

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022820\
 Data File : VW015083.D
 Acq On : 28 Feb 2020 16:34
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 29 05:32:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 29 04:55:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	660034	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	602274	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	268164	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	315781	19.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.48%
7) Chloroethane-d5	2.89	69	244980	20.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.36%
10) 1,1-Dichloroethene-d2	4.02	63	566381	22.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.16%
20) 2-Butanone-d5	7.07	46	132266	47.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.86%
24) Chloroform-d	7.65	84	501732	23.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.56%
26) 1,2-Dichloroethane-d4	8.31	65	278173	22.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.72%
29) Benzene-d6	8.27	84	1002149	24.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.84%
33) 1,2-Dichloropropane-d6	9.27	67	322794	23.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.20%
37) Toluene-d8	10.32	98	865024	25.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.24%
38) trans-1,3-Dichloropropene-	10.57	79	118428	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.48%
39) 2-Hexanone-d5	10.92	63	95019	51.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	218960	24.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	226078	23.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	121672	21.604	ug/L 96
3) Chloromethane	2.21	50	254984	19.750	ug/L 97
5) Vinyl chloride	2.36	62	350483	20.982	ug/L 100
6) Bromomethane	2.78	94	162727	21.700	ug/L 96
8) Chloroethane	2.93	64	196056	21.571	ug/L 98
9) Trichlorofluoromethane	3.26	101	184202	24.469	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	251961	24.301	ug/L 99
12) 1,1-Dichloroethene	4.04	96	233039	23.608	ug/L 83
13) Acetone	4.12	43	164961	50.541	ug/L 99
14) Carbon disulfide	4.38	76	818803	22.166	ug/L 99
15) Methyl Acetate	4.67	43	124070	22.575	ug/L 99
16) Methylene chloride	4.91	84	267937	21.932	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	273127	22.859	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	239196	23.454	ug/L 94
19) 1,1-Dichloroethane	6.21	63	532881	23.427	ug/L 98
21) 2-Butanone	7.17	43	181060	47.174	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	246679	23.768	ug/L 94

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 QLast Update : Sat Feb 29 04:55:00 2020
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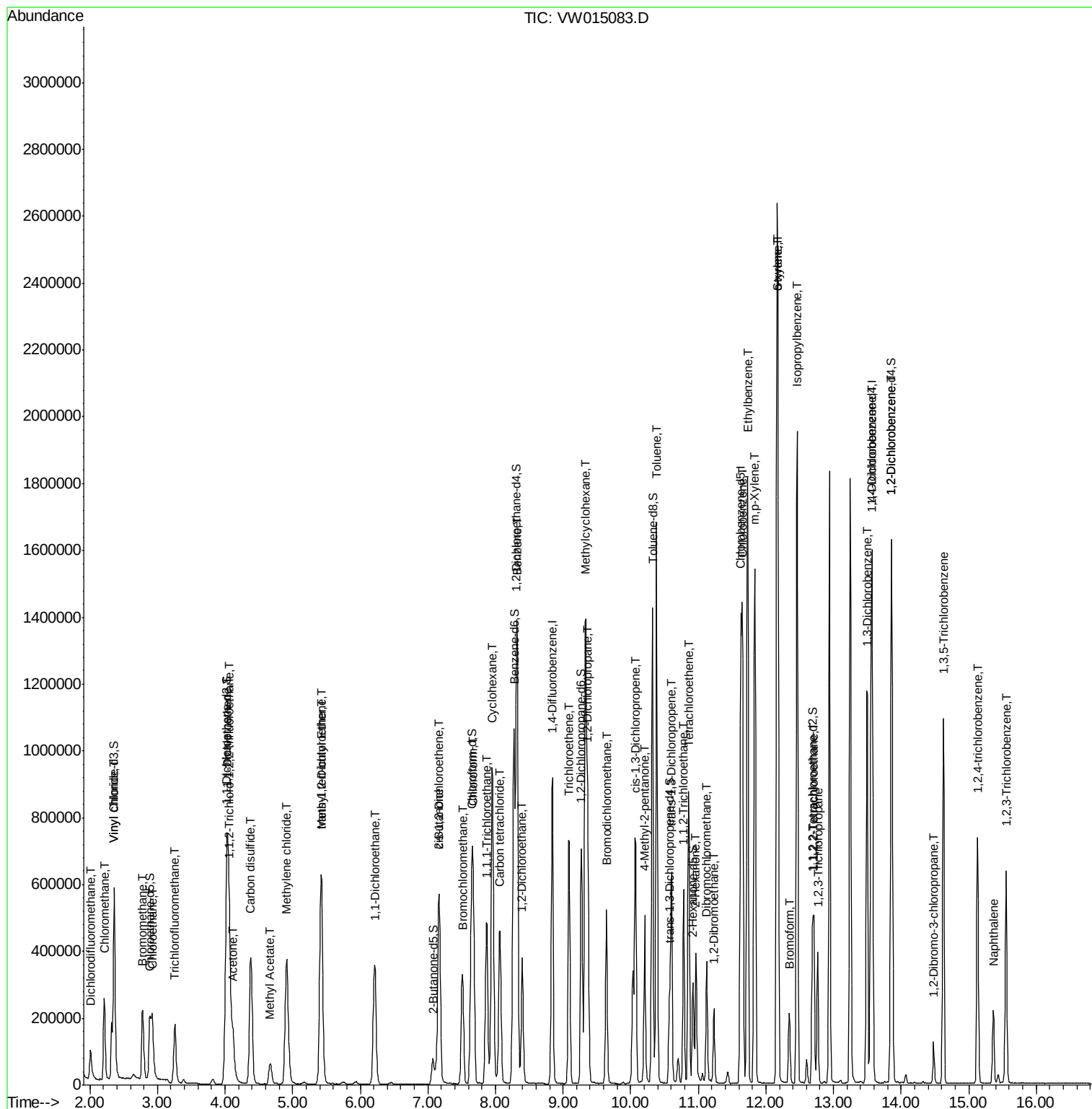
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	94155	23.320	ug/L	96
25) Chloroform	7.67	83	482652	23.382	ug/L	99
27) 1,2-Dichloroethane	8.40	62	331571	23.476	ug/L	99
30) Cyclohexane	7.95	56	506717	25.164	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	371048	23.888	ug/L	99
32) Carbon tetrachloride	8.06	117	329570	23.678	ug/L	99
34) Benzene	8.32	78	1126972	25.155	ug/L	100
35) Trichloroethene	9.09	95	261206	24.102	ug/L	99
36) Methylcyclohexane	9.34	83	481755	25.887	ug/L	99
40) 1,2-Dichloropropane	9.37	63	305437	24.547	ug/L	100
41) Bromodichloromethane	9.64	83	331427	23.745	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	397916	24.541	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	342857	49.264	ug/L	99
44) Toluene	10.38	91	1135554	26.098	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	322318	24.595	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	169685	24.233	ug/L	98
47) Tetrachloroethene	10.86	164	166783	23.878	ug/L	97
49) 2-Hexanone	10.96	43	273627	54.231	ug/L	97
50) Dibromochloromethane	11.13	129	175575	23.561	ug/L	99
51) 1,2-Dibromoethane	11.23	107	147899	24.236	ug/L	99
52) Chlorobenzene	11.65	112	616521	24.090	ug/L	98
53) Ethylbenzene	11.73	91	1225712	25.787	ug/L	98
54) m,p-Xylene	11.83	106	437409	26.302	ug/L	100
55) o-xylene	12.16	106	399744	25.798	ug/L	100
56) Styrene	12.18	104	703501	26.507	ug/L	98
57) Isopropylbenzene	12.46	105	1102007	26.114	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	212550	24.058	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	158965	23.410	ug/L	99
62) Bromoform	12.35	173	83987	22.282	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	415793	23.767	ug/L	100
64) 1,4-Dichlorobenzene	13.57	146	420335	23.336	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	374743	23.652	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	32074	22.930	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	268771	22.911	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	194713	22.710	ug/L	98
69) Naphthalene	15.36	128	169973	22.331	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	181020	23.523	ug/L	99

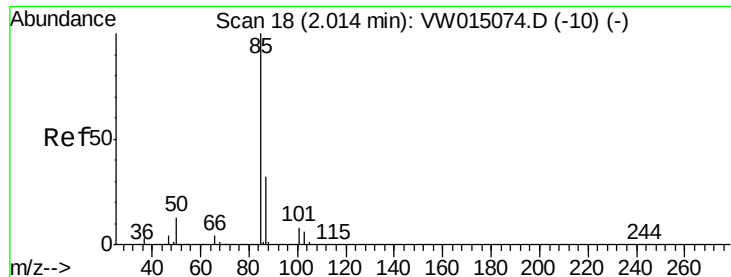
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.604 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

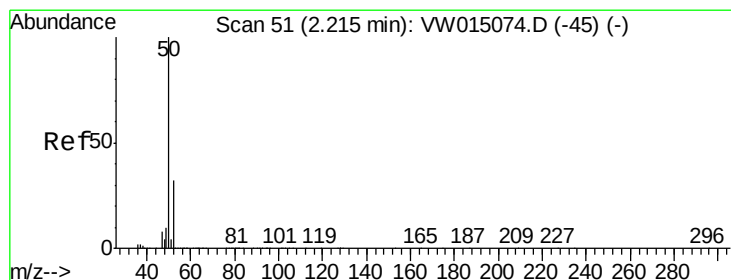
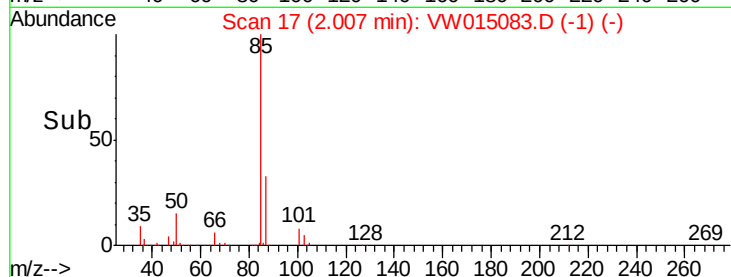
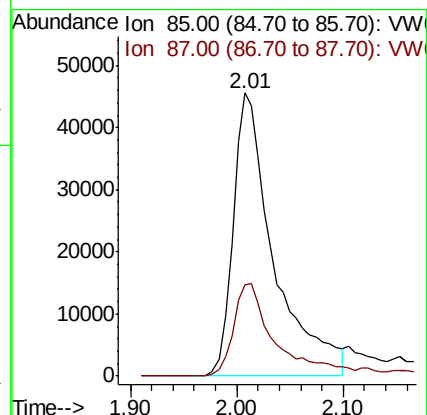
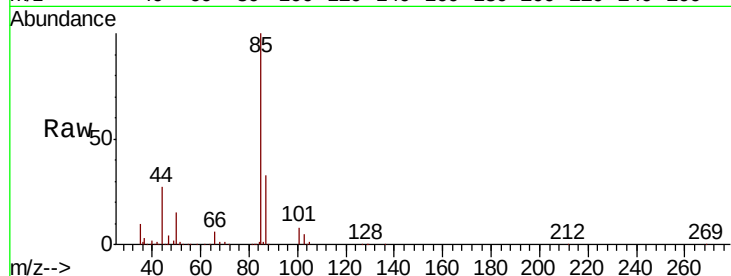
ClientSampled :

Tot Ion: 85 Resp: 121672

Ion Ratio Lower Upper

85 100

87 33.6 22.0 41.0



#3

Chloromethane

Concen: 19.750 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015083.D

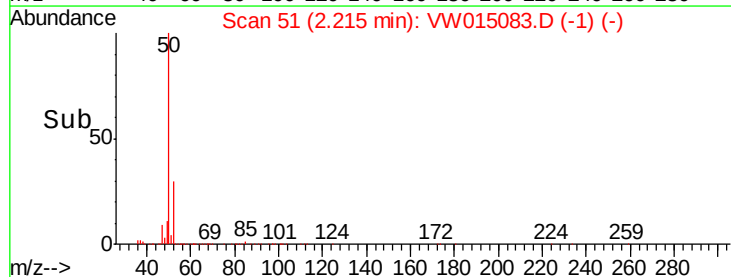
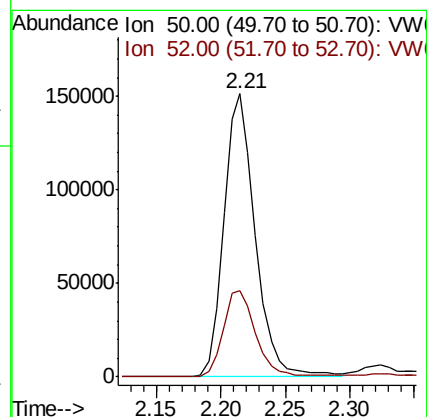
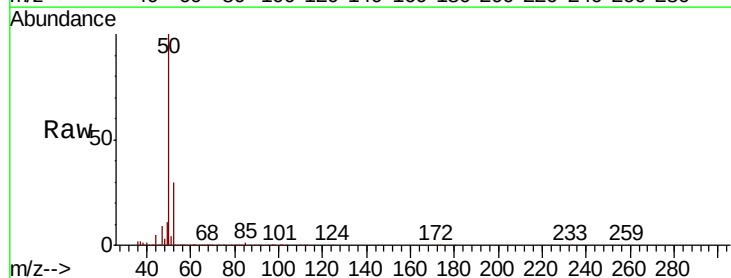
Acq: 28 Feb 2020 16:34

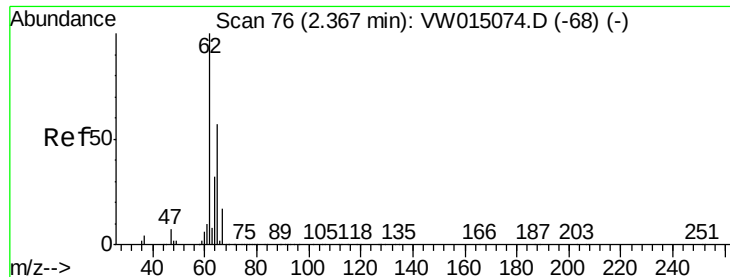
Tgt Ion: 50 Resp: 254984

Ion Ratio Lower Upper

50 100

52 30.5 22.3 41.5





#5

Vinyl chloride

Concen: 20.982 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

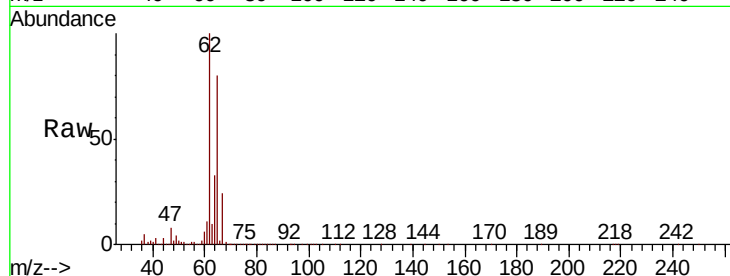
ClientSampleId :

Tot Ion: 62 Resp: 350483

Ion Ratio Lower Upper

62 100

64 33.0 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.36

200000

150000

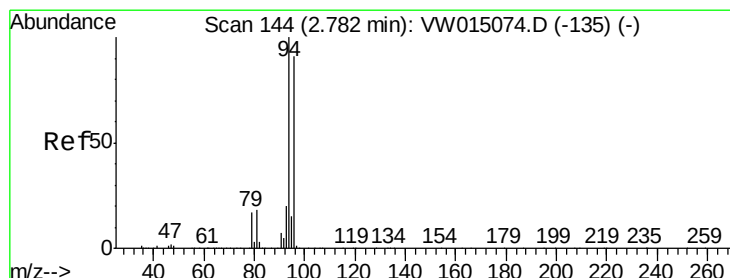
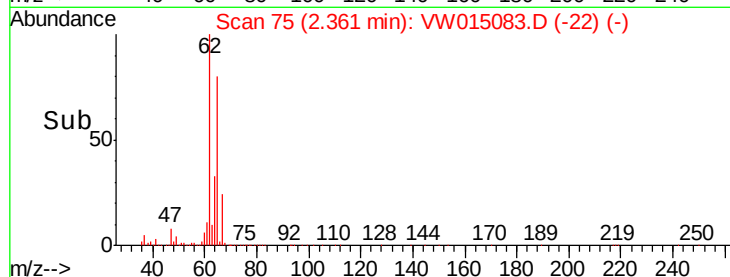
100000

50000

0

2.30 2.35 2.40 2.45 2.50

Time-->



#6

Bromomethane

Concen: 21.700 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015083.D

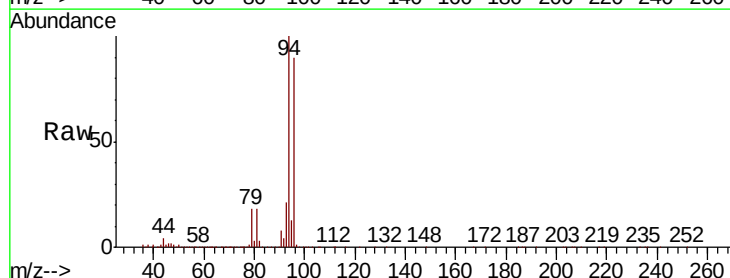
Acq: 28 Feb 2020 16:34

Tgt Ion: 94 Resp: 162727

Ion Ratio Lower Upper

94 100

96 91.0 9.5 179.7



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.78

80000

60000

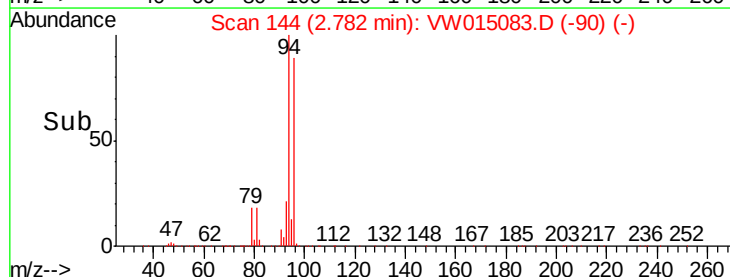
40000

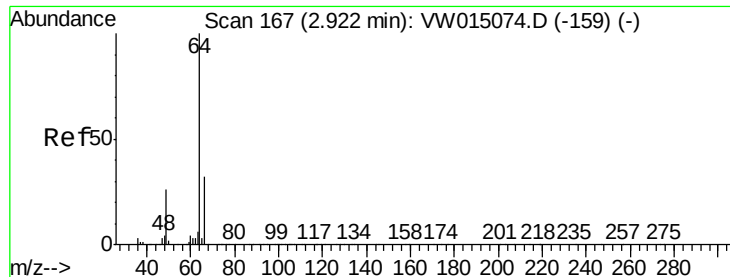
20000

0

2.70 2.80 2.90

Time-->





#8

Chloroethane

Concen: 21.571 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

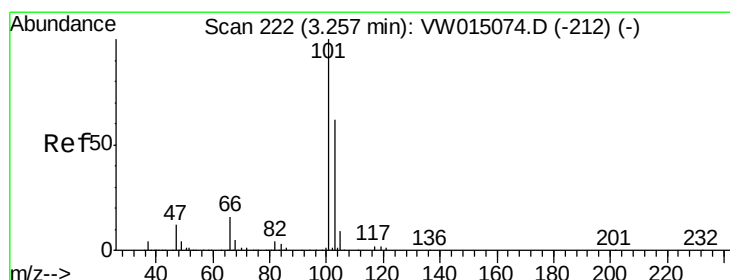
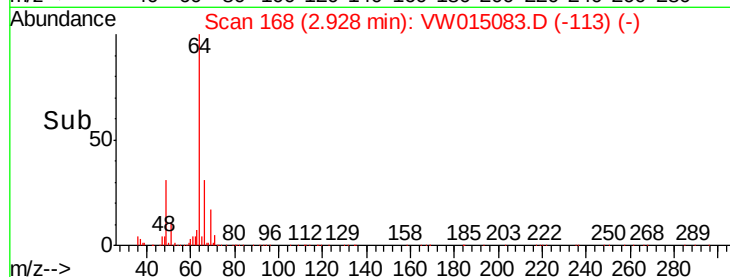
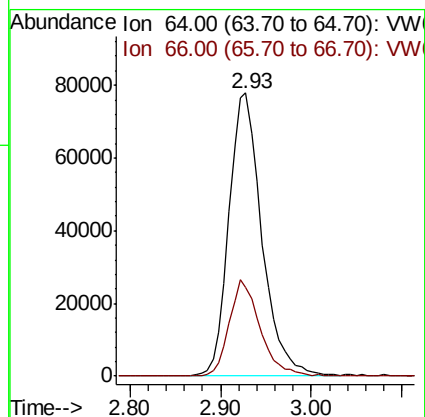
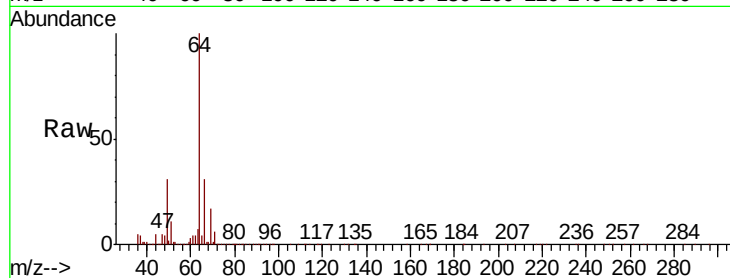
ClientSampleId :

