

Data File : VW013428.D
Acq On : 03 Oct 2019 18:19
Operator : SY/VA
Sample : K5204-01
Misc : 5.92G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR-200028-RT-3425

Quant Time: Oct 04 08:30:20 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	334014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	495924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	417266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	184503	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135110	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
35) Dibromofluoromethane	7.88	113	138743	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
50) Toluene-d8	10.32	98	570403	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
62) 4-Bromofluorobenzene	12.62	95	180333	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	

Target Compounds

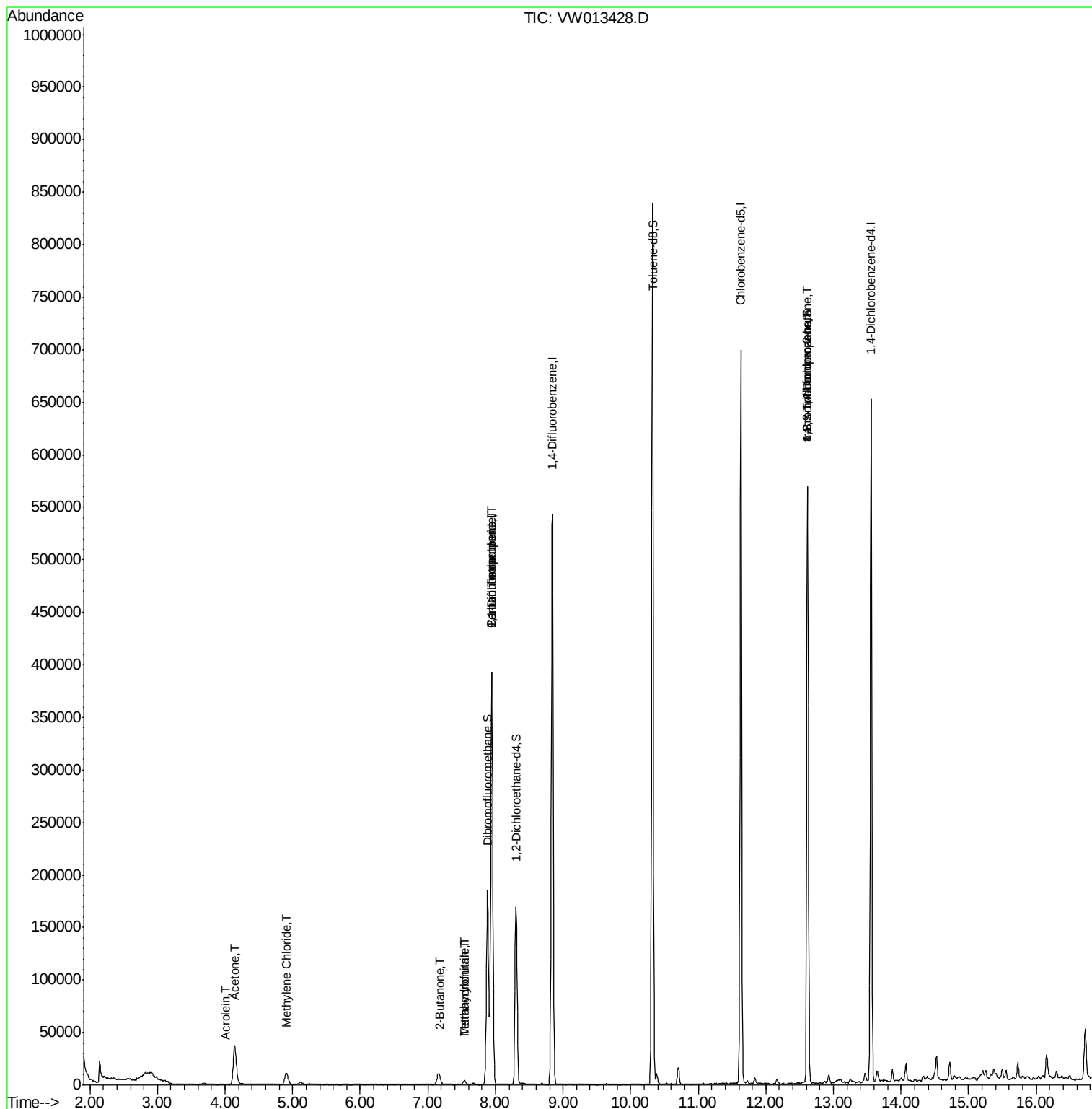
						Qvalue
11) Tert butyl alcohol	5.13	59	2084	Below Cal	#	73
13) Acrolein	4.01	56	19	10.650	ug/l #	15
16) Acetone	4.14	43	79436	103.912	ug/l	99
20) Methylene Chloride	4.91	84	9416	1.203	ug/l #	88
25) 2-Butanone	7.18	43	1558	1.593	ug/l	94
26) 2,2-Dichloropropane	7.16	77	1019	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	3781	16.081	ug/l #	85
36) 1,1-Dichloropropene	7.95	75	21658	4.702	ug/l #	49
38) Carbon Tetrachloride	7.95	117	28125	7.049	ug/l #	17
41) Methacrylonitrile	7.54	41	2437	1.988	ug/l #	39
76) 1,2,3-Trichloropropane	12.62	75	86412	52.696	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86412	106.846	ug/l #	12

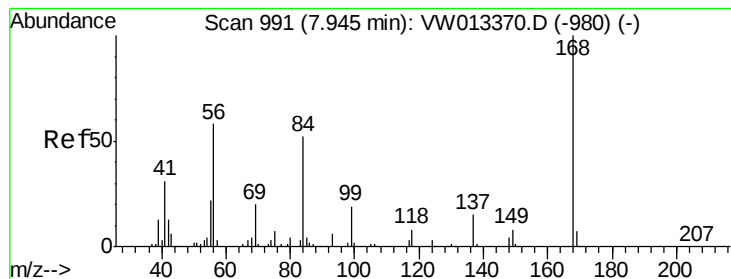
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013428.D

Acq: 03 Oct 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

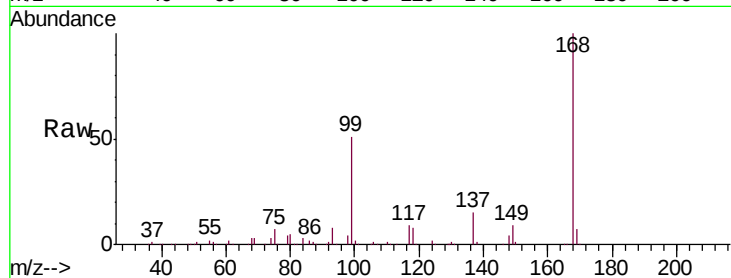
RBR-200028-RT-3425

Tgt Ion:168 Resp: 334014

Ion Ratio Lower Upper

168 100

99 50.8 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

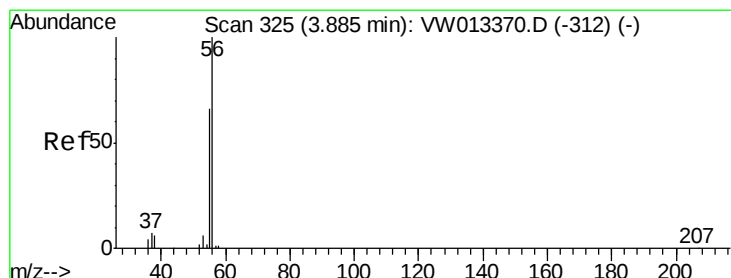
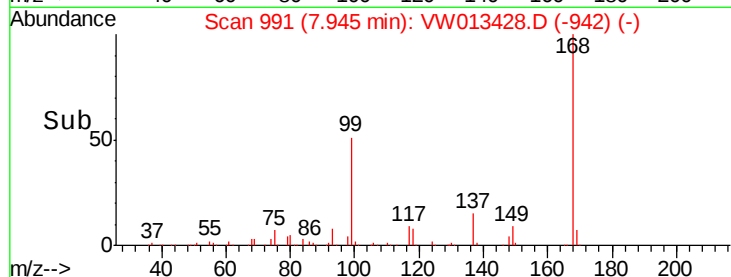
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#13

