

Data File : VW013415.D
Acq On : 03 Oct 2019 12:29
Operator : SY/VA
Sample : VW1003SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBL01

Quant Time: Oct 04 08:21:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	338065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	483453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	417345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	202382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	133038	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
35) Dibromofluoromethane	7.88	113	131579	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
50) Toluene-d8	10.32	98	545977	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.62	95	180661	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds

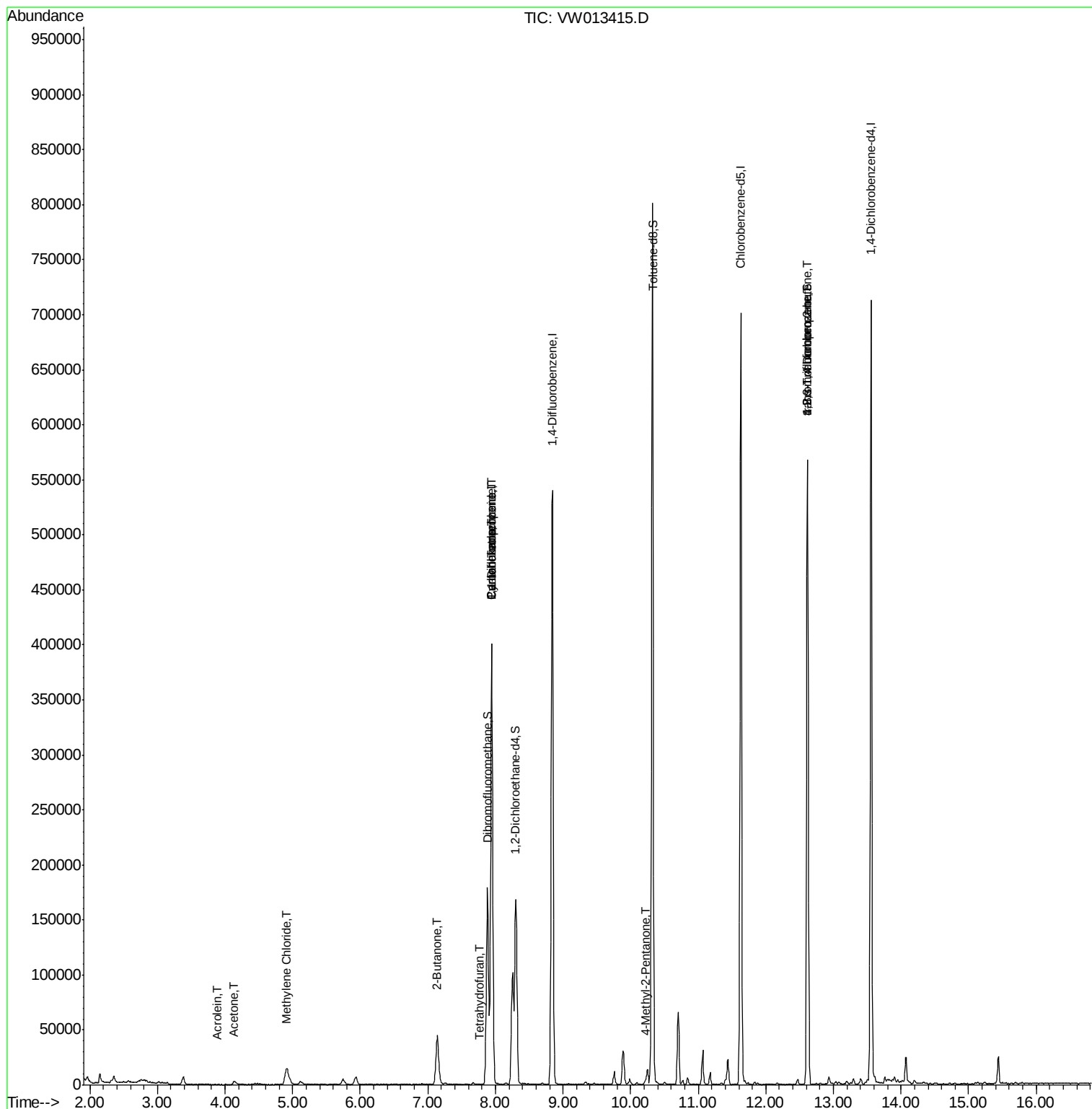
					Qvalue	
11) Tert butyl alcohol	5.12	59	2459	Below Cal	#	73
13) Acrolein	3.89	56	21	10.656	ug/l #	15
16) Acetone	4.14	43	6411	8.286	ug/l	91
20) Methylene Chloride	4.90	84	11670	1.891	ug/l	95
25) 2-Butanone	7.14	43	2637	2.664	ug/l #	51
26) 2,2-Dichloropropane	7.13	77	3316	Below Cal	#	52
29) Tetrahydrofuran	7.76	42	45	9.768	ug/l #	34
31) Cyclohexane	7.95	56	5976	1.035	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	21330	4.750	ug/l #	48
38) Carbon Tetrachloride	7.94	117	28774	7.397	ug/l #	17
51) 4-Methyl-2-Pentanone	10.22	43	2211	1.128	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	83775	46.575	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83775	94.922	ug/l #	12

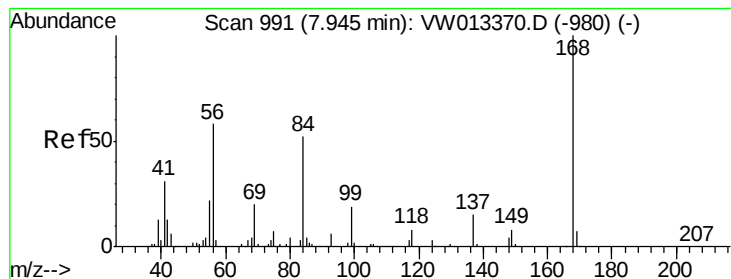
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013415.D

Acq: 03 Oct 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

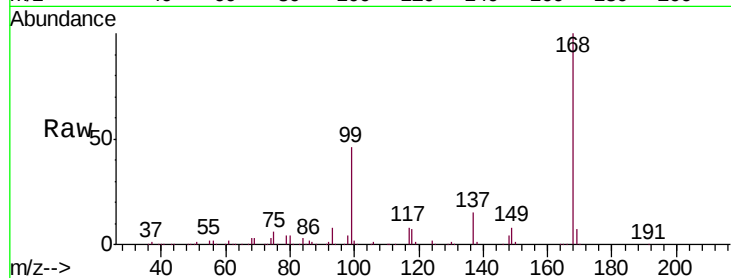
VW1003SBSD01

Tgt Ion:168 Resp: 338065

Ion Ratio Lower Upper

168 100

99 45.7 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

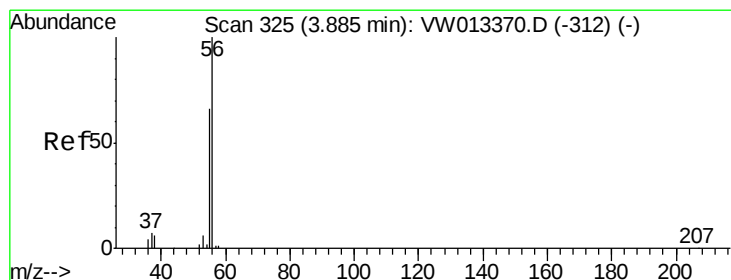
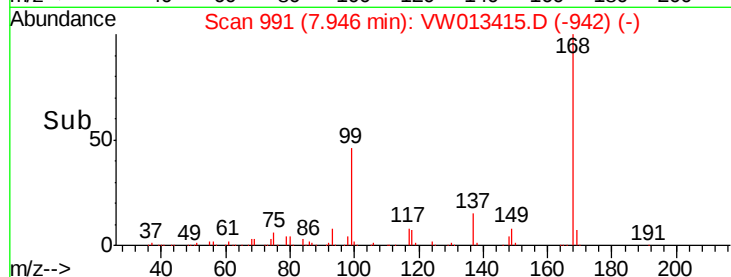
100000

