

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011020\
 Data File : VW014599.D
 Acq On : 10 Jan 2020 15:06
 Operator : SY/VA
 Sample : L1070-01RE
 Misc : 6.36G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200030RE

Quant Time: Jan 11 03:59:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	175290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	260859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	231754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	77378	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	93114	60.76	ug/l	0.00
Spiked Amount			Recovery	=	121.52%	
35) Dibromofluoromethane	7.88	113	93588	62.77	ug/l	0.00
Spiked Amount			Recovery	=	125.54%	
50) Toluene-d8	10.32	98	348839	56.07	ug/l	0.00
Spiked Amount			Recovery	=	112.14%	
62) 4-Bromofluorobenzene	12.62	95	96181	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	

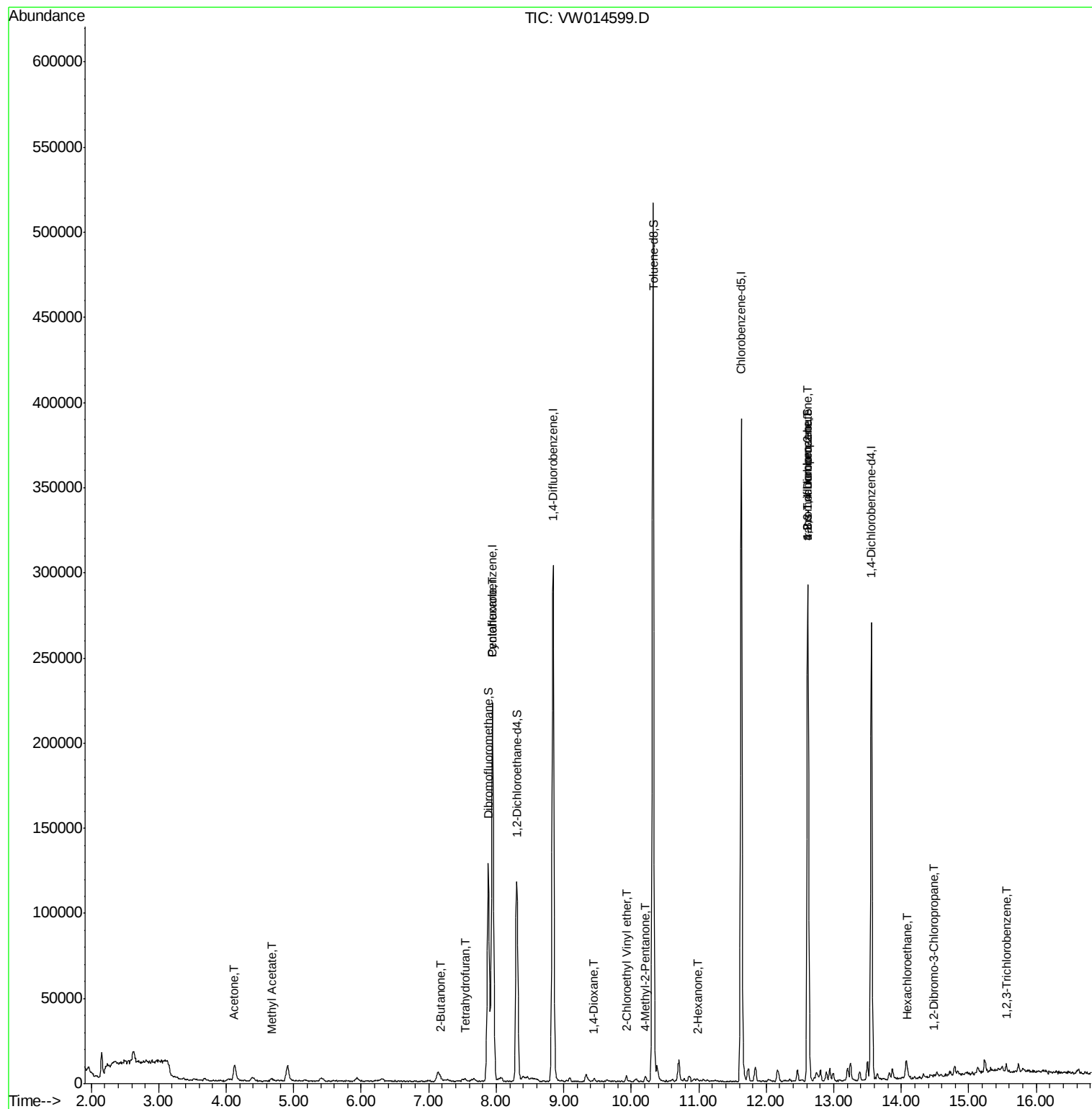
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	1029	Below Cal	#	73
16) Acetone	4.12	43	18150	41.941	ug/l	97
18) Methyl Acetate	4.68	43	1549	1.482	ug/l	91
20) Methylene Chloride	4.91	84	6505	Below Cal	#	92
25) 2-Butanone	7.18	43	1805	3.250	ug/l	94
29) Tetrahydrofuran	7.54	42	1131	3.287	ug/l #	53
31) Cyclohexane	7.95	56	4601	1.407	ug/l #	19
49) 1,4-Dioxane	9.44	88	132	8.188	ug/l #	23
51) 4-Methyl-2-Pentanone	10.21	43	2611	2.428	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.93	63	1452	2.918	ug/l	97
59) 2-Hexanone	10.98	43	1554	2.097	ug/l	81
76) 1,2,3-Trichloropropane	12.62	75	45526	62.228	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	45526	138.647	ug/l #	14
90) Hexachloroethane	14.09	117	987	1.073	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	14.48	75	187	1.152	ug/l #	23
96) 1,2,3-Trichlorobenzene	15.55	180	1359	1.024	ug/l #	74

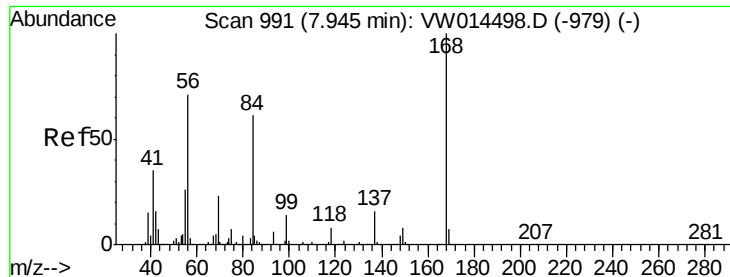
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 03 16:07:20 2020
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: VW014599.D

Acq: 10 Jan 2020 15:06

Instrument :

MSVOA_W

ClientSampleId :

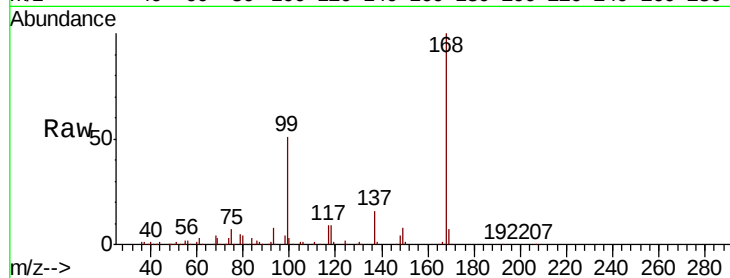
RBR-200030RE

Tot Ion:168 Resp: 175290

Ion Ratio Lower Upper

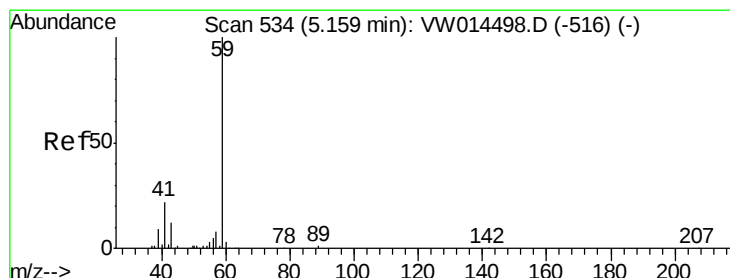
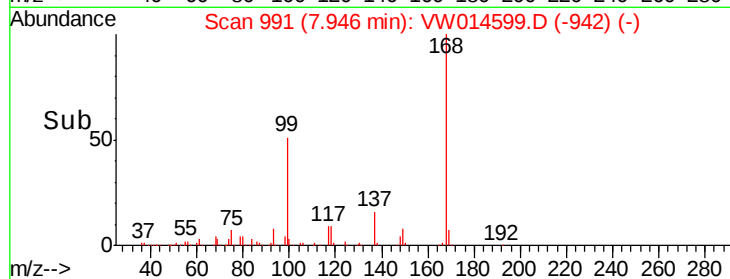
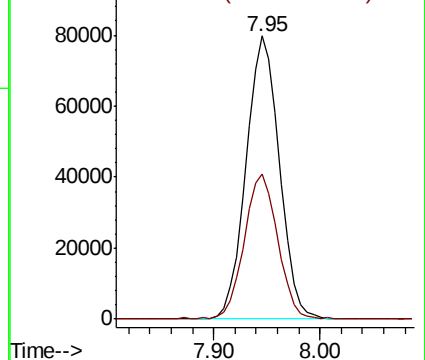
168 100