Acrolein

Concen: 10.650 ug/l

RT: 4.01 min Scan# 345

Delta R.T. 0.12 min

Lab File: VW013428.D

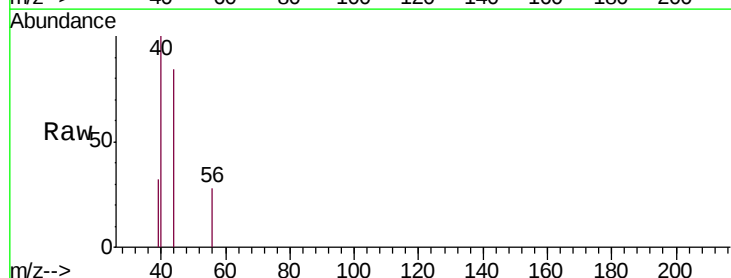
Acq: 03 Oct 2019 18:19

Tgt Ion: 56 Resp: 19

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

4.01

60

50

40

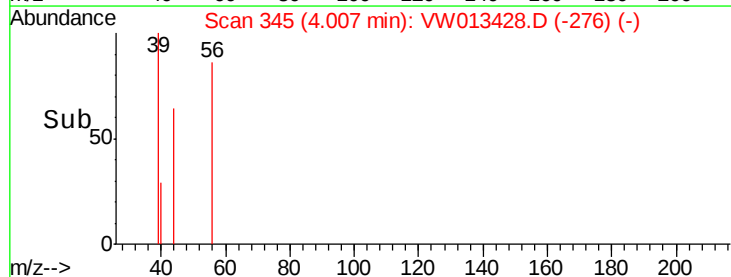
30

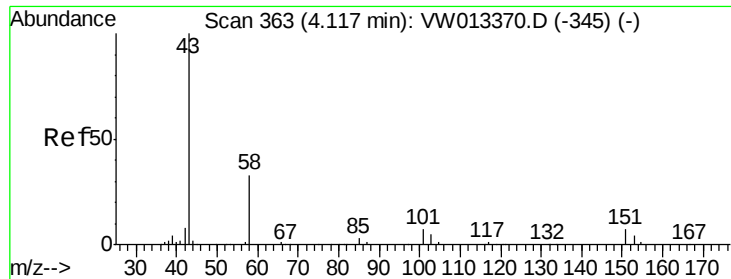
20

10

0

Time--> 3.99 4.00 4.01 4.02





#16

Acetone

Concen: 103.912 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013428.D

Acq: 03 Oct 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

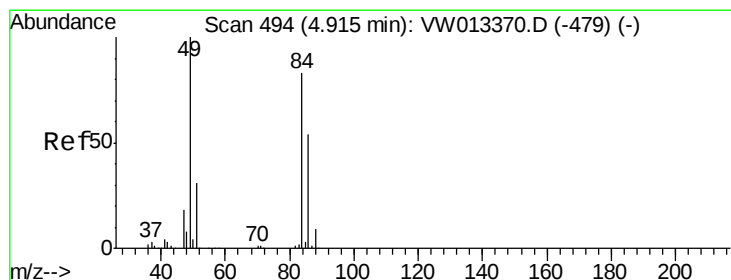
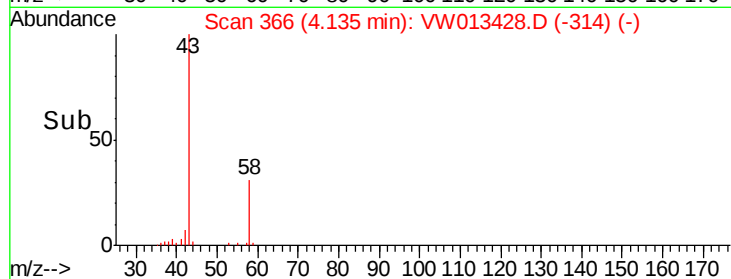
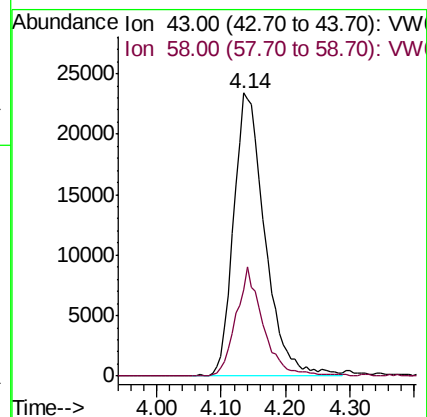
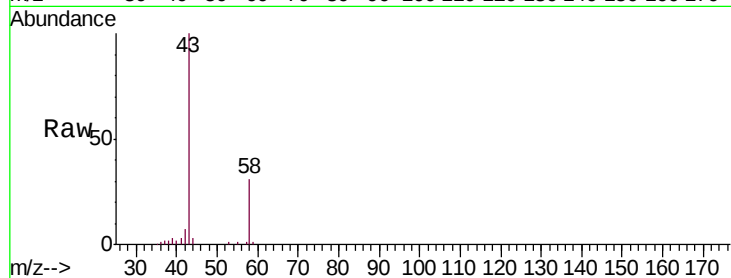
RBR-200028-RT-3425