50000

0

7.90 8.00

Time-->



#13

Acrolein

Concen: 10.656 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013415.D

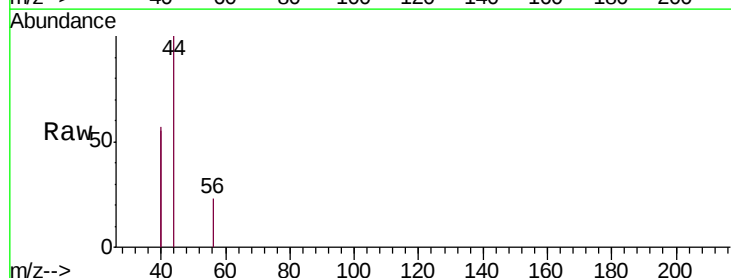
Acq: 03 Oct 2019 12:29

Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

60

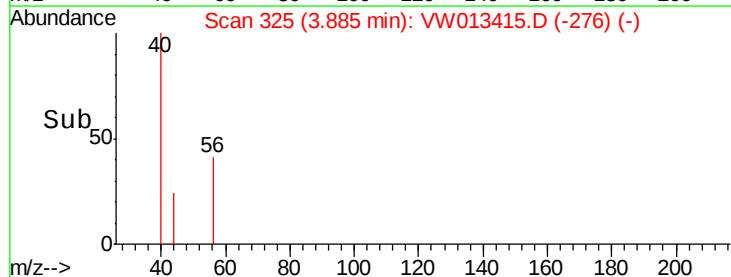
40

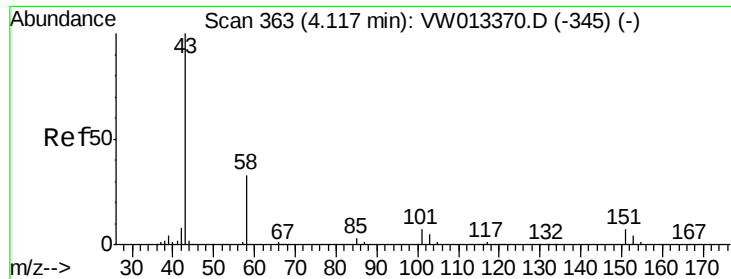
20

0

3.87 3.88 3.89

Time-->





#16

Acetone

Concen: 8.286 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013415.D

Acq: 03 Oct 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

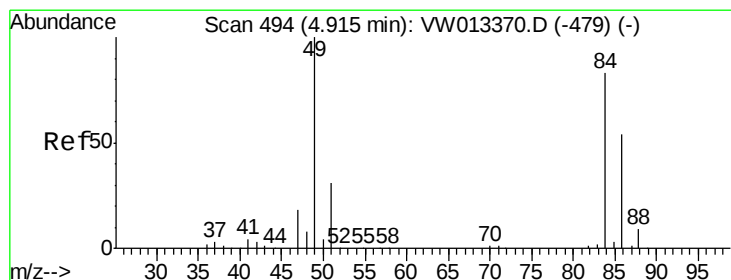
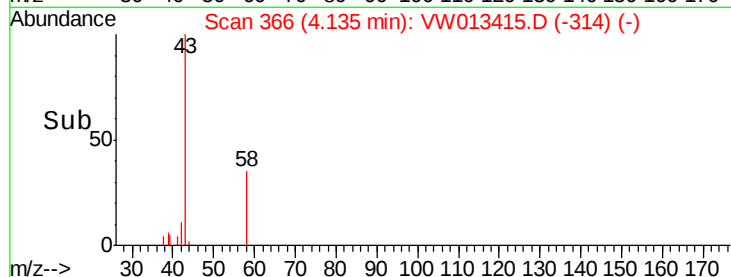
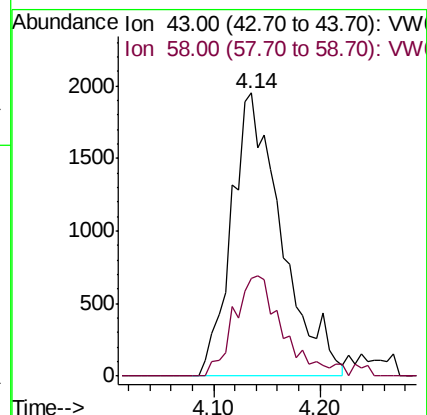
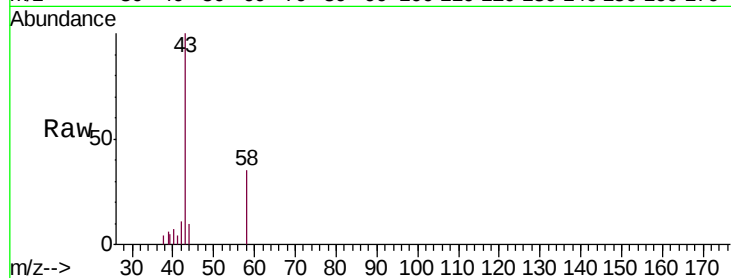
VW1003SBSD01