99 51.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014599.D

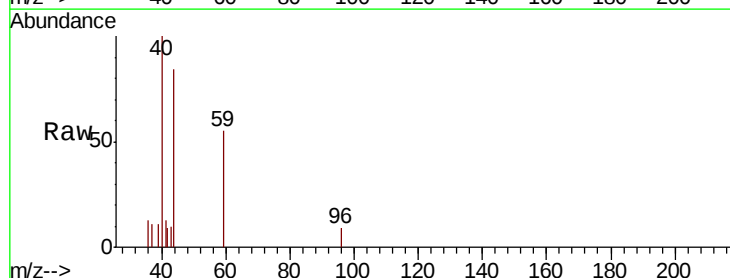
Acq: 10 Jan 2020 15:06

Tgt Ion: 59 Resp: 1029

Ion Ratio Lower Upper

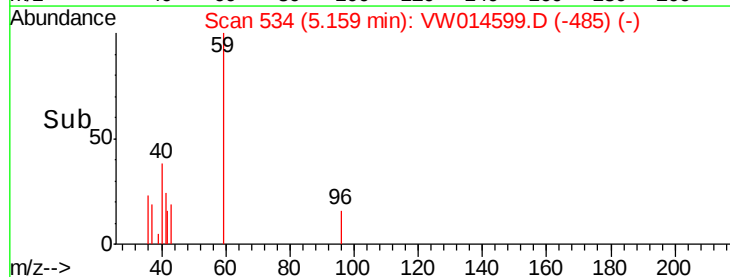
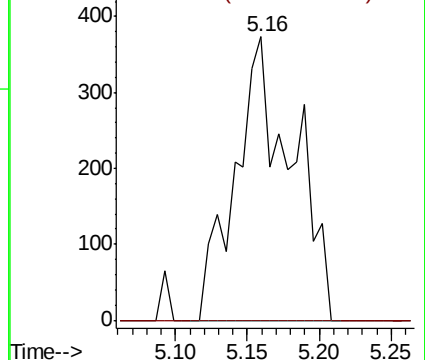
59 100

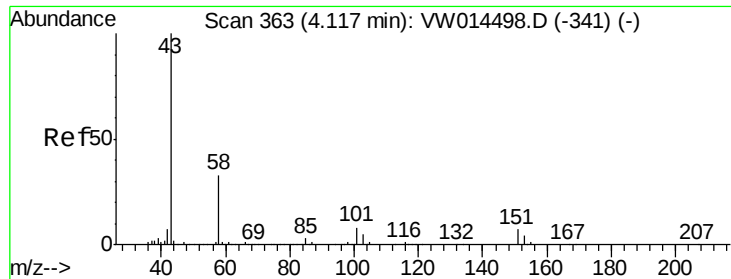
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 41.941 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014599.D

Acq: 10 Jan 2020 15:06

Instrument :

MSVOA_W

ClientSampleId :

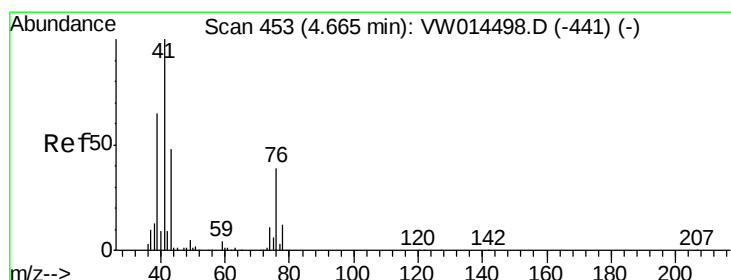
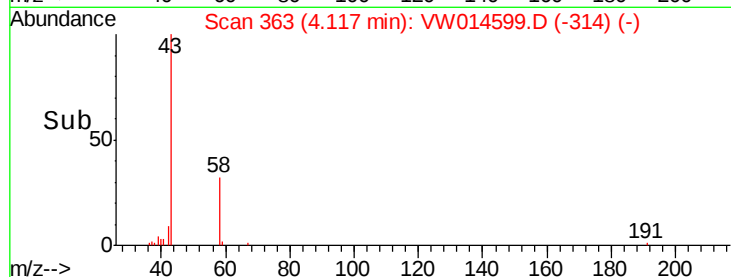
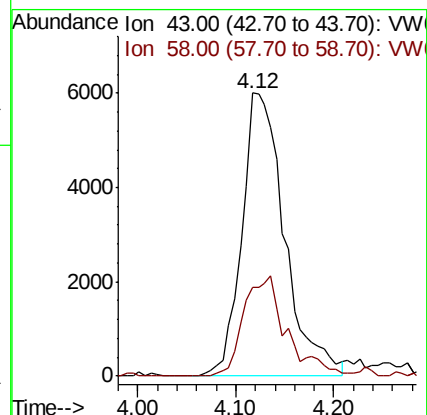
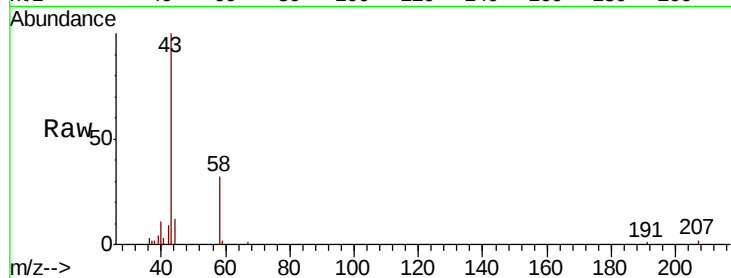
RBR-200030RE

Tot Ion: 43 Resp: 18150

Ion Ratio Lower Upper

43 100

58 31.6 26.6 39.8



#18

Methyl Acetate

Concen: 1.482 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW014599.D

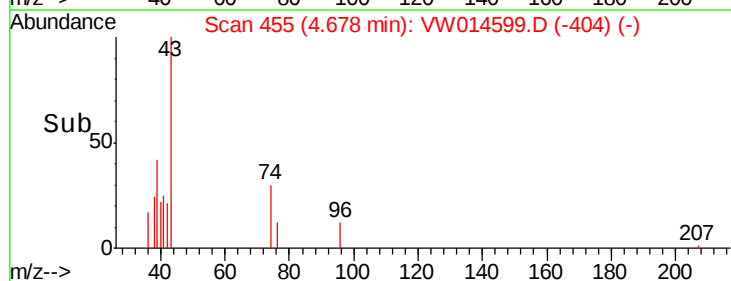
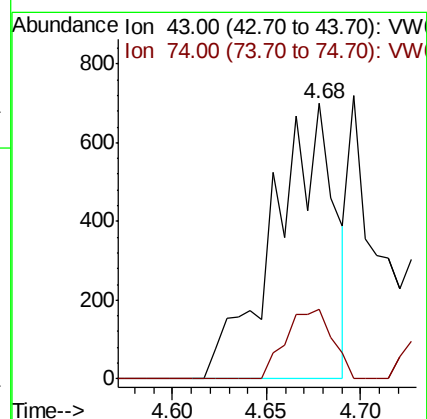
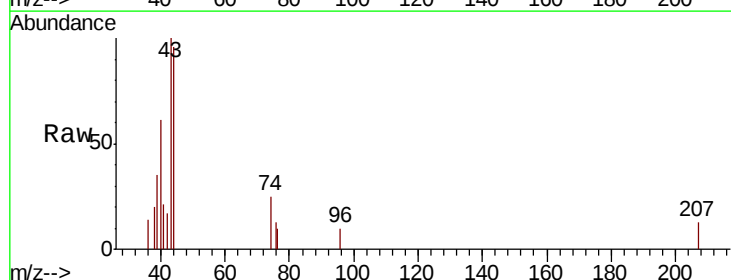
Acq: 10 Jan 2020 15:06

