

Data File : VW013427.D
Acq On : 03 Oct 2019 17:53
Operator : SY/VA
Sample : K5192-01
Misc : 5.45G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR-200052-200029

Quant Time: Oct 04 08:29:56 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	337057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	498937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	427989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	193283	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	134150	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
35) Dibromofluoromethane	7.88	113	139279	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	10.32	98	580580	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.62	95	186785	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

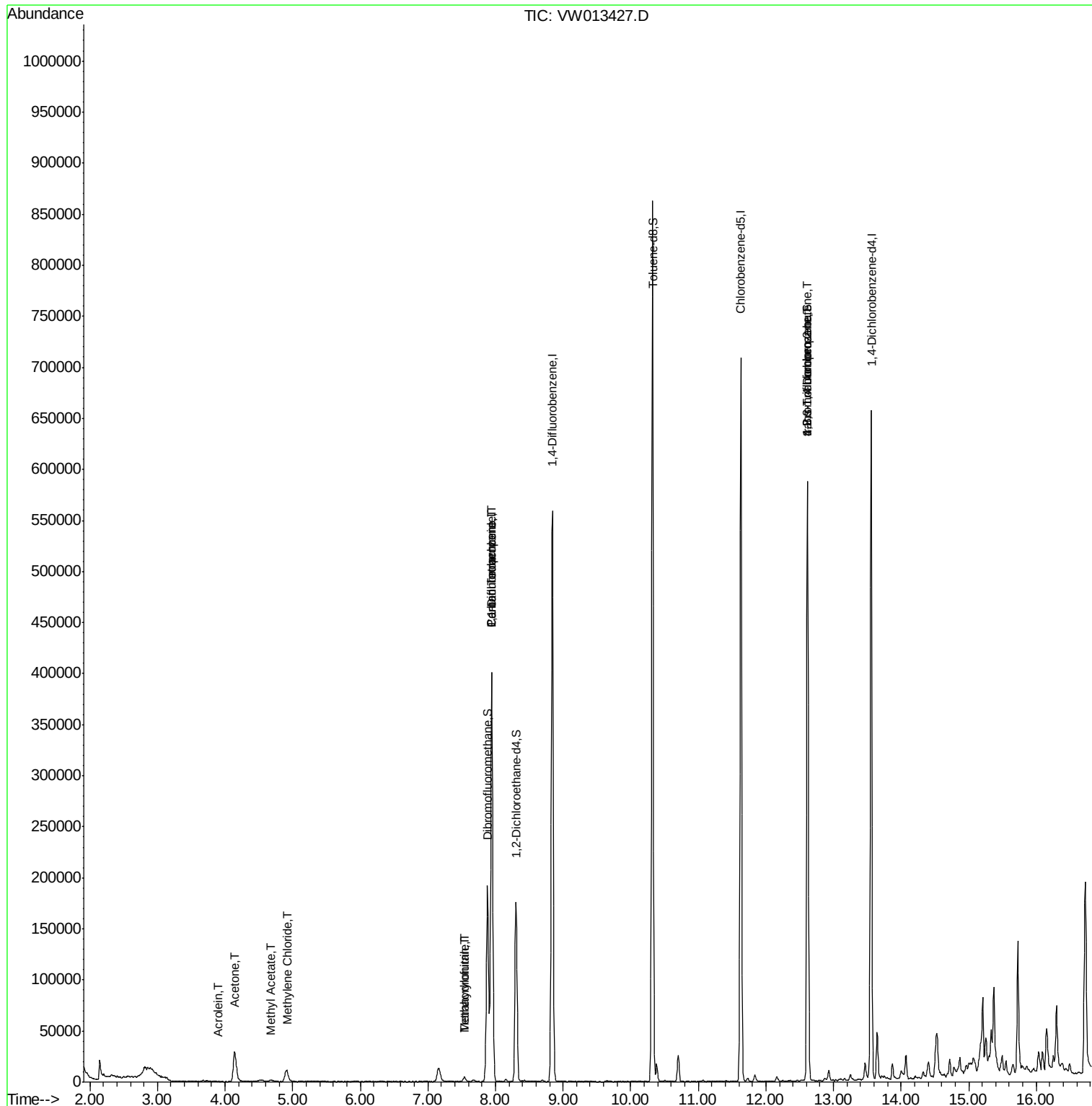
						Qvalue
11) Tert butyl alcohol	5.10	59	390	Below Cal	#	73
13) Acrolein	3.90	56	106	10.976	ug/l #	8
16) Acetone	4.14	43	61614	79.871	ug/l	94
18) Methyl Acetate	4.68	43	2442	1.352	ug/l #	68
20) Methylene Chloride	4.91	84	9581	1.229	ug/l	83
26) 2,2-Dichloropropane	7.15	77	662	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	3825	16.097	ug/l	96
36) 1,1-Dichloropropene	7.94	75	21919	4.730	ug/l #	49
38) Carbon Tetrachloride	7.95	117	29366	7.315	ug/l #	18
41) Methacrylonitrile	7.54	41	2378	1.928	ug/l #	44
49) 1,4-Dioxane	9.65	88	47	Below Cal	#	8
76) 1,2,3-Trichloropropane	12.62	75	85180	49.586	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85180	100.786	ug/l #	12

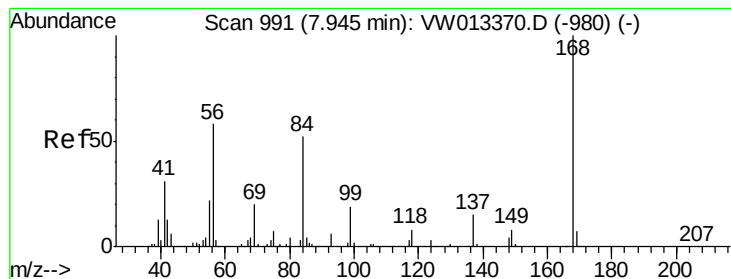
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013427.D

Acq: 03 Oct 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

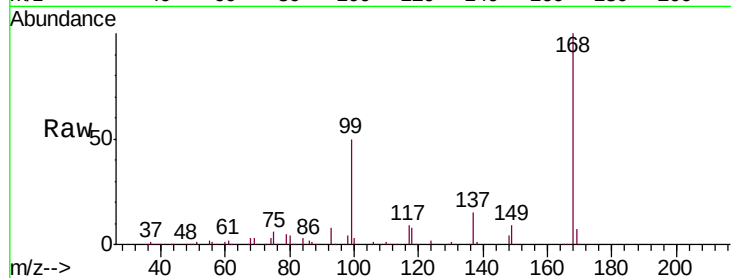
RBR-200052-200029

Tgt Ion: 168 Resp: 337057

Ion Ratio Lower Upper

168 100

99 49.9 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

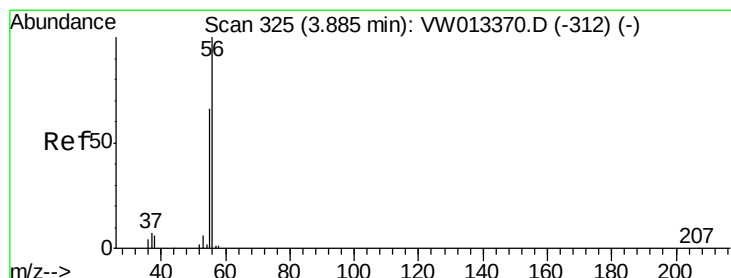
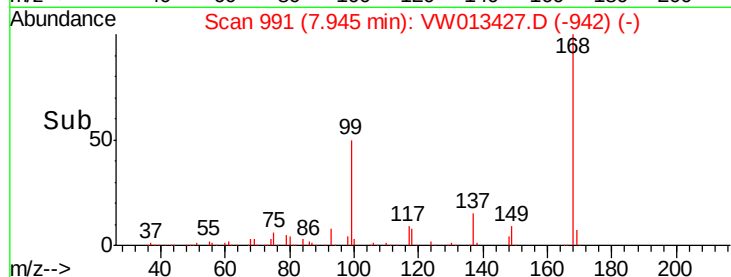
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 10.976 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.02 min

