019 15:18

Tgt Ion: 84 Resp: 6912
Ion Ratio Lower Upper
84 100
49 121.2 102.0 153.0
51 27.0 34.0 51.0#
86 55.6 48.5 72.7





#25

2-Butanone

Concen: 3.988 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW013161.D

Acq: 19 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

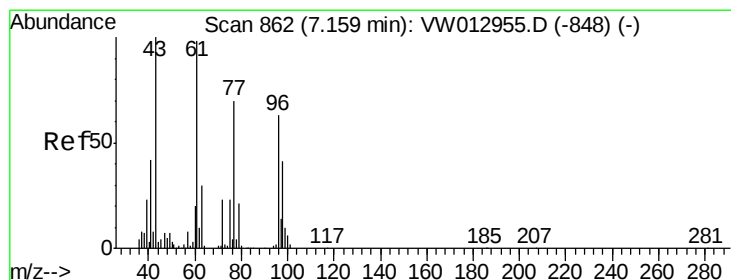
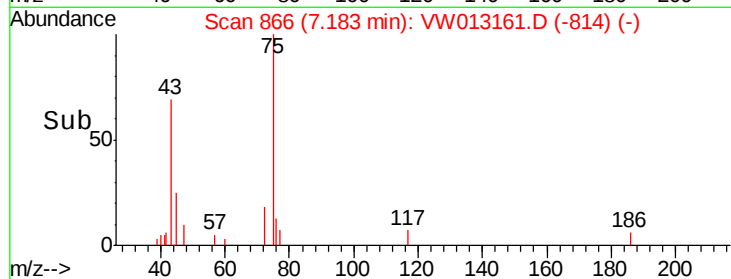
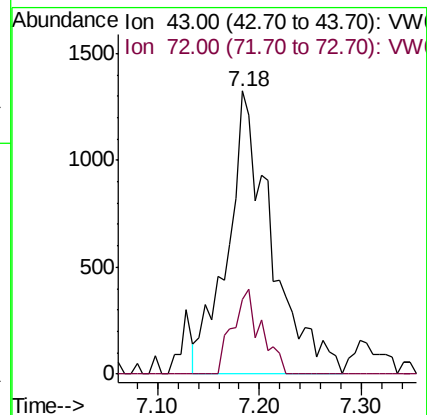
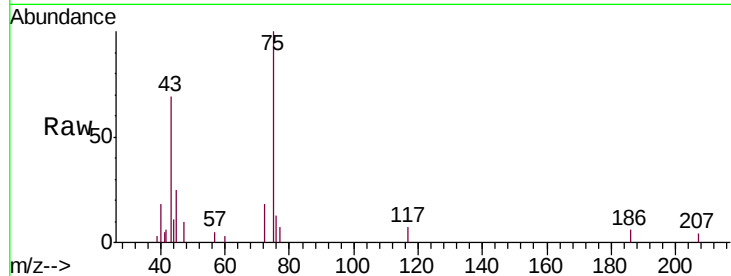
CL-02-091819

Tgt Ion: 43 Resp: 3947

Ion Ratio Lower Upper

43 100

72 26.6 18.2 27.4



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 857

Delta R.T. -0.03 min

Lab File: VW013161.D

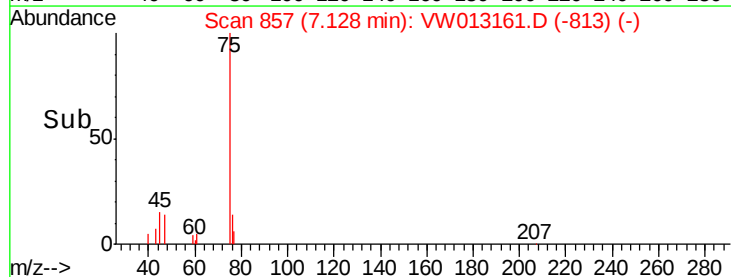
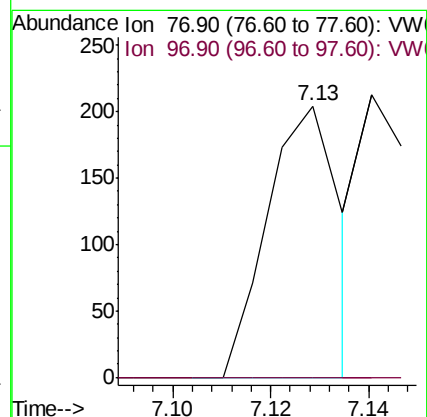
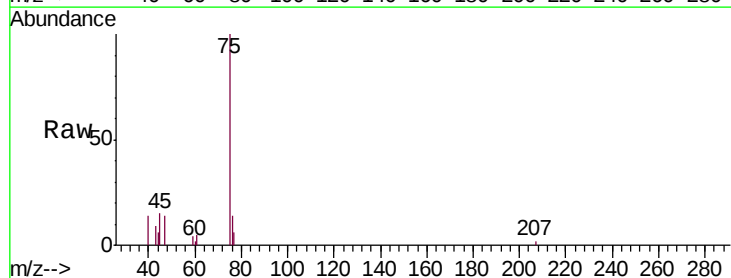
Acq: 19 Sep 2019 15:18