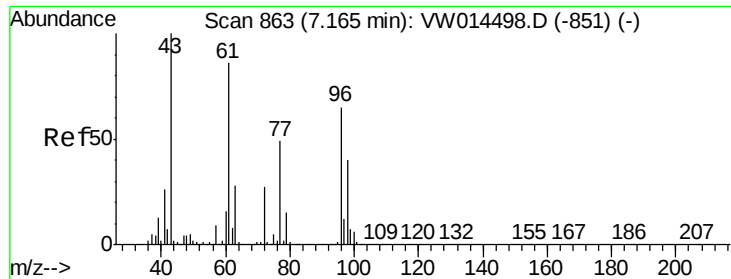
Tgt Ion: 43 Resp: 1549

Ion Ratio Lower Upper

43 100

74 19.6 19.3 28.9

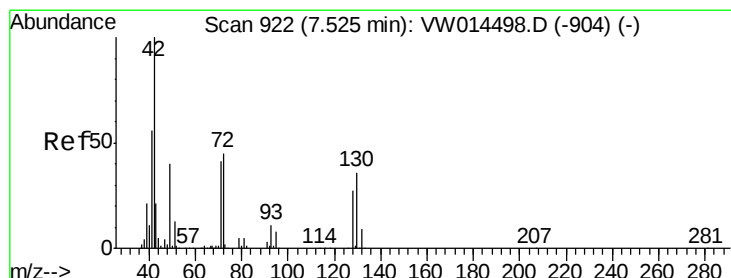
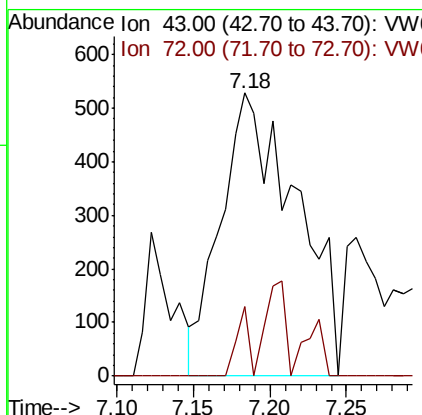
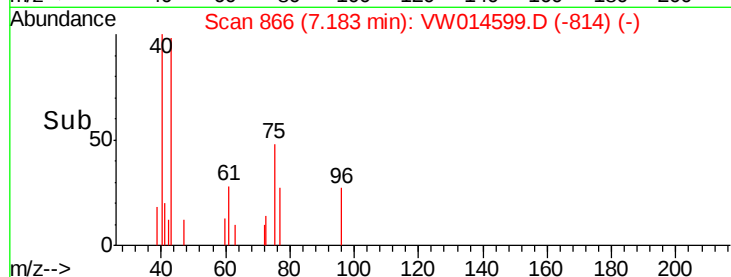
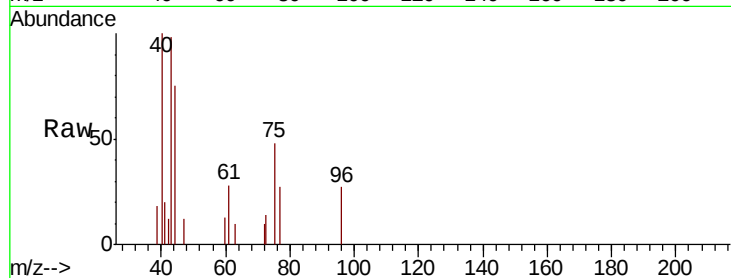




#25
2-Butanone
Concen: 3.250 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW014599.D
Acq: 10 Jan 2020 15:06

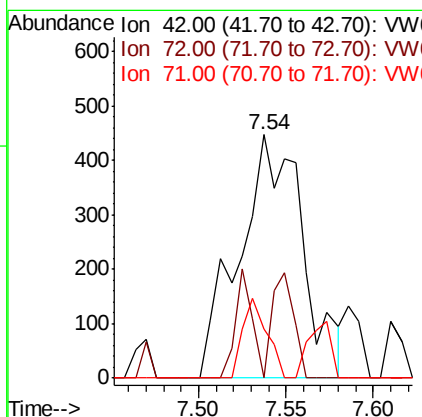
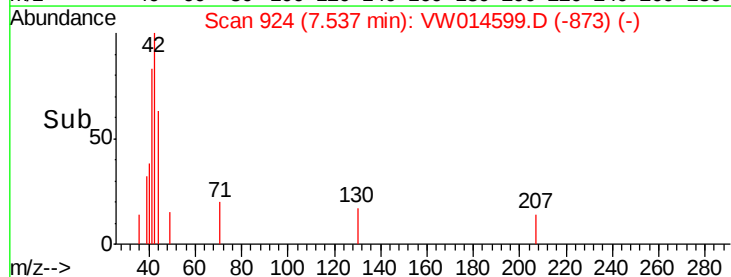
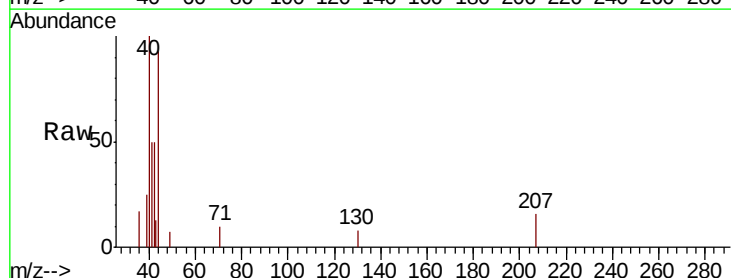
Instrument :
MSVOA_W
ClientSampled :
RBR-200030RE

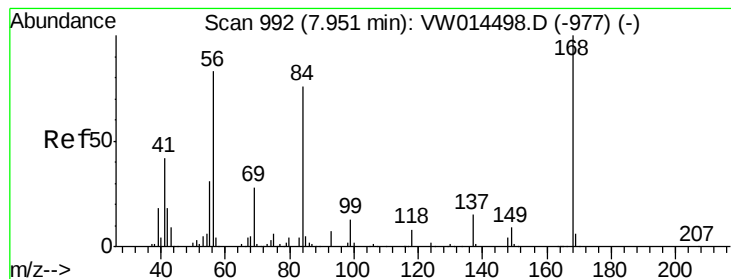
Tot Ion: 43 Resp: 1805
Ion Ratio Lower Upper
43 100
72 24.4 21.9 32.9



#29
Tetrahydrofuran
Concen: 3.287 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW014599.D
Acq: 10 Jan 2020 15:06

Tgt Ion: 42 Resp: 1131
Ion Ratio Lower Upper
42 100
72 11.8 34.5 51.7#
71 12.6 32.0 48.0#





#31

Cyclohexane

Concen: 1.407 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW014599.D

Acq: 10 Jan 2020 15:06

Instrument :

MSVOA_W

ClientSampled :

RBR-200030RE

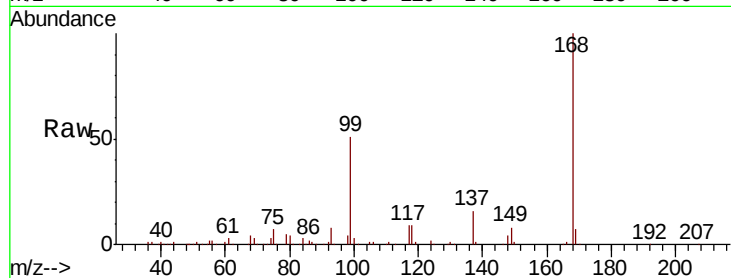
Tot Ion: 56 Resp: 4601

Ion Ratio Lower Upper

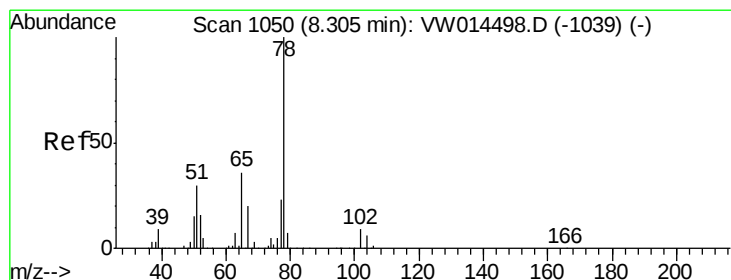
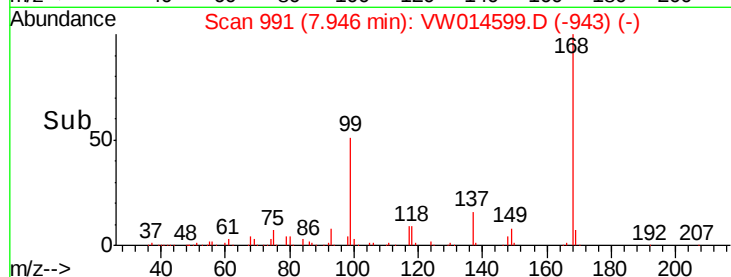
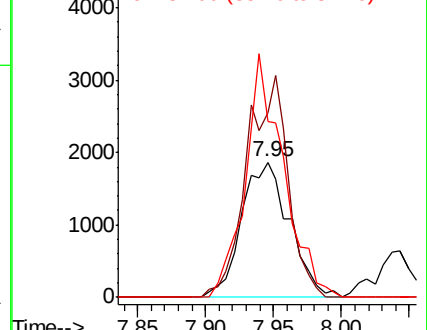
56 100