Lab File: VW013427.D

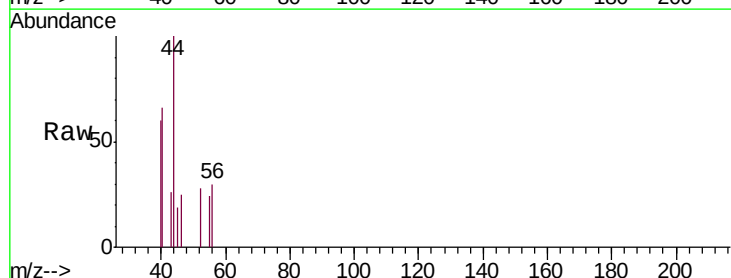
Acq: 03 Oct 2019 17:53

Tgt Ion: 56 Resp: 106

Ion Ratio Lower Upper

56 100

55 144.3 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.90

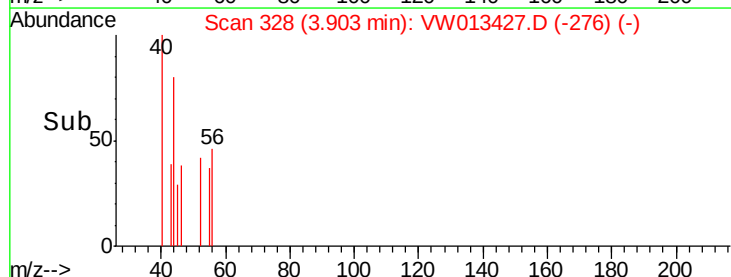
150

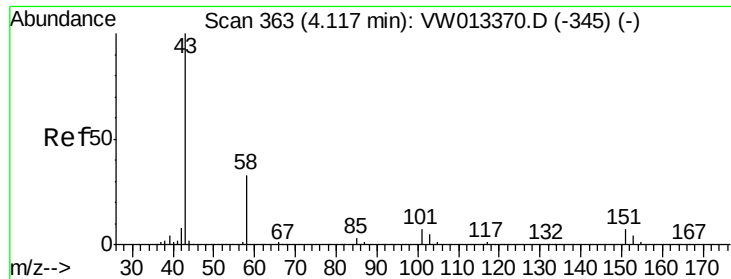
100

50

0

Time-->





#16

Acetone

Concen: 79.871 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW013427.D

Acq: 03 Oct 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

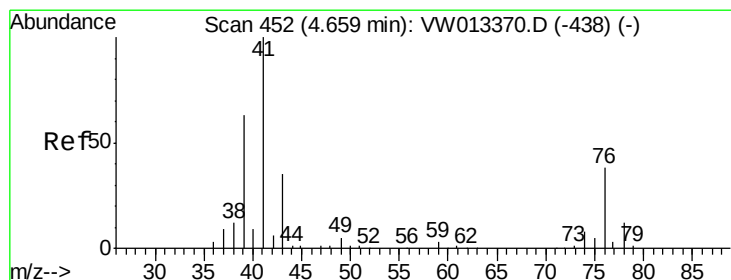
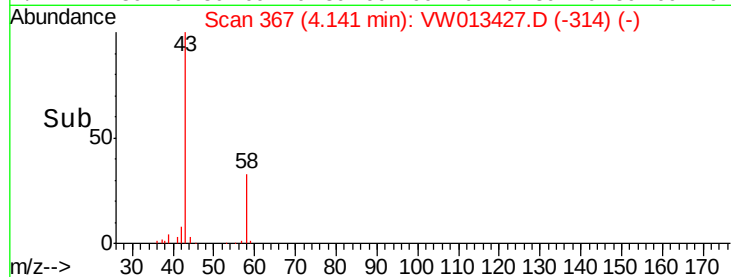
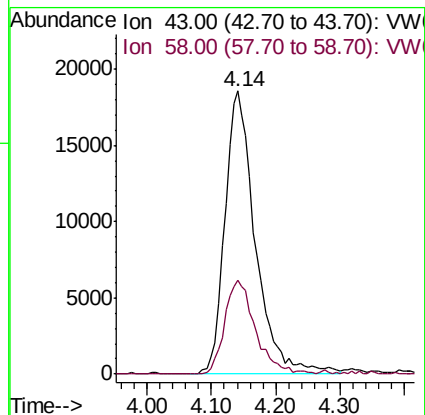
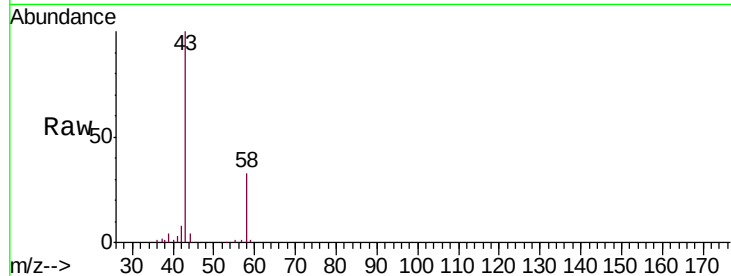
RBR-200052-200029

Tgt Ion: 43 Resp: 61614

Ion Ratio Lower Upper

43 100

58 33.1 24.1 36.1



#18

Methyl Acetate

Concen: 1.352 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.02 min

Lab File: VW013427.D

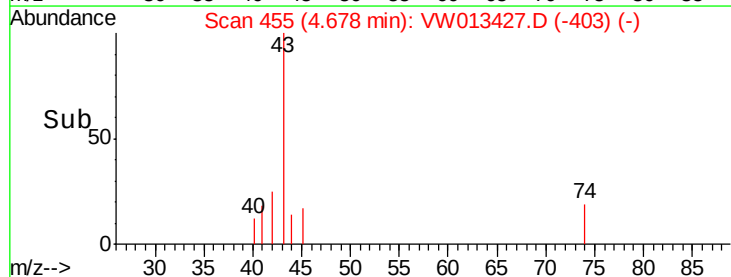
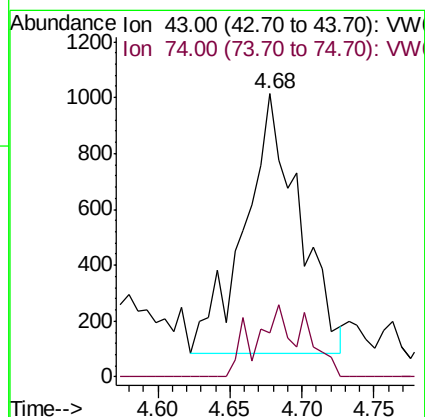
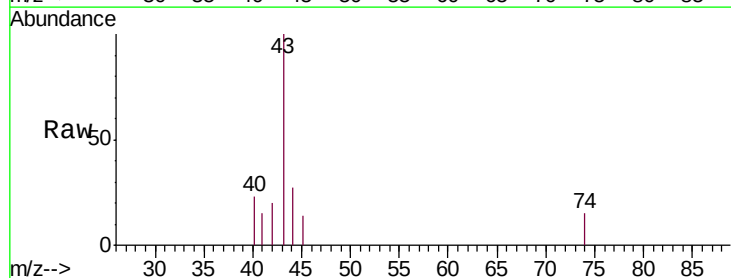
Acq: 03 Oct 2019 17:53