Tgt Ion: 43 Resp: 6411

Ion Ratio Lower Upper

43 100

58 34.7 24.1 36.1



#20

Methylene Chloride

Concen: 1.891 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013415.D

Acq: 03 Oct 2019 12:29

Tgt Ion: 84 Resp: 11670

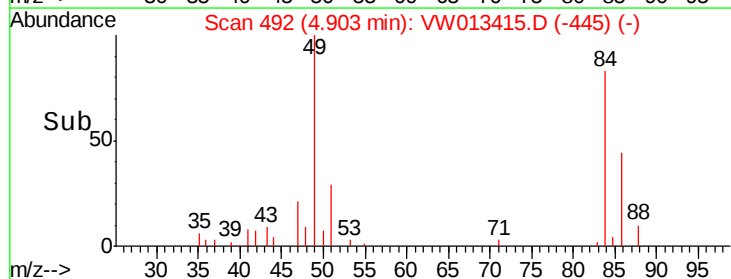
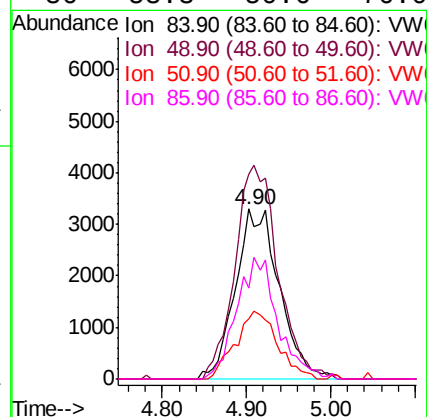
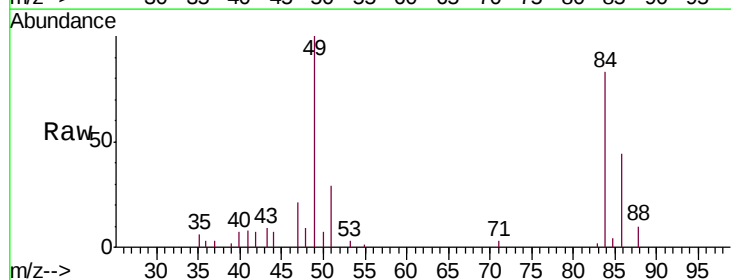
Ion Ratio Lower Upper

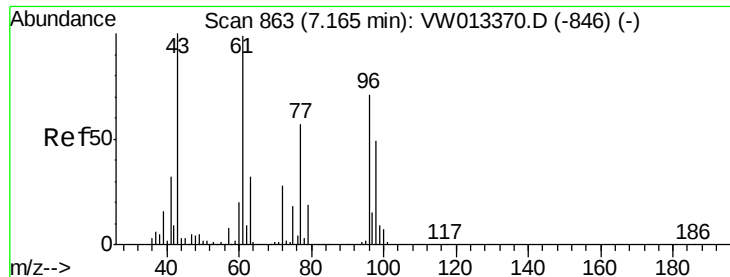
84 100

49 120.3 97.6 146.4

51 35.2 30.2 45.2

86 53.3 50.6 76.0

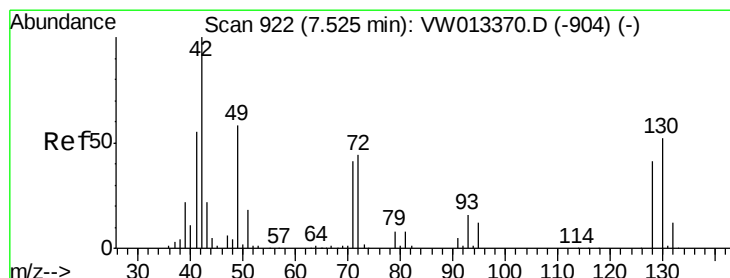
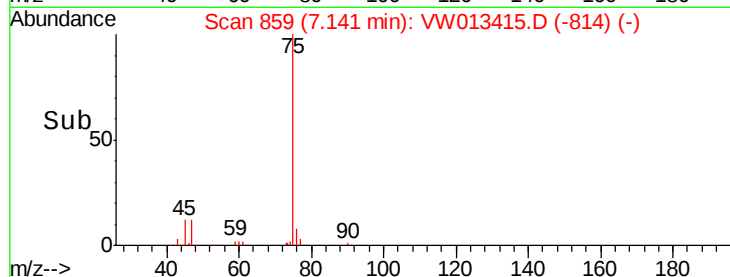
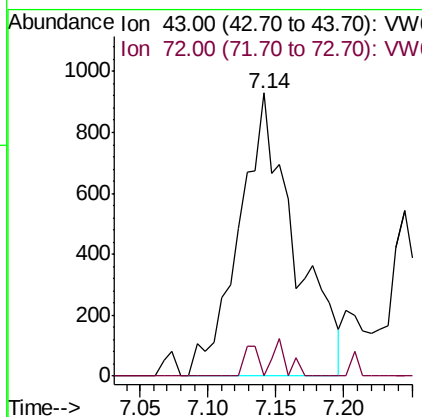
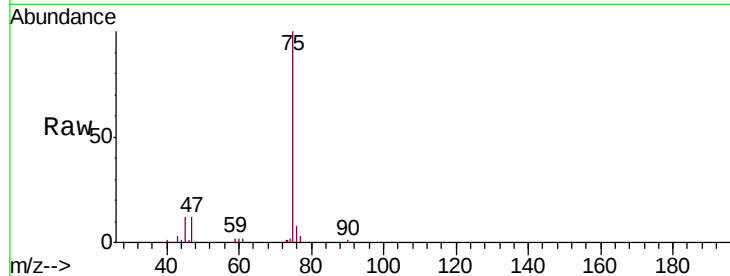




#25
2-Butanone
Concen: 2.664 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013415.D
Acq: 03 Oct 2019 12:29

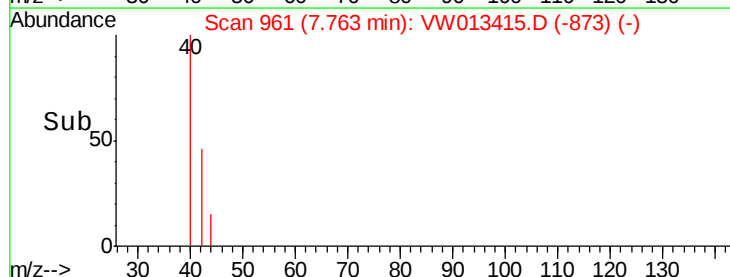
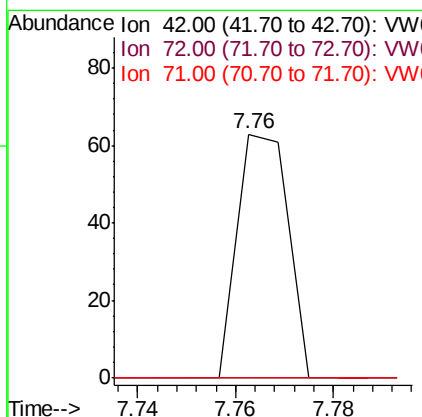
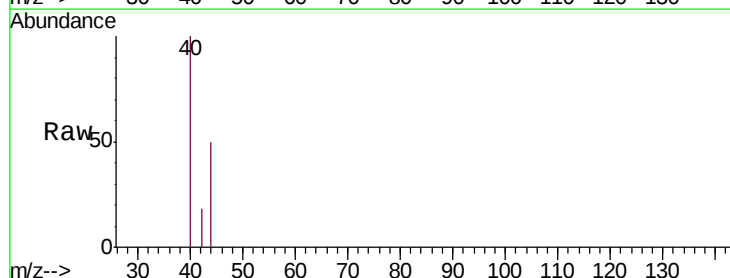
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBSD01

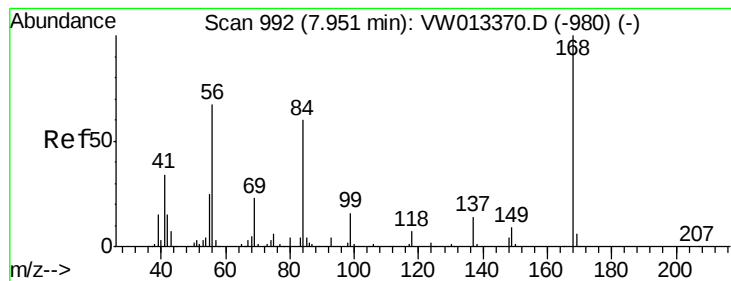
Tgt Ion: 43 Resp: 2637
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.0#