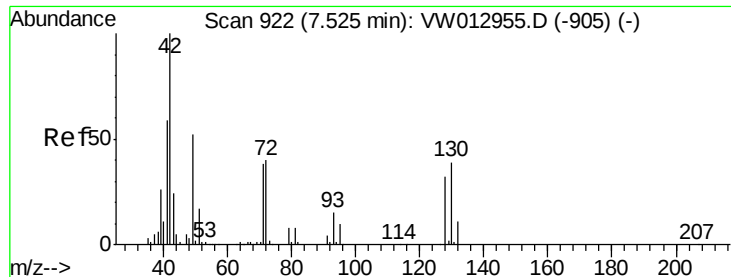
Tgt Ion: 77 Resp: 209

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#

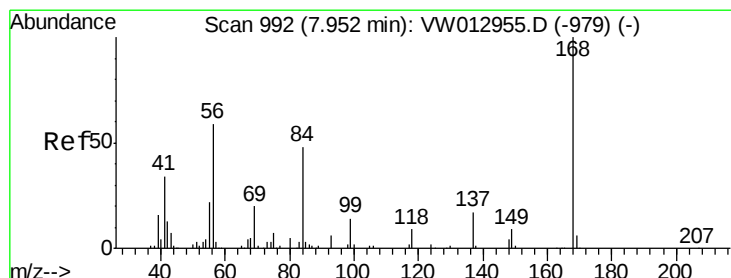
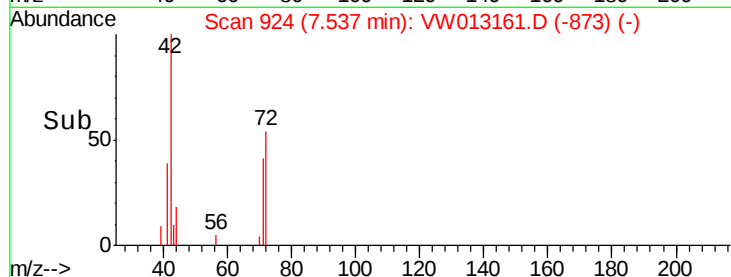
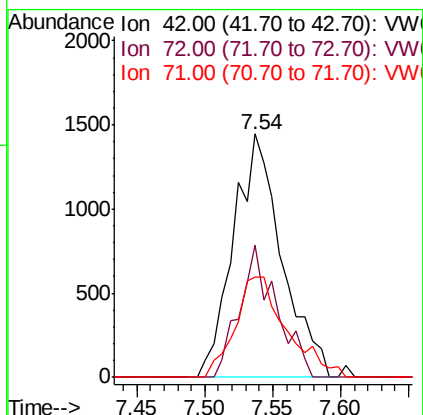
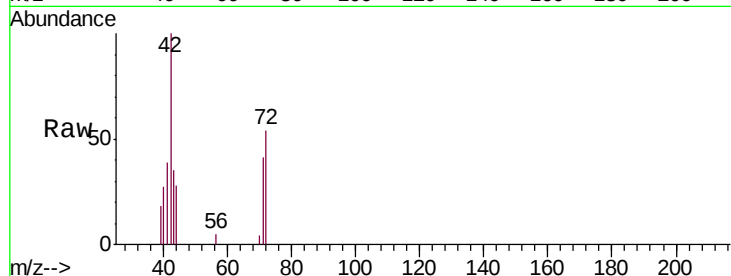




#29
Tetrahydrofuran
Concen: 6.387 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013161.D
Acq: 19 Sep 2019 15:18

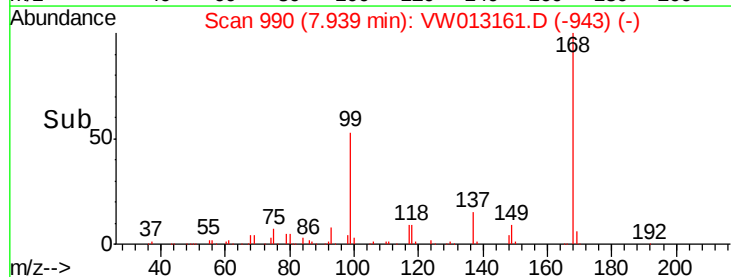
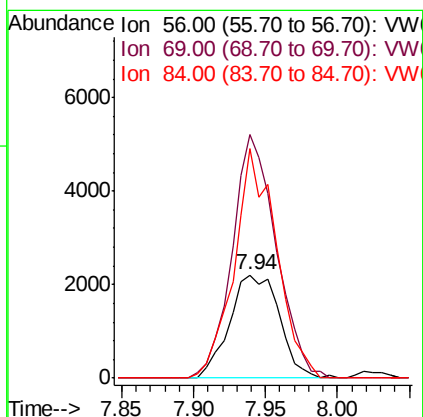
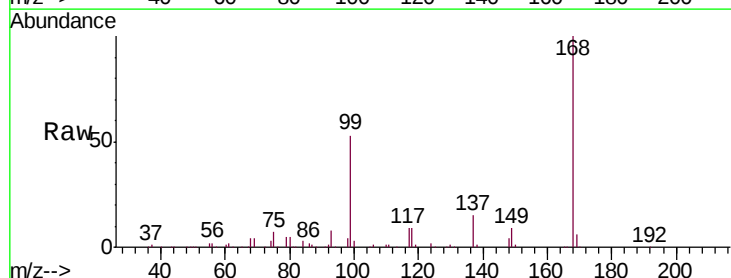
Instrument :
MSVOA_W
ClientSampleId :
CL-02-091819

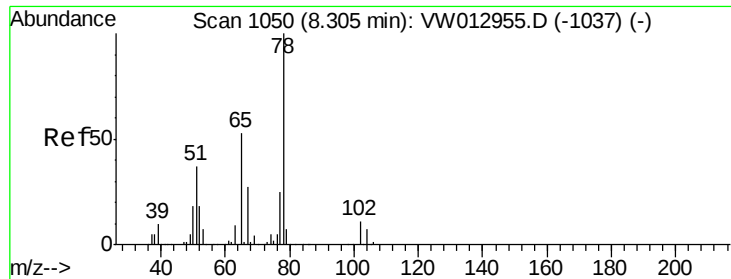
Tgt Ion: 42 Resp: 3602
Ion Ratio Lower Upper
42 100
72 41.7 31.4 47.0
71 44.0 29.8 44.8



#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013161.D
Acq: 19 Sep 2019 15:18

Tgt Ion: 56 Resp: 5271
Ion Ratio Lower Upper
56 100
69 236.8 27.0 40.6#
84 222.6 66.2 99.2#

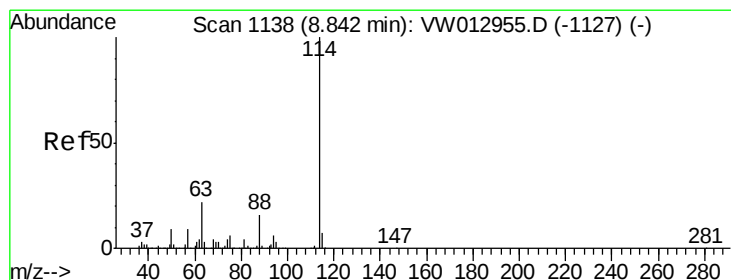
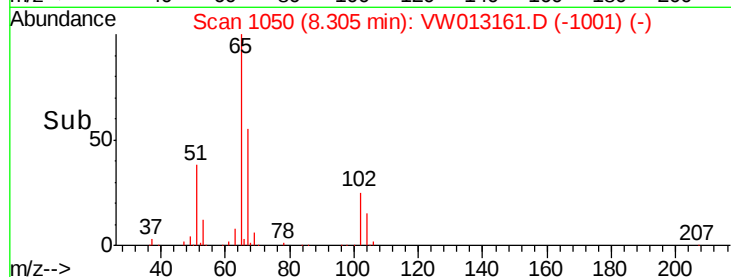
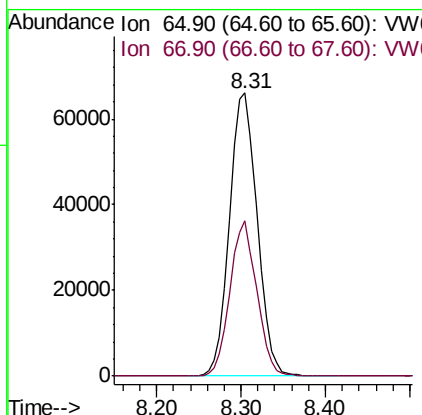
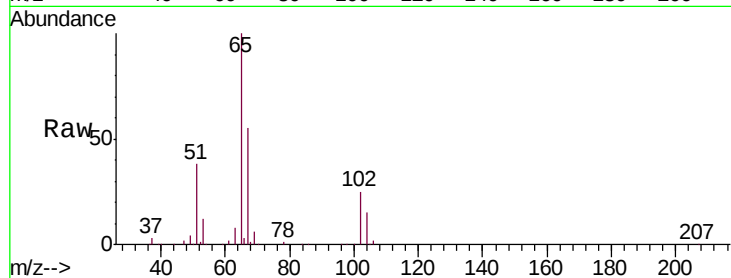