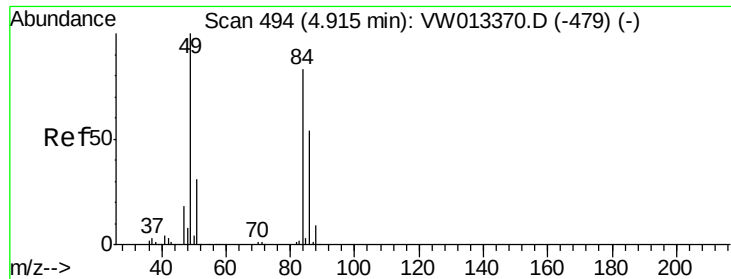
Tgt Ion: 43 Resp: 2442

Ion Ratio Lower Upper

43 100

74 8.5 19.3 28.9#

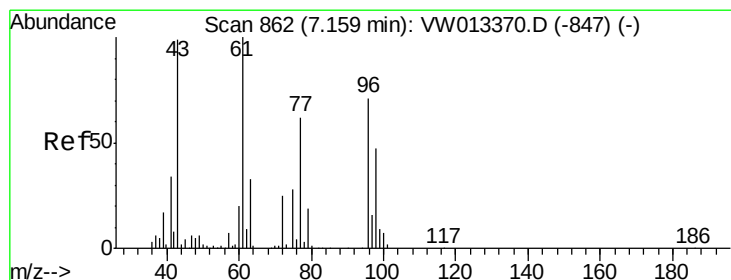
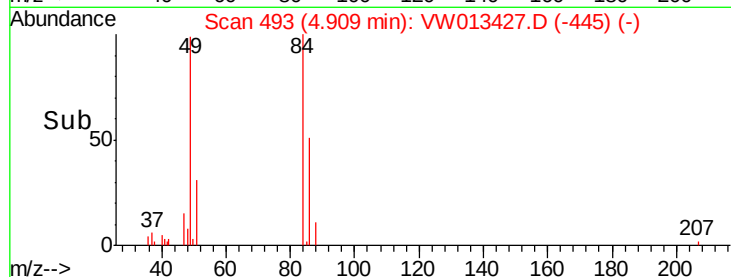
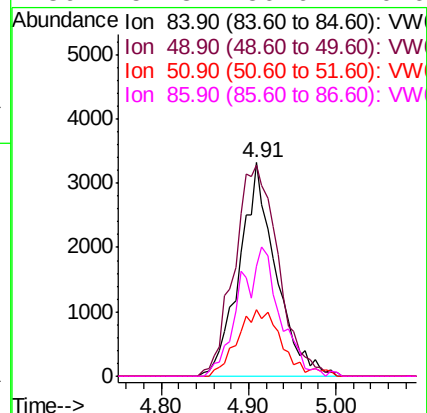
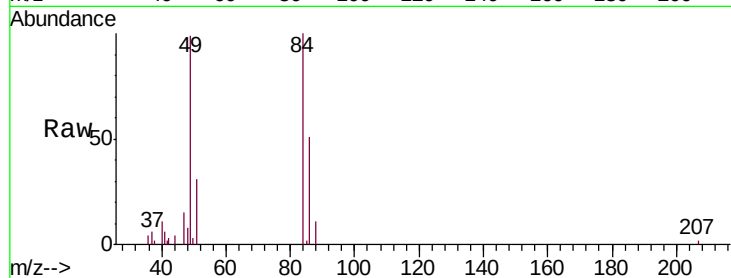




#20
Methylene Chloride
Concen: 1.229 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013427.D
Acq: 03 Oct 2019 17:53

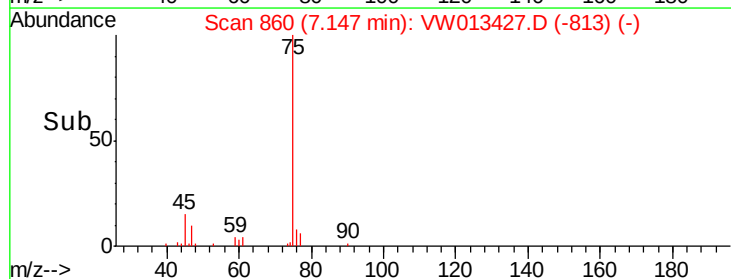
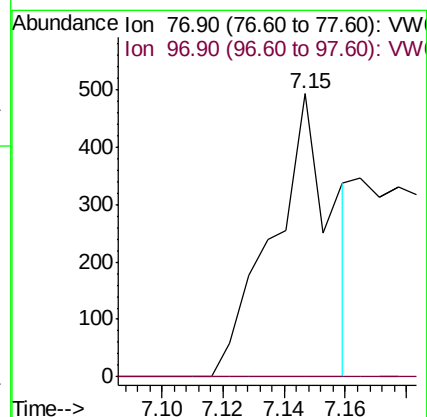
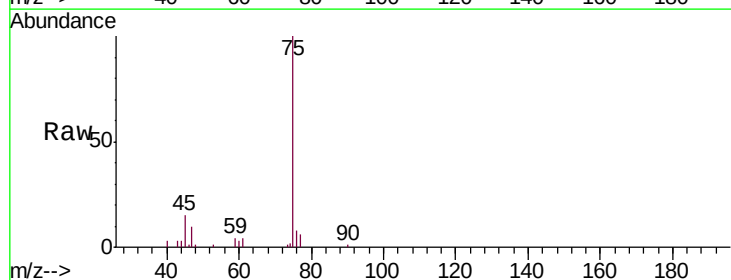
Instrument :
MSVOA_W
ClientSampleId :
RBR-200052-200029

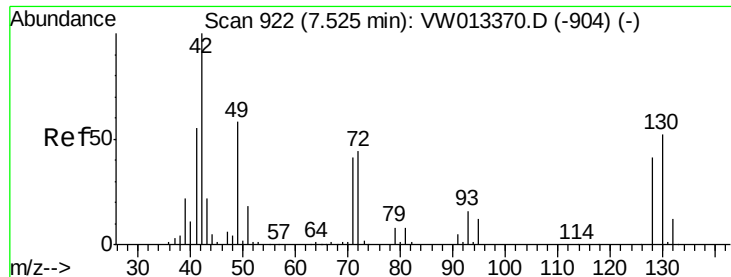
Tgt Ion:	84	Resp:	9581
Ion	Ratio	Lower	Upper
84	100		
49	99.1	97.6	146.4
51	31.1	30.2	45.2
86	51.3	50.6	76.0



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: VW013427.D
Acq: 03 Oct 2019 17:53

Tgt Ion:	77	Resp:	662
Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.8	35.4#