#29
Tetrahydrofuran
Concen: 9.768 ug/l
RT: 7.76 min Scan# 961
Delta R.T. 0.24 min
Lab File: VW013415.D
Acq: 03 Oct 2019 12:29

Tgt Ion: 42 Resp: 45
Ion Ratio Lower Upper
42 100
72 0.0 33.9 50.9#
71 0.0 31.9 47.9#





#31

Cyclohexane

Concen: 1.035 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013415.D

Acq: 03 Oct 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBSD01

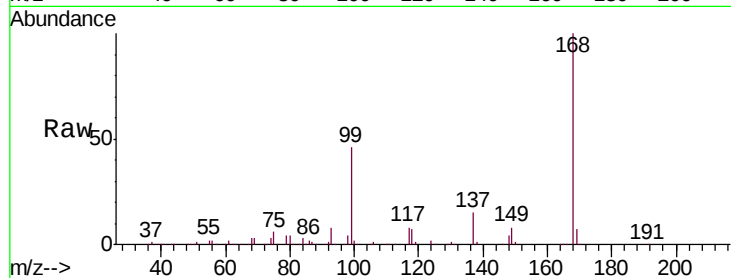
Tgt Ion: 56 Resp: 5976

Ion Ratio Lower Upper

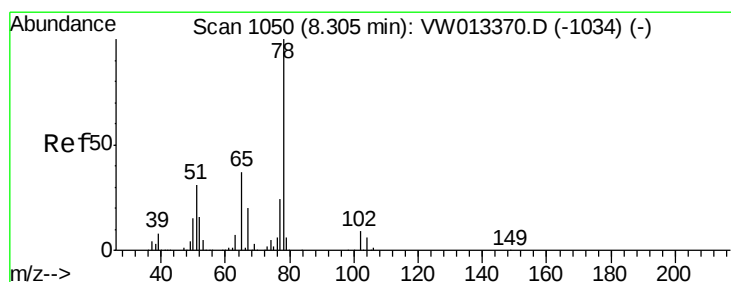
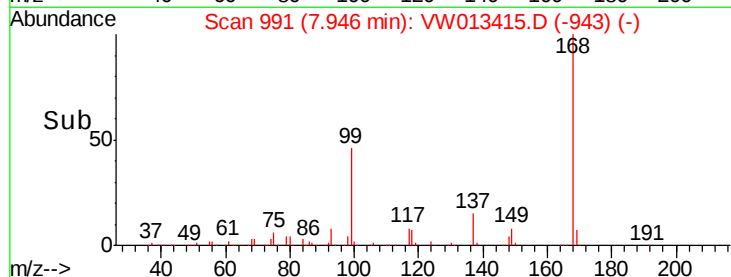
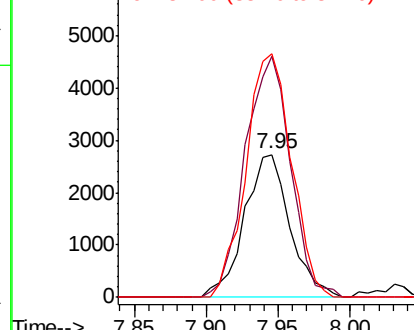
56 100

69 168.7 27.2 40.8#

84 170.5 70.8 106.2#



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: 52.704 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013415.D

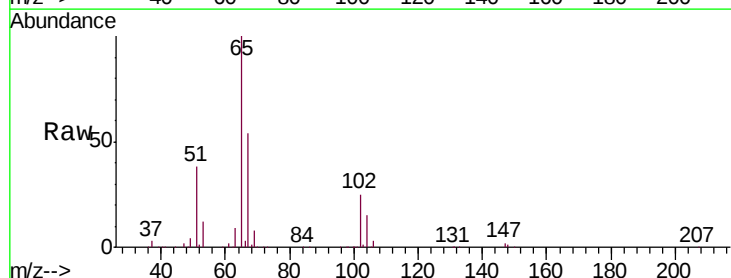
Acq: 03 Oct 2019 12:29

Tgt Ion: 65 Resp: 133038

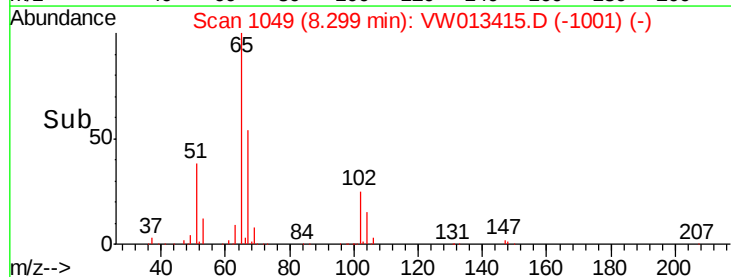
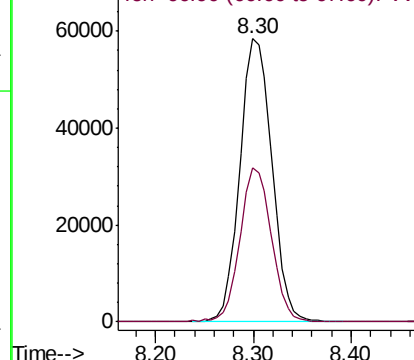
Ion Ratio Lower Upper