Tgt Ion: 43 Resp: 79436

Ion Ratio Lower Upper

43 100

58 30.5 24.1 36.1



#20

Methylene Chloride

Concen: 1.203 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013428.D

Acq: 03 Oct 2019 18:19

Tgt Ion: 84 Resp: 9416

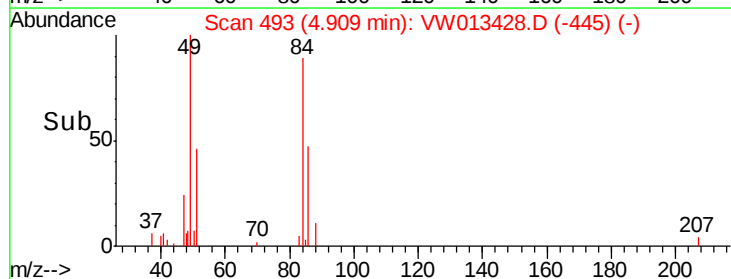
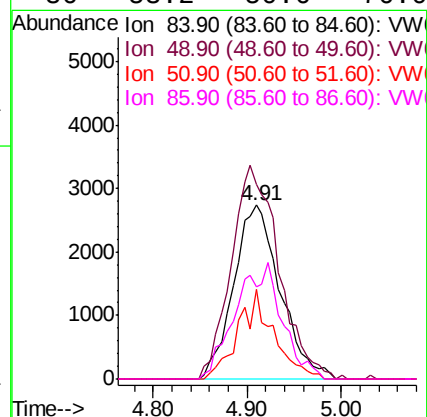
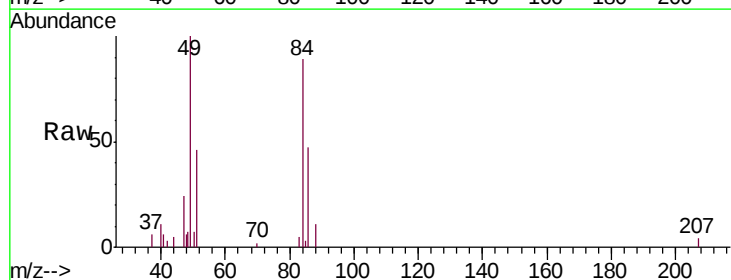
Ion Ratio Lower Upper

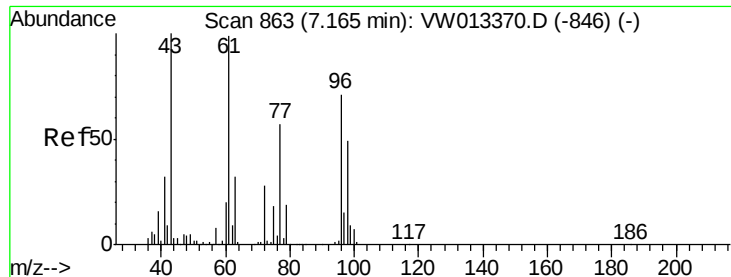
84 100

49 112.1 97.6 146.4

51 51.6 30.2 45.2#

86 53.2 50.6 76.0





#25

2-Butanone

Concen: 1.593 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013428.D

Acq: 03 Oct 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

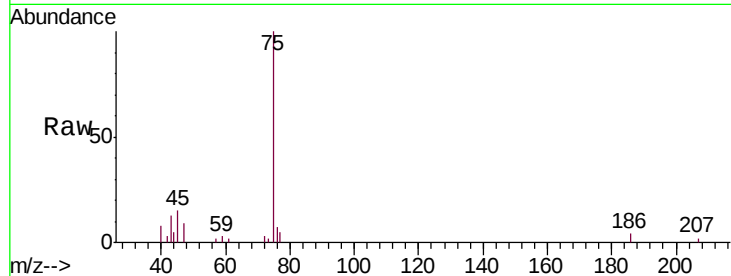
RBR-200028-RT-3425

Tgt Ion: 43 Resp: 1558

Ion Ratio Lower Upper

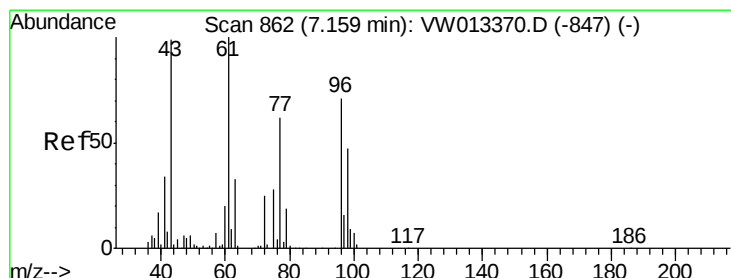
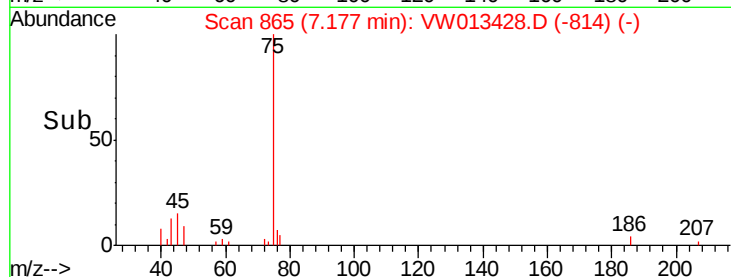
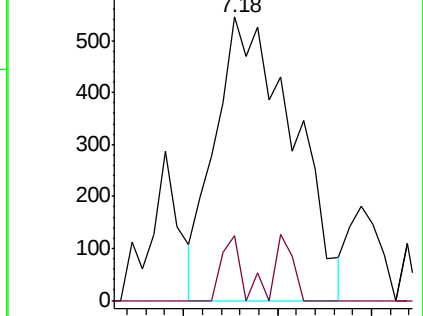
43 100

72 27.0 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013428.D

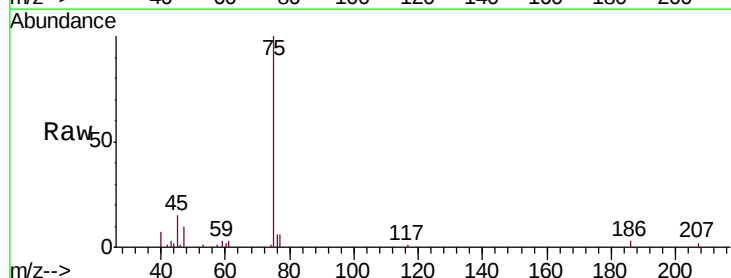
Acq: 03 Oct 2019 18:19

Tgt Ion: 77 Resp: 1019

Ion Ratio Lower Upper

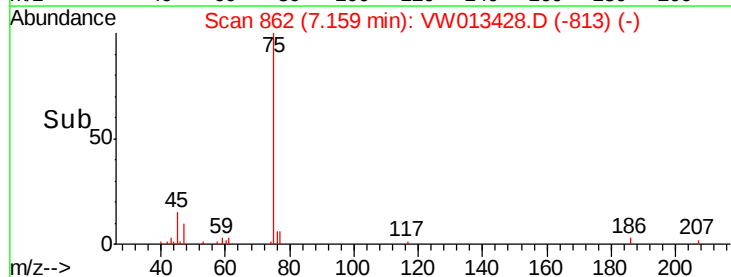
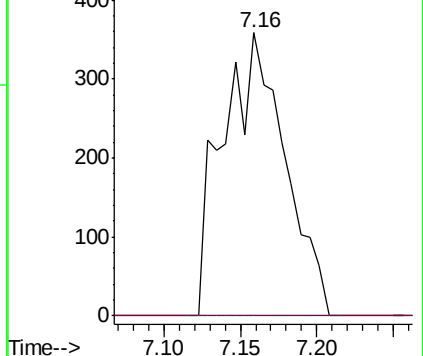
77 100