69 137.0 26.8 40.2#

84 129.9 71.8 107.6#



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: 60.756 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW014599.D

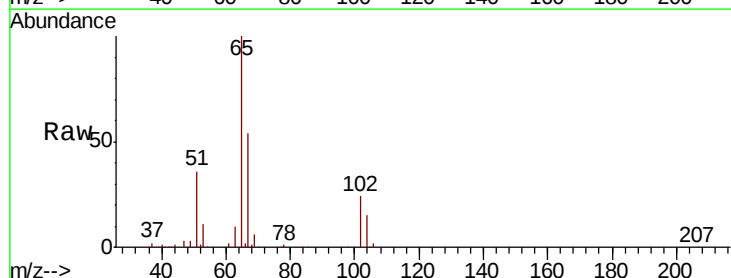
Acq: 10 Jan 2020 15:06

Tgt Ion: 65 Resp: 93114

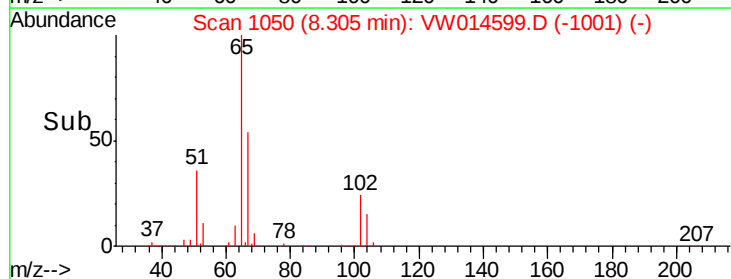
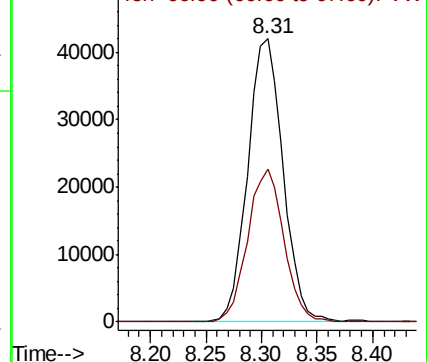
Ion Ratio Lower Upper

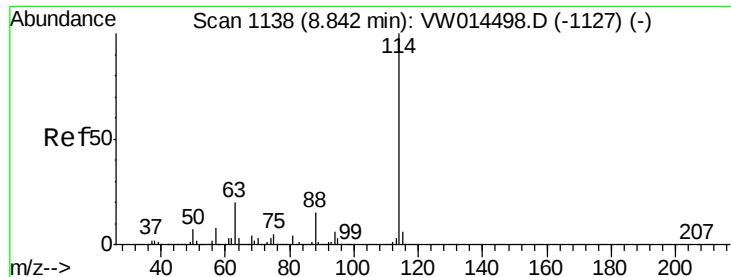
65 100

67 55.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

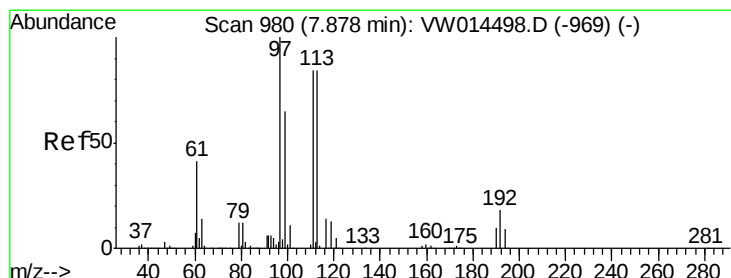
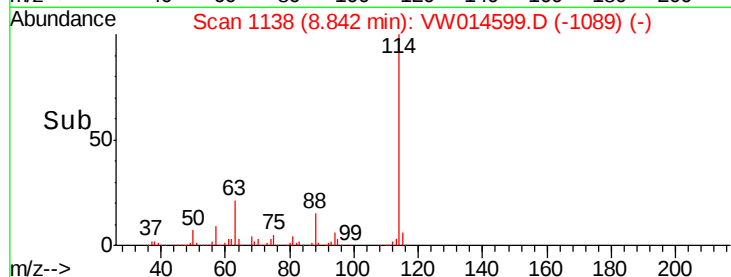
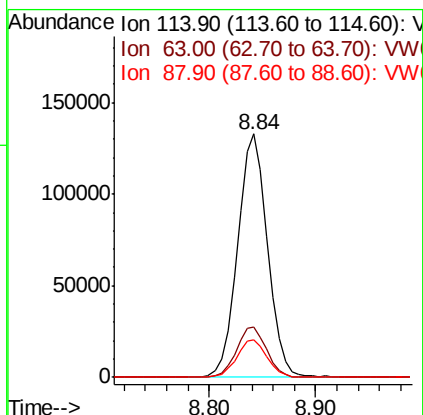
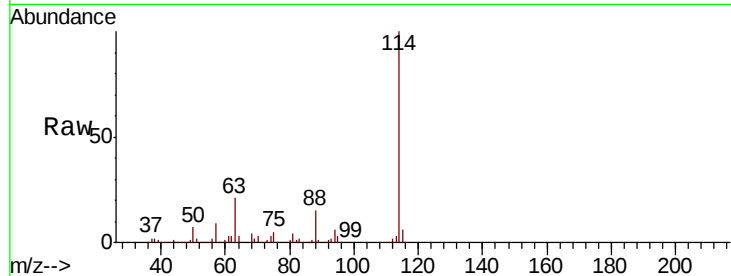




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW014599.D
Acq: 10 Jan 2020 15:06

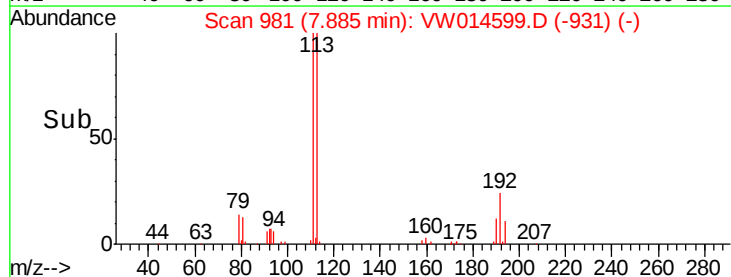
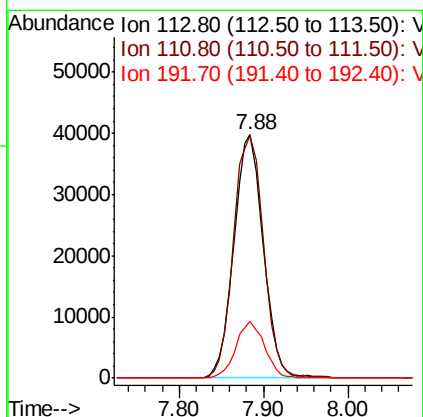
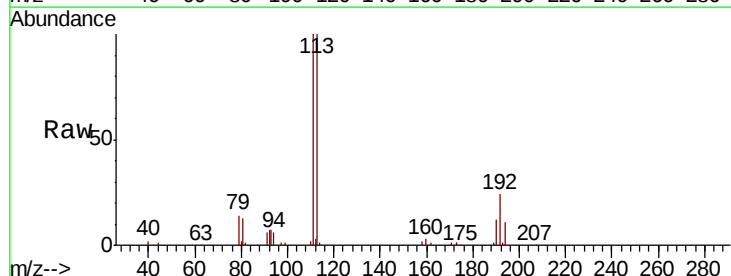
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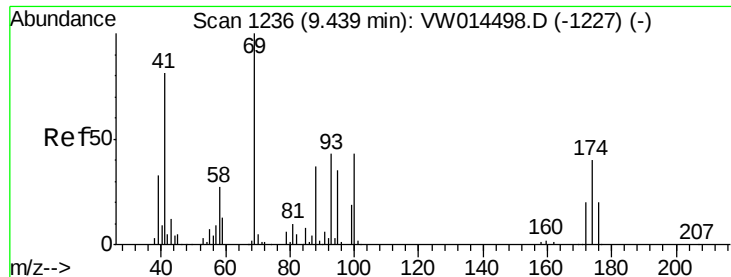
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.4
88	15.4	0.0	30.6