#33
 1,2-Dichloroethane-d4
 Concen: 47.306 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013161.D
 Acq: 19 Sep 2019 15:18

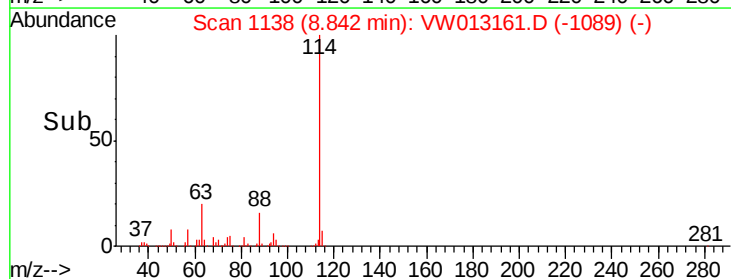
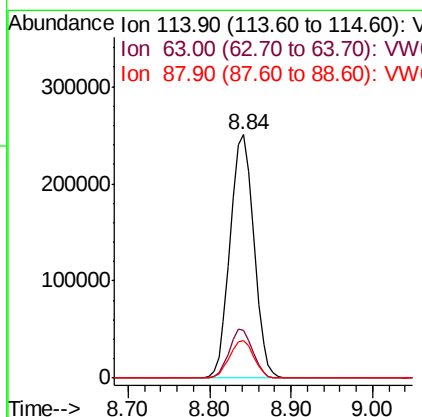
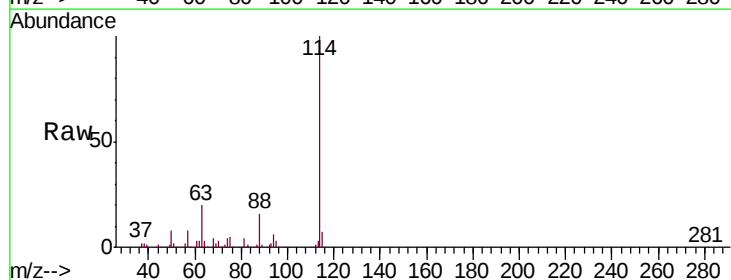
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-091819

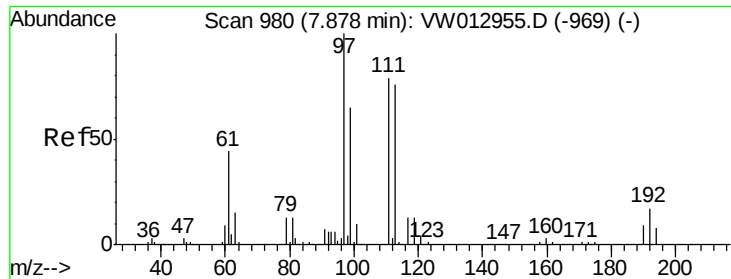
Tgt Ion: 65 Resp: 147241
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013161.D
 Acq: 19 Sep 2019 15:18

Tgt Ion: 114 Resp: 502707
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 43.4
 88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.821 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013161.D

Acq: 19 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

CL-02-091819

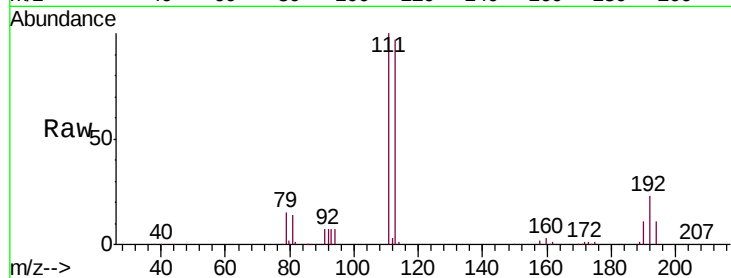
Tgt Ion: 113 Resp: 141355

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

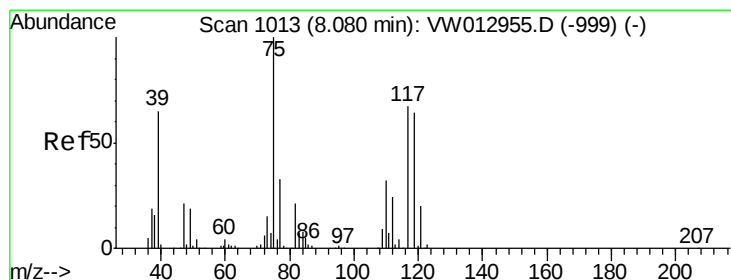
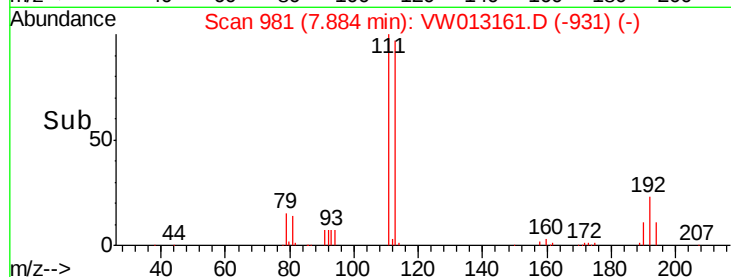
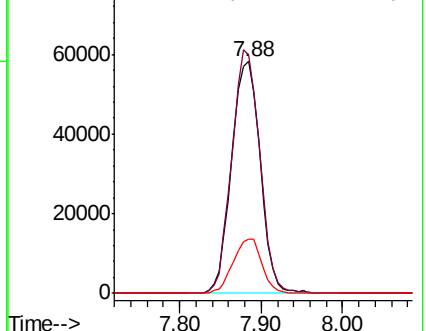
192 23.3 17.8 26.8



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: 5.623 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013161.D