Tot Ion: 64 Resp: 196056

Ion Ratio Lower Upper

64 100

66 31.3 21.2 39.4



#9

Trichlorofluoromethane

Concen: 24.469 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW015083.D

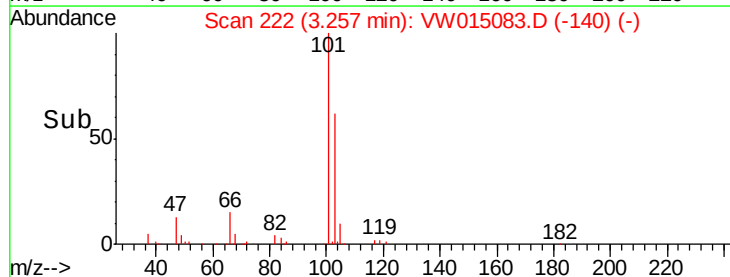
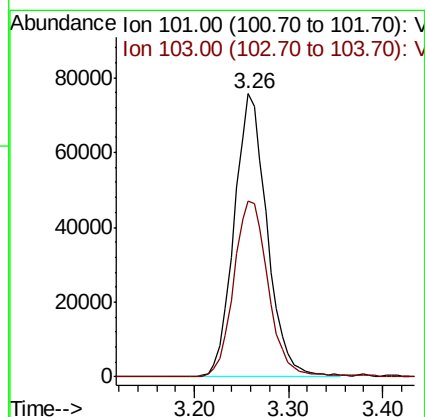
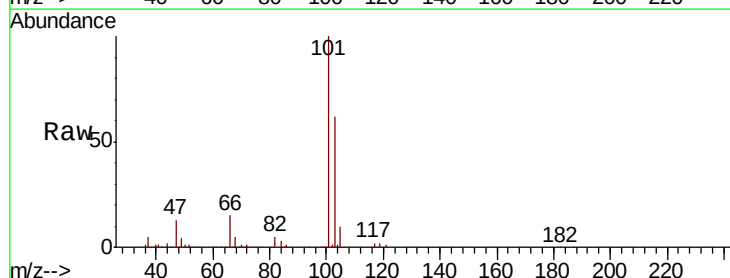
Acq: 28 Feb 2020 16:34

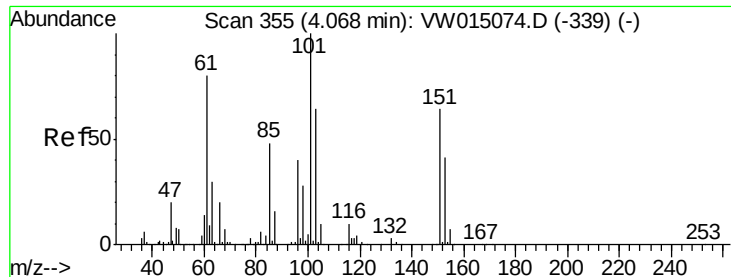
Tgt Ion: 101 Resp: 184202

Ion Ratio Lower Upper

101 100

103 65.0 44.9 83.5





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 24.301 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

ClientSampled :

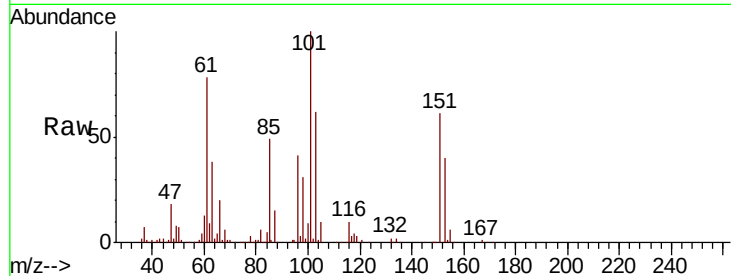
Tot Ion:101 Resp: 251961

Ion Ratio Lower Upper

101 100

85 47.3 37.8 56.8

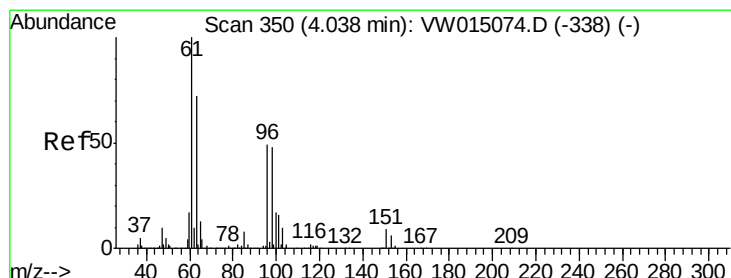
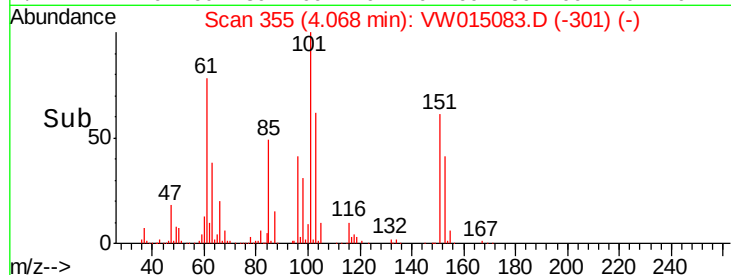
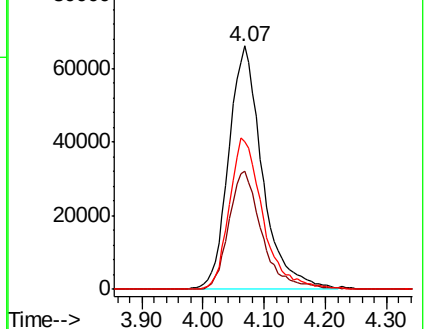
151 61.2 50.3 75.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.608 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

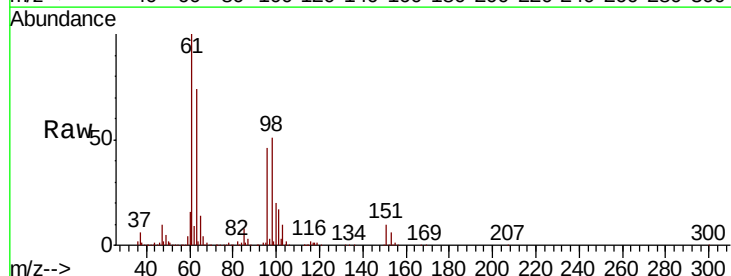
Tgt Ion: 96 Resp: 233039

Ion Ratio Lower Upper

96 100

61 217.5 138.5 257.1

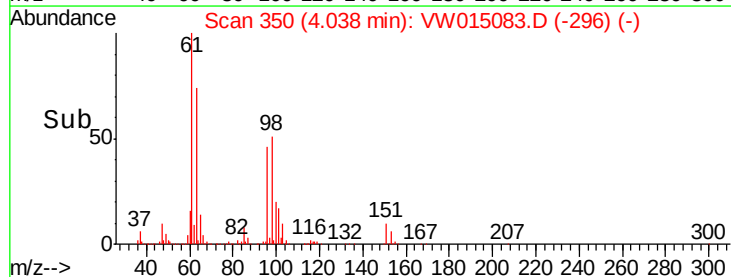
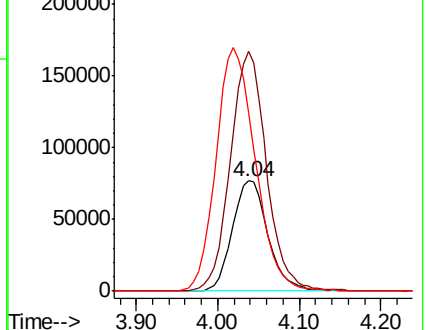
63 161.2 93.4 173.6

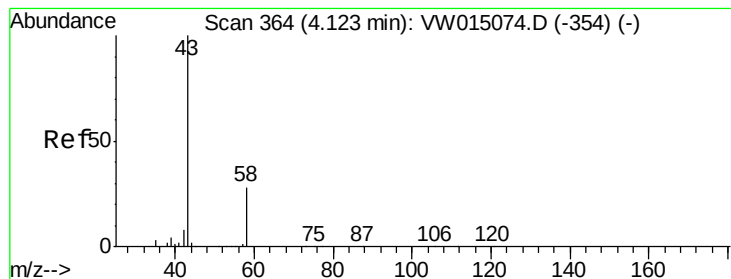


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 50.541 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

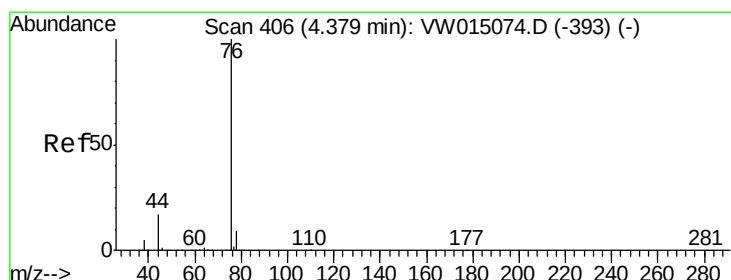
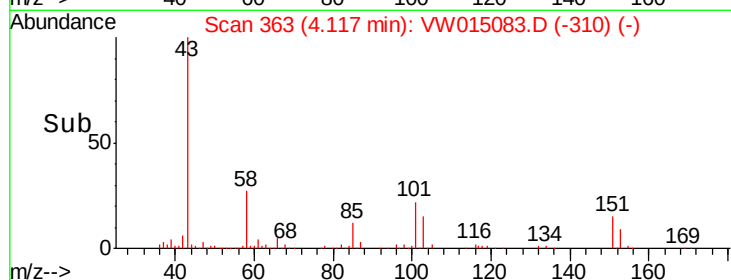
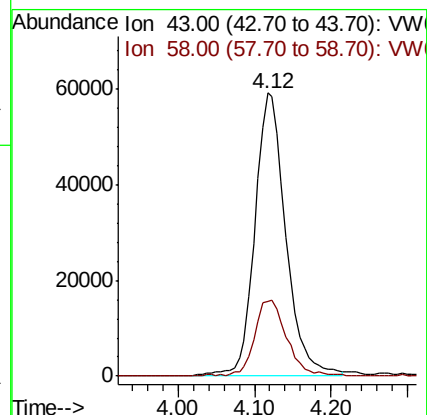
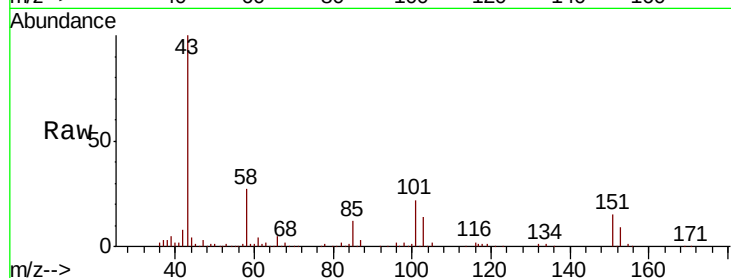
ClientSampleId :

Tot Ion: 43 Resp: 164961

Ion Ratio Lower Upper

43 100

58 26.7 0.0 54.0



#14

Carbon disulfide

Concen: 22.166 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015083.D

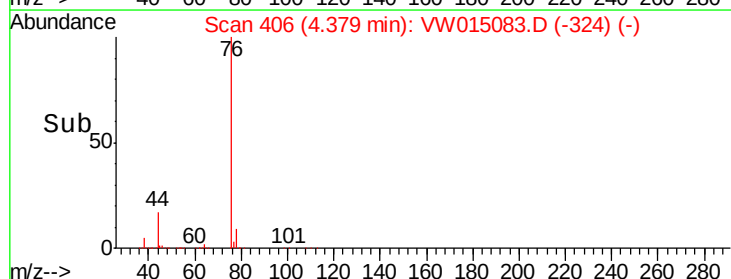
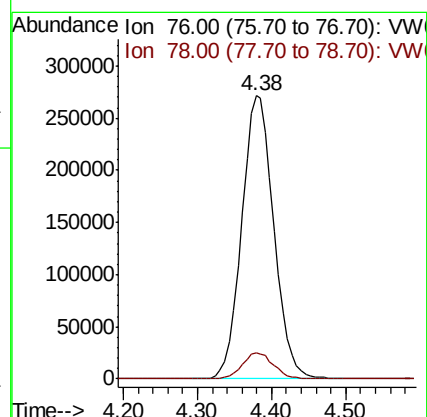
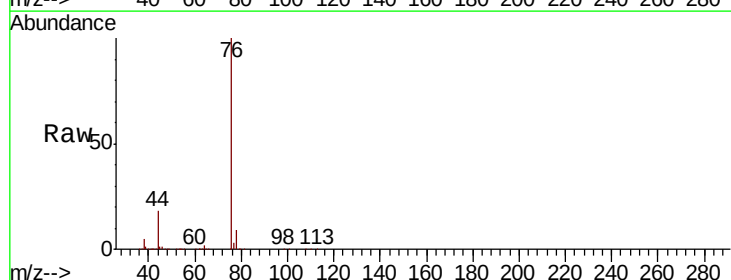
Acq: 28 Feb 2020 16:34

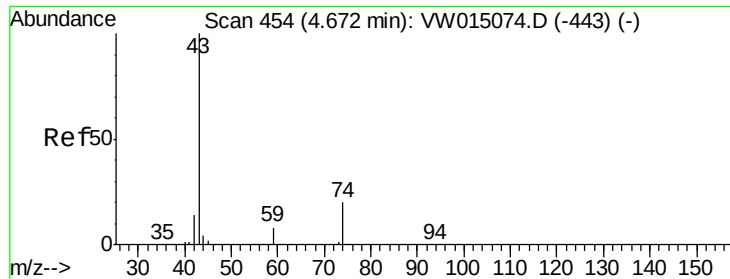
Tgt Ion: 76 Resp: 818803

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

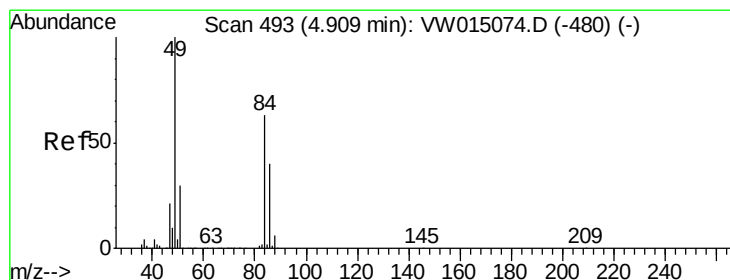
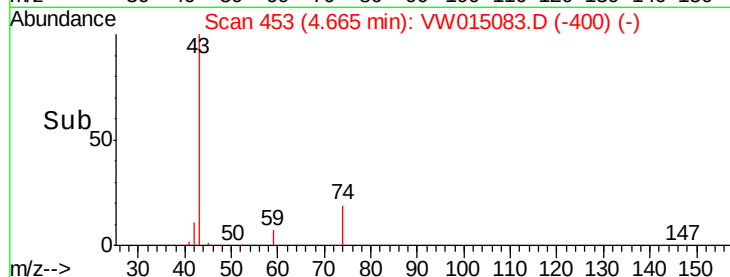
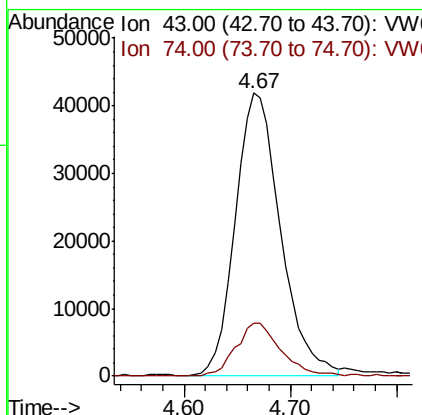
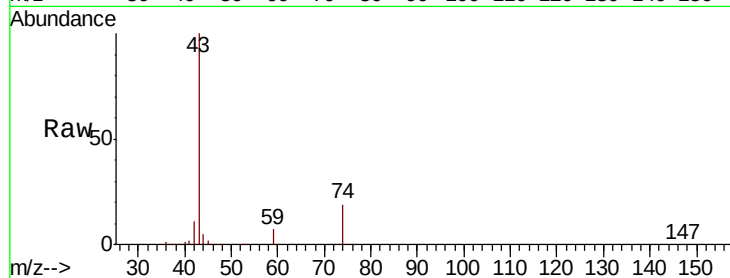




#15
Methvl Acetate
Concen: 22.575 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015083.D
Acq: 28 Feb 2020 16:34