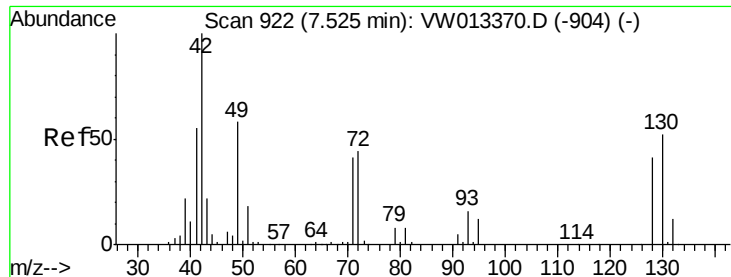
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#29

Tetrahydrofuran

Concen: 16.081 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW013428.D

Acq: 03 Oct 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

RBR-200028-RT-3425

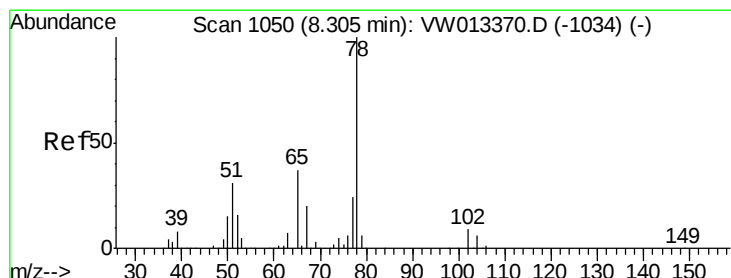
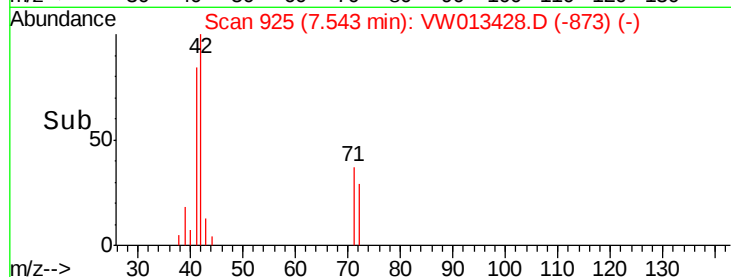
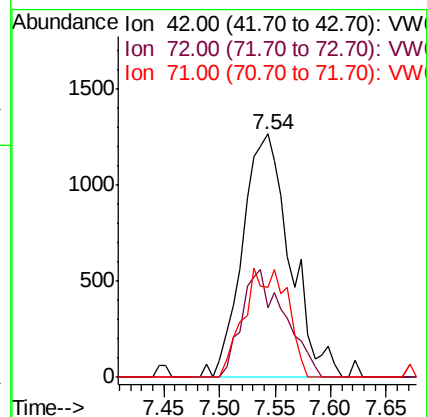
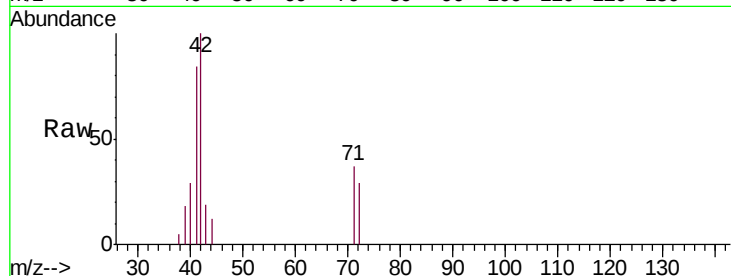
Tgt Ion: 42 Resp: 3781

Ion Ratio Lower Upper

42 100

72 39.6 33.9 50.9

71 23.4 31.9 47.9#



#33

1,2-Dichloroethane-d4

Concen: 54.174 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013428.D

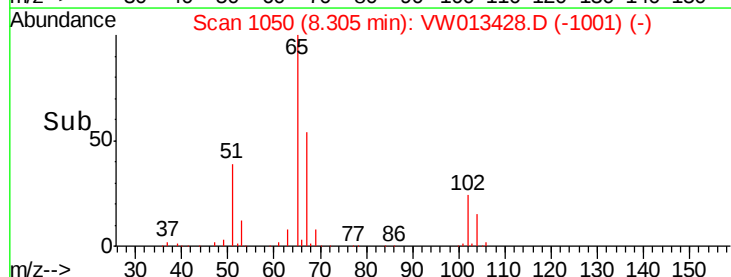
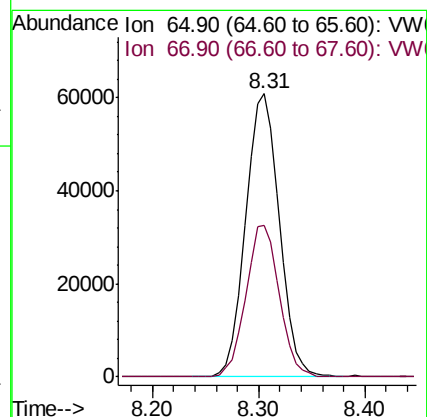
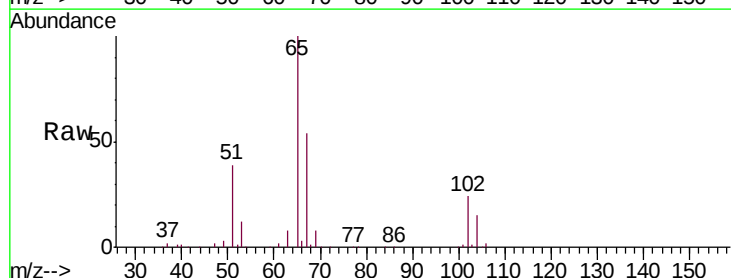
Acq: 03 Oct 2019 18:19