#35
Dibromofluoromethane
Concen: 62.775 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW014599.D
Acq: 10 Jan 2020 15:06

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.2
192	22.6	17.8	26.8

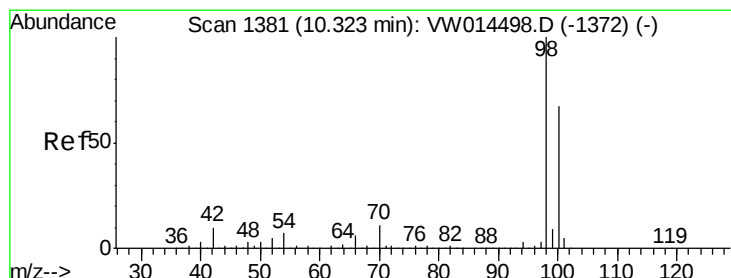
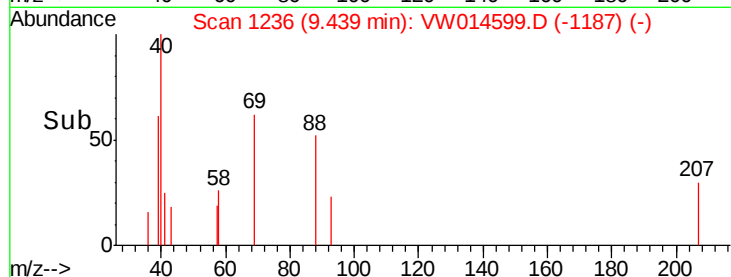
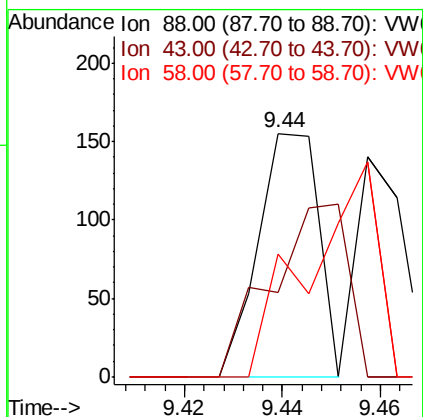
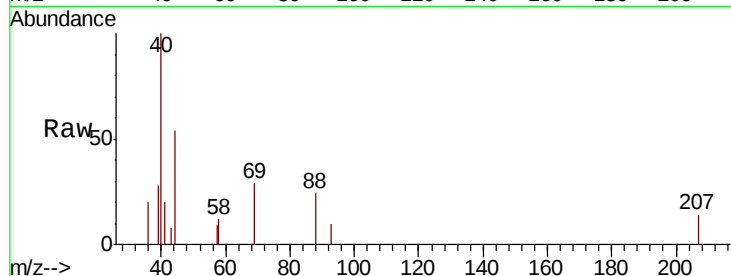




#49
1,4-Dioxane
Concen: 8.188 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW014599.D
Acq: 10 Jan 2020 15:06

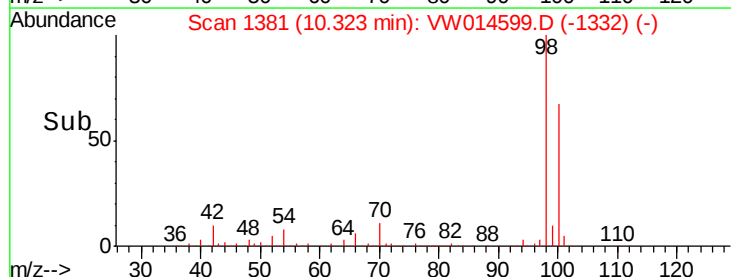
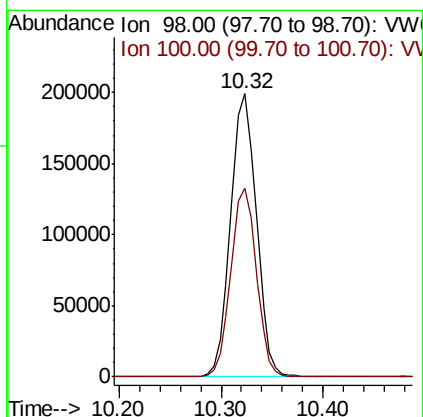
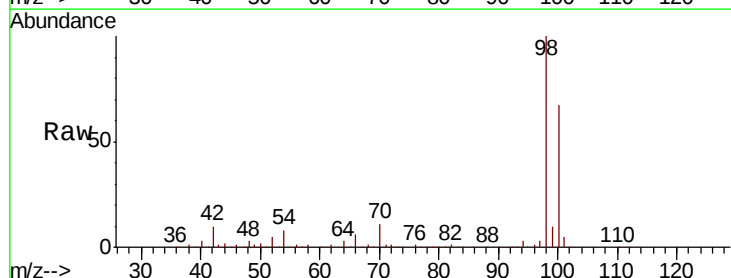
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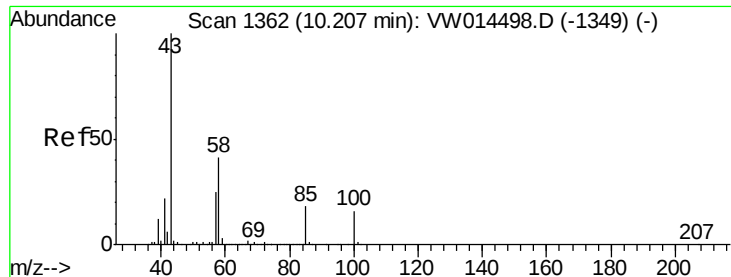
Tot Ion: 88 Resp: 132
Ion Ratio Lower Upper
88 100
43 0.0 24.9 37.3#
58 0.0 56.9 85.3#



#50
Toluene-d8
Concen: 56.068 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014599.D
Acq: 10 Jan 2020 15:06

Tgt Ion: 98 Resp: 348839
Ion Ratio Lower Upper
98 100
100 66.2 53.8 80.6

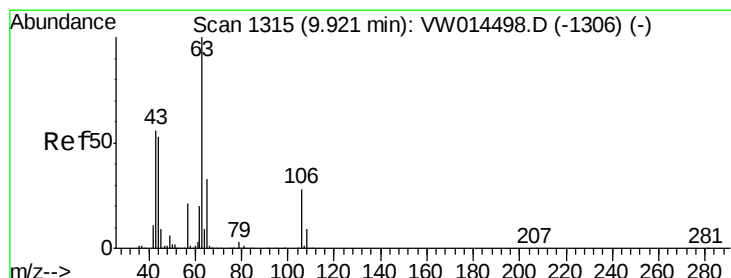
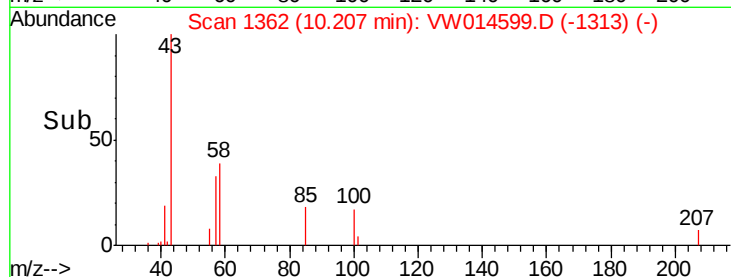
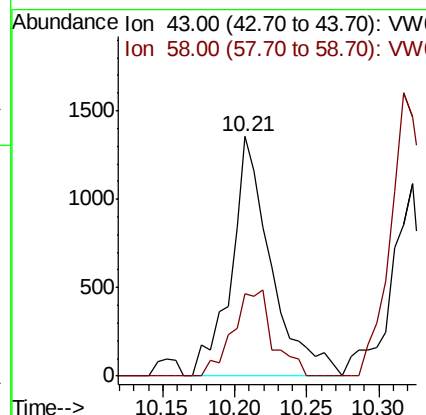
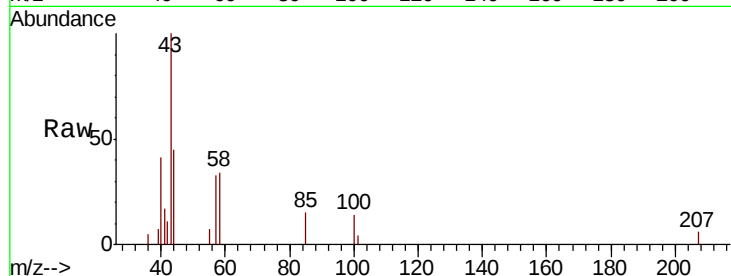