Acq: 19 Sep 2019 15:18

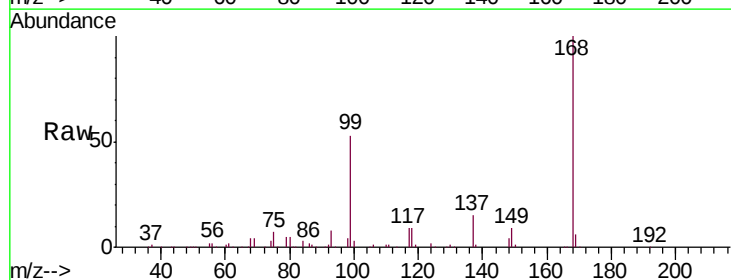
Tgt Ion: 75 Resp: 22588

Ion Ratio Lower Upper

75 100

110 10.0 16.4 49.1#

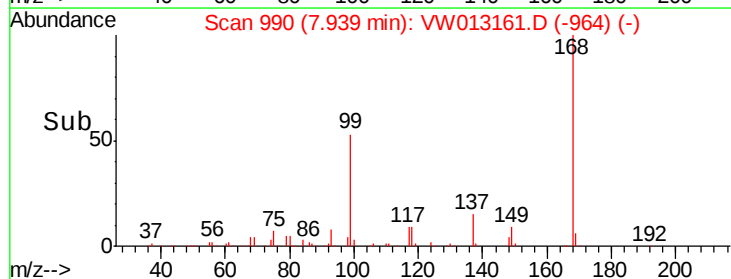
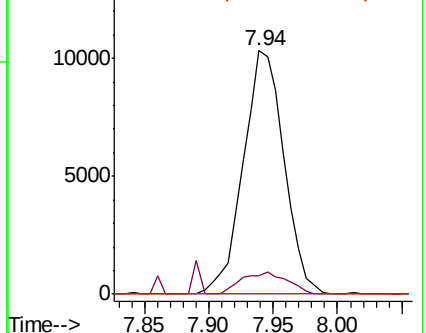
77 0.0 25.1 37.7#

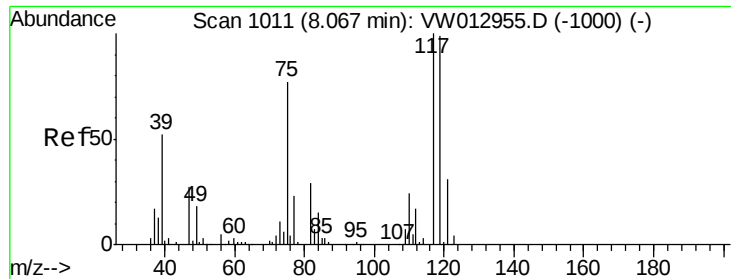


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

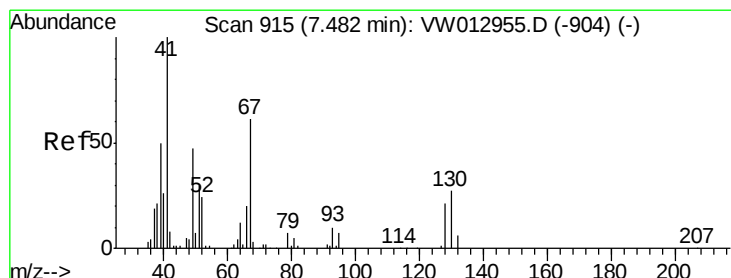
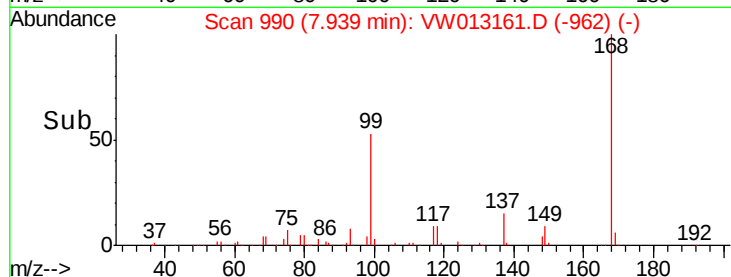
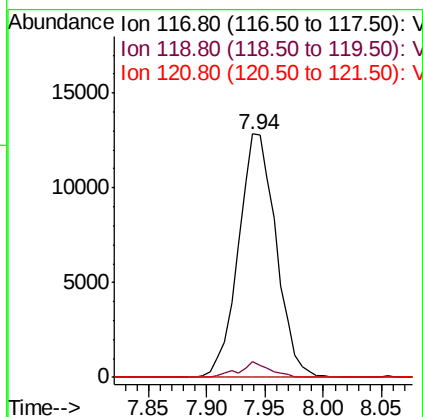
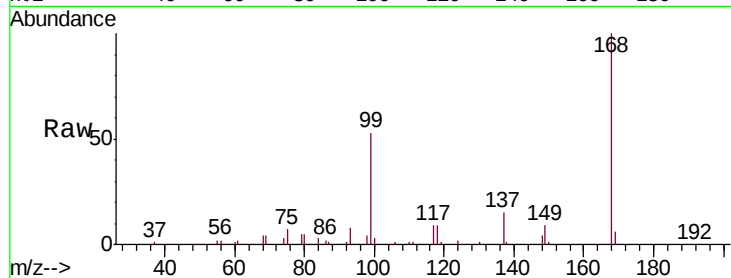




#38
Carbon Tetrachloride
Concen: 7.021 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW013161.D
Acq: 19 Sep 2019 15:18

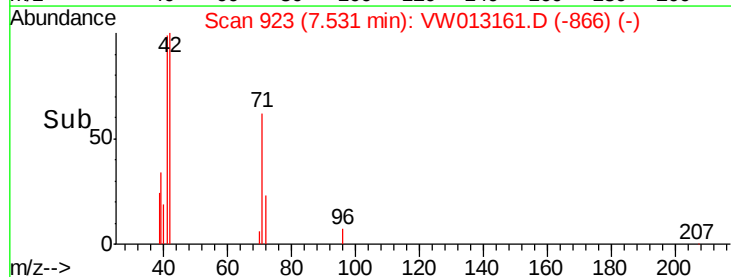
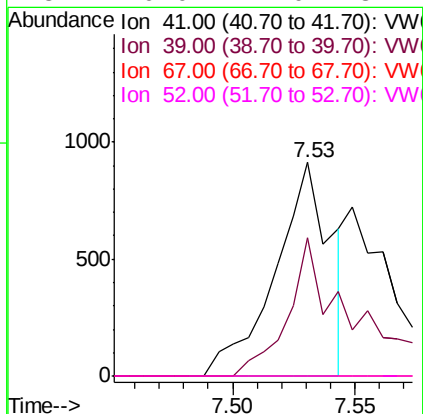
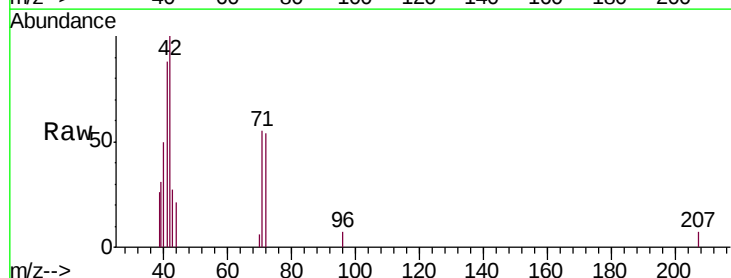
Instrument :
MSVOA_W
ClientSampleId :
CL-02-091819