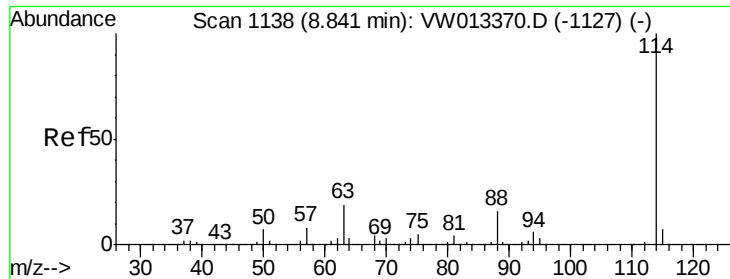
Tgt Ion: 65 Resp: 135110

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.2

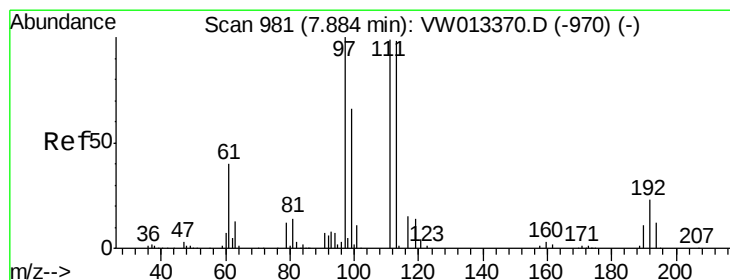
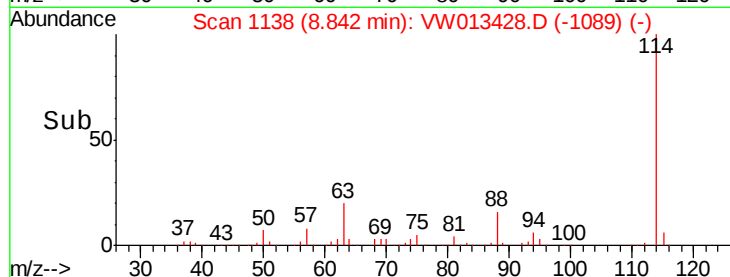
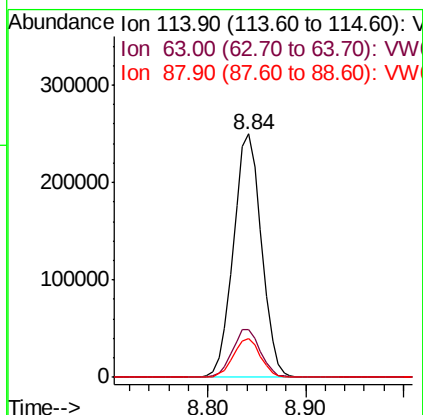
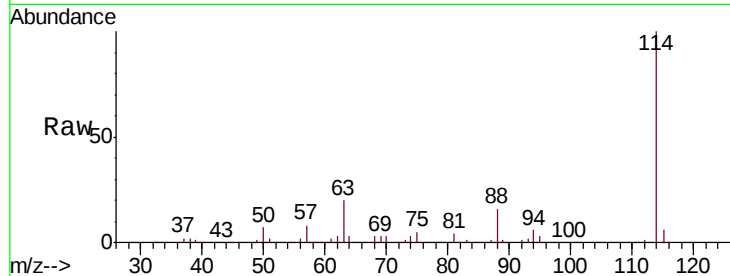




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013428.D
 Acq: 03 Oct 2019 18:19

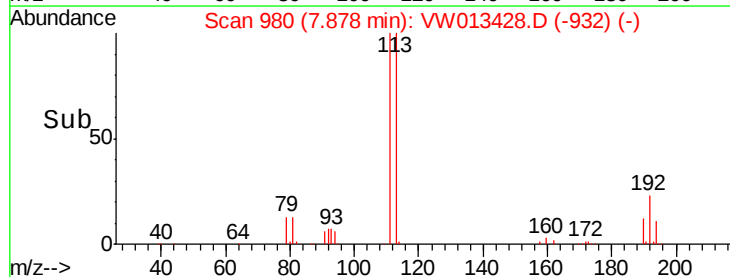
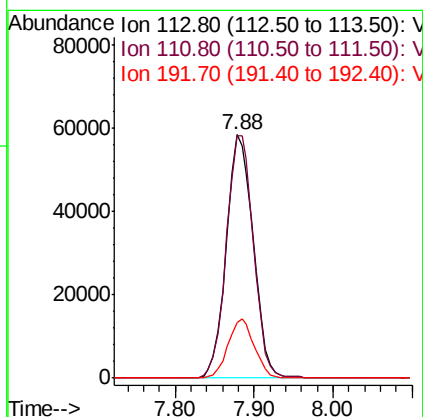
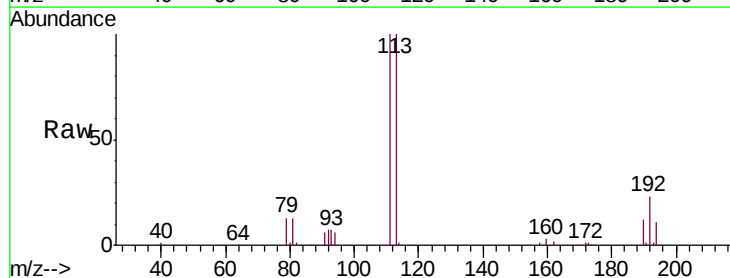
Instrument :
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 RBR-200028-RT-3425

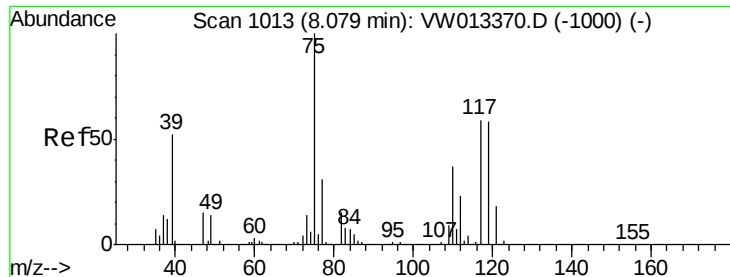
Tgt Ion:114 Resp: 495924
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.8 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 53.317 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013428.D
 Acq: 03 Oct 2019 18:19

Tgt Ion:113 Resp: 138743
 Ion Ratio Lower Upper
 113 100
 111 100.1 81.9 122.9
 192 23.7 19.1 28.7

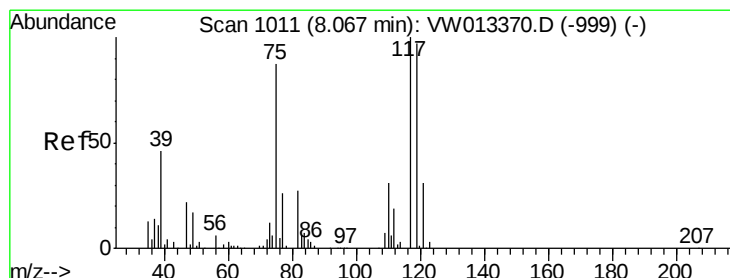
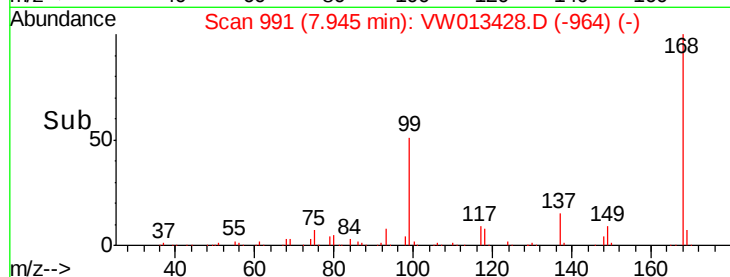
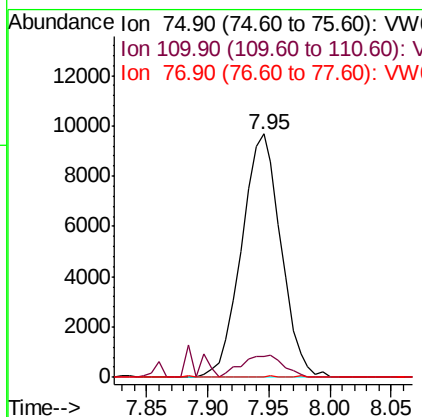
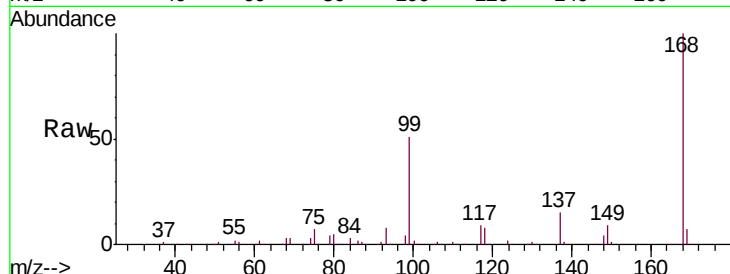