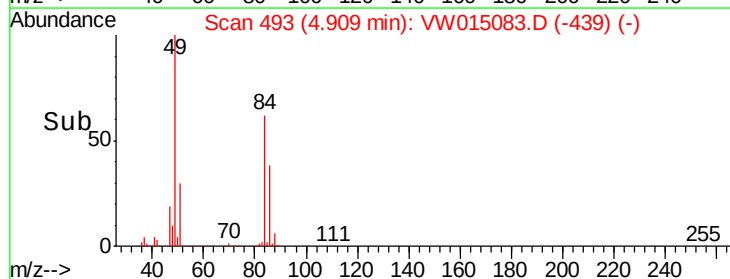
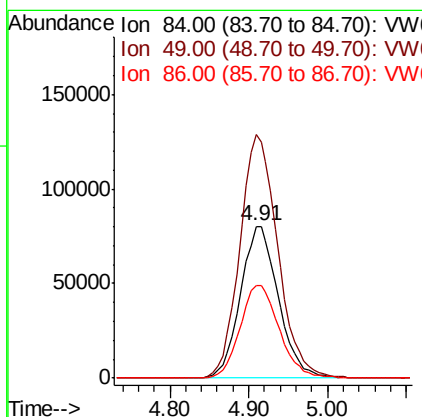
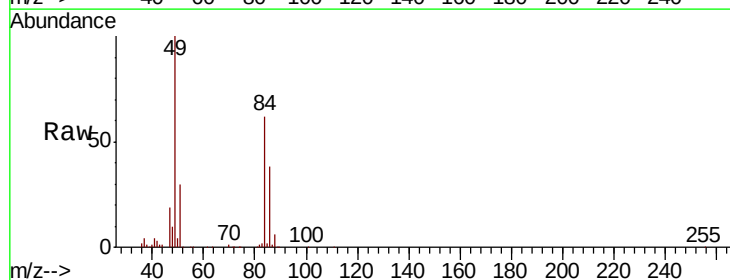
Instrument :
MSVOA_W
ClientSampleId :

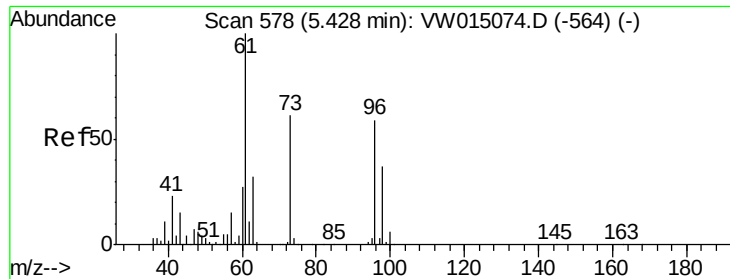
Tot Ion: 43 Resp: 124070
Ion Ratio Lower Upper
43 100
74 18.3 14.5 21.7



#16
Methylene chloride
Concen: 21.932 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW015083.D
Acq: 28 Feb 2020 16:34

Tgt Ion: 84 Resp: 267937
Ion Ratio Lower Upper
84 100
49 160.2 115.6 214.8
86 61.2 45.9 85.3

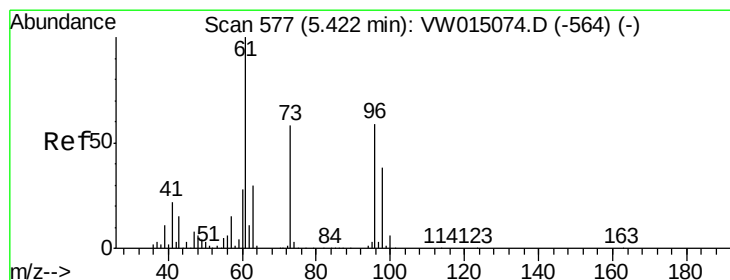
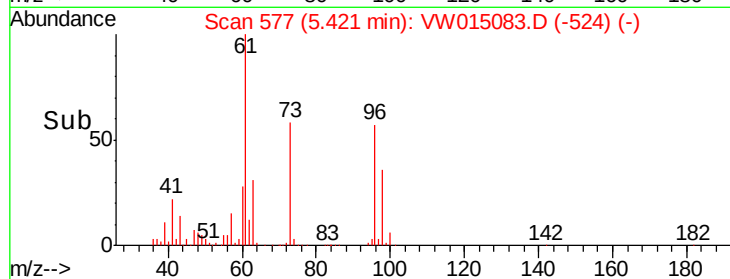
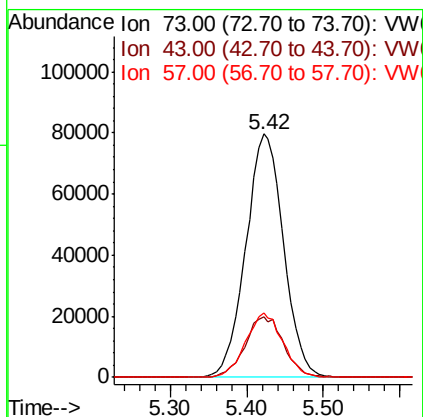
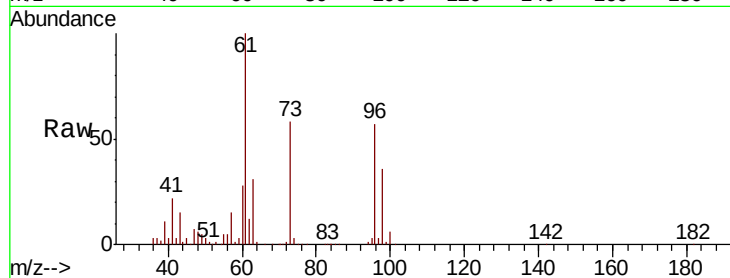




#17
Methyl tert-butyl Ether
Concen: 22.859 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015083.D
Acq: 28 Feb 2020 16:34

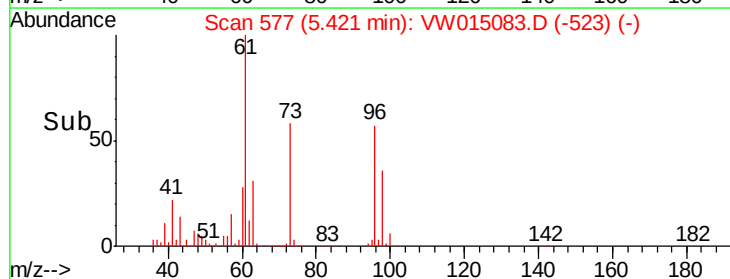
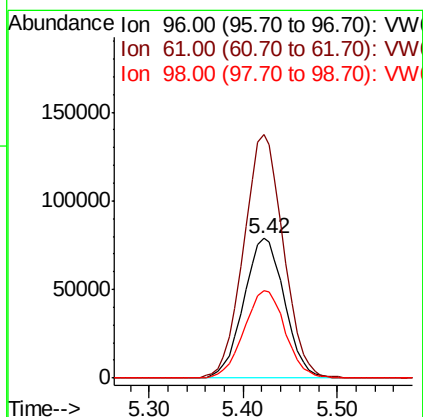
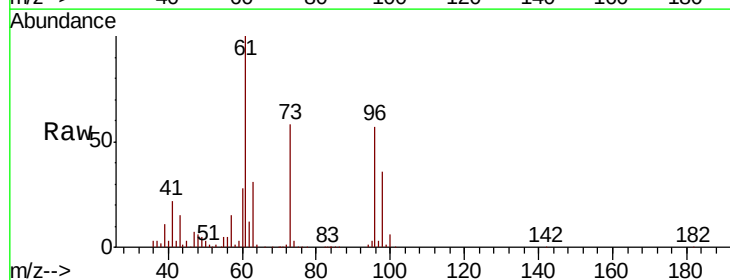
Instrument :
MSVOA_W
ClientSampled :

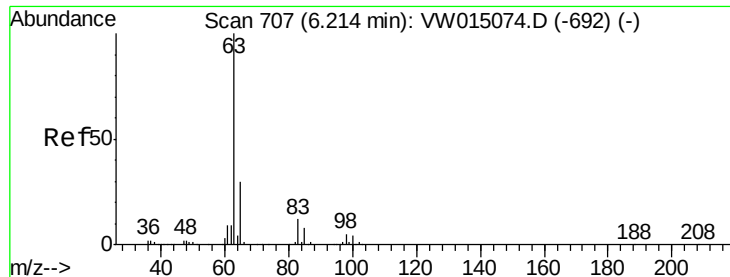
Tot Ion: 73 Resp: 273127
Ion Ratio Lower Upper
73 100
43 25.3 19.7 29.5
57 26.0 20.4 30.6



#18
trans-1,2-Dichloroethene
Concen: 23.454 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015083.D
Acq: 28 Feb 2020 16:34

Tgt Ion: 96 Resp: 239196
Ion Ratio Lower Upper
96 100
61 174.7 115.1 213.8
98 62.4 44.0 81.6

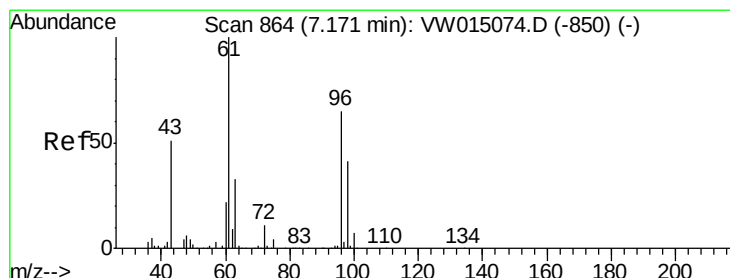
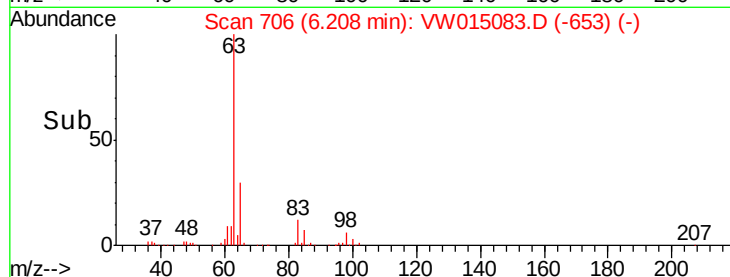
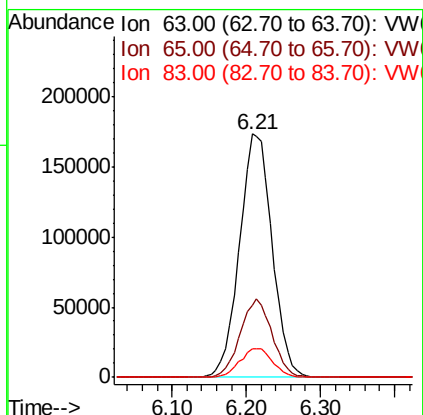
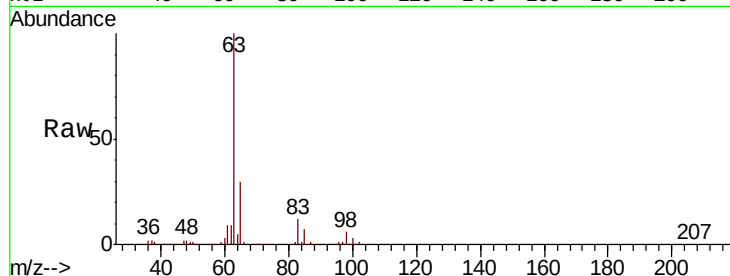




#19
 1,1-Dichloroethane
 Concen: 23.427 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW015083.D
 Acq: 28 Feb 2020 16:34

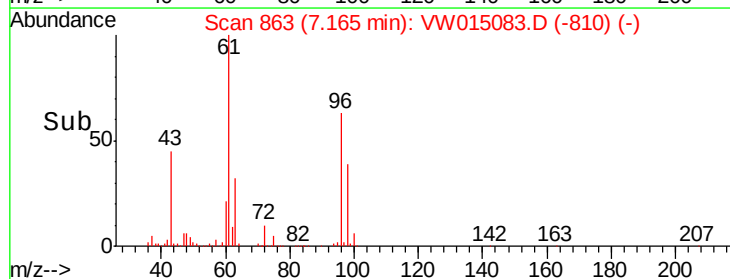
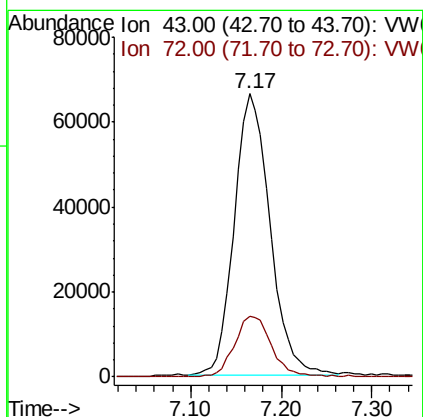
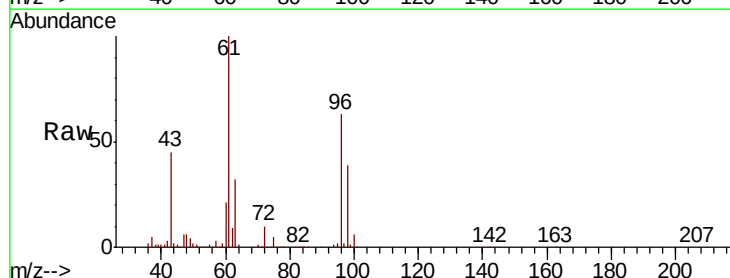
Instrument :
 MSVOA_W
 ClientSampleId :

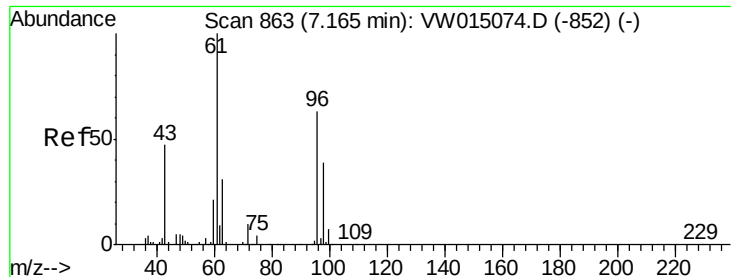
Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	21.9	40.7
83	11.5	7.8	14.6



#21
 2-Butanone
 Concen: 47.174 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015083.D
 Acq: 28 Feb 2020 16:34

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.4	10.4	31.4



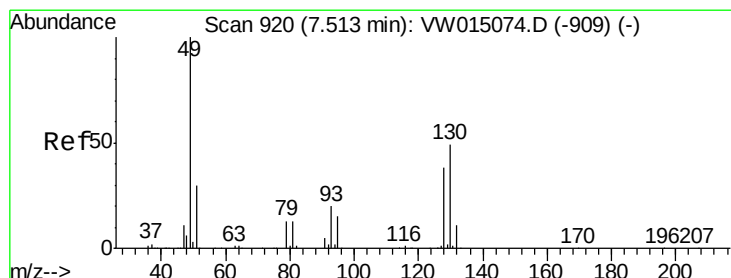
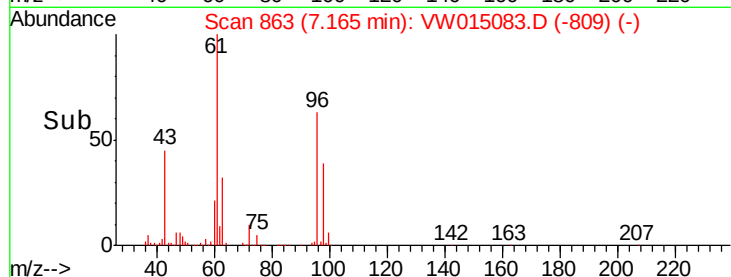
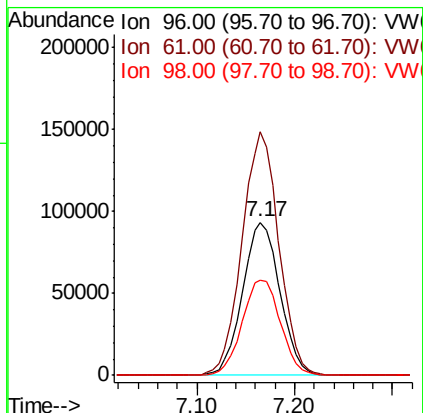
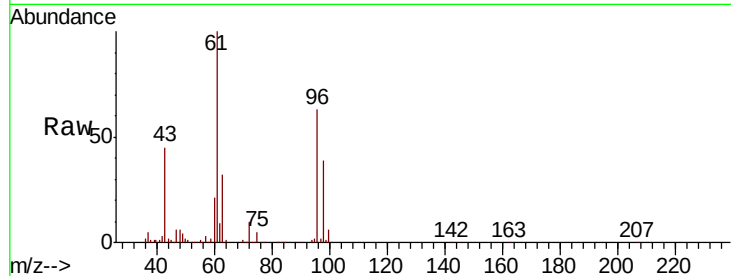


#22

cis-1,2-Dichloroethene
 Concen: 23.768 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015083.D
 Acq: 28 Feb 2020 16:34

Instrument :
 MSVOA_W
 ClientSampleId :

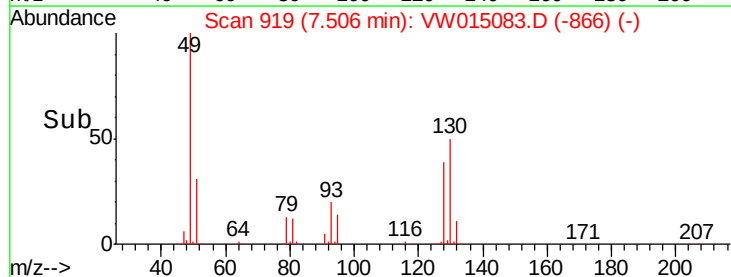
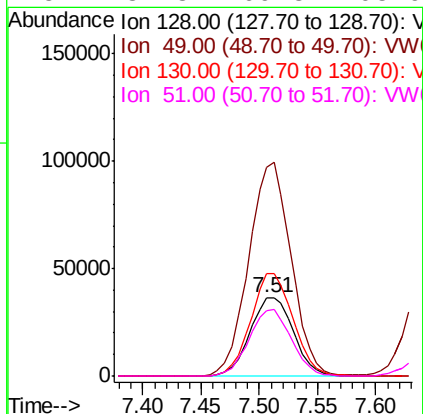
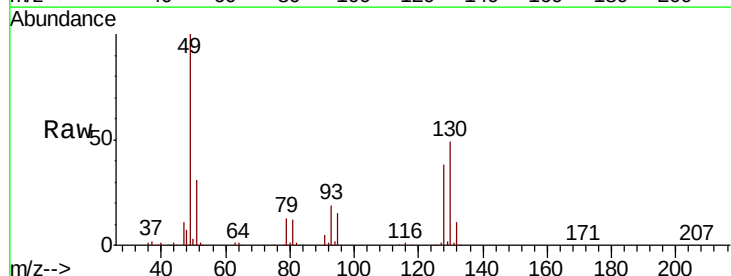
Tot Ion	Ratio	Lower	Upper
96	100		
61	159.3	105.2	195.4
98	62.4	42.6	79.2

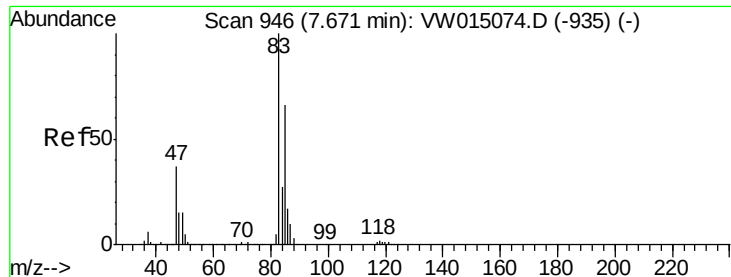


#23

Bromochloromethane
 Concen: 23.320 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW015083.D
 Acq: 28 Feb 2020 16:34