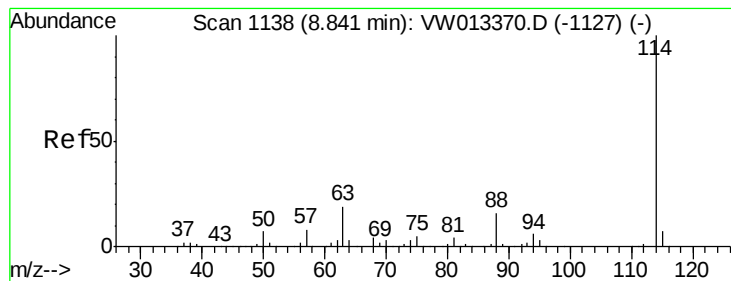
65 100

67 53.7 0.0 106.2



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: VW013415.D

Acq: 03 Oct 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBSD01

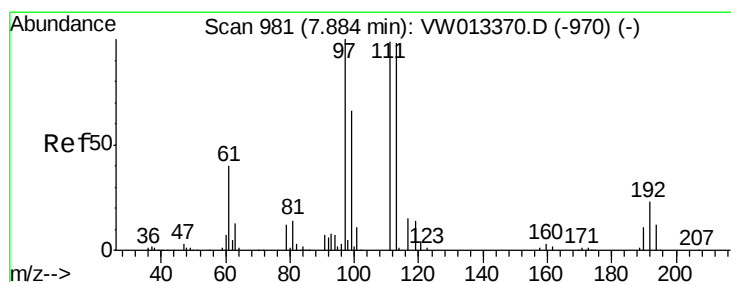
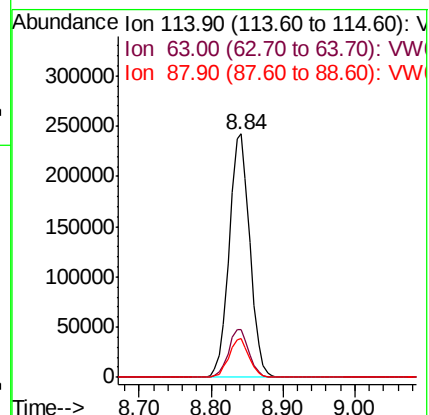
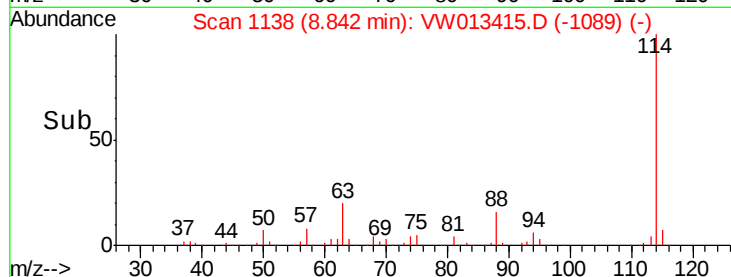
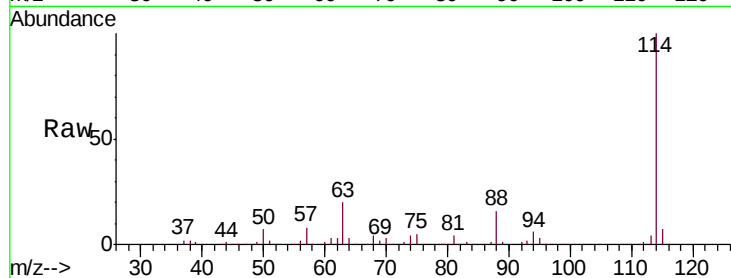
Tgt Ion:114 Resp: 483453

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

88 15.9 0.0 32.0



#35

Dibromofluoromethane

Concen: 51.868 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013415.D

Acq: 03 Oct 2019 12:29

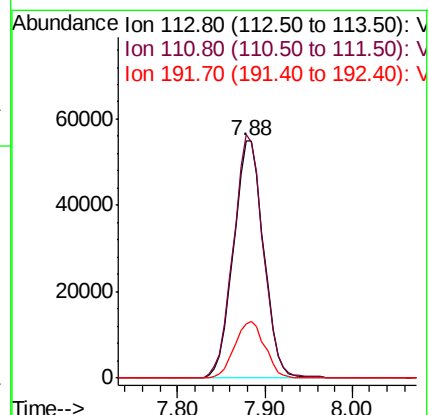
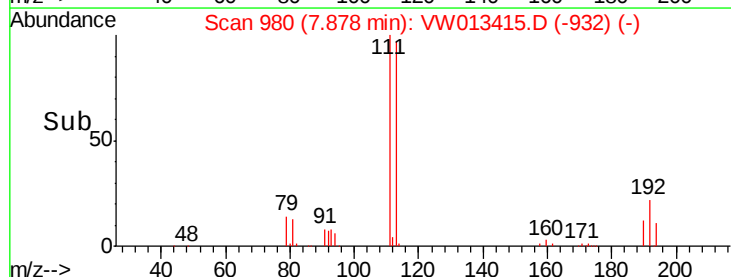
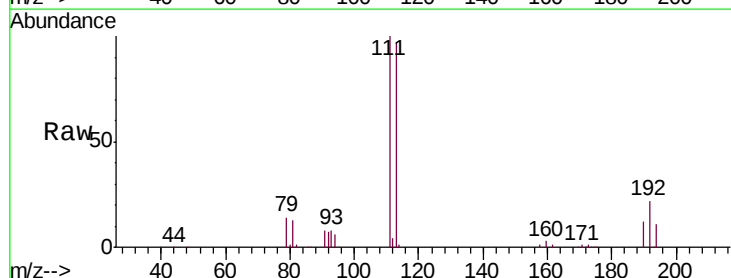
Tgt Ion:113 Resp: 131579

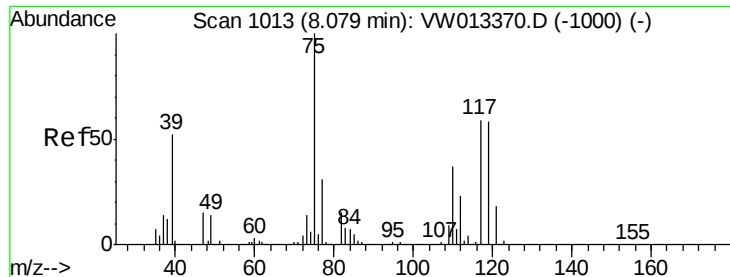
Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

192 24.0 19.1 28.7

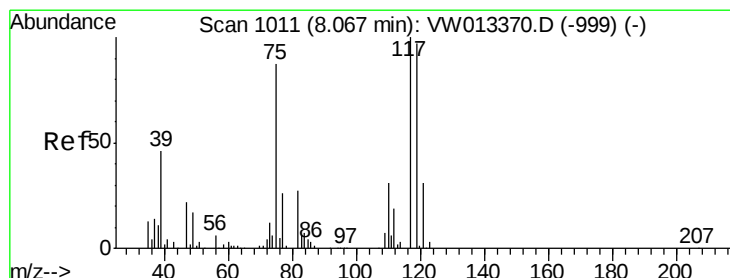
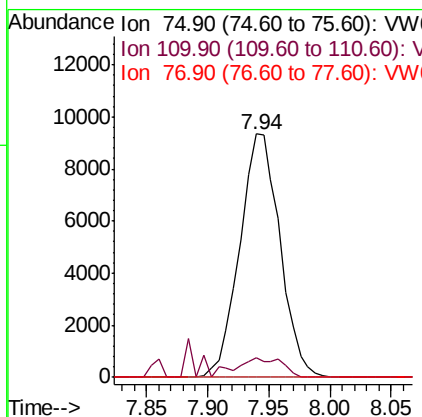
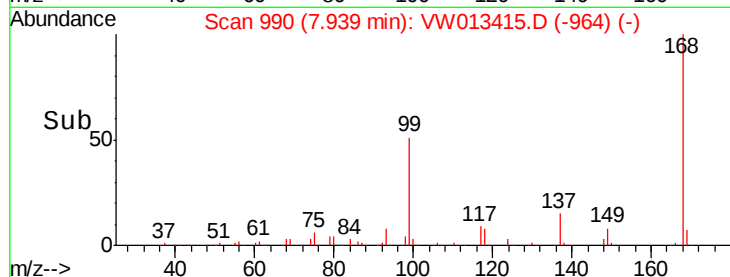
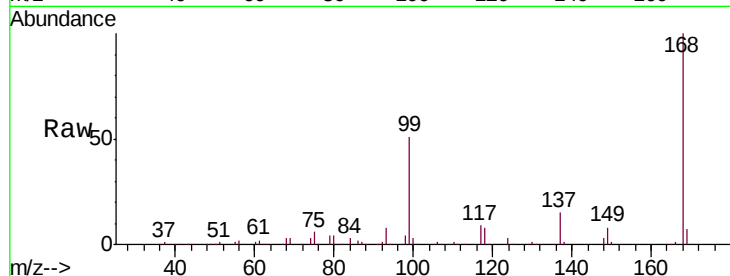