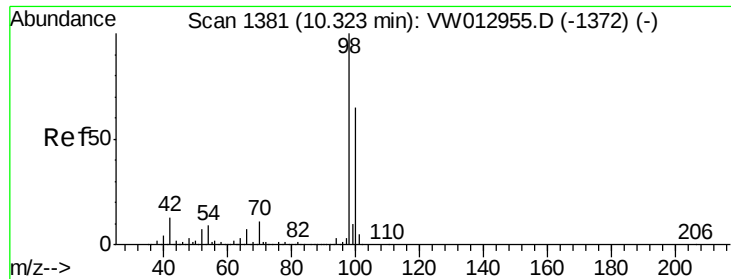
Tgt Ion: 117 Resp: 28904
Ion Ratio Lower Upper
117 100
119 6.5 79.4 119.0#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 1.037 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW013161.D
Acq: 19 Sep 2019 15:18

Tgt Ion: 41 Resp: 1456
Ion Ratio Lower Upper
41 100
39 75.9 48.2 72.4#
67 0.0 47.5 71.3#
52 0.0 21.0 31.4#

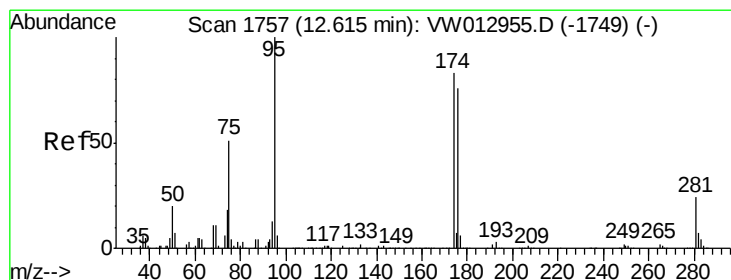
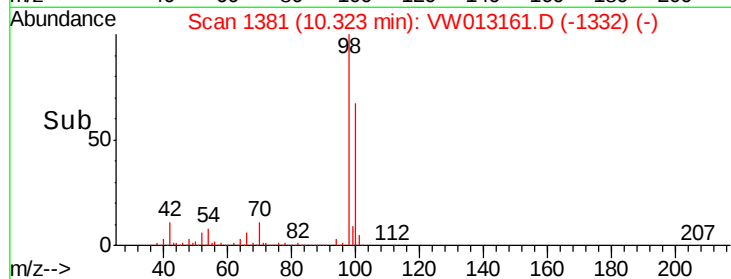
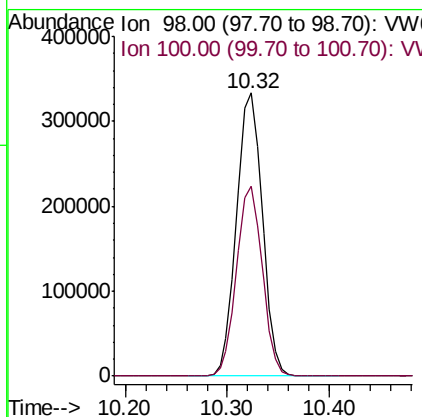
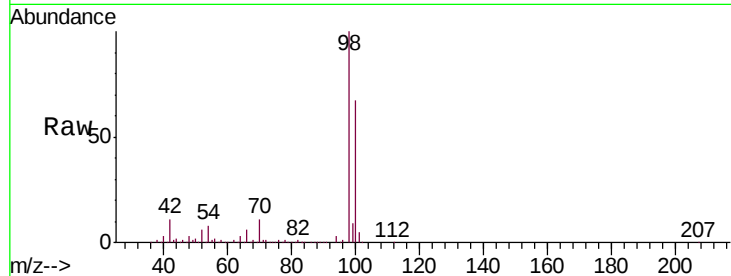




#50
Toluene-d8
Concen: 54.914 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013161.D
Acq: 19 Sep 2019 15:18

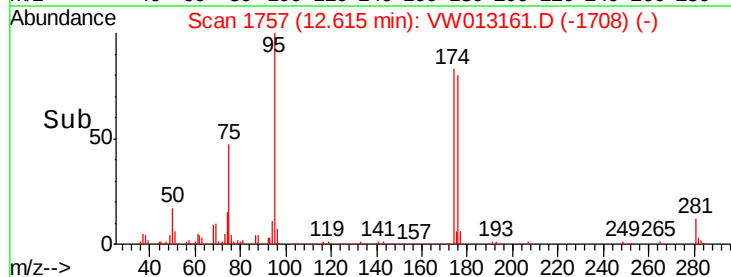
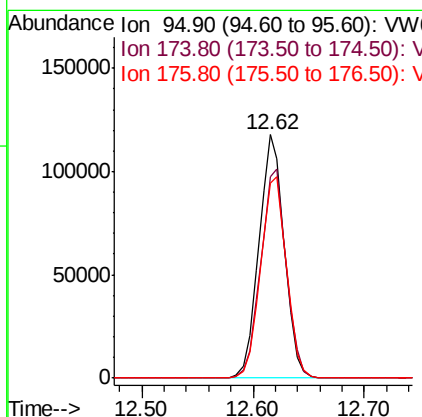
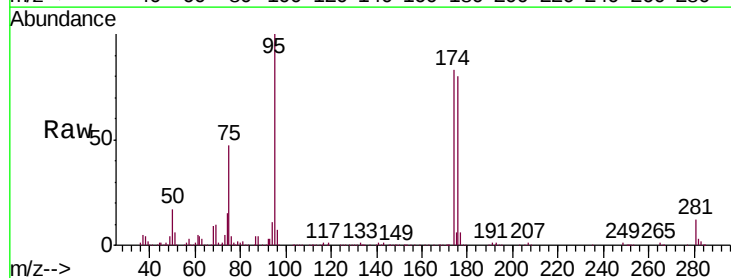
Instrument :
MSVOA_W
ClientSampleId :
CL-02-091819

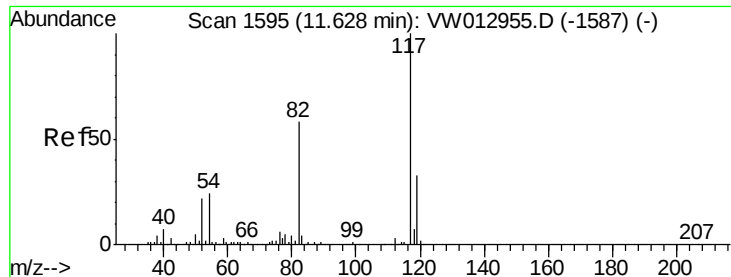
Tgt Ion: 98 Resp: 586155
Ion Ratio Lower Upper
98 100
100 66.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 48.678 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013161.D
Acq: 19 Sep 2019 15:18