Tgt Ion	Ratio	Lower	Upper
128	100		
49	265.6	192.7	357.9
130	129.7	92.7	172.1
51	82.8	69.3	103.9





#25

Chloroform

Concen: 23.382 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

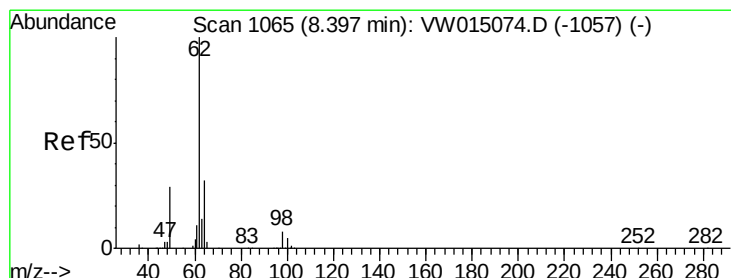
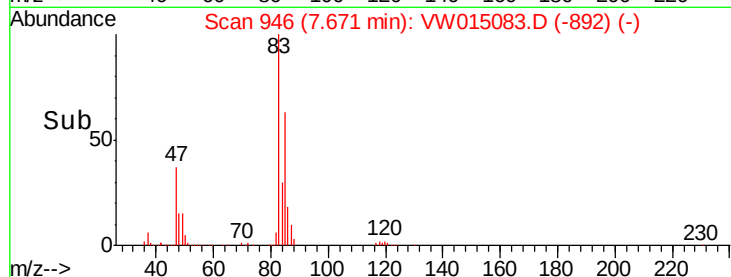
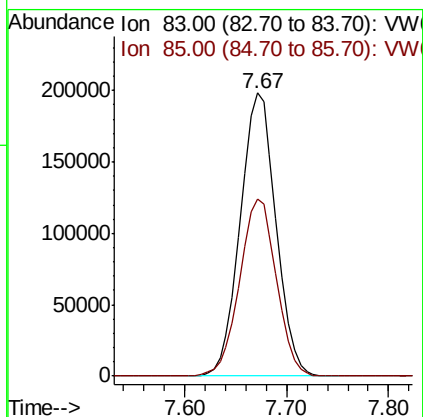
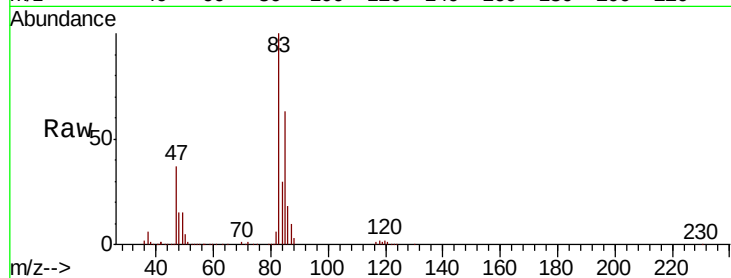
ClientSampled :

Tot Ion: 83 Resp: 482652

Ion Ratio Lower Upper

83 100

85 64.6 44.9 83.5



#27

1,2-Dichloroethane

Concen: 23.476 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015083.D

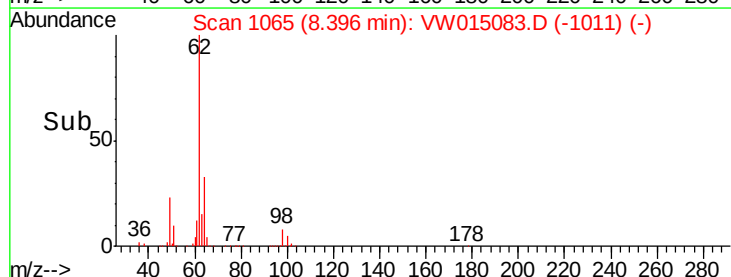
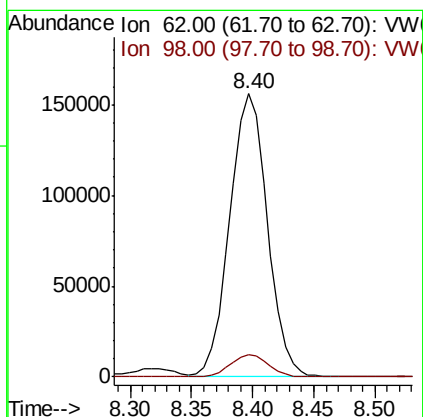
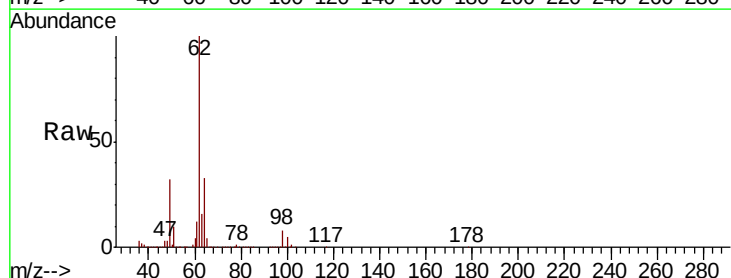
Acq: 28 Feb 2020 16:34

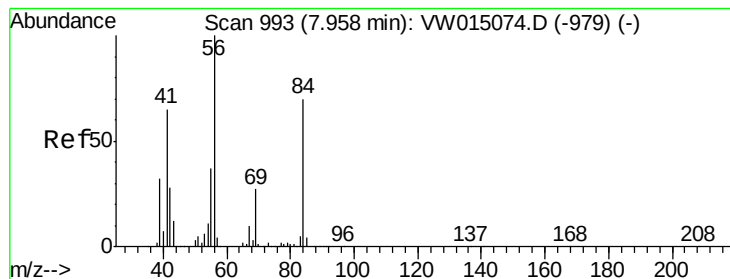
Tgt Ion: 62 Resp: 331571

Ion Ratio Lower Upper

62 100

98 7.8 6.5 9.7





#30

Cyclohexane

Concen: 25.164 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

ClientSampled :

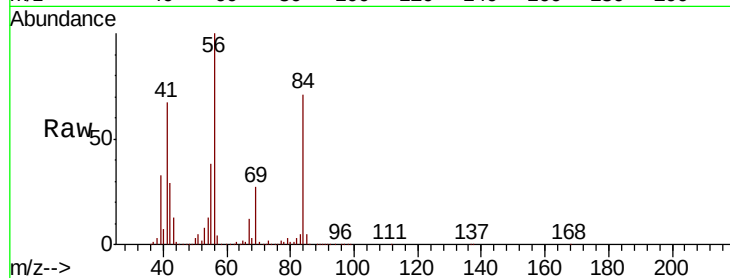
Tot Ion: 56 Resp: 506717

Ion Ratio Lower Upper

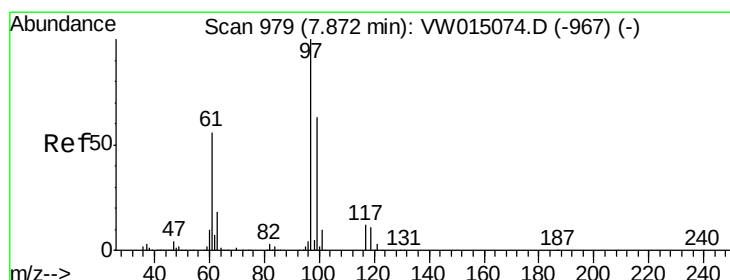
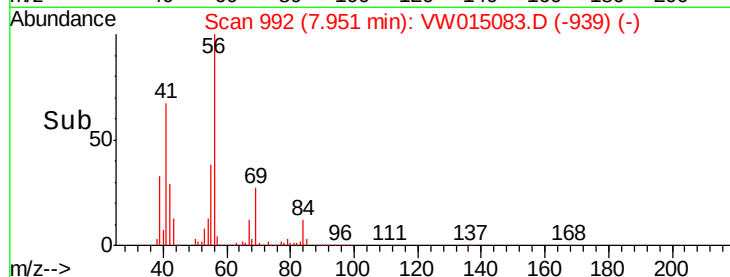
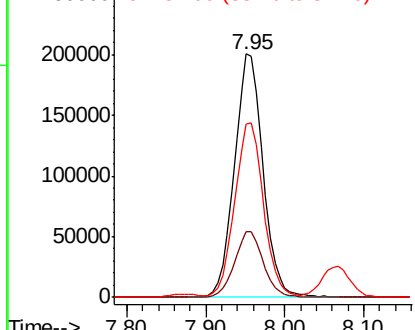
56 100

69 27.1 21.8 32.6

84 72.2 57.3 85.9



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



#31

1,1,1-Trichloroethane

Concen: 23.888 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

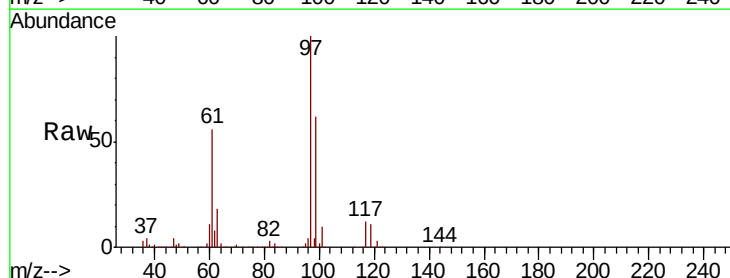
Tgt Ion: 97 Resp: 371048

Ion Ratio Lower Upper

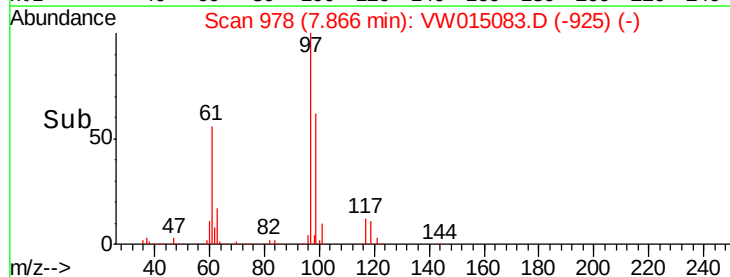
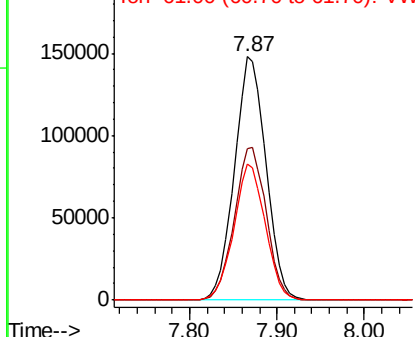
97 100

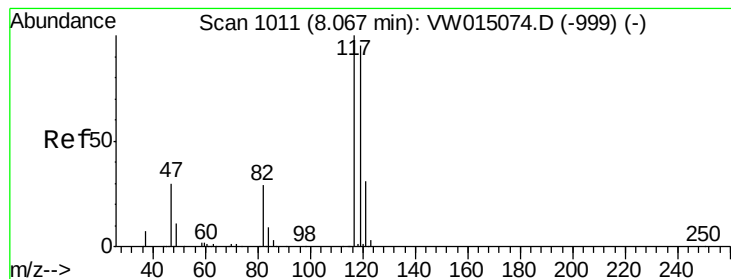
99 63.3 50.6 76.0

61 55.7 43.1 64.7



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 23.678 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

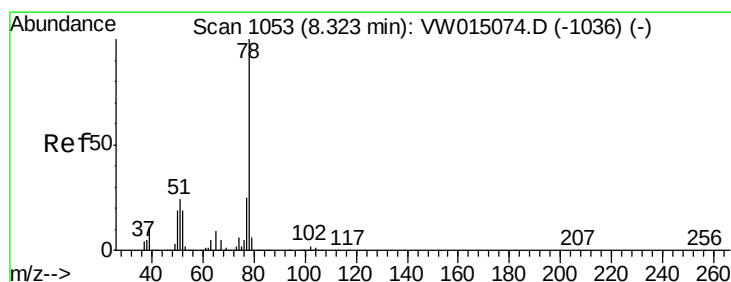
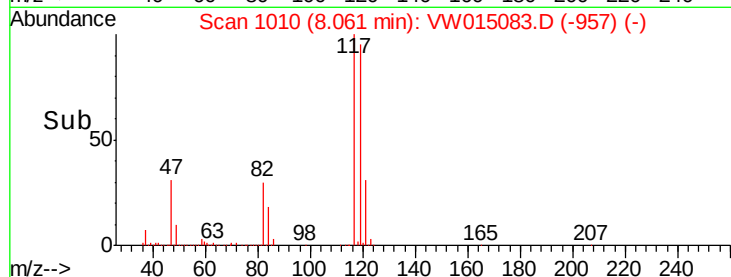
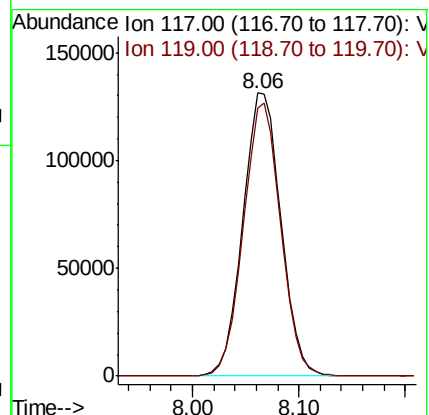
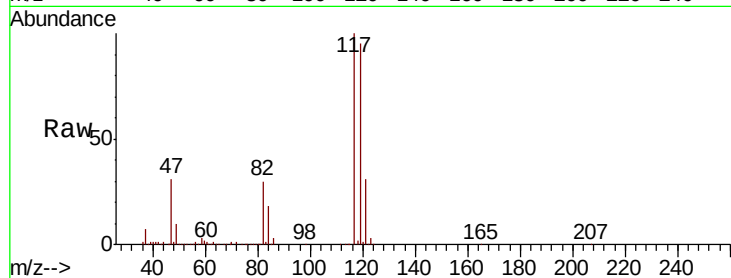
ClientSampleId :

Tot Ion:117 Resp: 329570

Ion Ratio Lower Upper

117 100

119 94.7 76.3 114.5



#34

Benzene

Concen: 25.155 ug/L

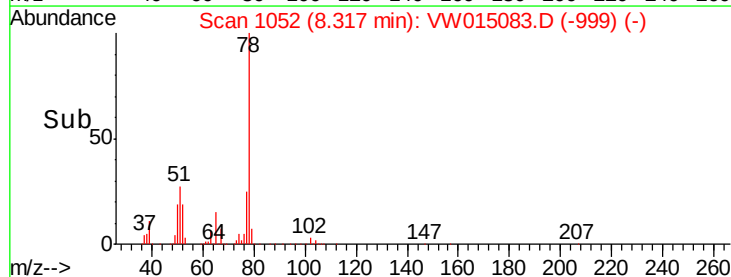
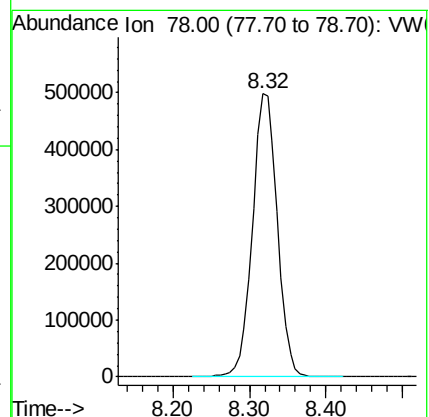
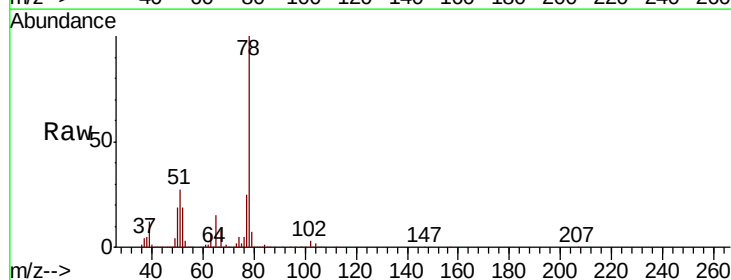
RT: 8.32 min Scan# 1052

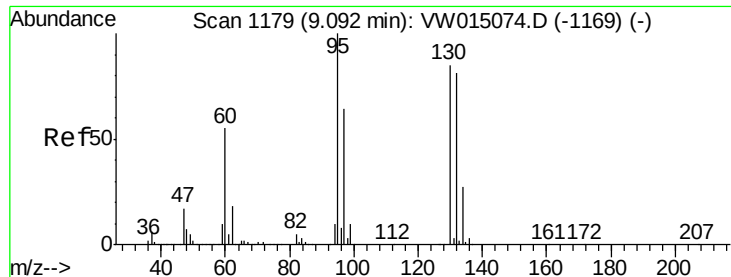
Delta R.T. -0.01 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Tgt Ion: 78 Resp: 1126972

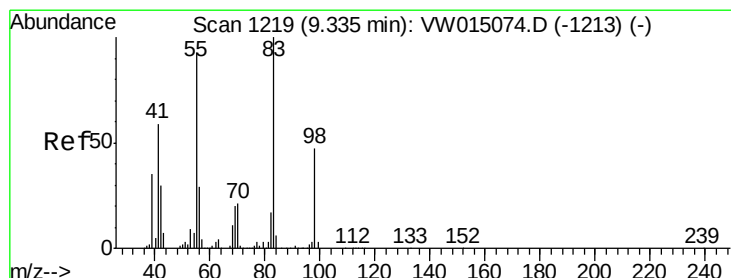
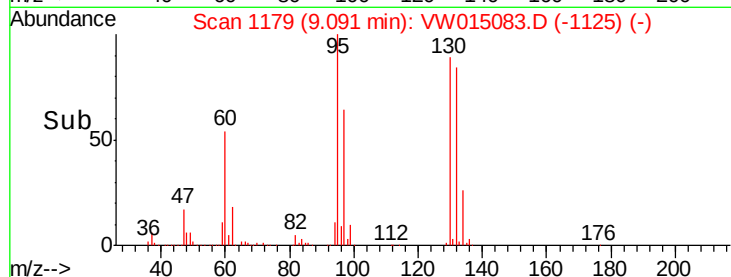
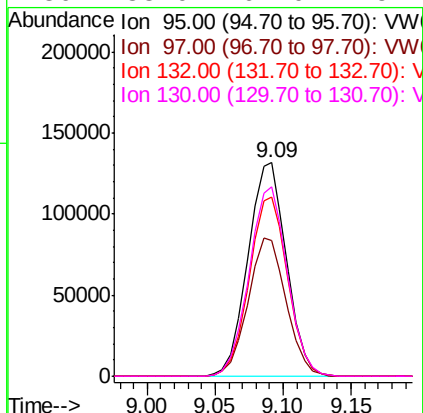
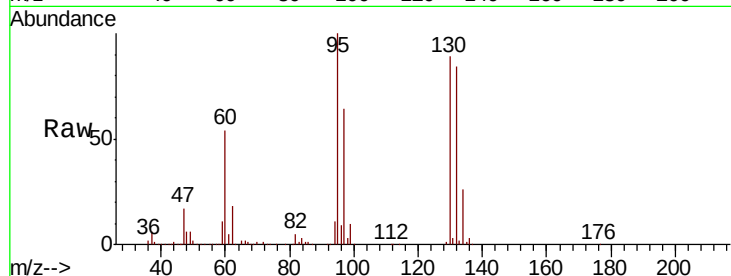