#51
 4-Methyl-2-Pentanone
 Concen: 2.428 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014599.D
 Acq: 10 Jan 2020 15:06

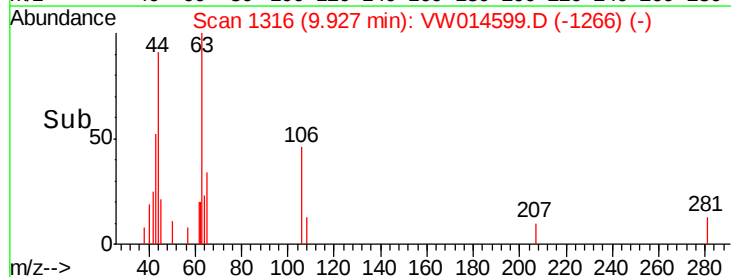
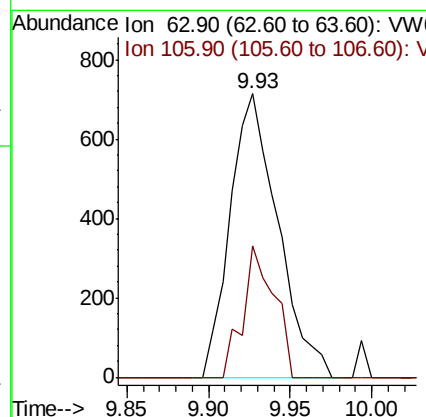
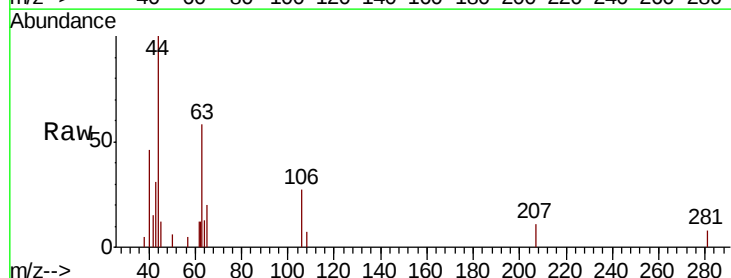
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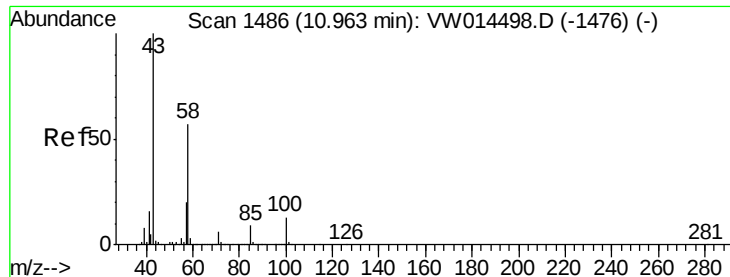
Tot Ion: 43 Resp: 2611
 Ion Ratio Lower Upper
 43 100
 58 36.0 32.7 49.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.918 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW014599.D
 Acq: 10 Jan 2020 15:06

Tgt Ion: 63 Resp: 1452
 Ion Ratio Lower Upper
 63 100
 106 30.4 23.0 34.6

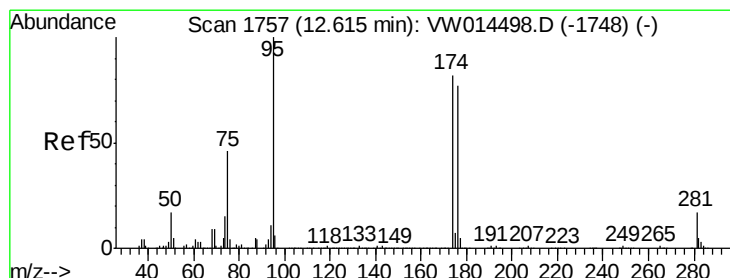
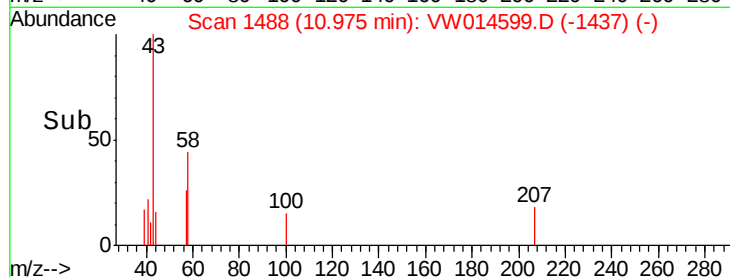
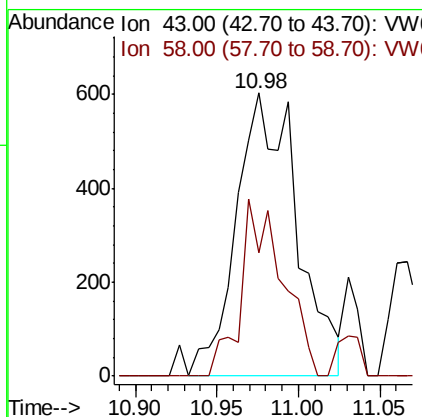
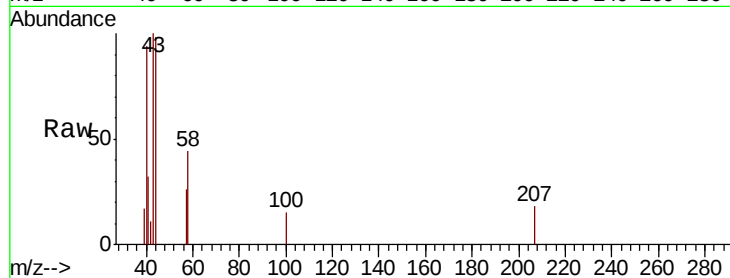




#59
2-Hexanone
Concen: 2.097 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW014599.D
Acq: 10 Jan 2020 15:06

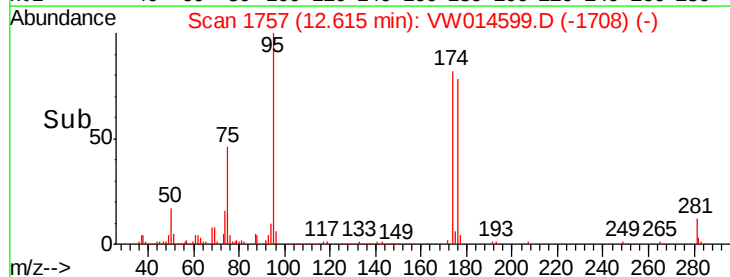
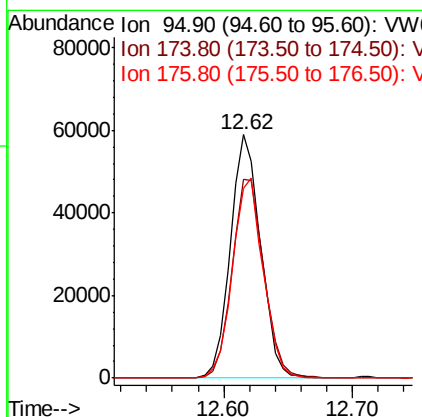
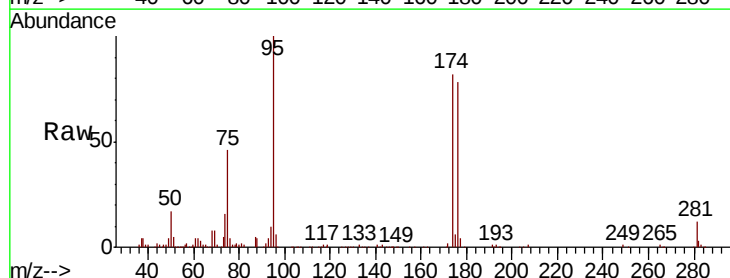
Instrument :
MSVOA_W
ClientSampleId :
RBR-200030RE

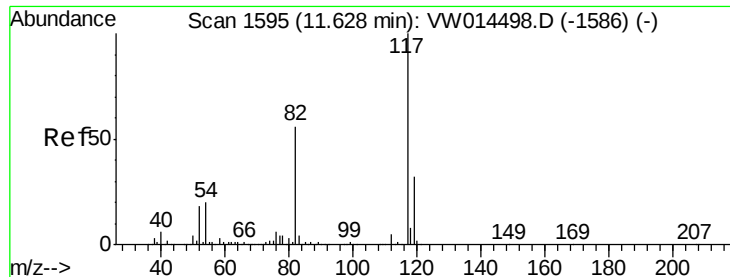
Tot Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
58 43.3 28.7 86.3