#29

Tetrahydrofuran

Concen: 16.097 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW013427.D

Acq: 03 Oct 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

RBR-200052-200029

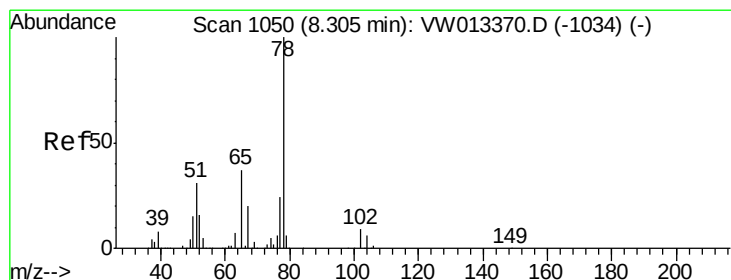
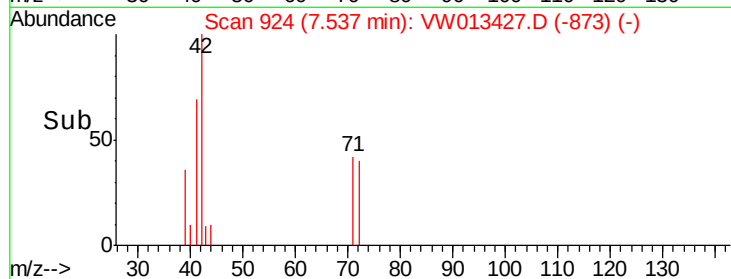
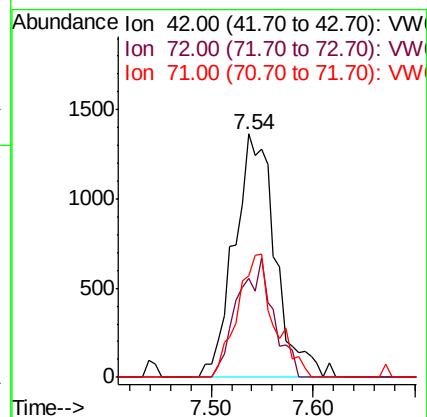
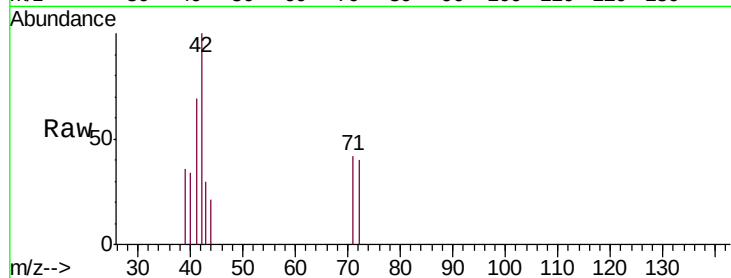
Tgt Ion: 42 Resp: 3825

Ion Ratio Lower Upper

42 100

72 42.2 33.9 50.9

71 44.9 31.9 47.9



#33

1,2-Dichloroethane-d4

Concen: 53.304 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013427.D

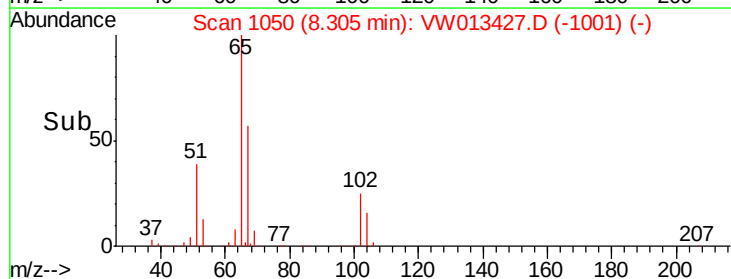
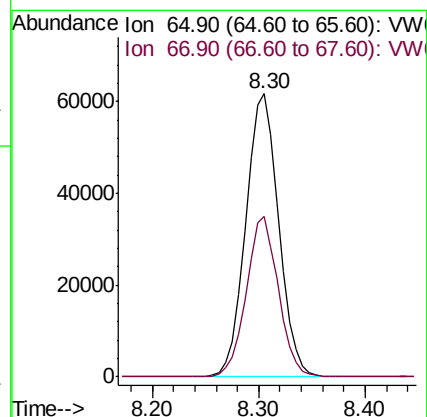
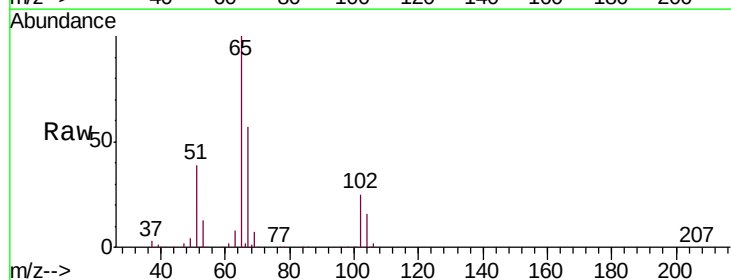
Acq: 03 Oct 2019 17:53

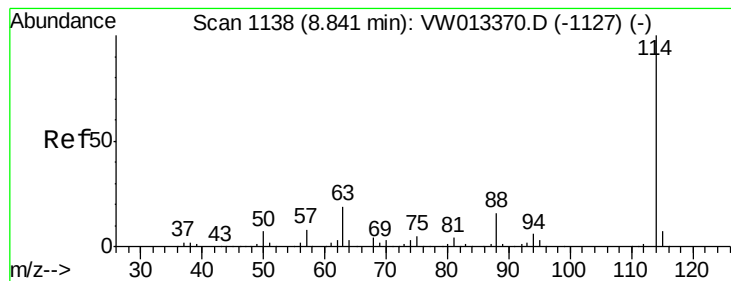
Tgt Ion: 65 Resp: 134150

Ion Ratio Lower Upper

65 100

67 55.0 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013427.D

Acq: 03 Oct 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

RBR-200052-200029

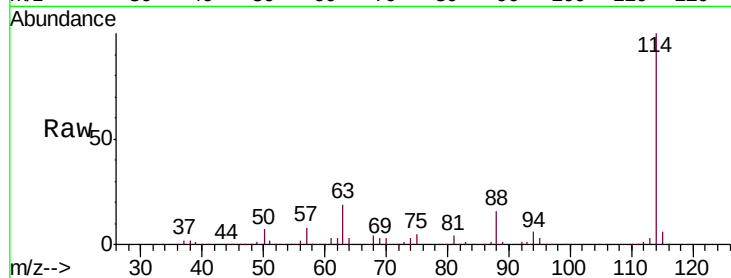
Tgt Ion:114 Resp: 498937

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

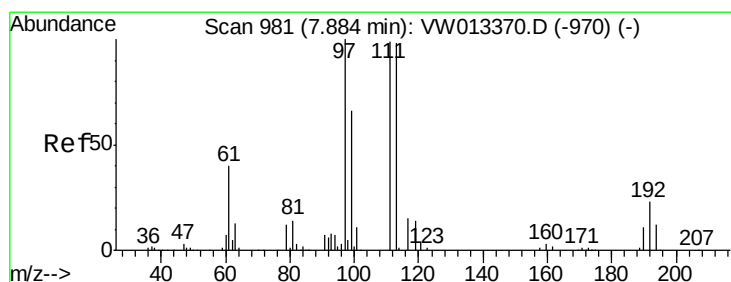
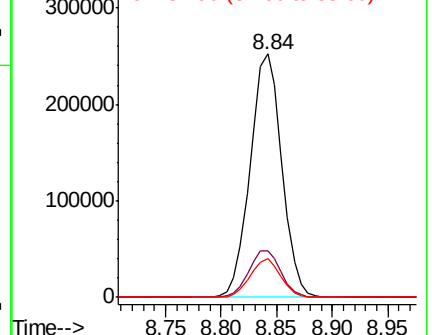
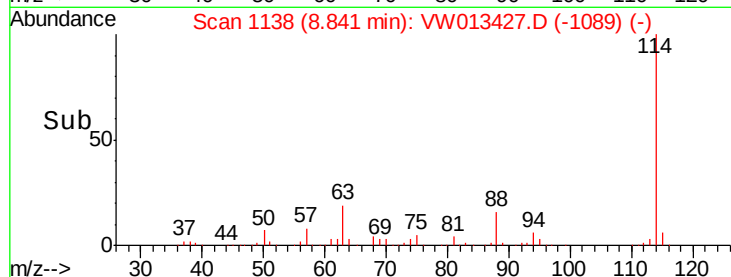
88 15.7 0.0 32.0