#35
 Trichloroethene
 Concen: 24.102 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015083.D
 Acq: 28 Feb 2020 16:34

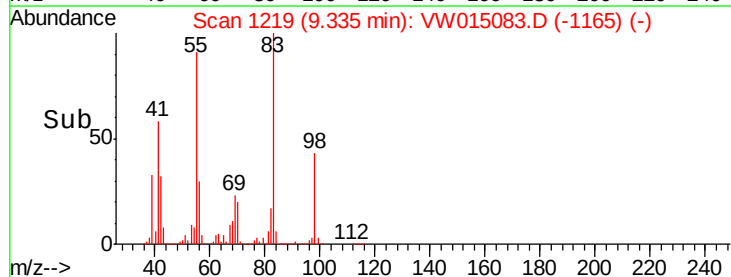
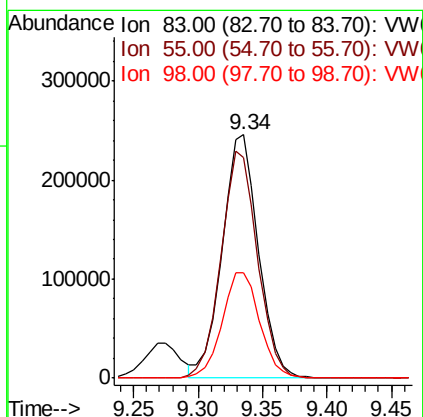
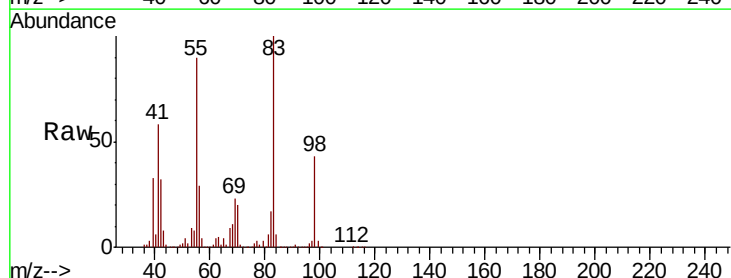
Instrument :
 MSVOA_W
 ClientSampled :

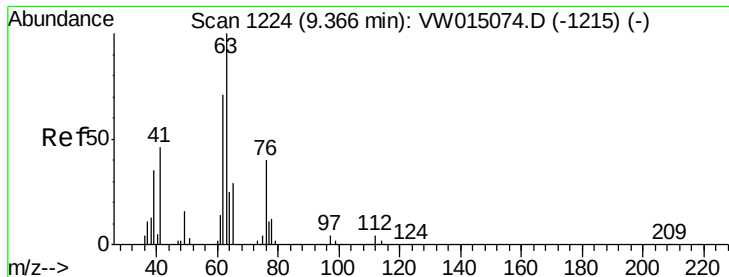
Tot Ion	95	Resp	261206
Ion Ratio	Lower	Upper	
95	100		
97	64.0	44.7	83.1
132	83.7	58.1	107.9
130	88.0	62.0	115.2



#36
 Methylcyclohexane
 Concen: 25.887 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015083.D
 Acq: 28 Feb 2020 16:34

Tgt Ion	83	Resp	481755
Ion Ratio	Lower	Upper	
83	100		
55	94.2	76.6	115.0
98	45.1	36.6	54.8





#40

1,2-Dichloropropane

Concen: 24.547 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

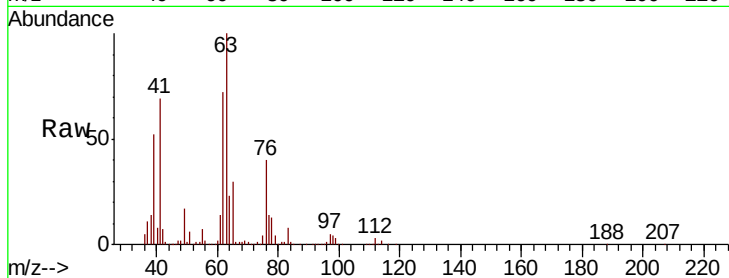
ClientSampleId :

Tot Ion: 63 Resp: 305437

Ion Ratio Lower Upper

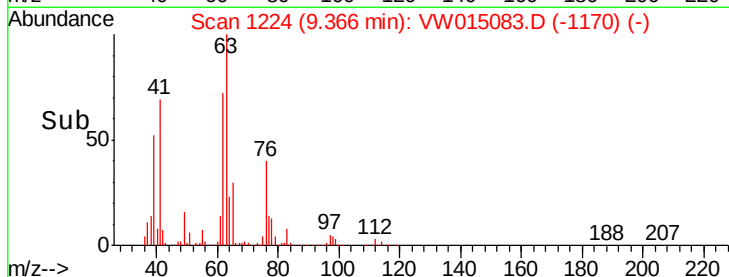
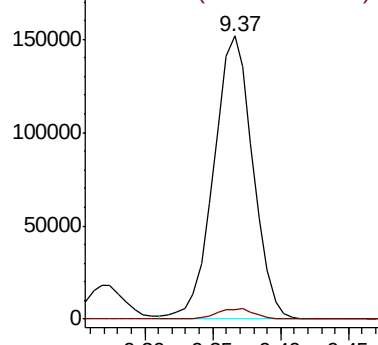
63 100

112 3.6 2.8 4.2

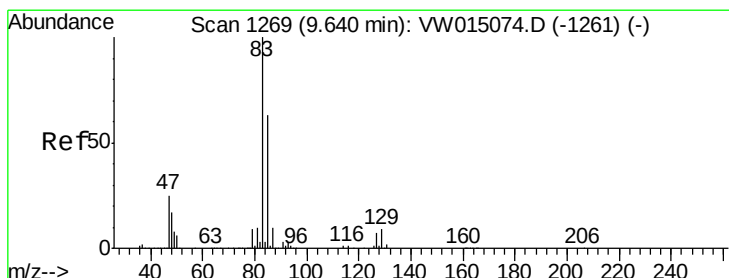


Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



Time-->



#41

Bromodichloromethane

Concen: 23.745 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

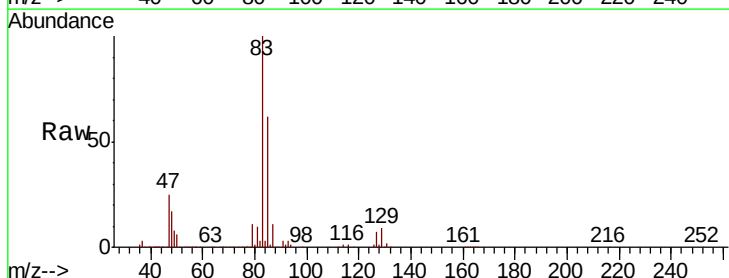
Tgt Ion: 83 Resp: 331427

Ion Ratio Lower Upper

83 100

85 61.7 44.7 83.1

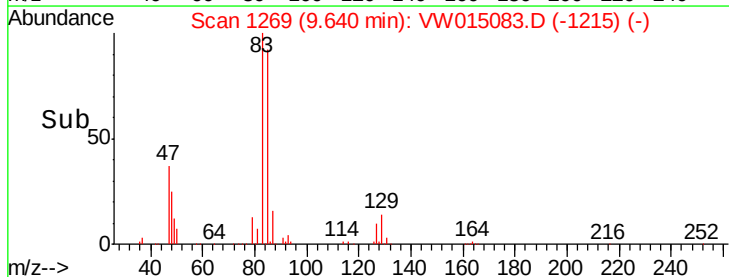
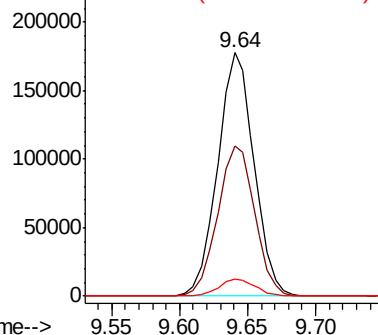
127 7.0 5.4 8.0



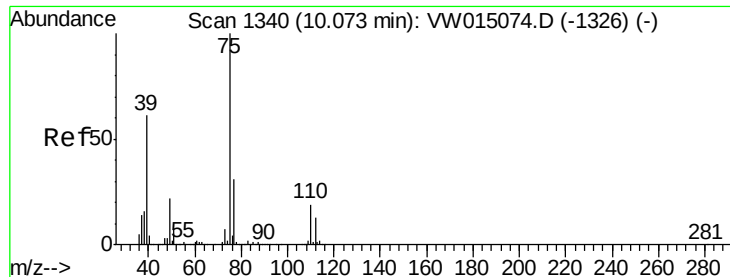
Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V



Time-->



#42

cis-1,3-Dichloropropene

Concen: 24.541 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

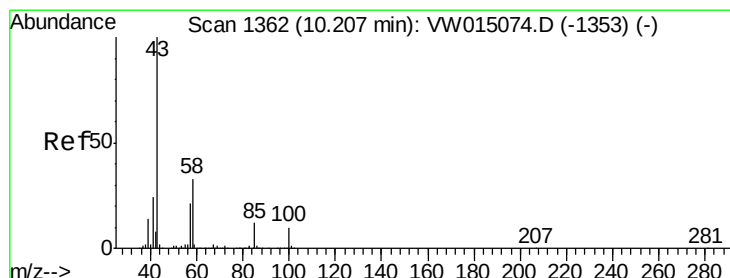
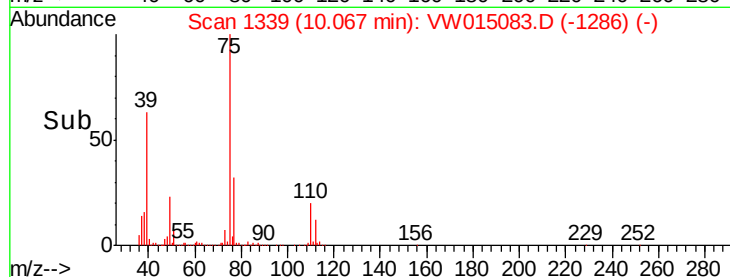
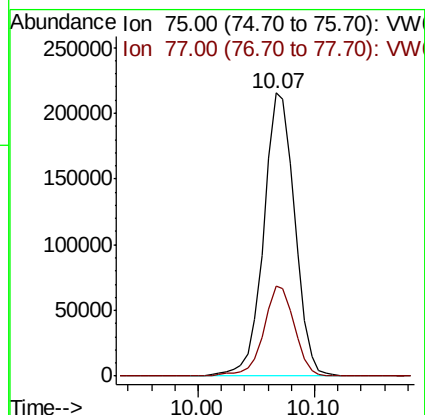
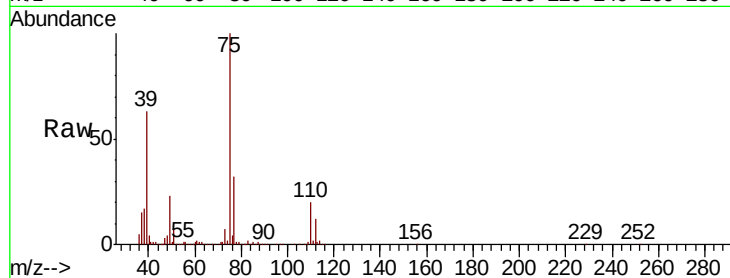
ClientSampled :

Tot Ion: 75 Resp: 397916

Ion Ratio Lower Upper

75 100

77 31.7 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 49.264 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

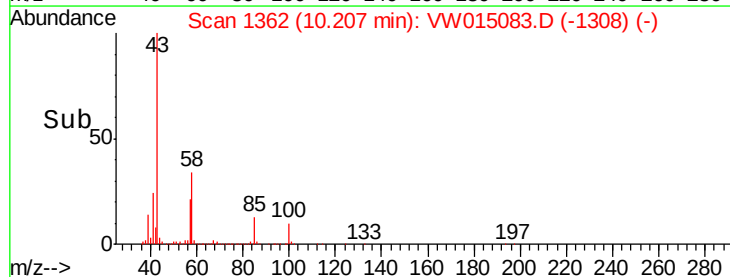
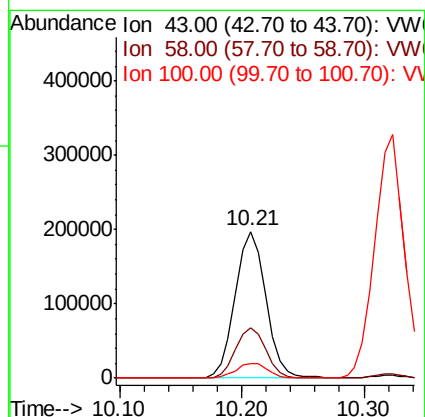
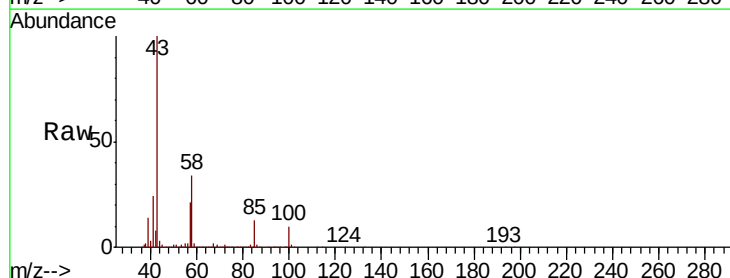
Tgt Ion: 43 Resp: 342857

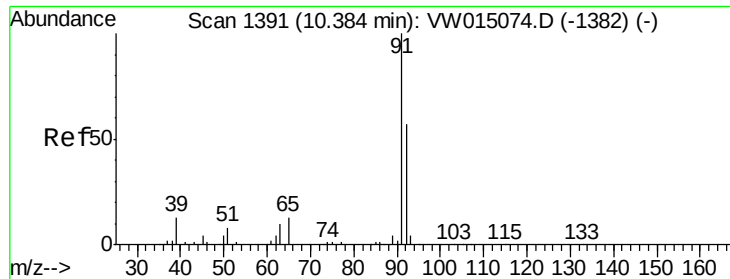
Ion Ratio Lower Upper

43 100

58 34.1 27.6 41.4

100 10.4 8.6 13.0





#44

Toluene

Concen: 26.098 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

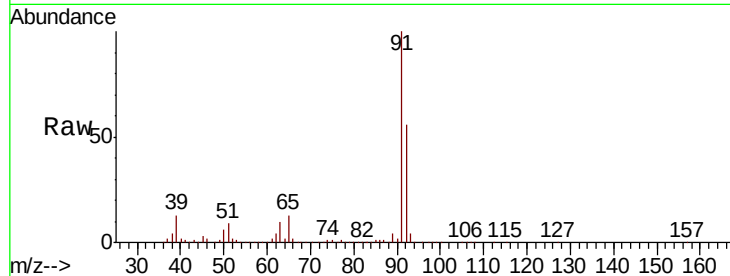
ClientSampleId :

Tot Ion: 91 Resp: 113554

Ion Ratio Lower Upper

91 100

92 56.3 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

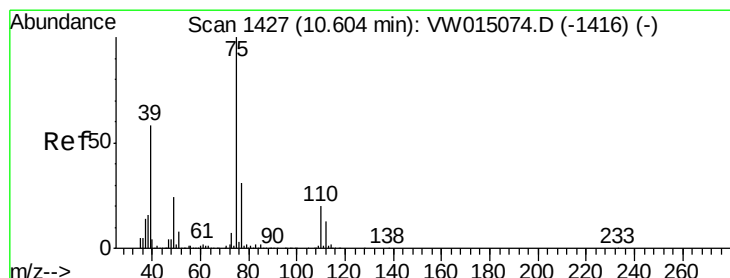
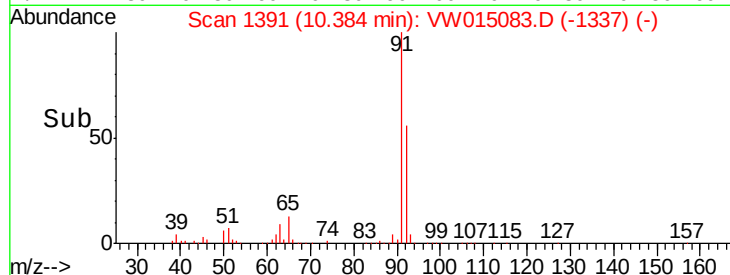
600000

400000

200000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.595 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015083.D

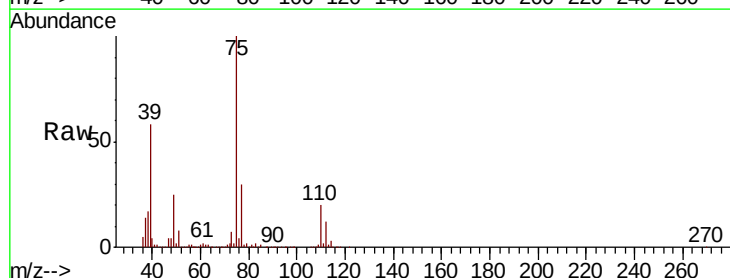
Acq: 28 Feb 2020 16:34

Tgt Ion: 75 Resp: 322318

Ion Ratio Lower Upper

75 100

77 30.3 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

200000

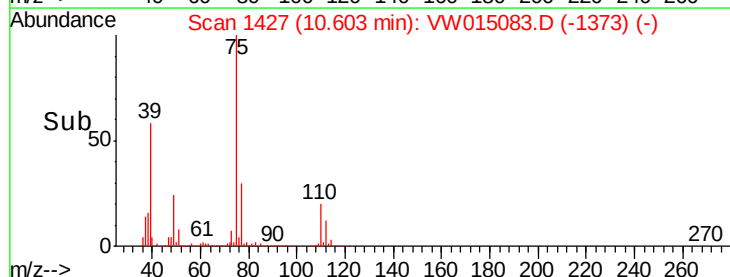
150000

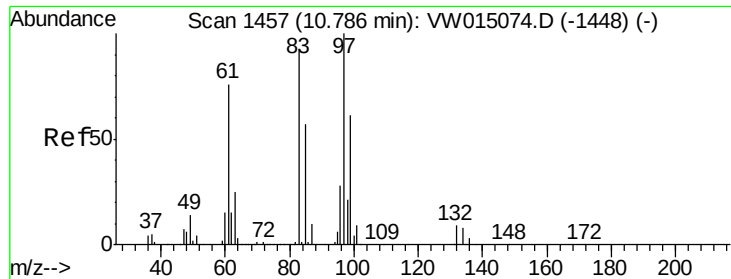
100000

50000

0

Time-->

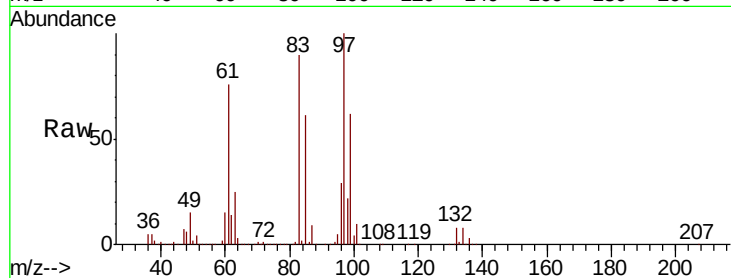




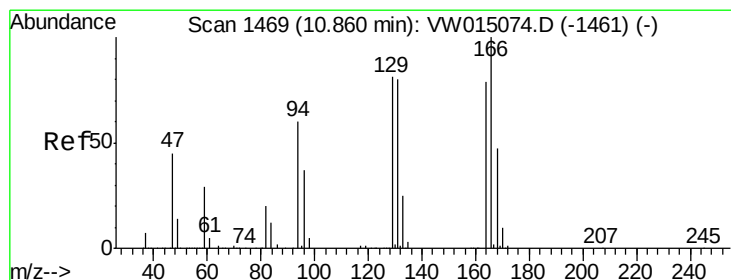
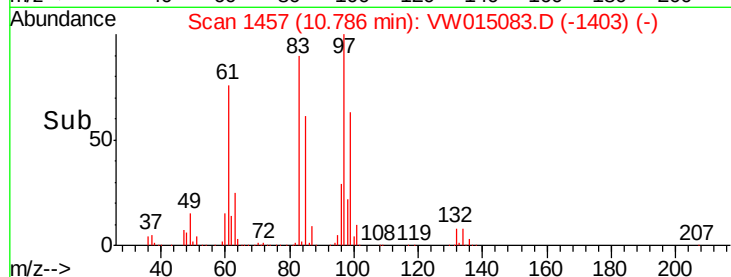
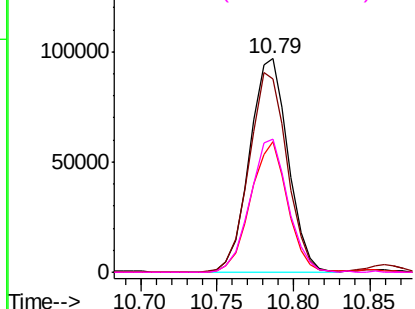
#46
1,1,2-Trichloroethane
Concen: 24.233 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW015083.D
Acq: 28 Feb 2020 16:34