#36
 1,1-Dichloropropene
 Concen: 4.702 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013428.D
 Acq: 03 Oct 2019 18:19

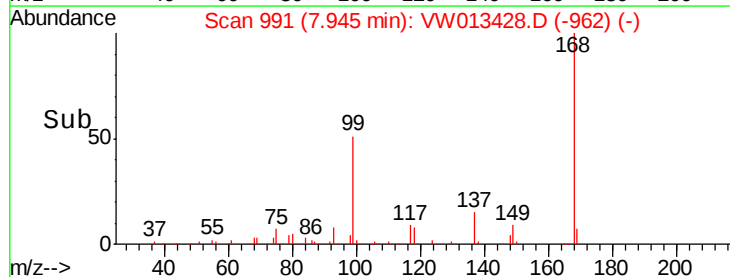
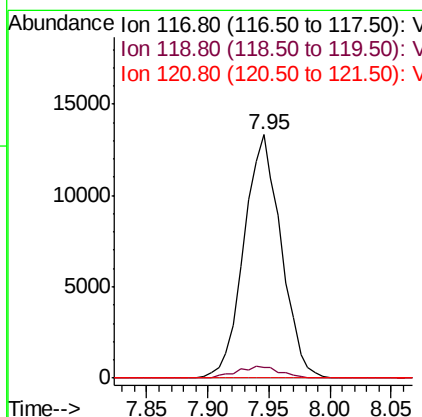
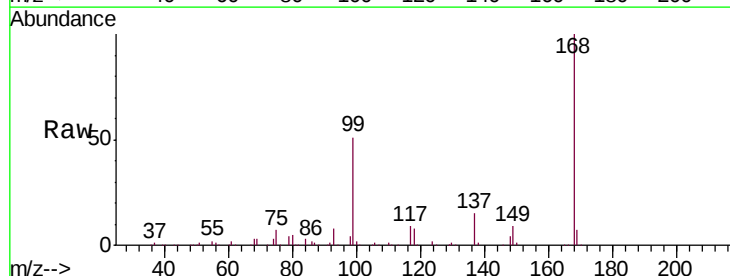
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200028-RT-3425

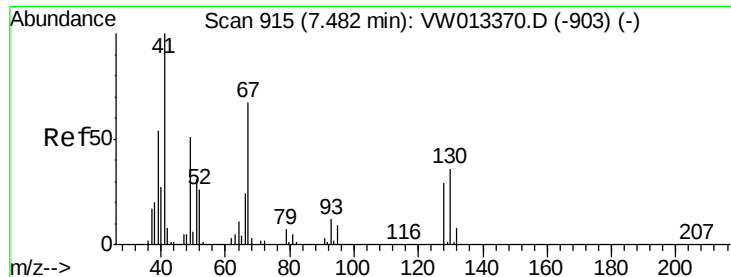
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.1	54.3#
77	0.1	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 7.049 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013428.D
 Acq: 03 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	73.5	110.3#
121	0.0	25.0	37.6#

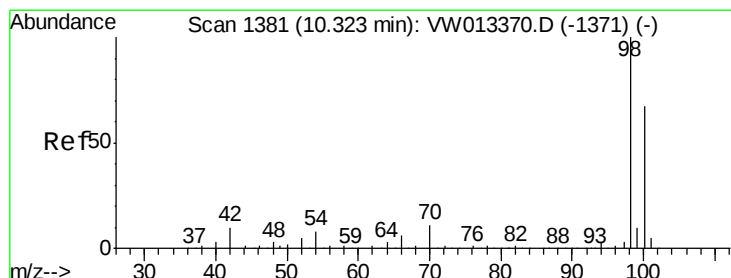
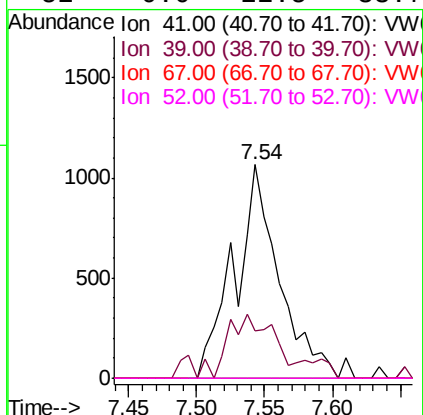
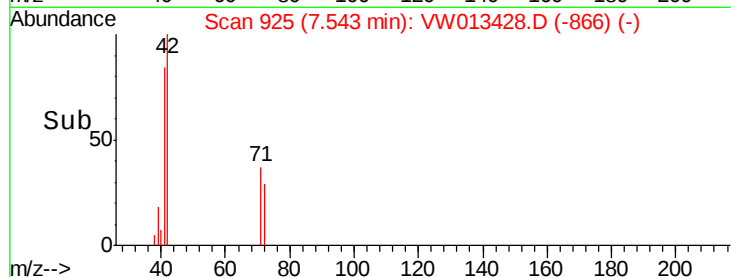
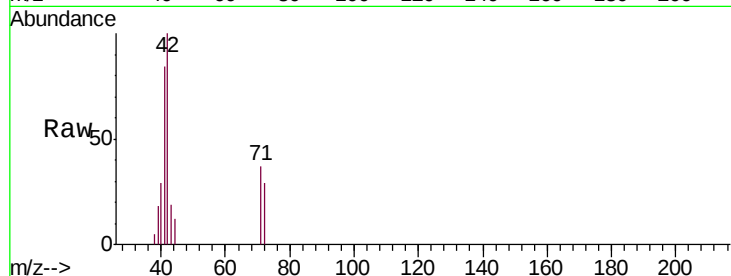




#41
Methacrylonitrile
Concen: 1.988 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW013428.D
Acq: 03 Oct 2019 18:19

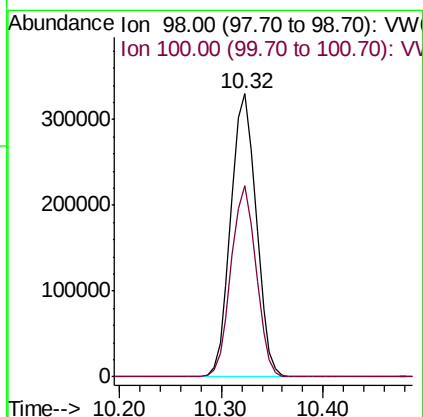
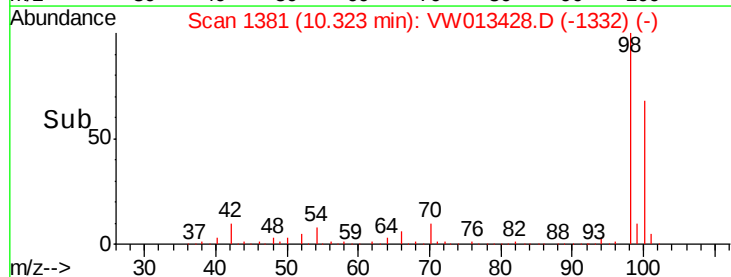
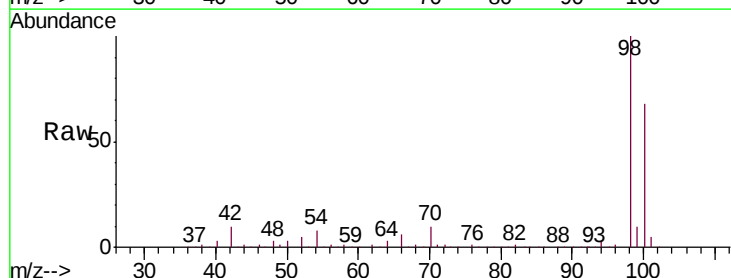
Instrument :
MSVOA_W
ClientSampleId :
RBR-200028-RT-3425