#36
 1,1-Dichloropropene
 Concen: 4.750 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013415.D
 Acq: 03 Oct 2019 12:29

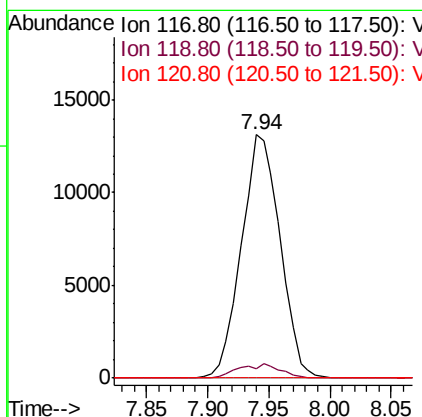
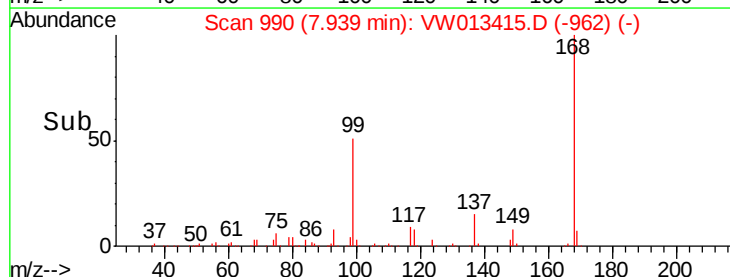
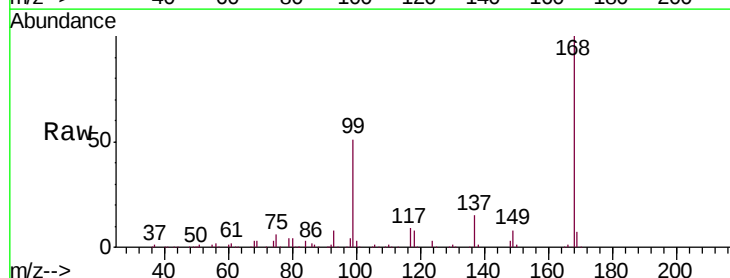
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBSD01

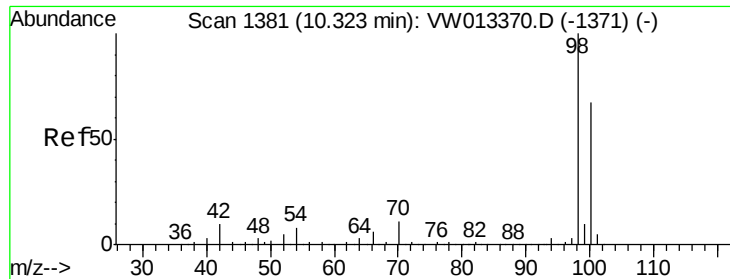
Tgt Ion: 75 Resp: 21330
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.1 54.3#
 77 0.0 25.8 38.6#



#38
 Carbon Tetrachloride
 Concen: 7.397 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW013415.D
 Acq: 03 Oct 2019 12:29

Tgt Ion: 117 Resp: 28774
 Ion Ratio Lower Upper
 117 100
 119 4.0 73.5 110.3#
 121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 51.863 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013415.D

Acq: 03 Oct 2019 12:29

Instrument :

MSVOA_W

ClientSampled :

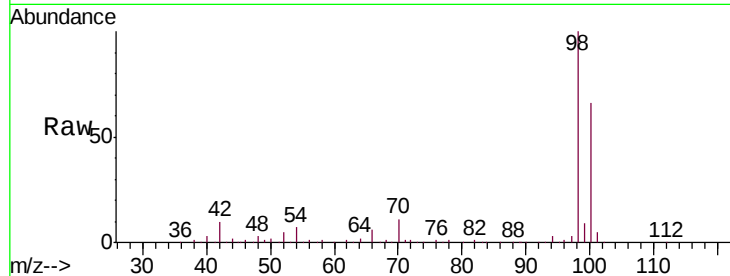
VW1003SBSD01

Tgt Ion: 98 Resp: 545977

Ion Ratio Lower Upper

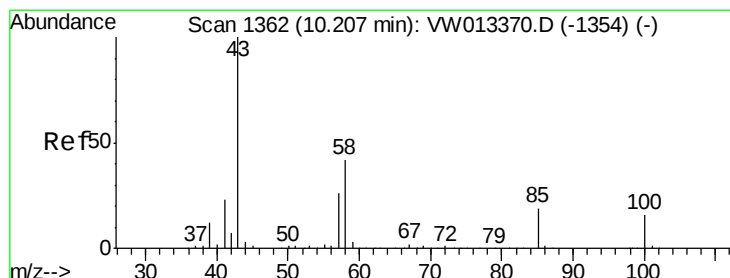
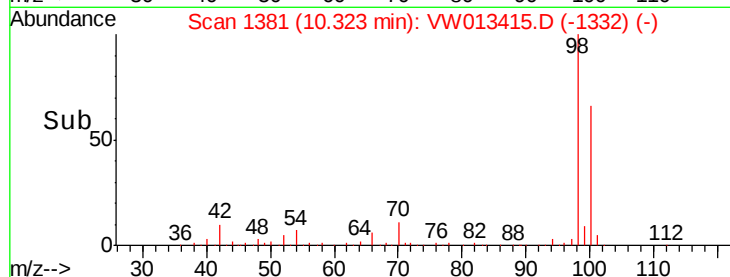
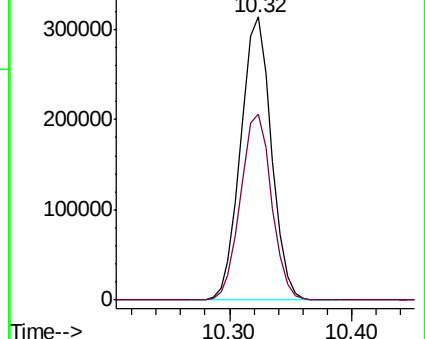
98 100

100 66.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.128 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW013415.D