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 97 Resp: 169685
Ion Ratio Lower Upper
97 100
83 90.4 64.4 119.6
85 61.1 40.9 75.9
99 62.5 44.1 81.9

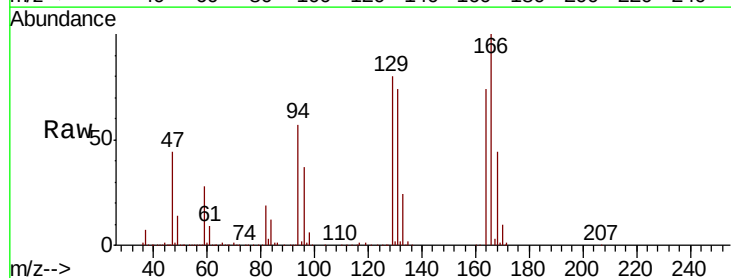


Abundance Ion 97.00 (96.70 to 97.70): VW
150000 Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

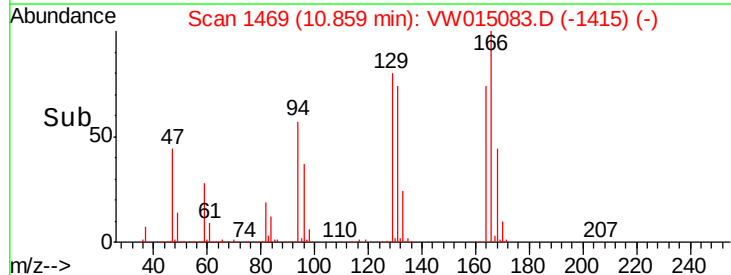
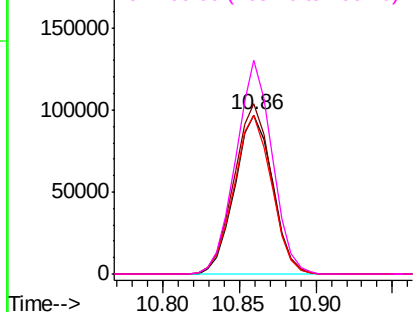


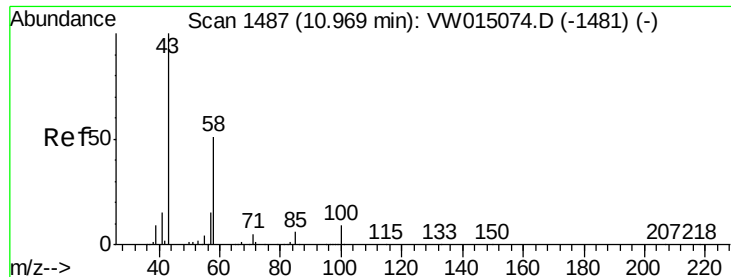
#47
Tetrachloroethene
Concen: 23.878 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015083.D
Acq: 28 Feb 2020 16:34

Tgt Ion: 164 Resp: 166783
Ion Ratio Lower Upper
164 100
129 106.9 71.7 133.1
131 100.0 70.1 130.3
166 134.3 91.3 169.6



Abundance Ion 164.00 (163.70 to 164.70): V
200000 Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

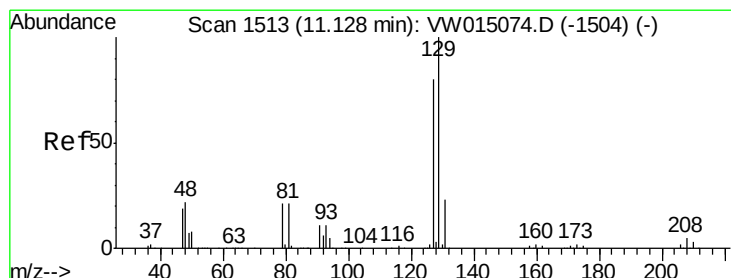
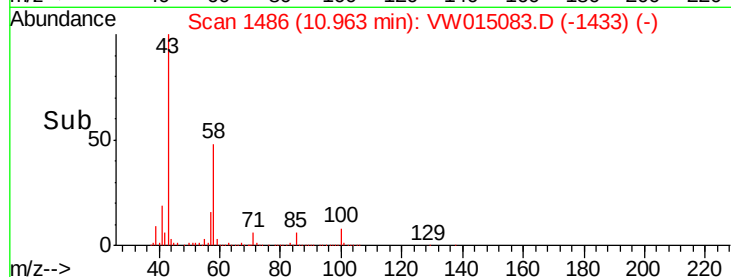
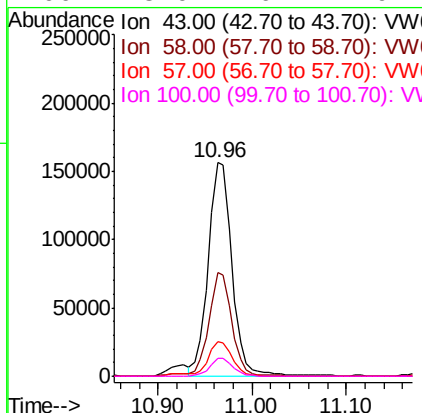
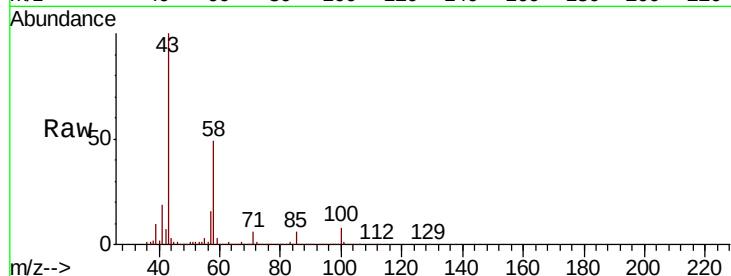




#49
2-Hexanone
Concen: 54.231 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW015083.D
Acq: 28 Feb 2020 16:34

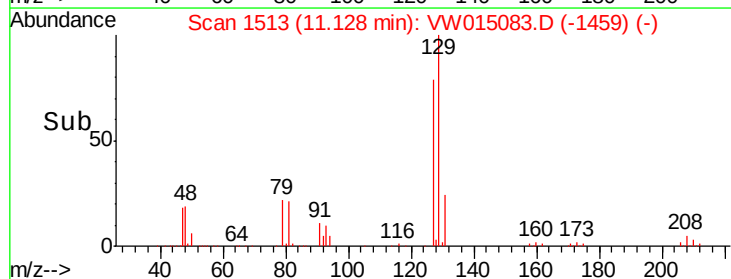
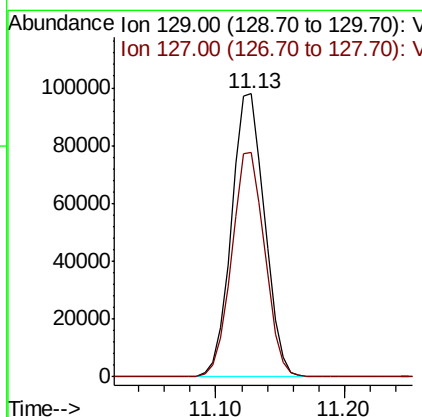
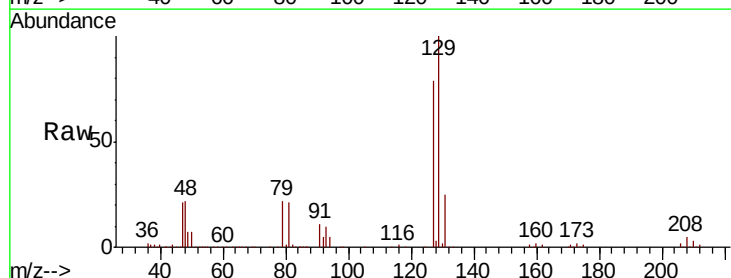
Instrument :
MSVOA_W
ClientSampleId :

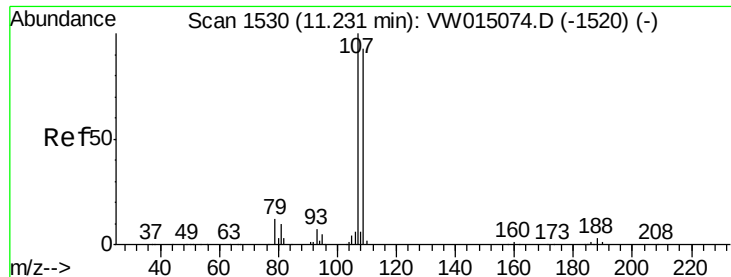
Tot Ion:	43	Resp:	273627
Ion	Ratio	Lower	Upper
43	100		
58	46.5	38.9	58.3
57	15.7	13.4	20.2
100	8.0	6.7	10.1



#50
Dibromochloromethane
Concen: 23.561 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015083.D
Acq: 28 Feb 2020 16:34

Tgt Ion:	129	Resp:	175575
Ion	Ratio	Lower	Upper
129	100		
127	79.3	56.4	104.7

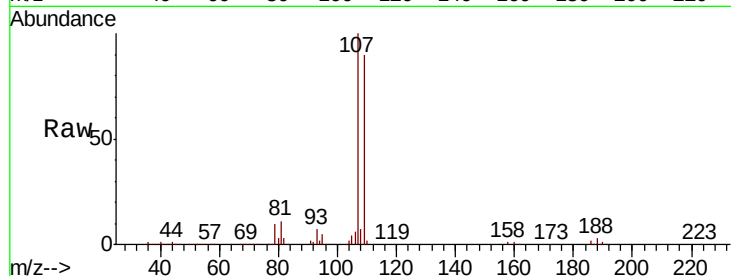




#51
1,2-Dibromoethane
Concen: 24.236 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015083.D
Acq: 28 Feb 2020 16:34

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.6	61.9	114.9
188	3.0	2.5	3.7

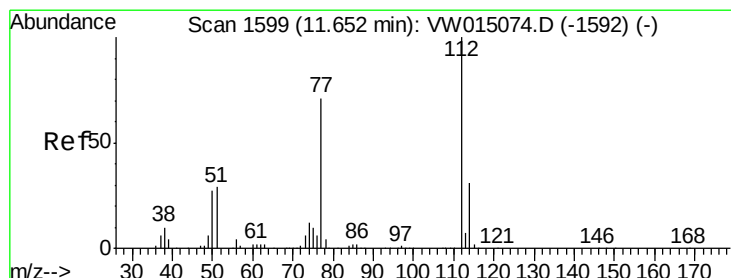
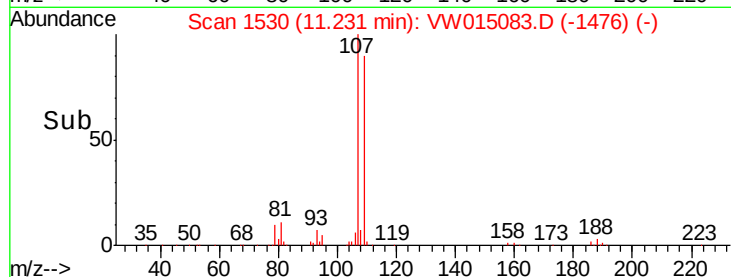
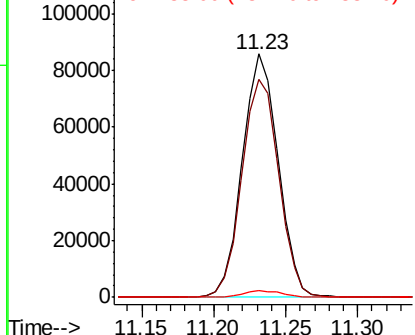


Abundance

Ion 107.00 (106.70 to 107.70): V

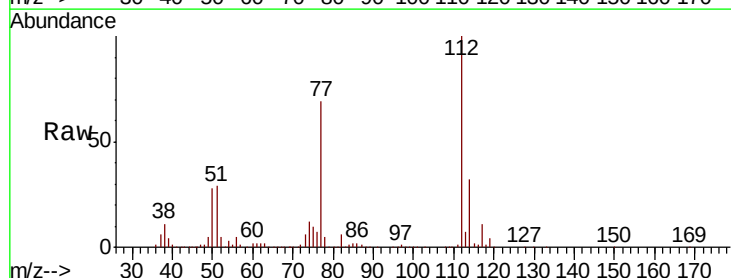
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52
Chlorobenzene
Concen: 24.090 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW015083.D
Acq: 28 Feb 2020 16:34

Tgt Ion	Ratio	Lower	Upper
112	100		
77	69.2	57.0	85.6
114	32.3	22.5	41.9

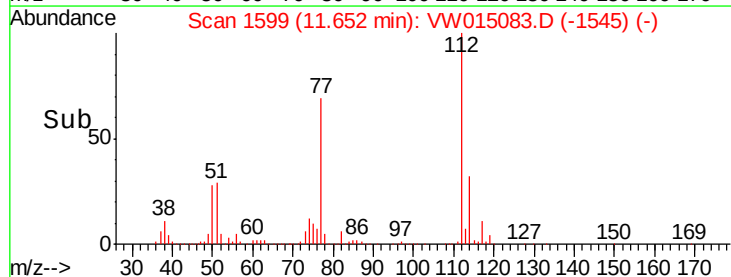
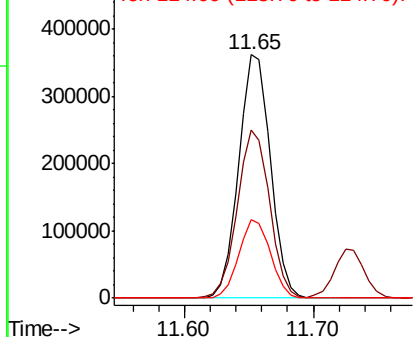


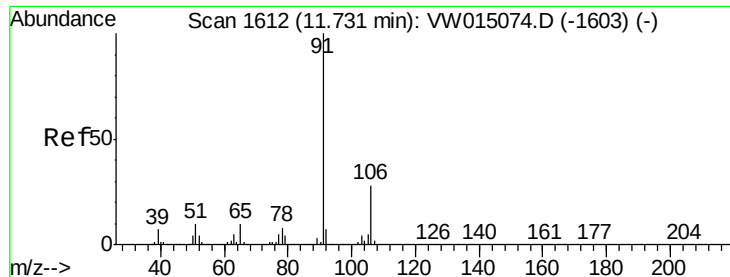
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

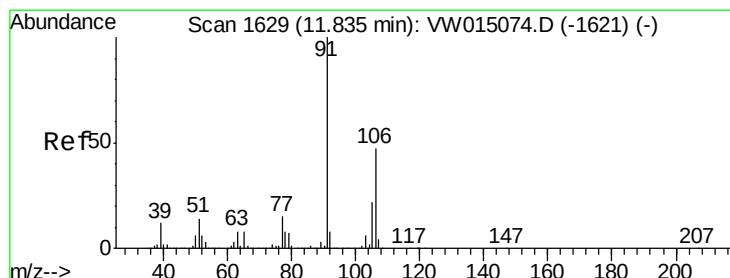
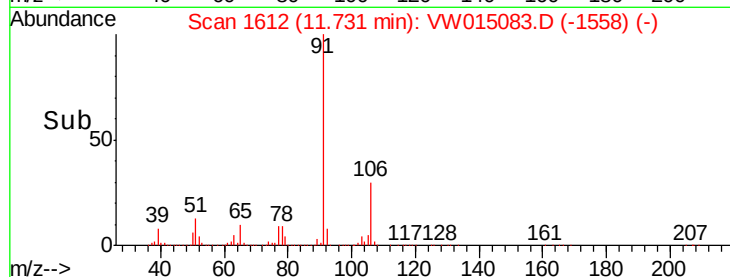
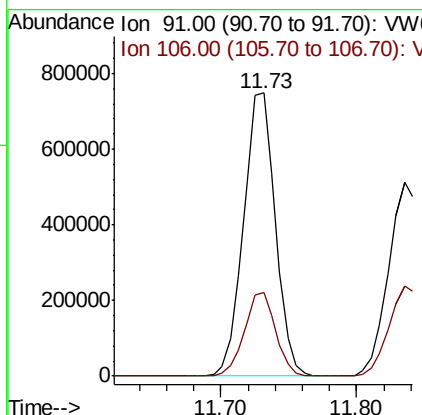
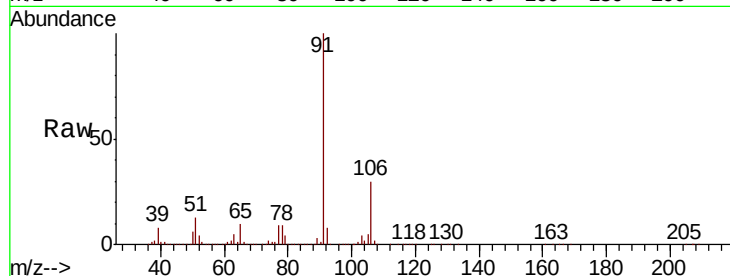




#53
Ethylbenzene
Concen: 25.787 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015083.D
Acq: 28 Feb 2020 16:34