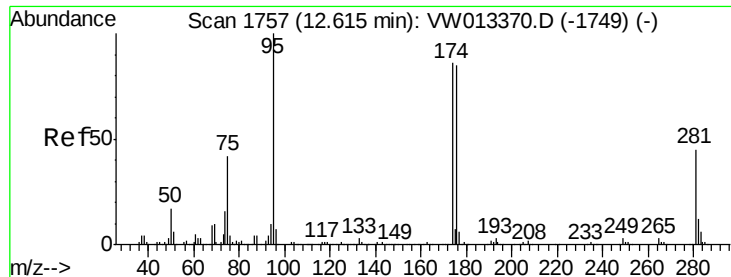
Tgt Ion: 41 Resp: 2437
Ion Ratio Lower Upper
41 100
39 29.9 45.9 68.9#
67 0.0 54.5 81.7#
52 0.0 22.5 33.7#



#50
Toluene-d8
Concen: 52.821 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013428.D
Acq: 03 Oct 2019 18:19

Tgt Ion: 98 Resp: 570403
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3

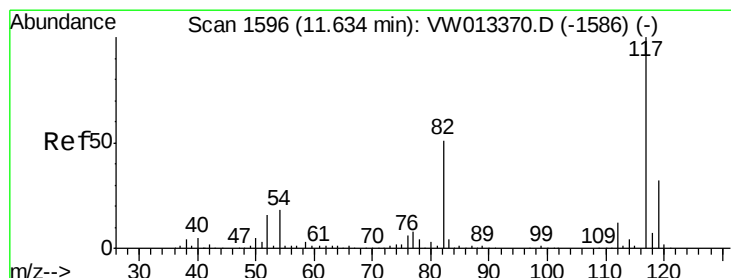
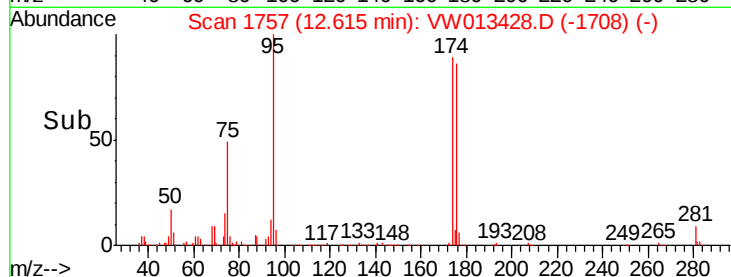
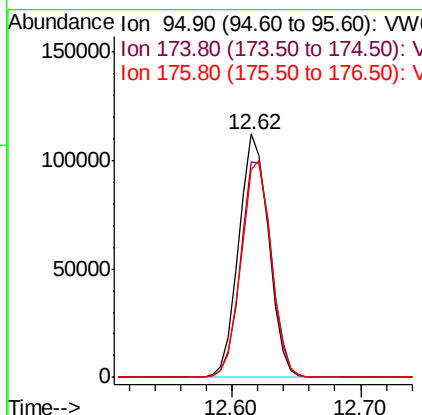
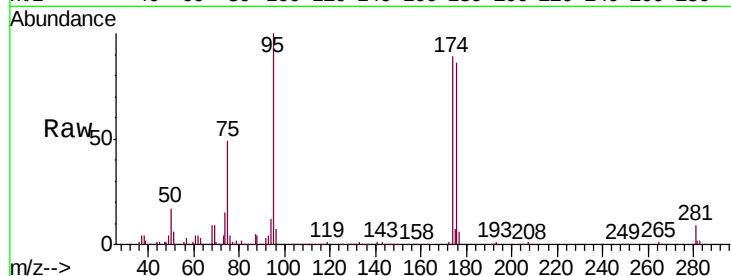




#62
4-Bromofluorobenzene
Concen: 50.008 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013428.D
Acq: 03 Oct 2019 18:19

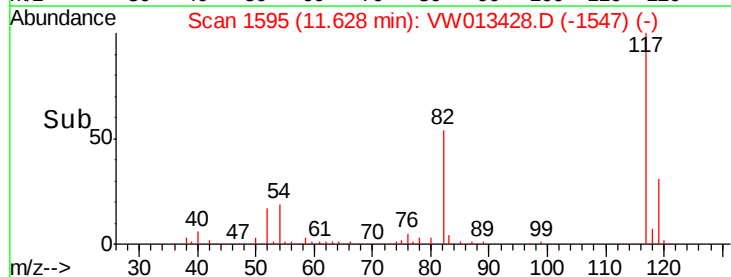
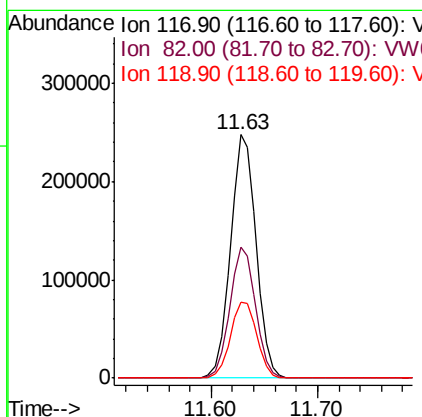
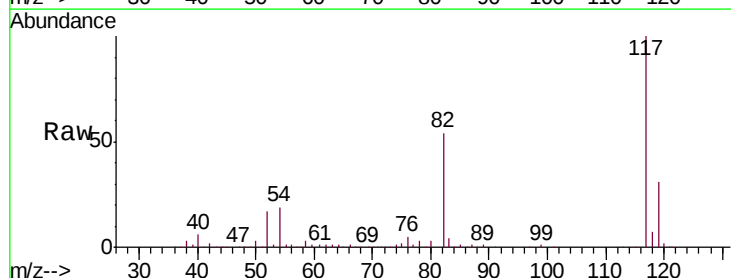
Instrument :
MSVOA_W
ClientSampleId :
RBR-200028-RT-3425