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: 53.200 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013427.D

Acq: 03 Oct 2019 17:53

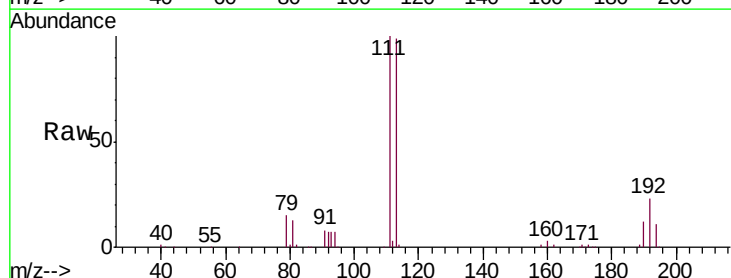
Tgt Ion:113 Resp: 139279

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

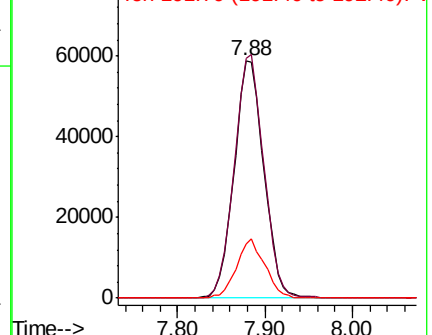
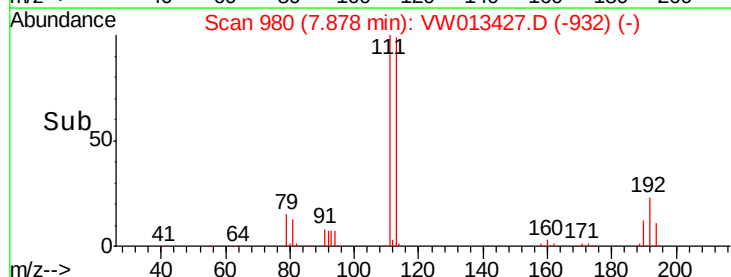
192 23.8 19.1 28.7

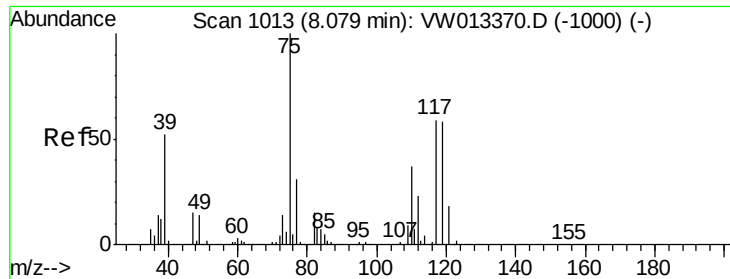


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

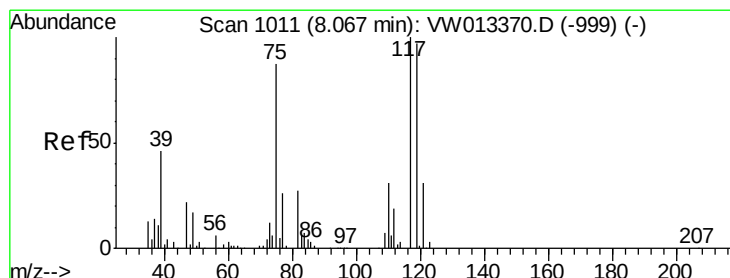
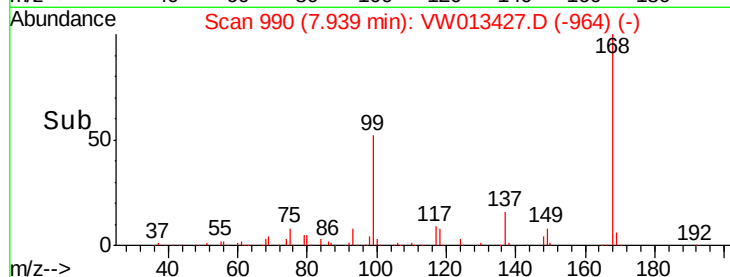
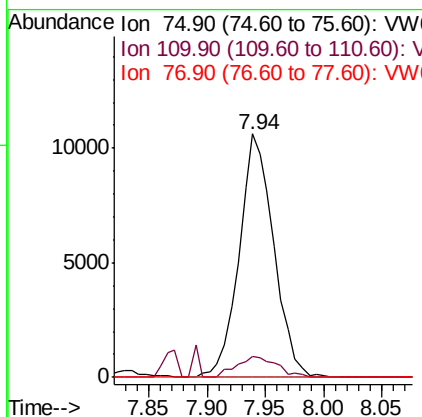
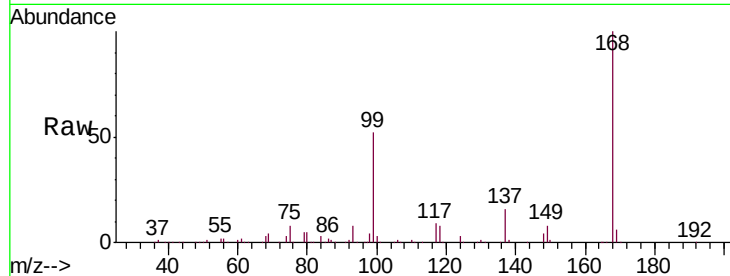




#36
 1,1-Dichloropropene
 Concen: 4.730 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013427.D
 Acq: 03 Oct 2019 17:53

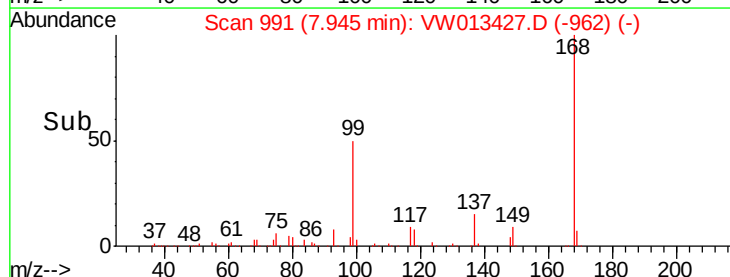
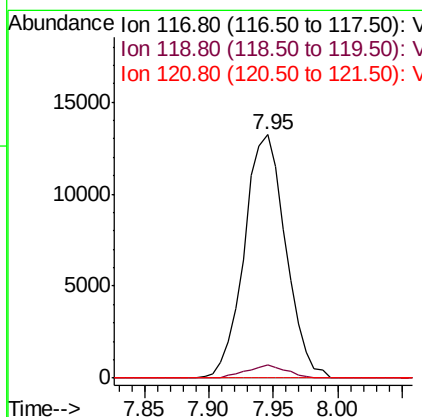
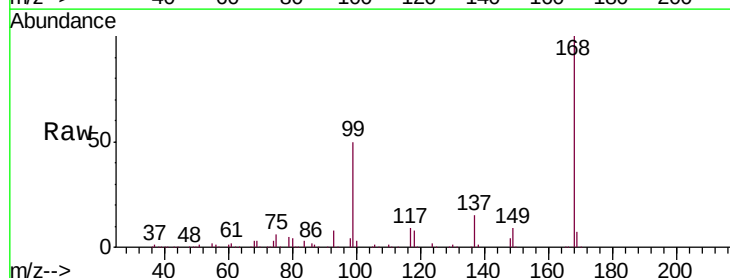
Instrument :
 MSVOA_W
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 RBR-200052-200029