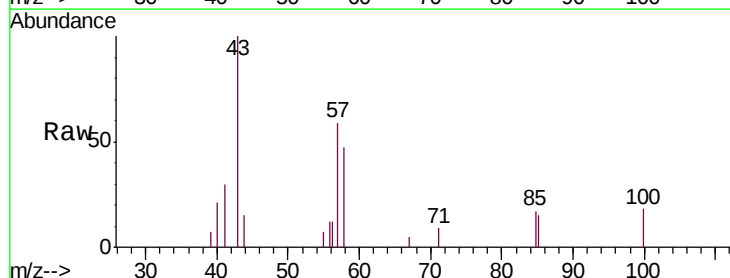
Acq: 03 Oct 2019 12:29

Tgt Ion: 43 Resp: 2211

Ion Ratio Lower Upper

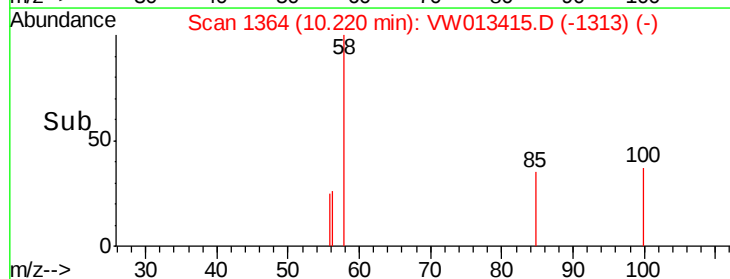
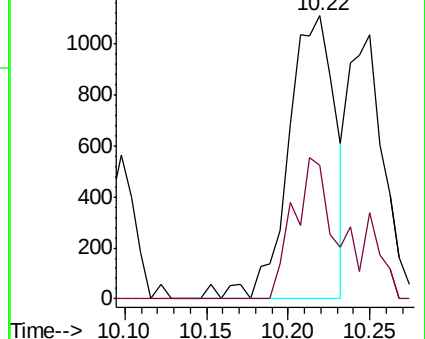
43 100

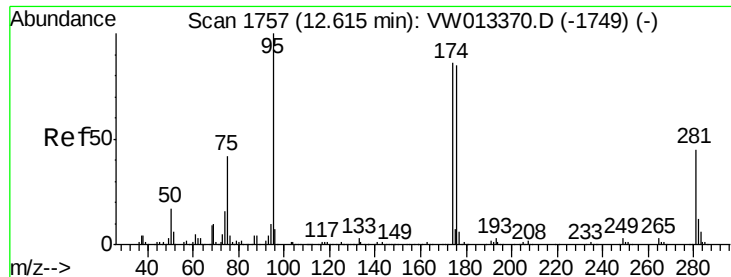
58 38.7 31.7 47.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

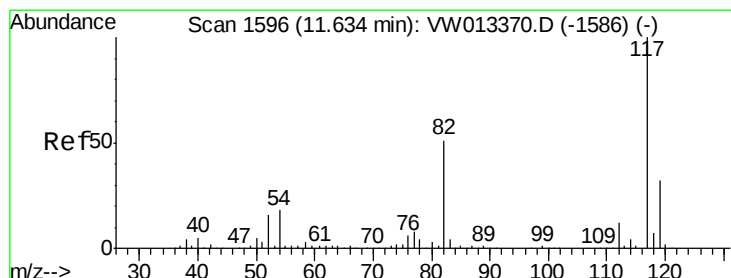
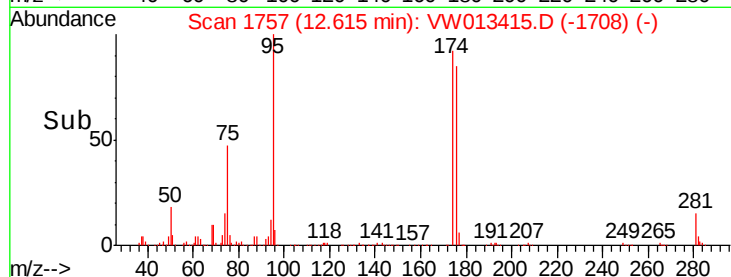
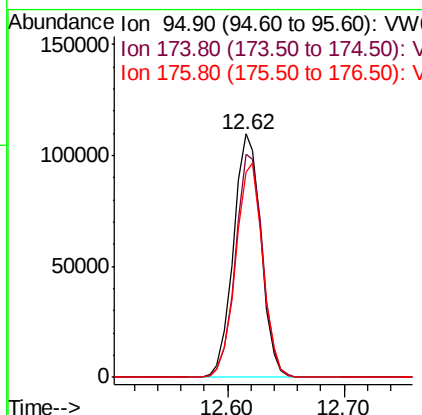
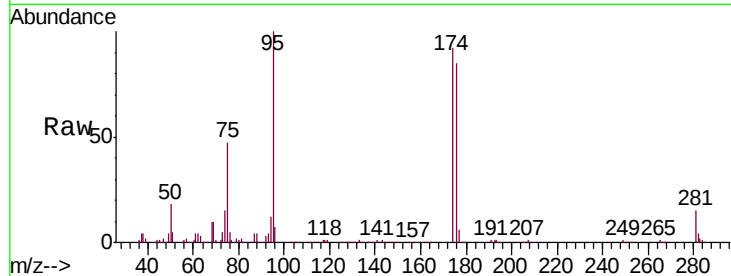




#62
4-Bromofluorobenzene
Concen: 51.391 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013415.D
Acq: 03 Oct 2019 12:29

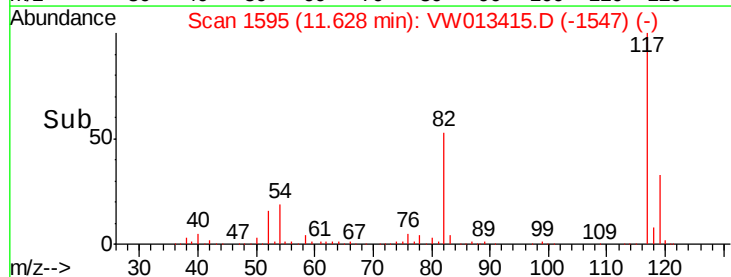
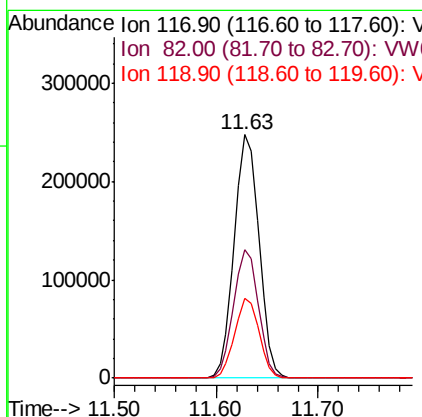
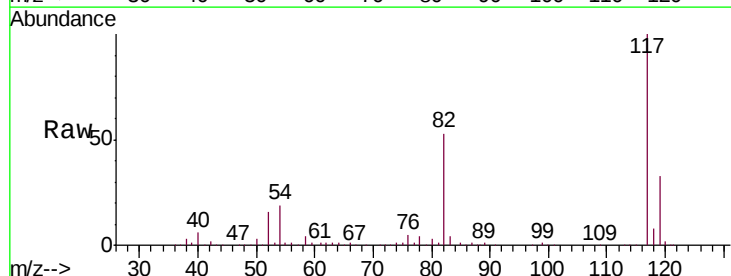
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBSD01