Tgt Ion: 95 Resp: 186832
Ion Ratio Lower Upper
95 100
174 86.9 0.0 170.4
176 84.8 0.0 164.6

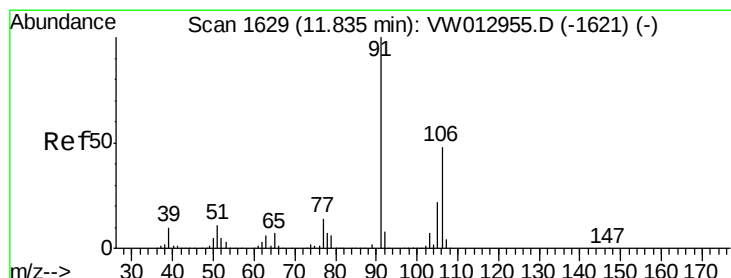
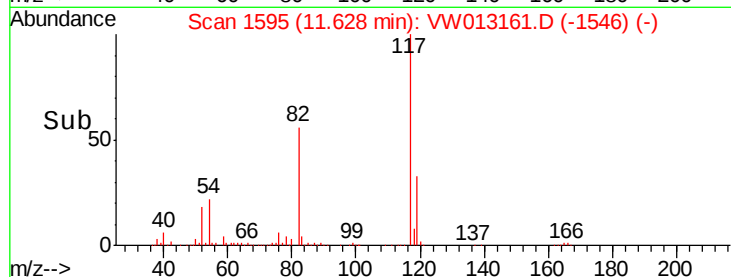
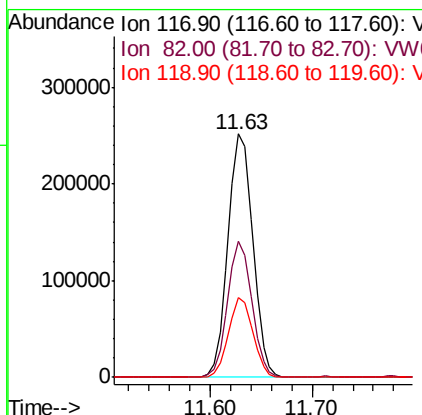
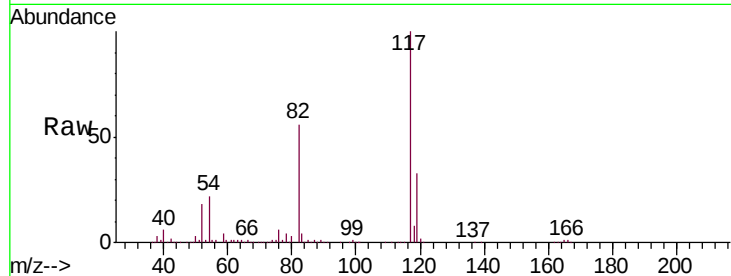




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013161.D
Acq: 19 Sep 2019 15:18

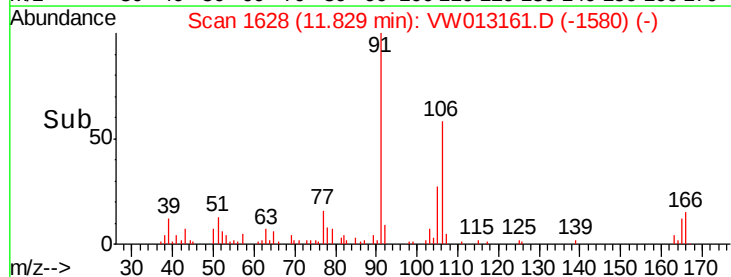
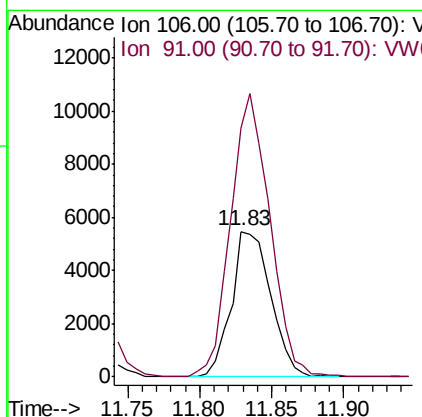
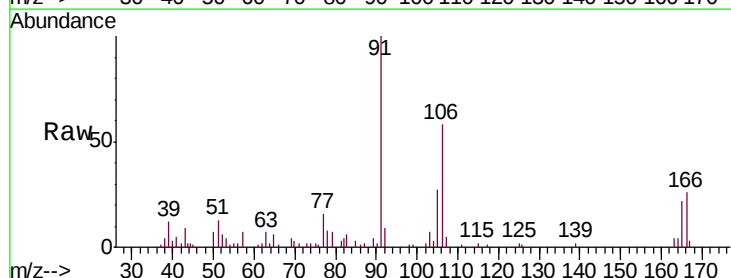
Instrument :
MSVOA_W
ClientSampleId :
CL-02-091819

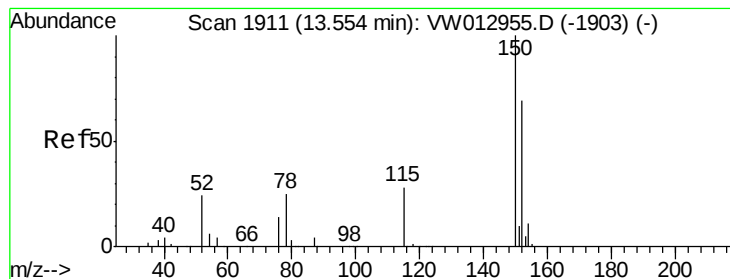
Tgt Ion:117 Resp: 424878
Ion Ratio Lower Upper
117 100
82 55.4 46.3 69.5
119 32.8 26.2 39.4



#68
m/p-Xylenes
Concen: 2.038 ug/l
RT: 11.83 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VW013161.D
Acq: 19 Sep 2019 15:18

Tgt Ion:106 Resp: 10408
Ion Ratio Lower Upper
106 100
91 194.5 165.8 248.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013161.D