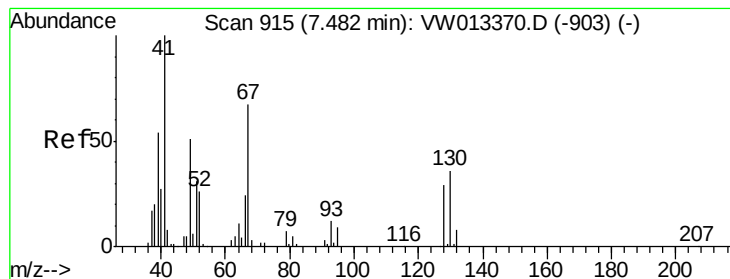
Tgt Ion: 75 Resp: 21919
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.3#
 77 0.0 25.8 38.6#



#38
 Carbon Tetrachloride
 Concen: 7.315 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013427.D
 Acq: 03 Oct 2019 17:53

Tgt Ion: 117 Resp: 29366
 Ion Ratio Lower Upper
 117 100
 119 5.7 73.5 110.3#
 121 0.0 25.0 37.6#





#41

Methacrylonitrile

Concen: 1.928 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW013427.D

Acq: 03 Oct 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

RBR-200052-200029

Tgt Ion: 41 Resp: 2378

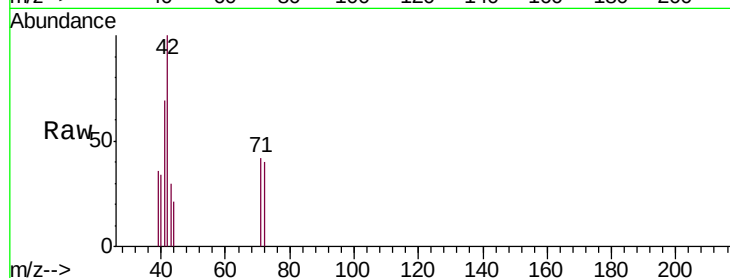
Ion Ratio Lower Upper

41 100

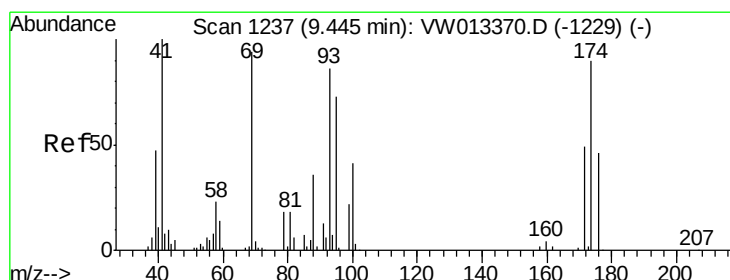
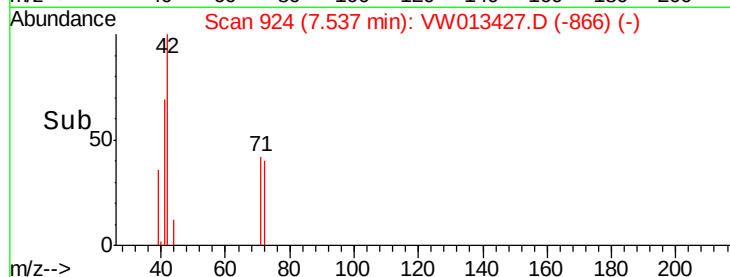
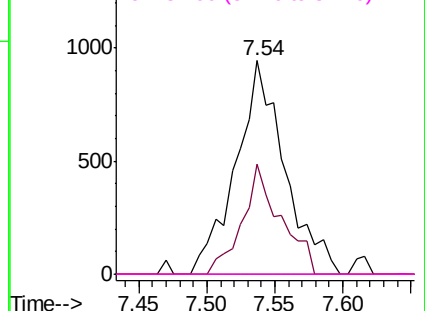
39 40.1 45.9 68.9#

67 0.0 54.5 81.7#

52 0.0 22.5 33.7#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.65 min Scan# 1271

Delta R.T. 0.21 min

Lab File: VW013427.D

Acq: 03 Oct 2019 17:53

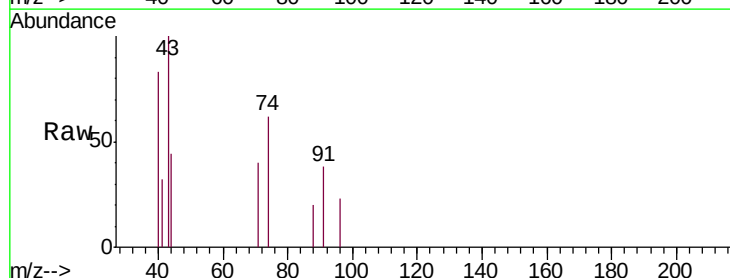
Tgt Ion: 88 Resp: 47

Ion Ratio Lower Upper

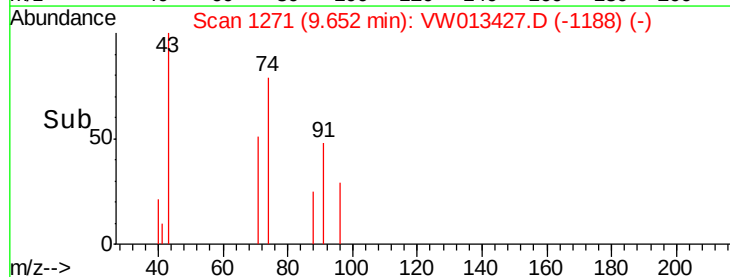
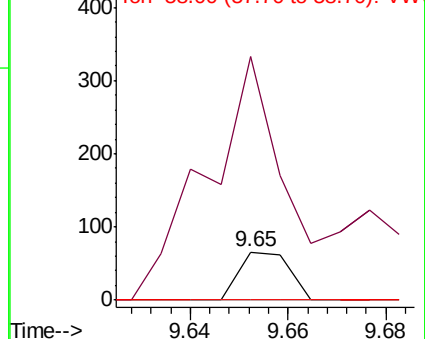
88 100