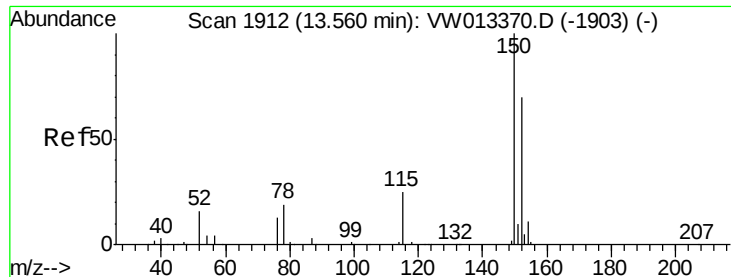
Tgt Ion: 95 Resp: 180661
Ion Ratio Lower Upper
95 100
174 90.6 0.0 178.4
176 86.9 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013415.D
Acq: 03 Oct 2019 12:29

Tgt Ion: 117 Resp: 417345
Ion Ratio Lower Upper
117 100
82 52.9 45.9 68.9
119 32.8 26.2 39.2



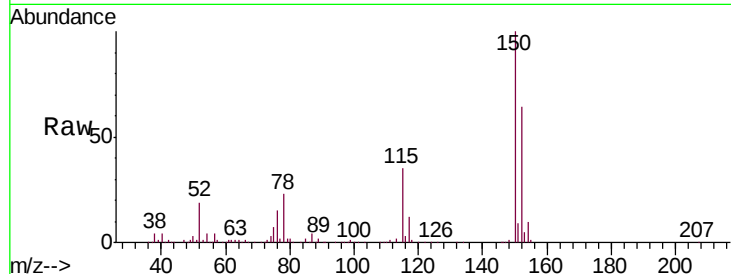


#72

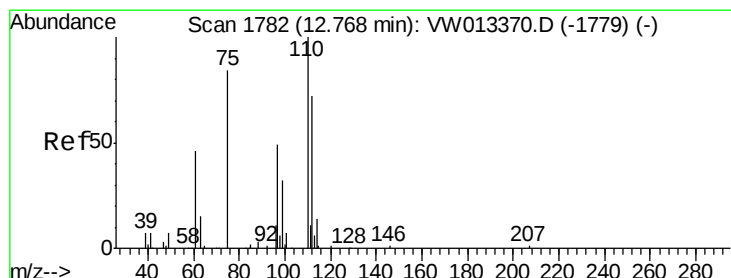
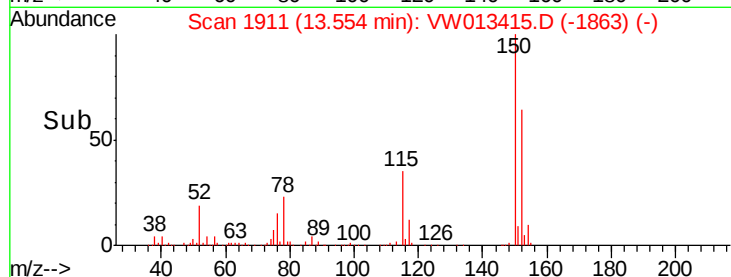
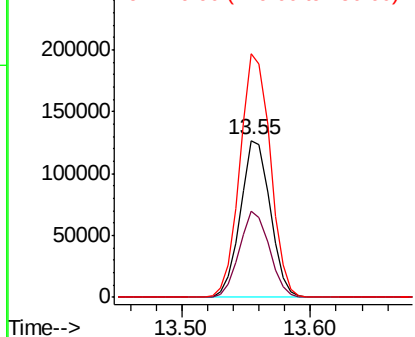
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013415.D
Acq: 03 Oct 2019 12:29

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBSD01

Tgt Ion:152 Resp: 202382
Ion Ratio Lower Upper
152 100
115 55.0 27.3 81.9
150 158.2 0.0 349.0



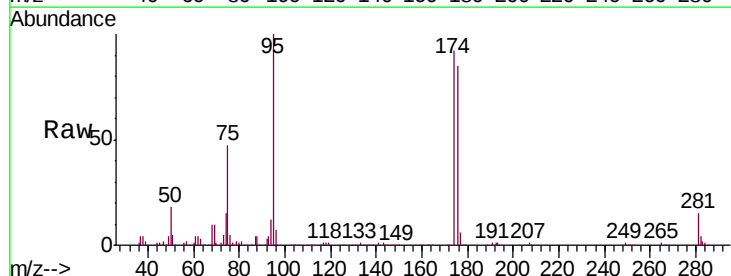
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



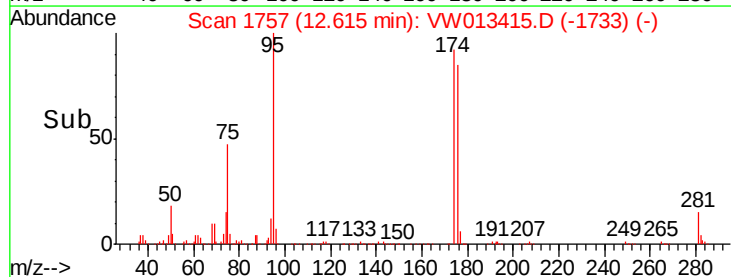
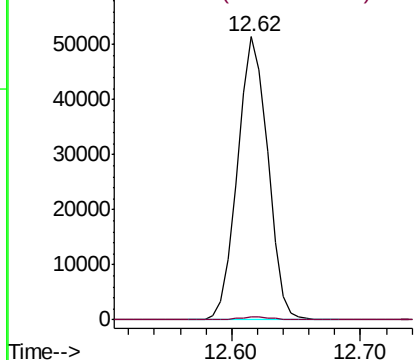
#76

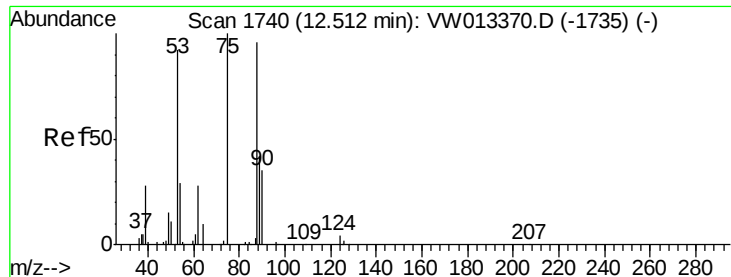
1,2,3-Trichloropropane
Concen: 46.575 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013415.D
Acq: 03 Oct 2019 12:29

Tgt Ion: 75 Resp: 83775
Ion Ratio Lower Upper
75 100
77 1.4 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: 94.922 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013415.D

Acq: 03 Oct 2019 12:29

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBSD01

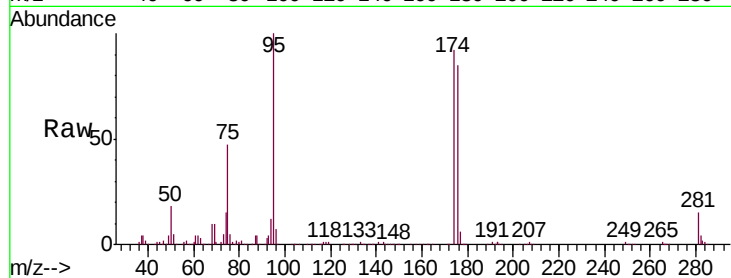
Tgt Ion: 75 Resp: 83775

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 33.5 50.3#



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