#62
4-Bromofluorobenzene
Concen: 45.576 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014599.D
Acq: 10 Jan 2020 15:06

Tgt Ion: 95 Resp: 96181
Ion Ratio Lower Upper
95 100
174 86.0 0.0 168.6
176 83.4 0.0 162.0

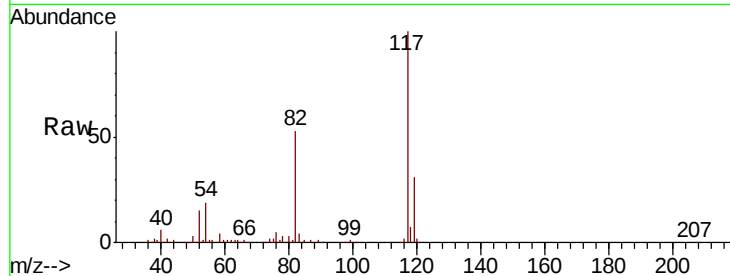




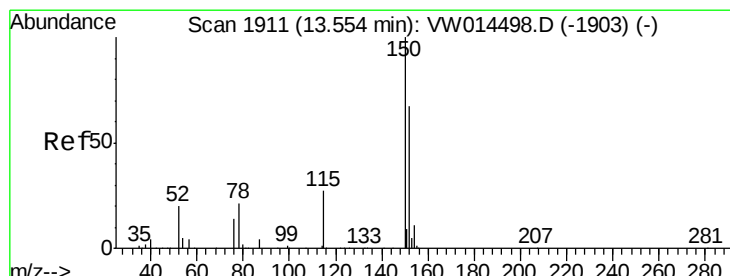
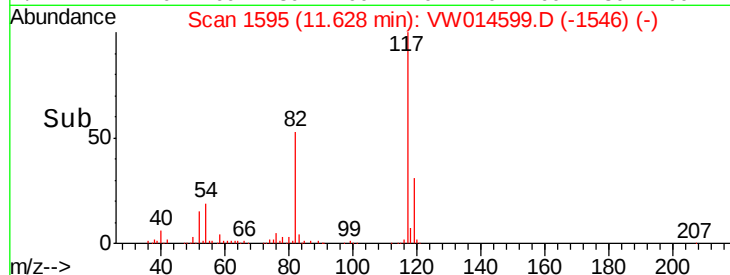
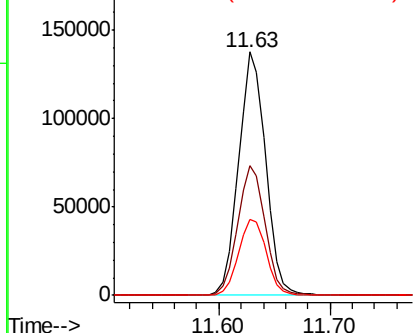
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014599.D
Acq: 10 Jan 2020 15:06

Instrument :
MSVOA_W
ClientSampleId :
RBR-200030RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	44.6	67.0
119	31.2	25.7	38.5

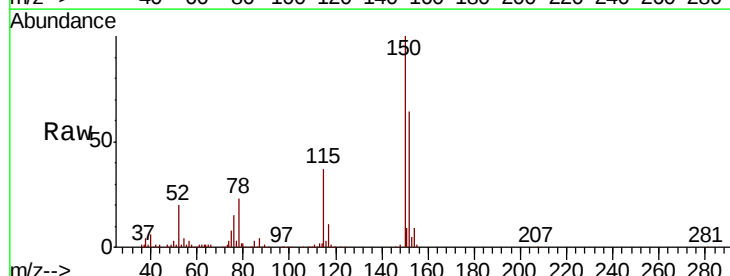


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

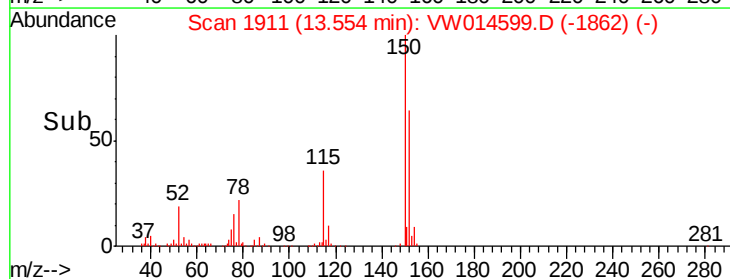
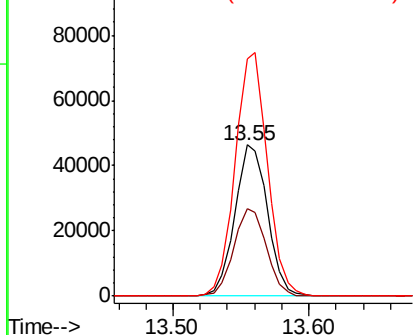


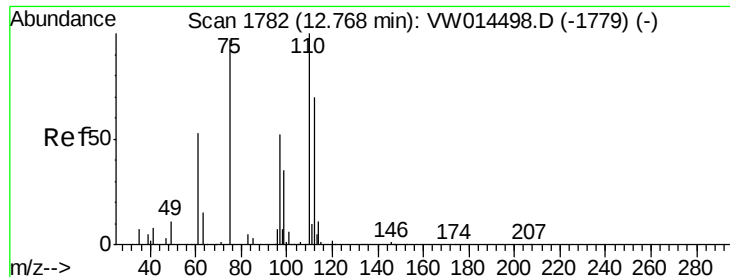
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014599.D
Acq: 10 Jan 2020 15:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	27.7	83.1
150	159.6	0.0	343.4



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: 62.228 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014599.D

Acq: 10 Jan 2020 15:06

Instrument :

MSVOA_W

ClientSampleId :

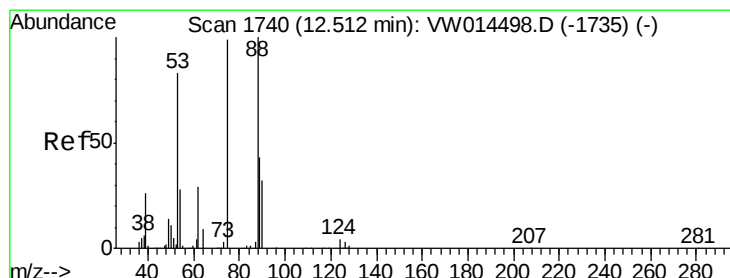
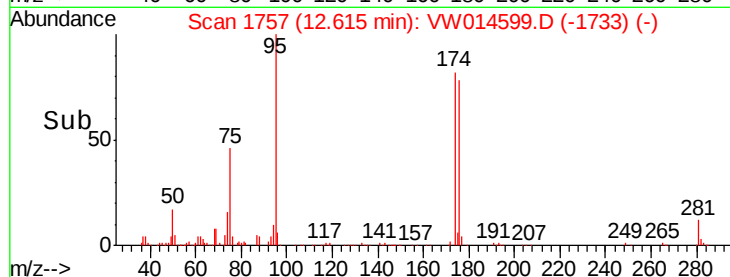
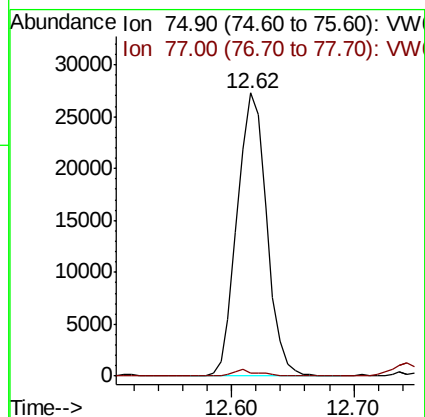
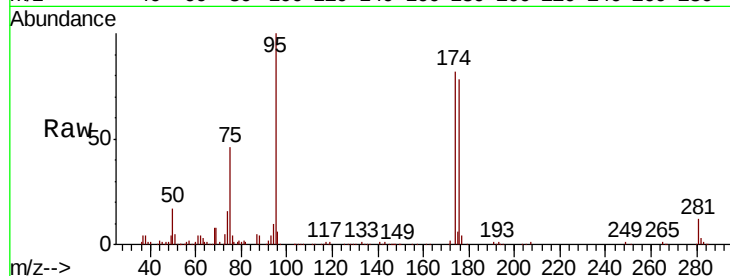
RBR-200030RE

Tot Ion: 75 Resp: 45526

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.647 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014599.D