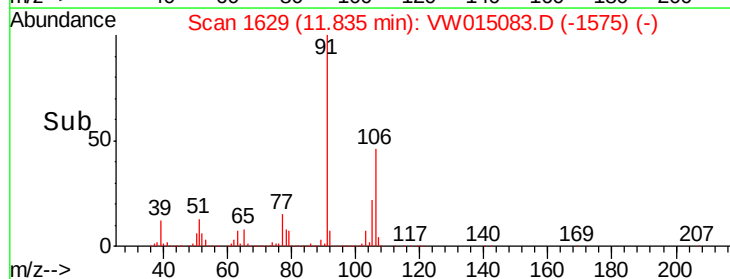
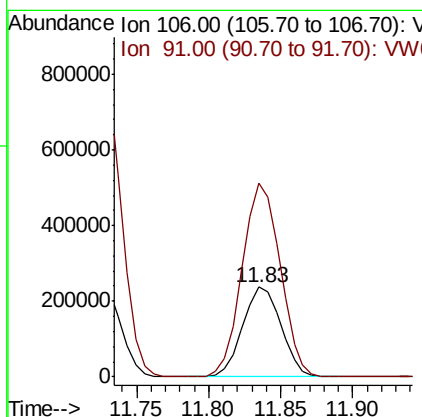
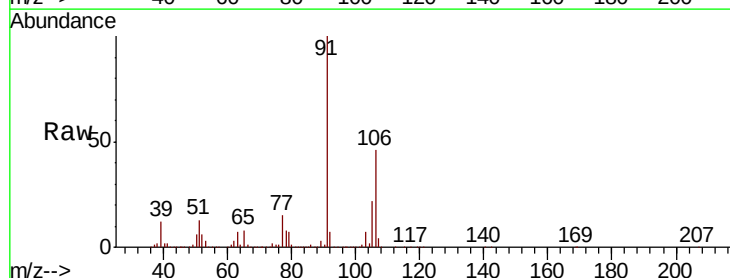
Instrument :
MSVOA_W
ClientSampled :

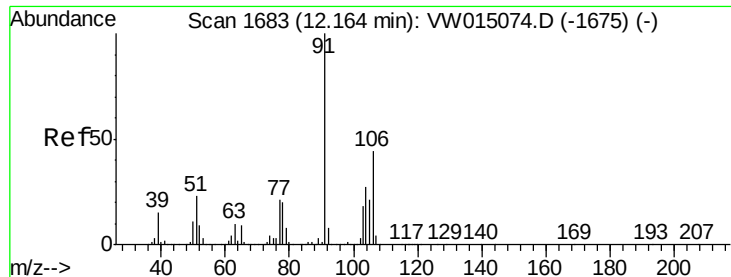
Tot Ion: 91 Resp: 1225712
Ion Ratio Lower Upper
91 100
106 29.7 20.1 37.3



#54
m,p-Xylene
Concen: 26.302 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015083.D
Acq: 28 Feb 2020 16:34

Tgt Ion: 106 Resp: 437409
Ion Ratio Lower Upper
106 100
91 216.2 151.4 281.2





#55

o-xylene

Concen: 25.798 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

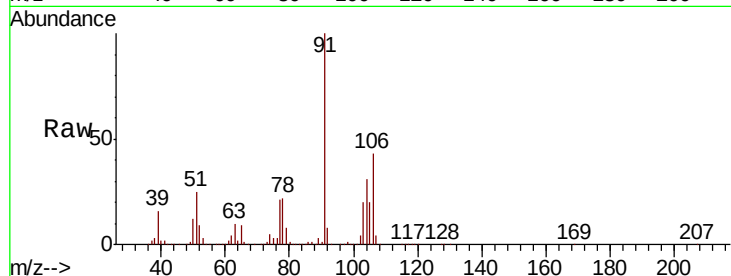
ClientSampled :

Tot Ion:106 Resp: 399744

Ion Ratio Lower Upper

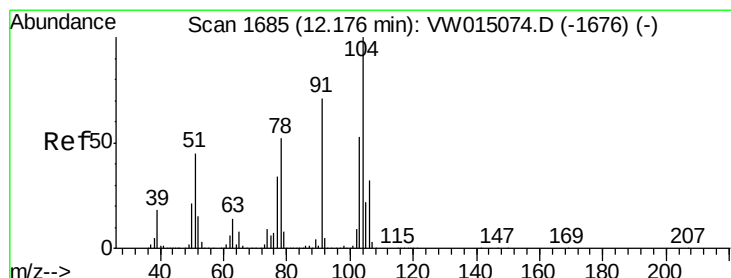
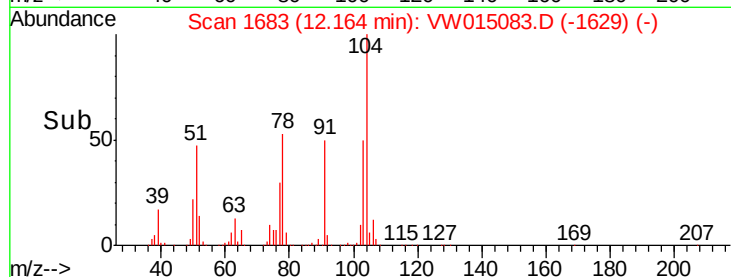
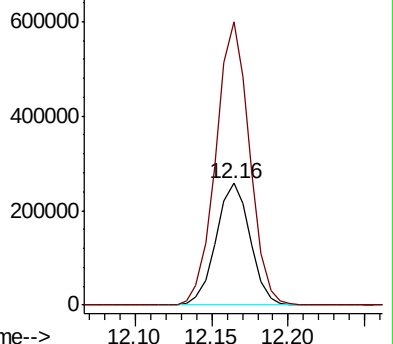
106 100

91 232.5 162.5 301.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.507 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW015083.D

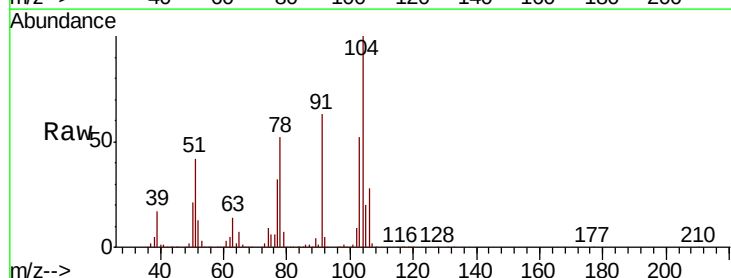
Acq: 28 Feb 2020 16:34

Tgt Ion:104 Resp: 703501

Ion Ratio Lower Upper

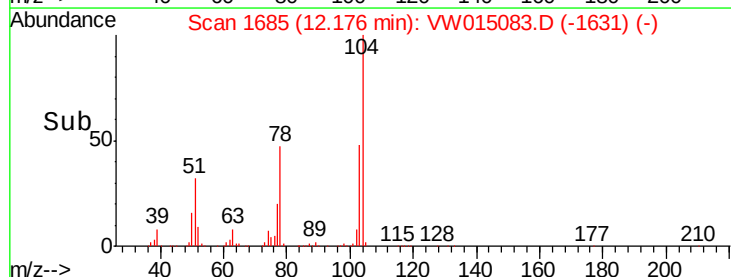
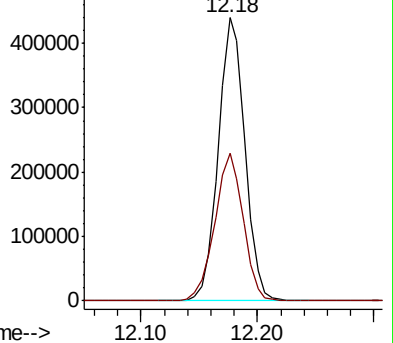
104 100

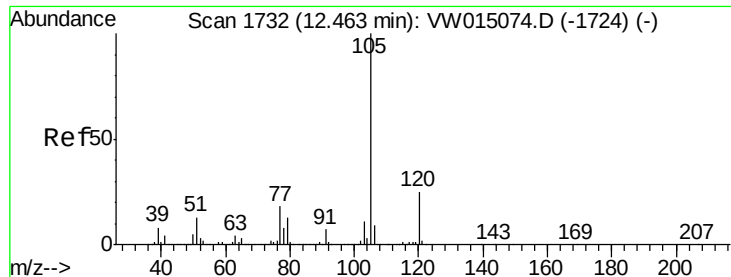
78 52.1 35.6 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.114 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

ClientSampleId :

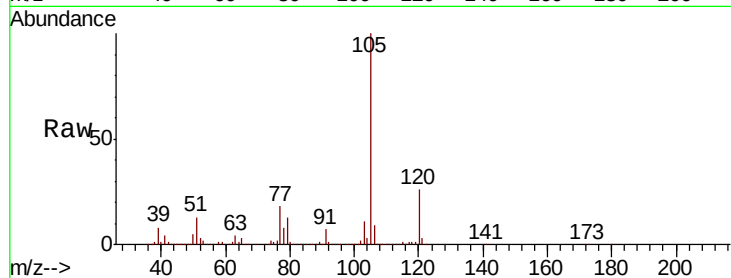
Tot Ion:105 Resp: 1102007

Ion Ratio Lower Upper

105 100

120 25.3 19.8 29.8

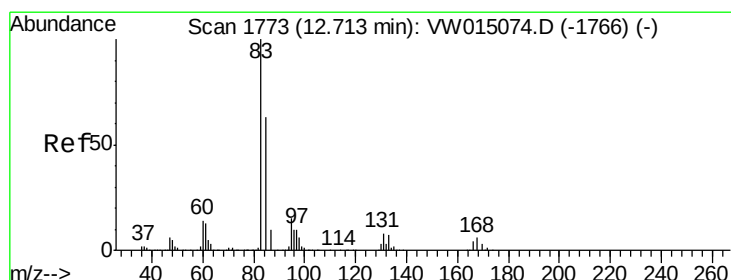
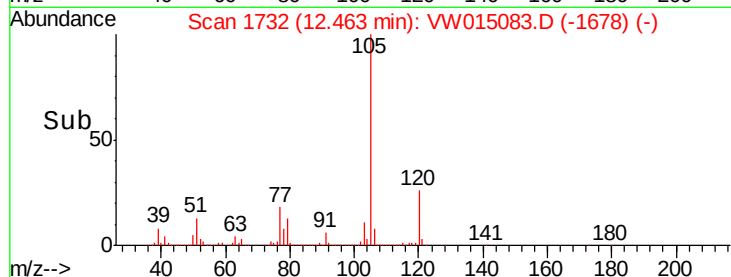
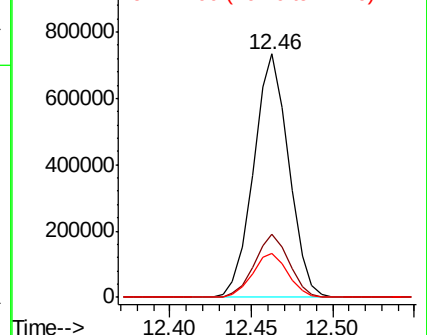
77 18.2 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.058 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

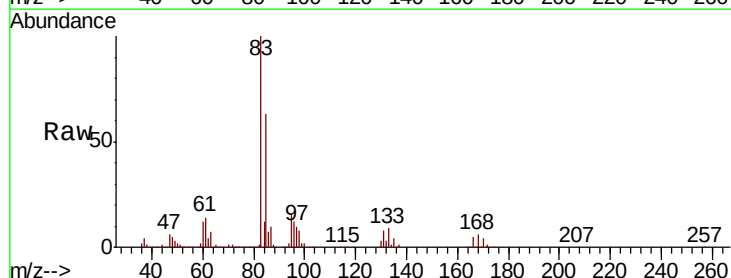
Tgt Ion: 83 Resp: 212550

Ion Ratio Lower Upper

83 100

85 62.9 44.2 82.0

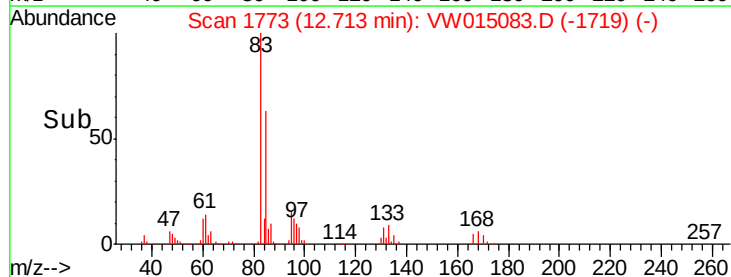
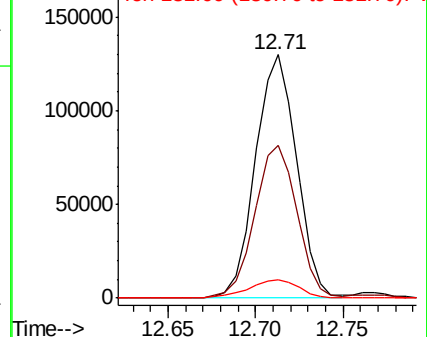
131 7.6 6.3 9.5

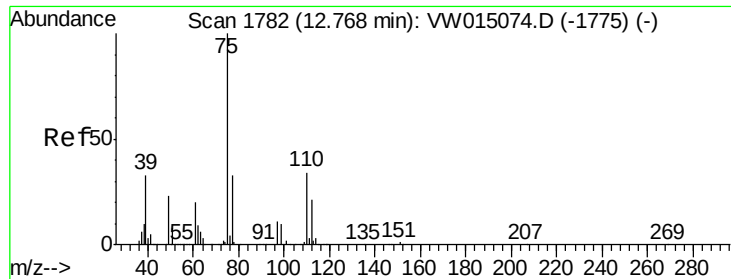


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.410 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

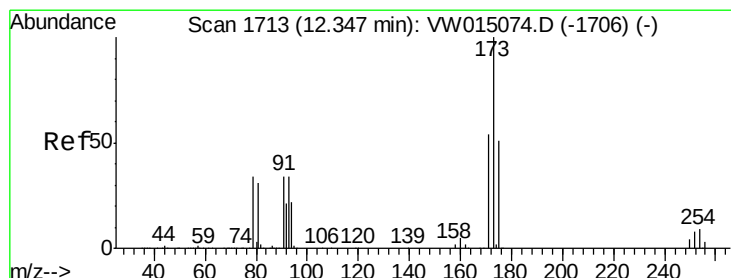
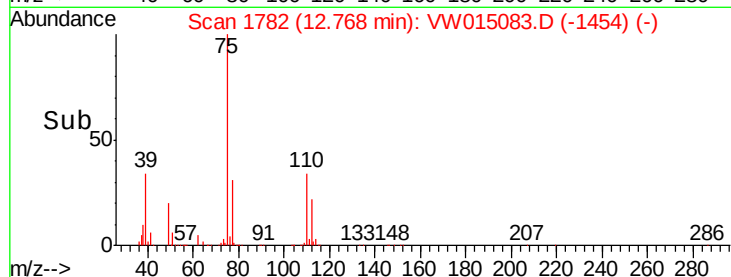
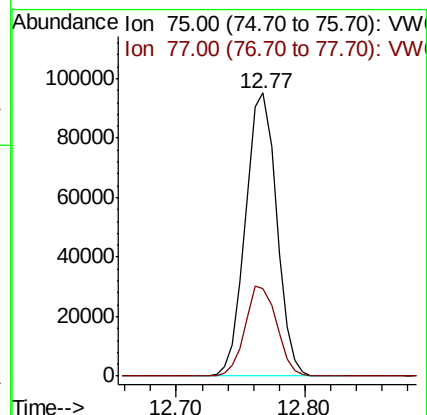
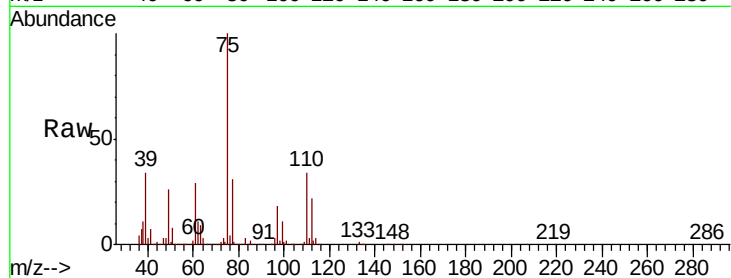
ClientSampled :

Tot Ion: 75 Resp: 158965

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



#62

Bromoform

Concen: 22.282 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

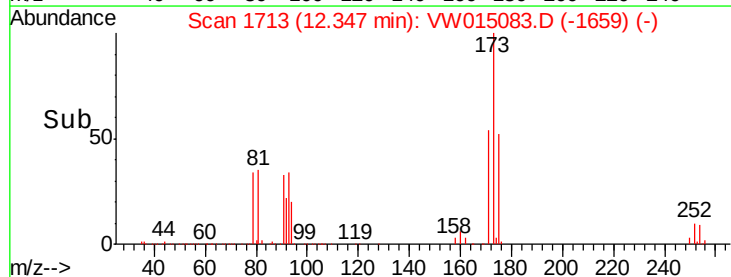
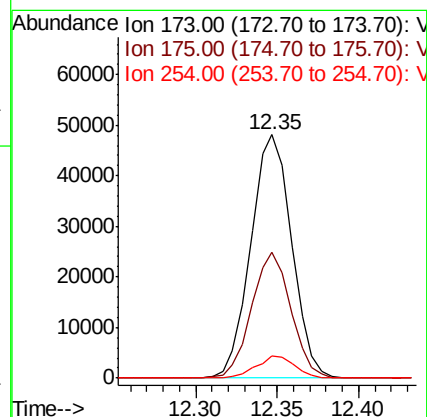
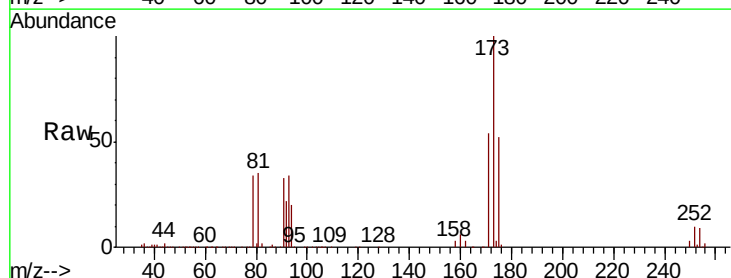
Tgt Ion: 173 Resp: 83987

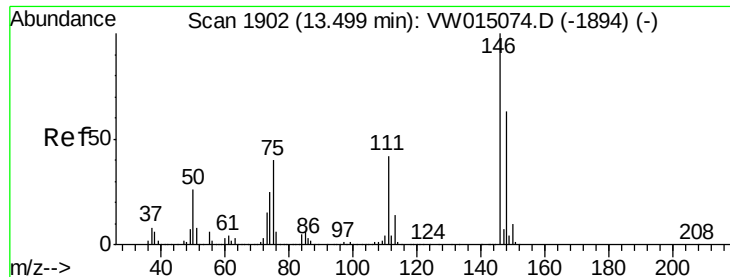
Ion Ratio Lower Upper

173 100

175 49.8 38.7 58.1

254 8.7 7.0 10.4





#63

1,3-Dichlorobenzene

Concen: 23.767 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

ClientSampleId :