Acq: 19 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

CL-02-091819

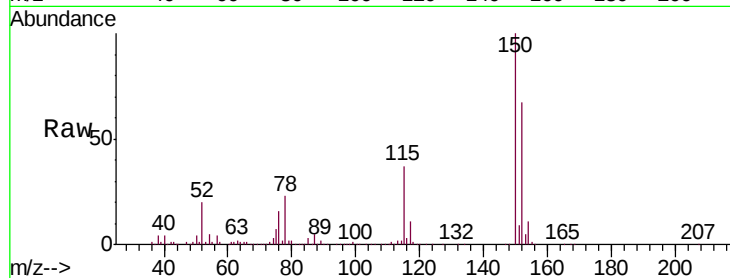
Tgt Ion:152 Resp: 188513

Ion Ratio Lower Upper

152 100

115 54.5 28.8 86.4

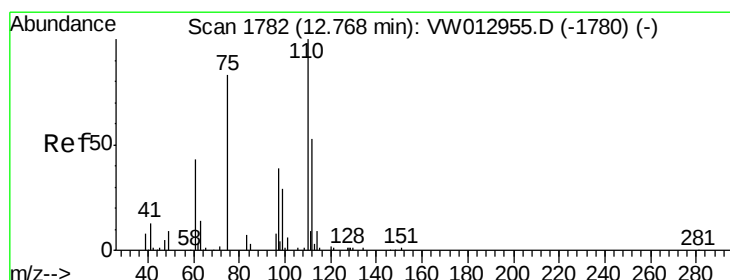
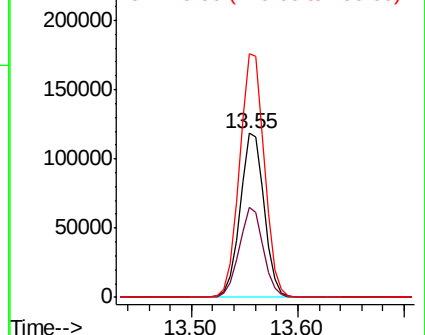
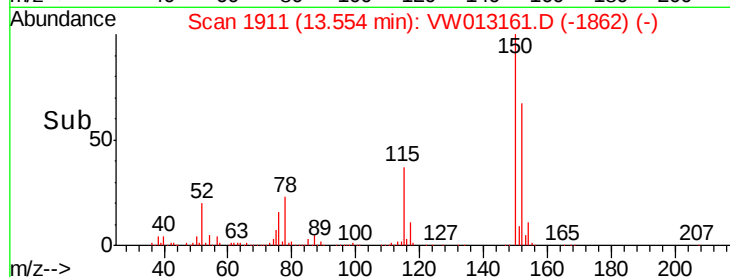
150 152.4 0.0 340.2



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: 53.329 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013161.D

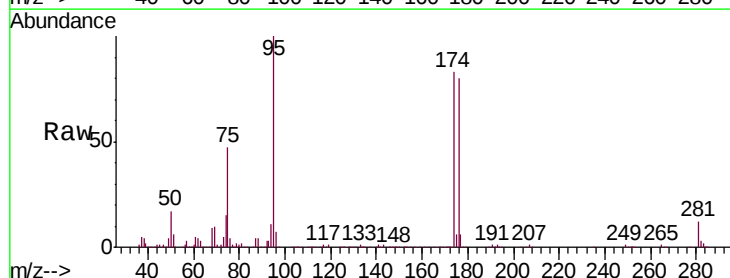
Acq: 19 Sep 2019 15:18

Tgt Ion: 75 Resp: 88059

Ion Ratio Lower Upper

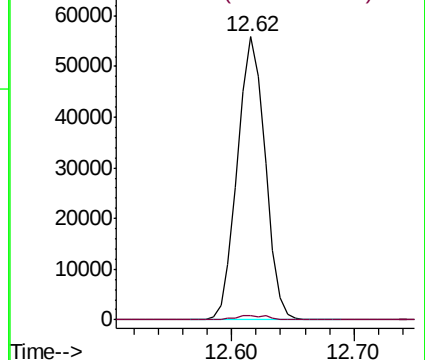
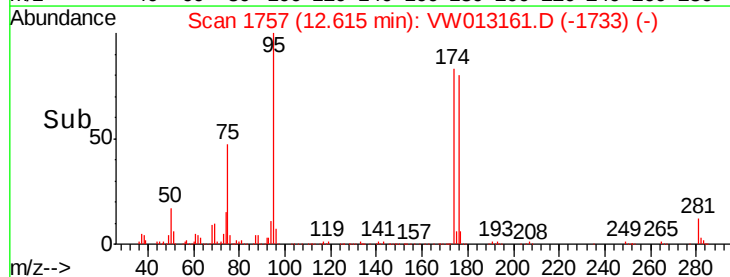
75 100

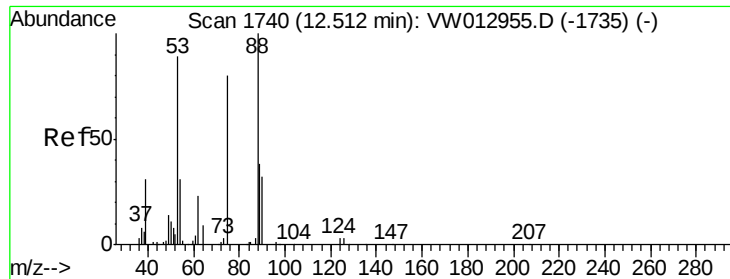
77 1.8 0.0 0.0#



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: 120.977 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013161.D

Acq: 19 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

CL-02-091819

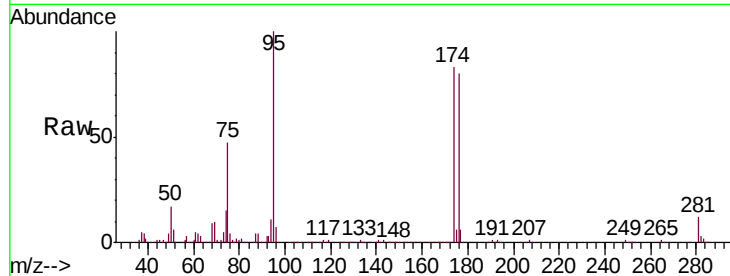
Tgt Ion: 75 Resp: 88059

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

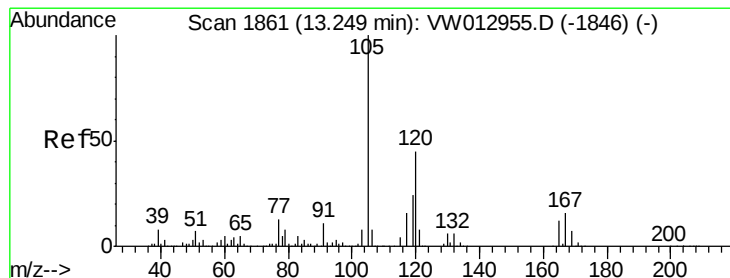
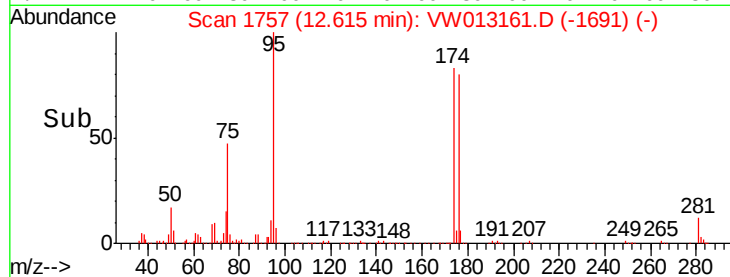
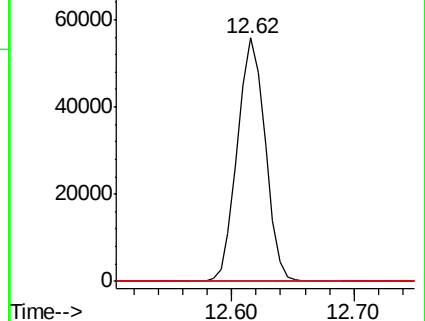
89 0.1 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#84