Acq: 10 Jan 2020 15:06

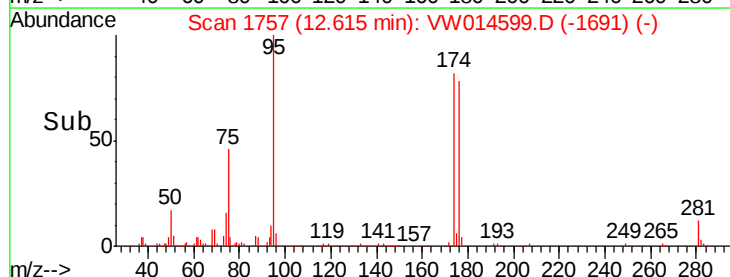
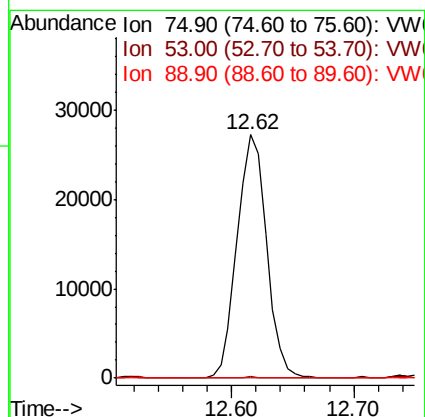
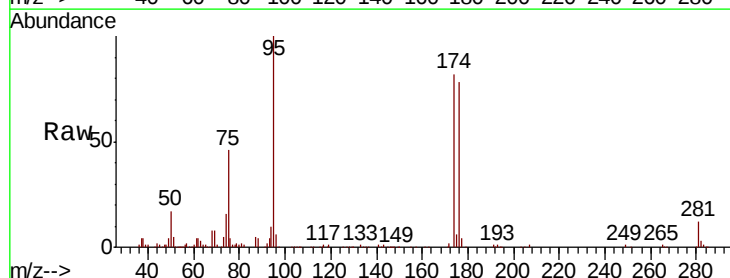
Tgt Ion: 75 Resp: 45526

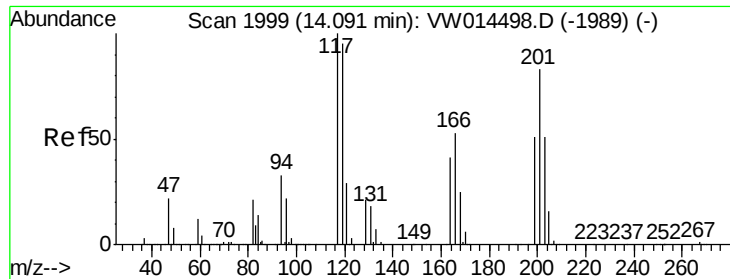
Ion Ratio Lower Upper

75 100

53 0.4 70.9 106.3#

89 0.0 35.8 53.8#





#90

Hexachloroethane

Concen: 1.073 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014599.D

Acq: 10 Jan 2020 15:06

Instrument :

MSVOA_W

ClientSampled :

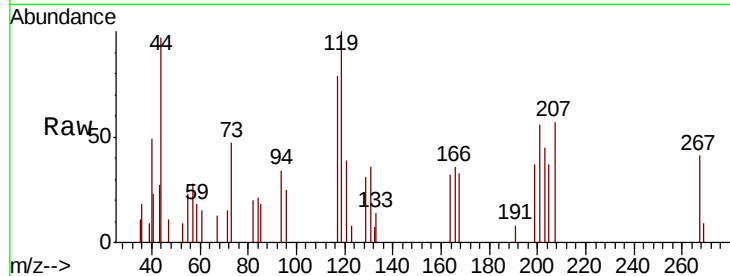
RBR-200030RE

Tot Ion: 117 Resp: 987

Ion Ratio Lower Upper

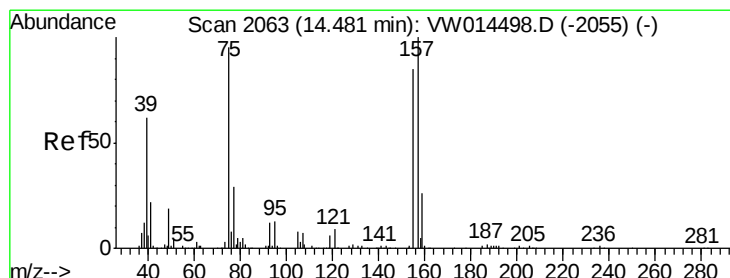
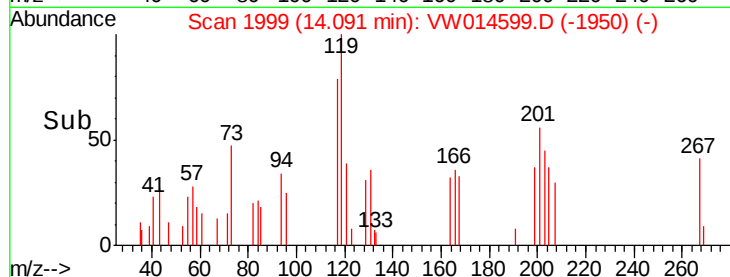
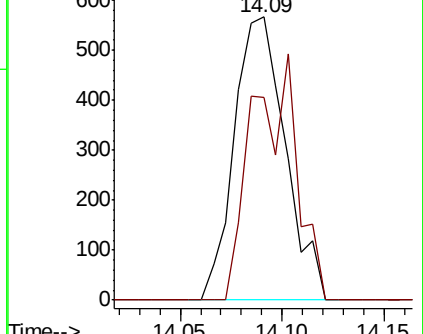
117 100

201 76.1 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.152 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014599.D

Acq: 10 Jan 2020 15:06

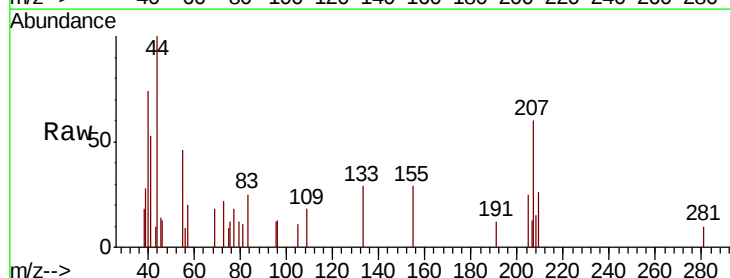
Tgt Ion: 75 Resp: 187

Ion Ratio Lower Upper

75 100

155 141.7 45.8 137.4#

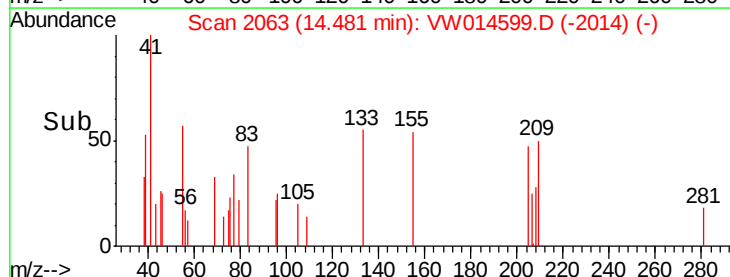
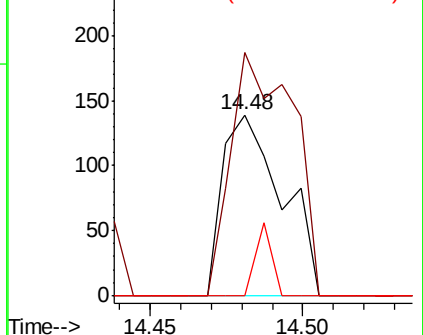
157 10.7 58.1 174.2#

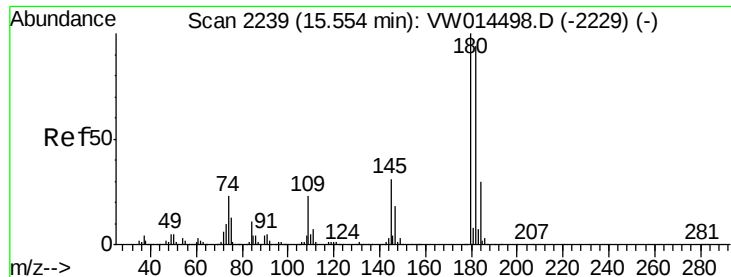


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.024 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW014599.D
 Acq: 10 Jan 2020 15:06

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200030RE

Tot Ion	Ratio	Lower	Upper
180	100		
182	70.2	47.4	142.2
145	14.7	15.5	46.5