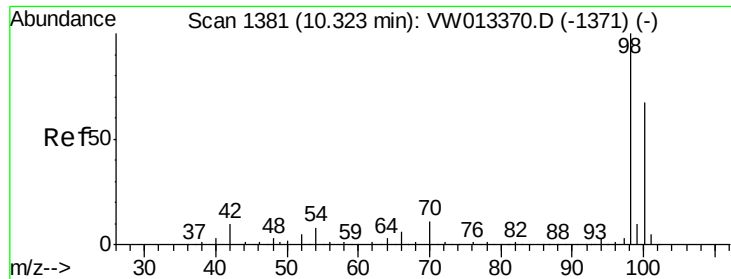
43 836.2 0.0 0.0#

58 0.0 65.4 98.0#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

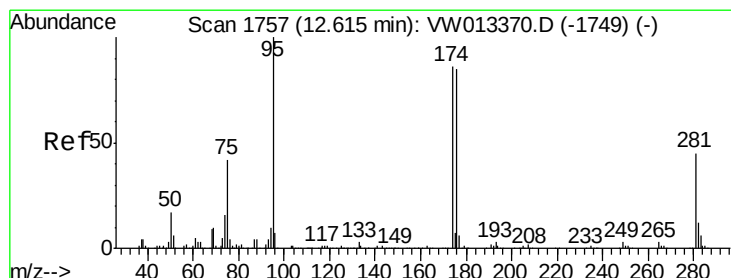
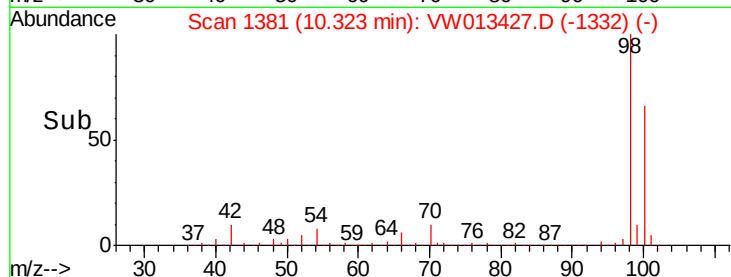
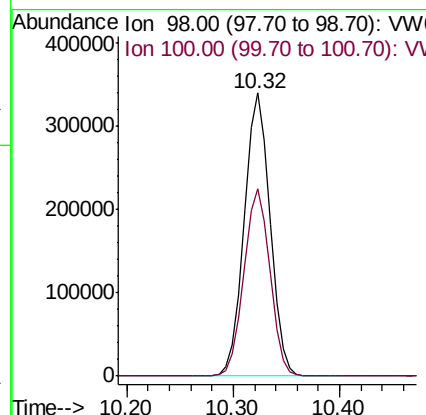
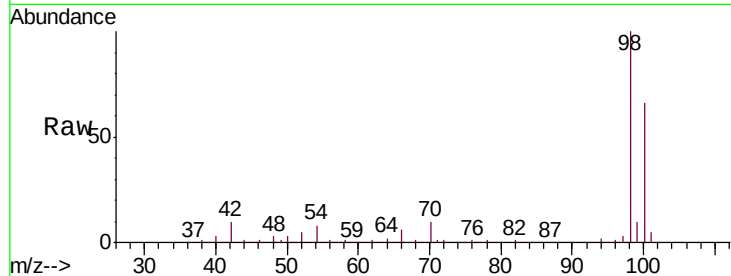




#50
Toluene-d8
Concen: 53.439 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013427.D
Acq: 03 Oct 2019 17:53

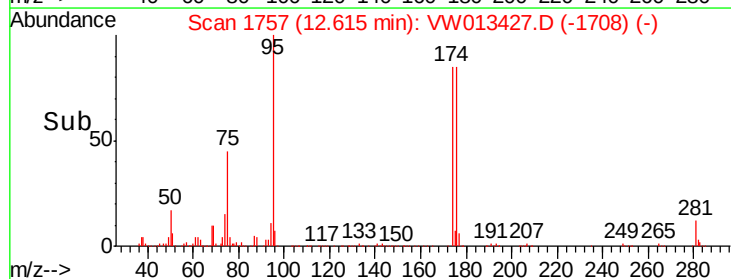
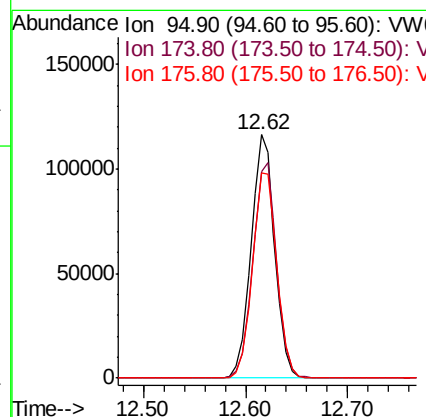
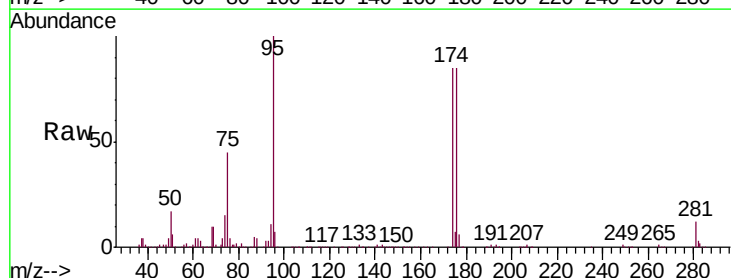
Instrument :
MSVOA_W
ClientSampleId :
RBR-200052-200029

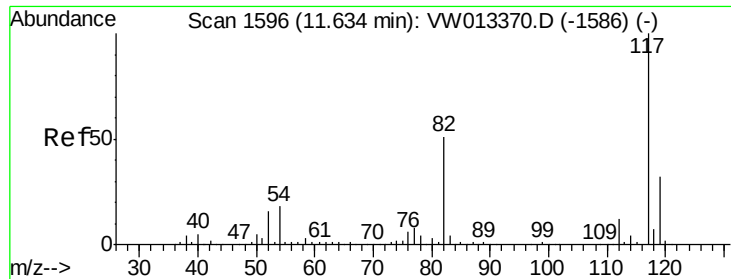
Tgt Ion: 98 Resp: 580580
Ion Ratio Lower Upper
98 100
100 66.6 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 51.484 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013427.D
Acq: 03 Oct 2019 17:53

Tgt Ion: 95 Resp: 186785
Ion Ratio Lower Upper
95 100
174 89.7 0.0 178.4
176 87.7 0.0 172.2