1,2,4-Trimethylbenzene

Concen: 1.452 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW013161.D

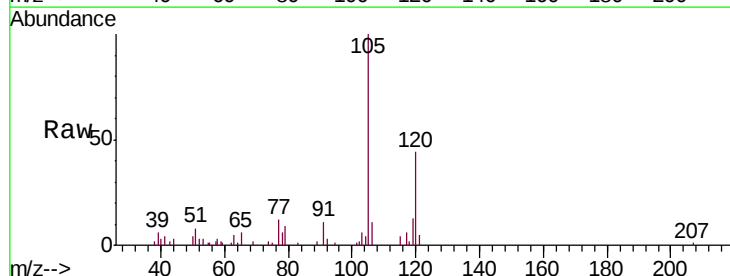
Acq: 19 Sep 2019 15:18

Tgt Ion: 105 Resp: 15168

Ion Ratio Lower Upper

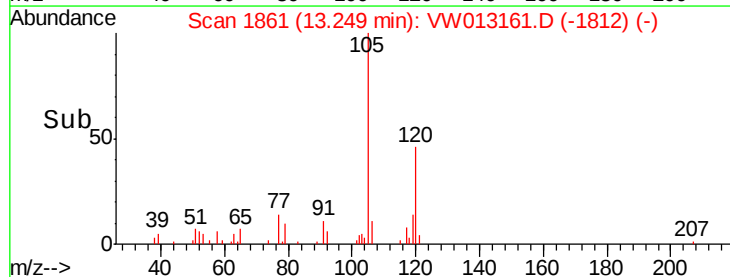
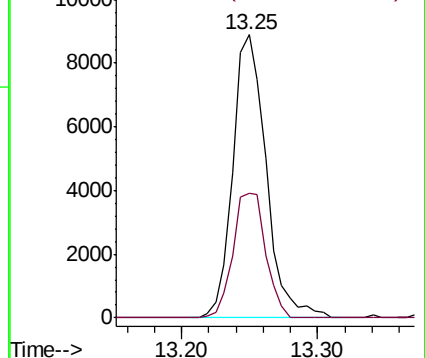
105 100

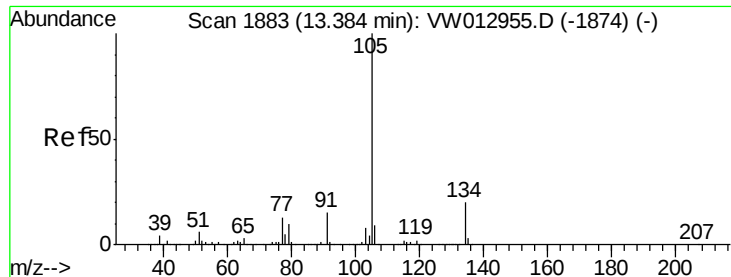
120 43.1 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.177 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.13 min

Lab File: VW013161.D

Acq: 19 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

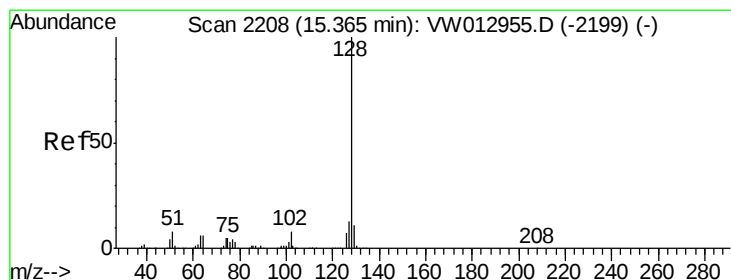
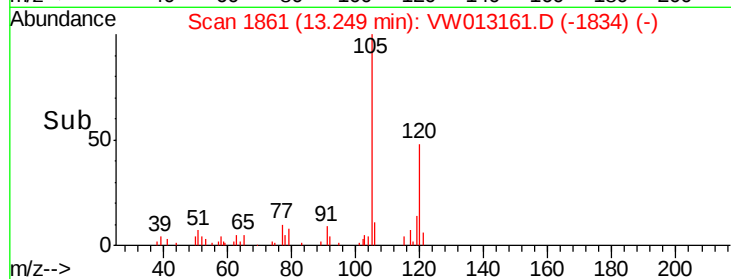
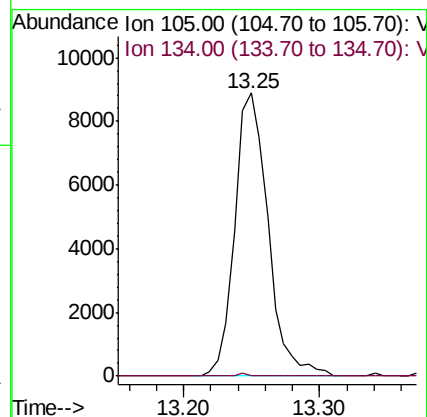
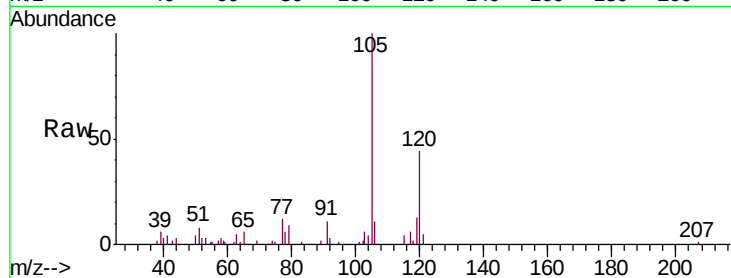
CL-02-091819

Tgt Ion:105 Resp: 15168

Ion Ratio Lower Upper

105 100

134 0.2 10.2 30.4#



#95

Naphthalene

Concen: 17.303 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013161.D

Acq: 19 Sep 2019 15:18

Tgt Ion:128 Resp: 103321

Ion Ratio Lower Upper

128 100

127 13.7 11.0 16.6

129 11.0 8.6 12.8