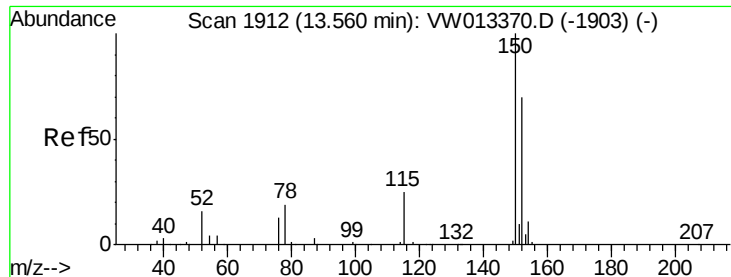
Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	178.4
176	88.8	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013428.D
Acq: 03 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.9	68.9
119	31.4	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013428.D

Acq: 03 Oct 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

RBR-200028-RT-3425

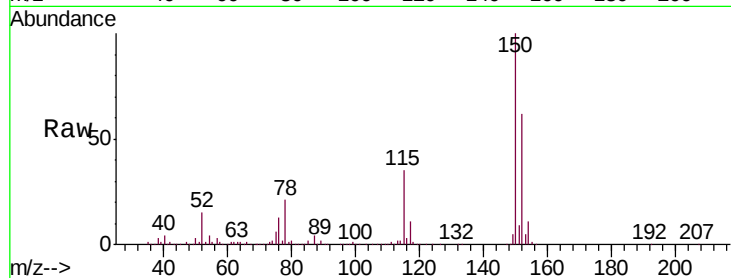
Tgt Ion:152 Resp: 184503

Ion Ratio Lower Upper

152 100

115 55.1 27.3 81.9

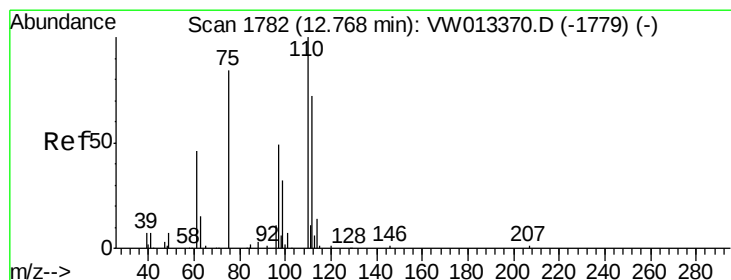
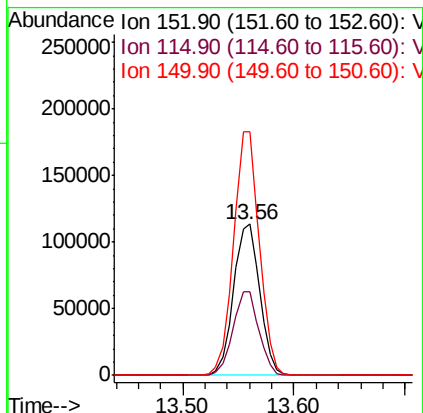
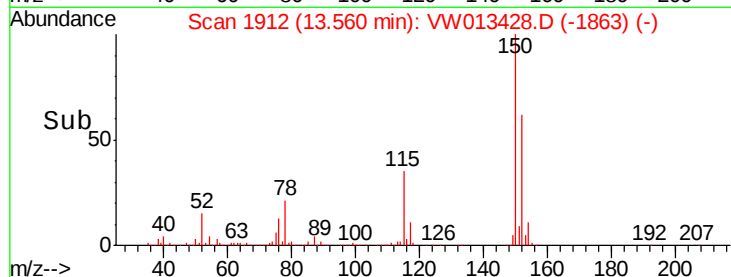
150 158.3 0.0 349.0



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: 52.696 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013428.D

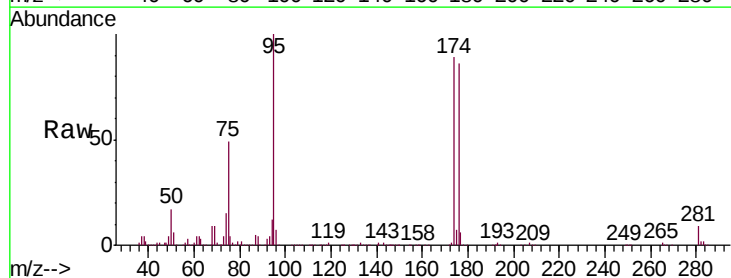
Acq: 03 Oct 2019 18:19

Tgt Ion: 75 Resp: 86412

Ion Ratio Lower Upper

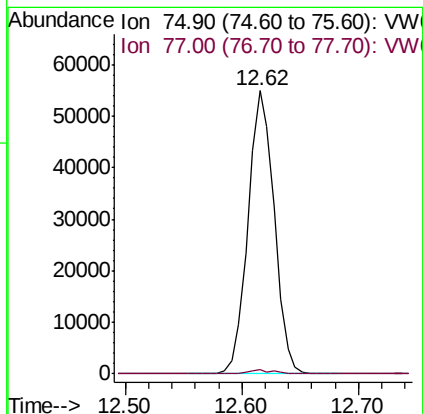
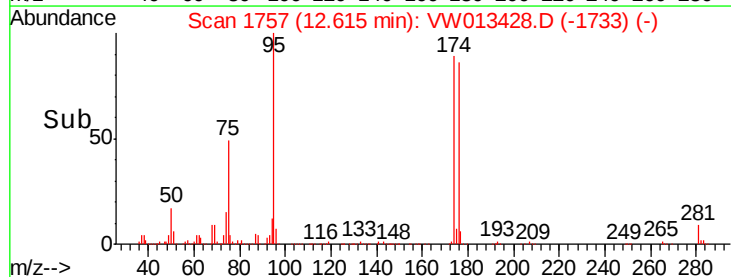
75 100

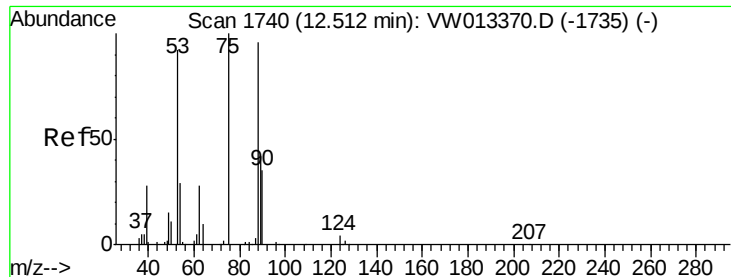
77 1.4 0.0 0.0#



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: 106.846 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013428.D

Acq: 03 Oct 2019 18:19

Instrument :

MSVOA_W

ClientSampleId :

RBR-200028-RT-3425

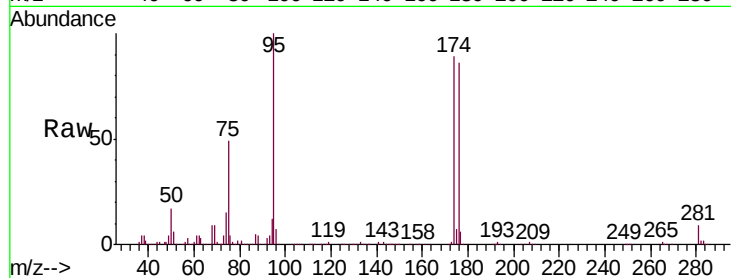
Tgt Ion: 75 Resp: 86412

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 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