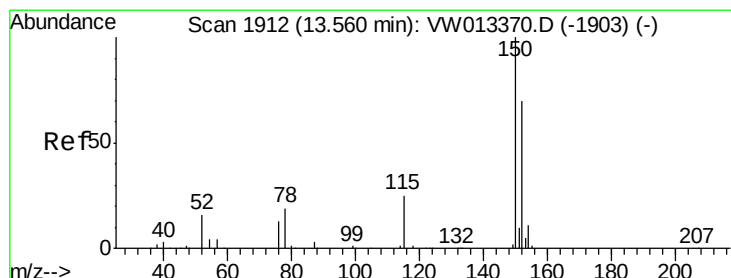
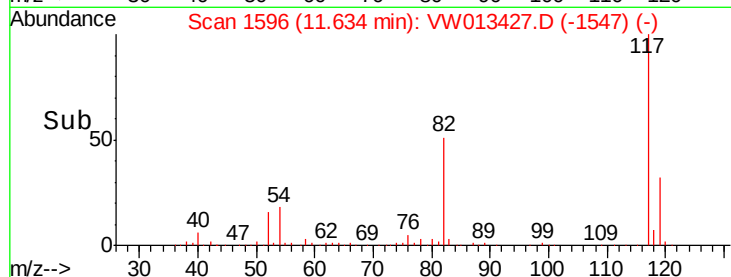
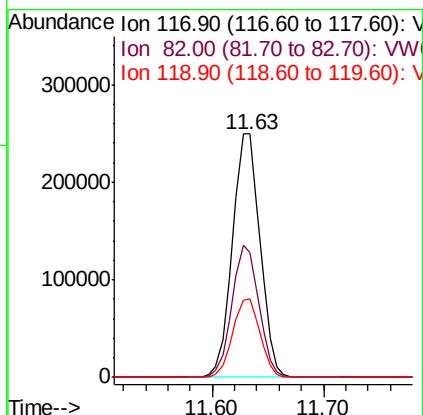
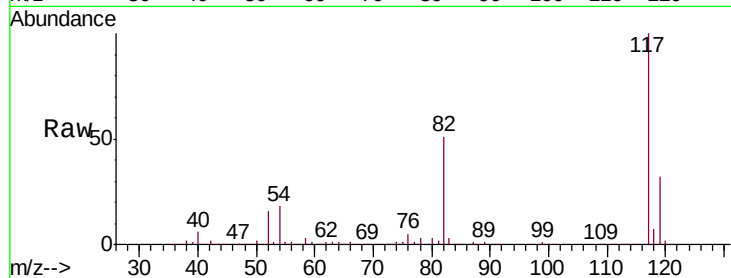




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW013427.D
Acq: 03 Oct 2019 17:53

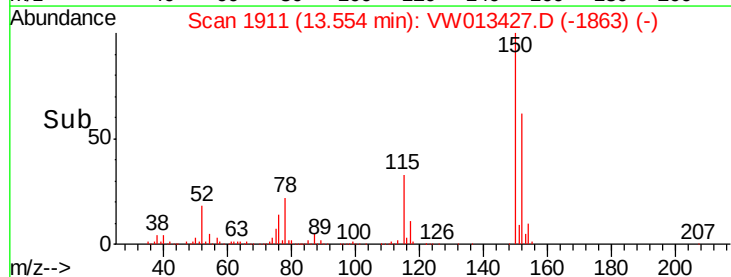
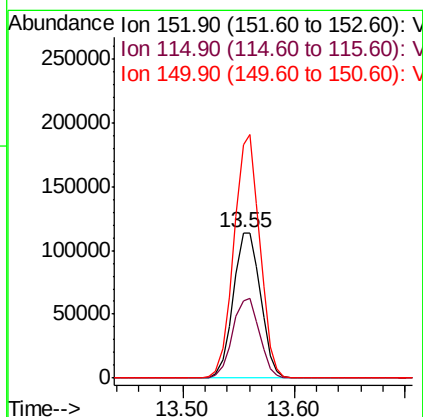
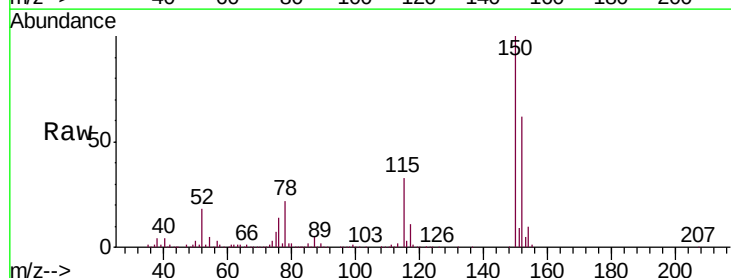
Instrument :
MSVOA_W
ClientSampleId :
RBR-200052-200029

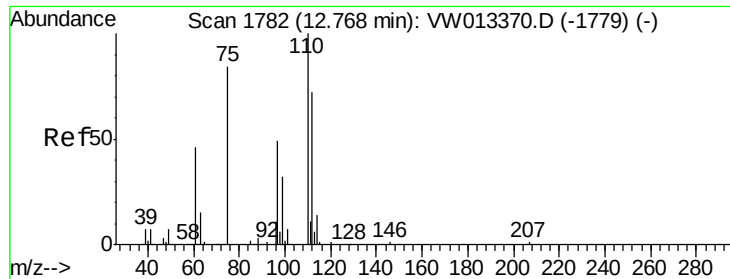
Tgt Ion:117 Resp: 427989
Ion Ratio Lower Upper
117 100
82 51.4 45.9 68.9
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013427.D
Acq: 03 Oct 2019 17:53

Tgt Ion:152 Resp: 193283
Ion Ratio Lower Upper
152 100
115 54.0 27.3 81.9
150 158.3 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 49.586 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013427.D

Acq: 03 Oct 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

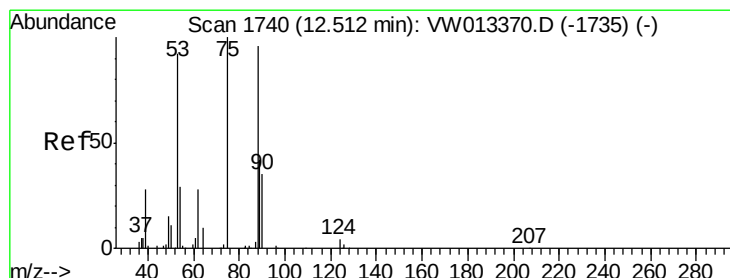
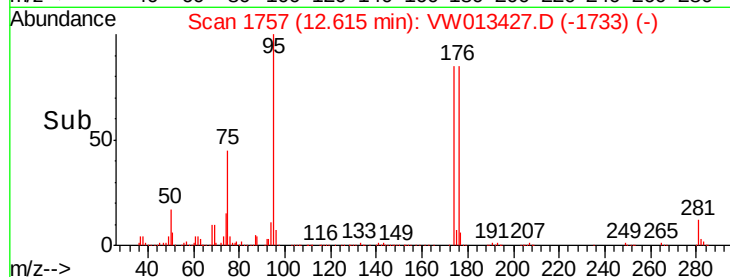
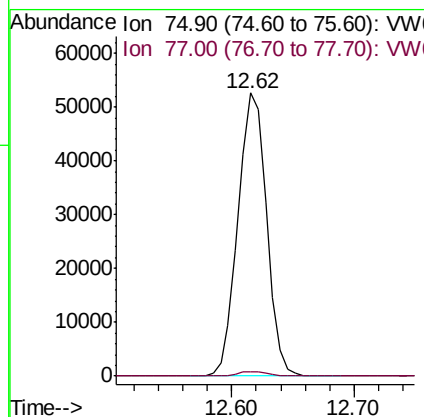
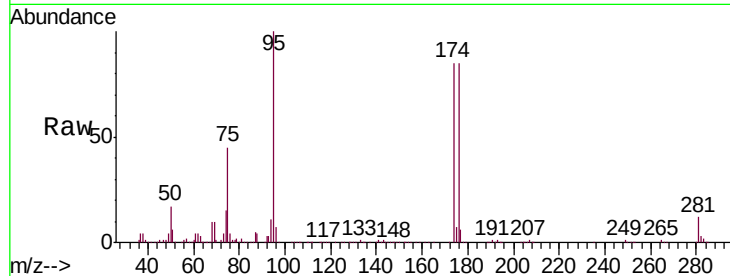
RBR-200052-200029

Tgt Ion: 75 Resp: 85180

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 100.786 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013427.D

Acq: 03 Oct 2019 17:53

Tgt Ion: 75 Resp: 85180

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 33.5 50.3#