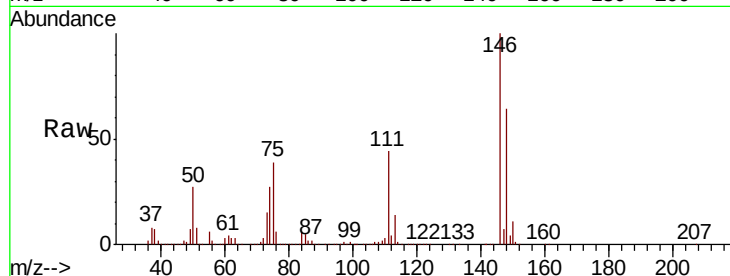
Tot Ion:146 Resp: 415793

Ion Ratio Lower Upper

146 100

111 43.9 30.9 57.3

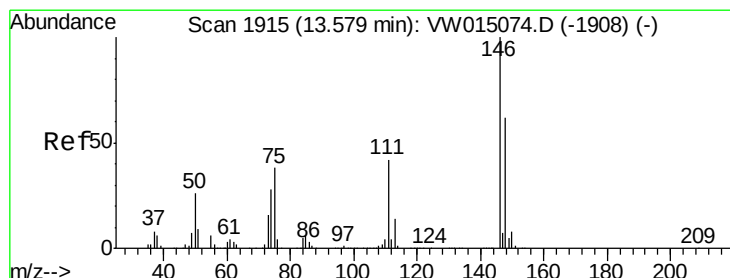
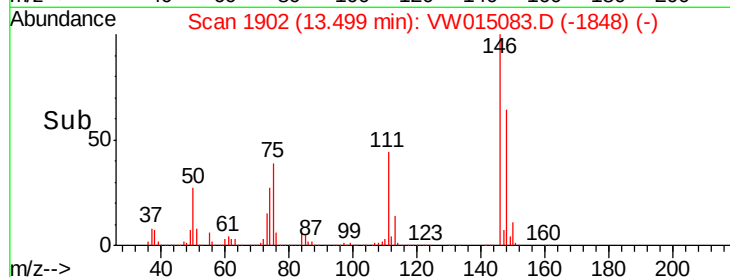
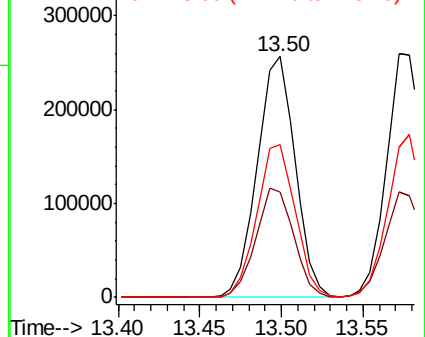
148 63.5 44.6 82.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 23.336 ug/L

RT: 13.57 min Scan# 1914

Delta R.T. -0.01 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

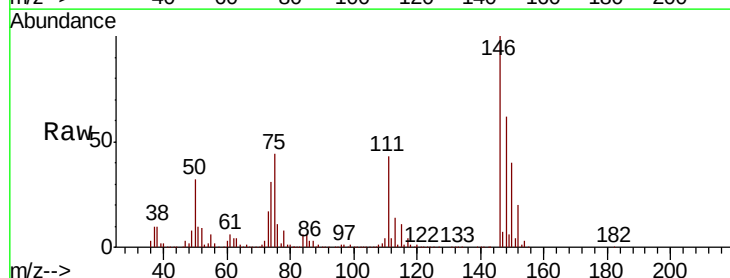
Tgt Ion:146 Resp: 420335

Ion Ratio Lower Upper

146 100

111 43.2 29.9 55.5

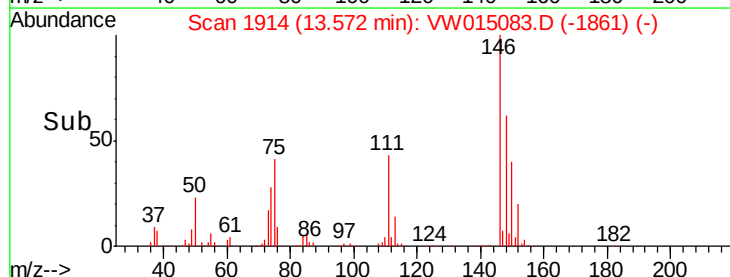
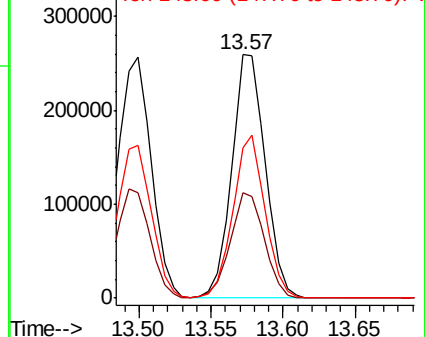
148 61.9 46.1 85.5

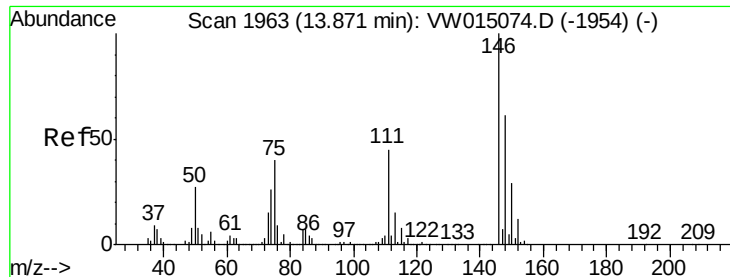


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 23.652 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

ClientSampleId :

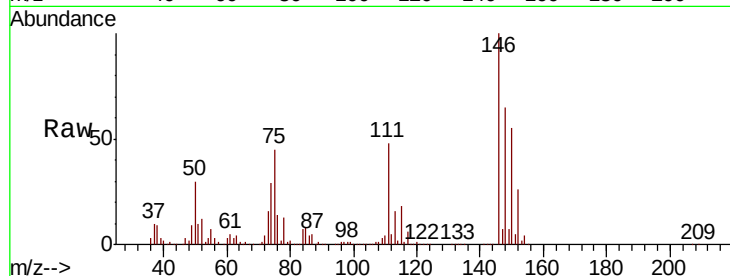
Tot Ion:146 Resp: 374743

Ion Ratio Lower Upper

146 100

111 48.5 37.7 56.5

148 65.1 50.0 75.0

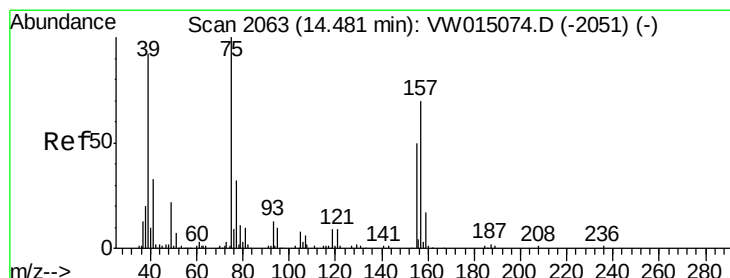
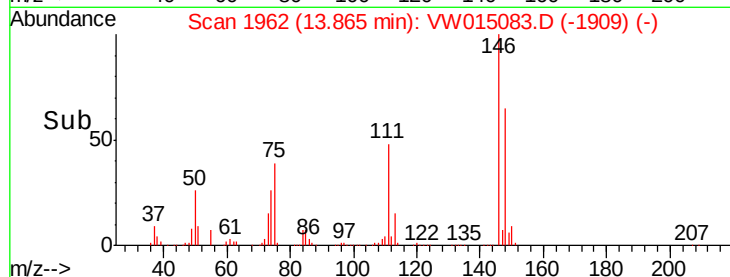
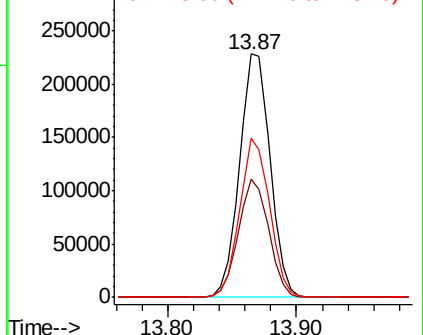


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 22.930 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

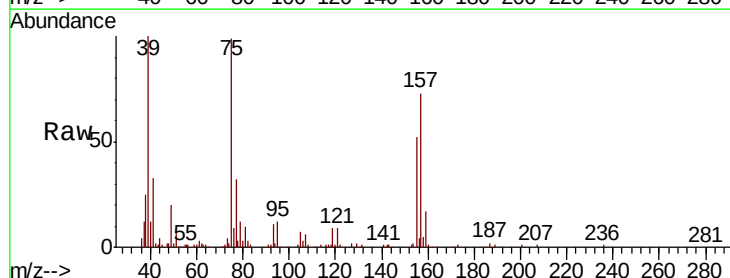
Tgt Ion: 75 Resp: 32074

Ion Ratio Lower Upper

75 100

157 73.9 61.4 92.0

155 52.0 45.0 67.6

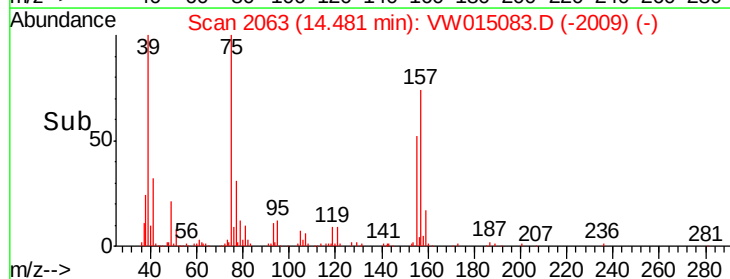
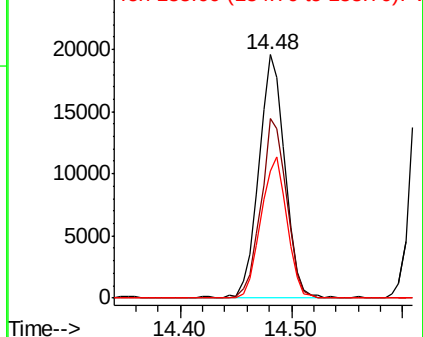


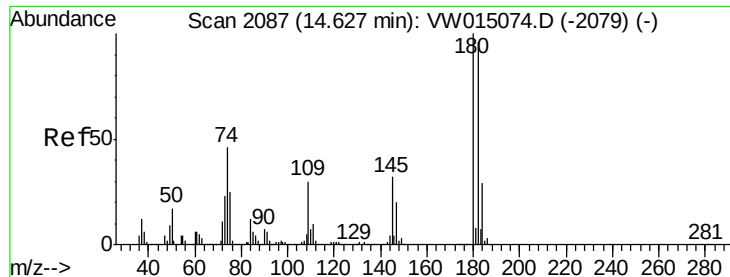
Abundance

Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

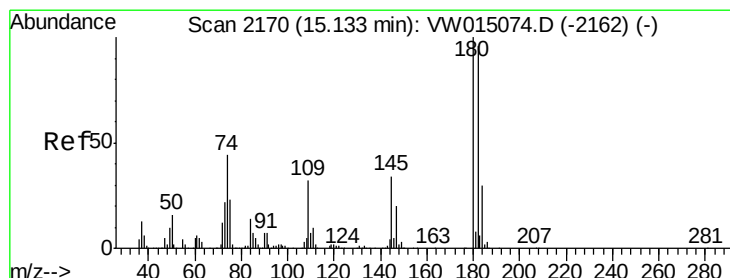
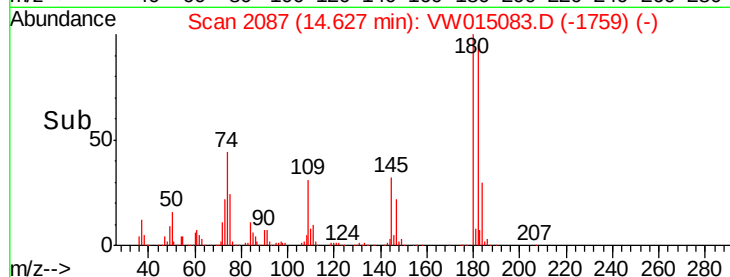
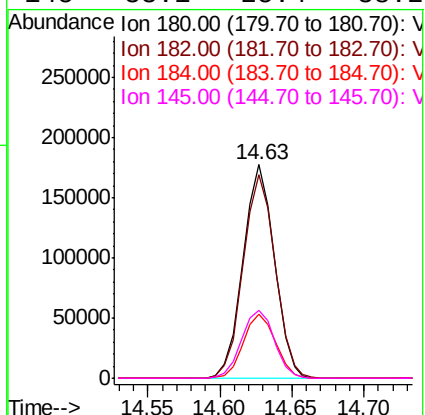
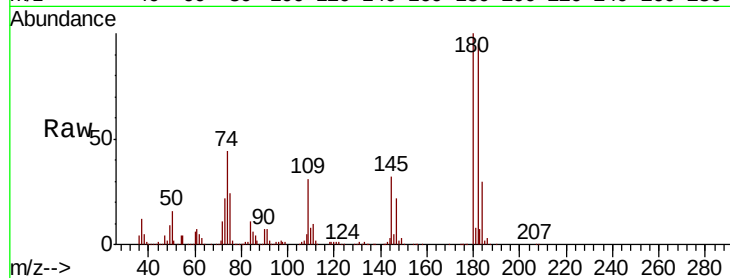




#67
 1,3,5-Trichlorobenzene
 Concen: 22.911 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015083.D
 Acq: 28 Feb 2020 16:34

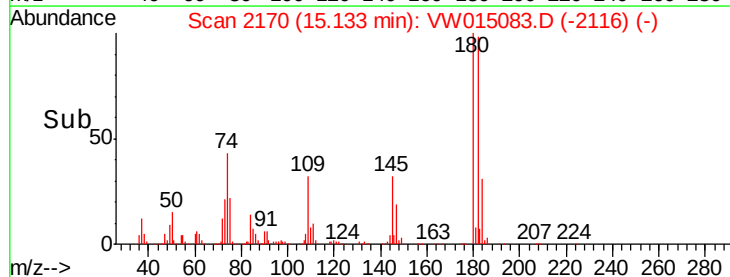
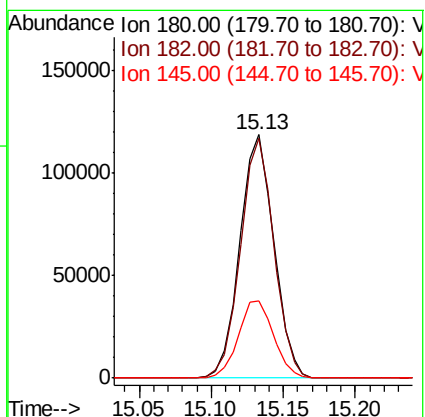
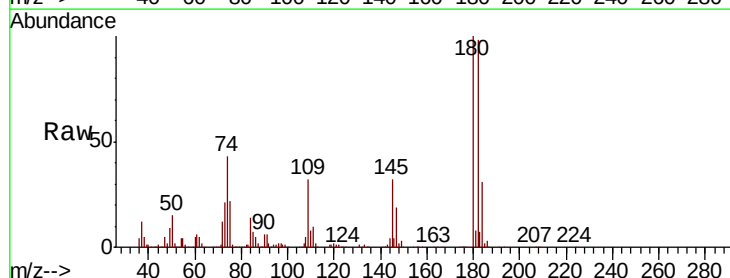
Instrument :
 MSVOA_W
 ClientSampleId :

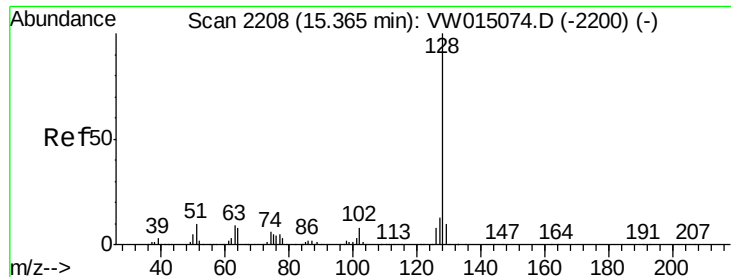
Tot Ion:	180	Resp:	268771
Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.4	113.0
184	30.5	23.9	35.9
145	33.1	25.4	38.2



#68
 1,2,4-trichlorobenzene
 Concen: 22.710 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015083.D
 Acq: 28 Feb 2020 16:34

Tgt Ion:	180	Resp:	194713
Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.7	113.5
145	32.9	25.9	38.9





#69

Naphthalene

Concen: 22.331 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_W

ClientSampleId :

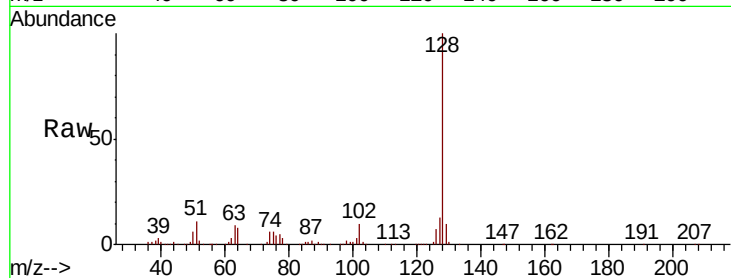
Tot Ion:128 Resp: 169973

Ion Ratio Lower Upper

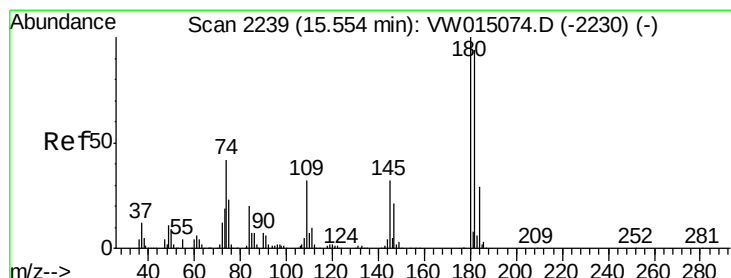
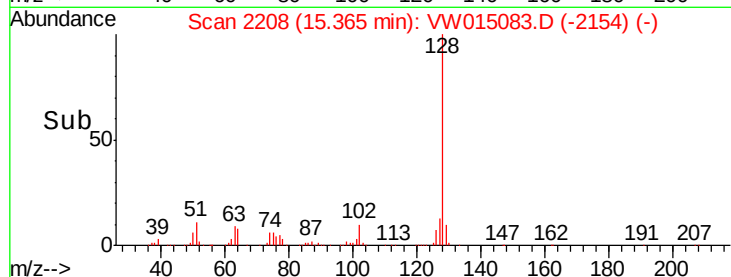
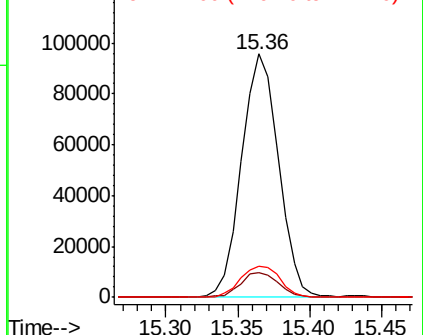
128 100

129 10.7 8.9 13.3

127 13.9 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.523 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015083.D

Acq: 28 Feb 2020 16:34

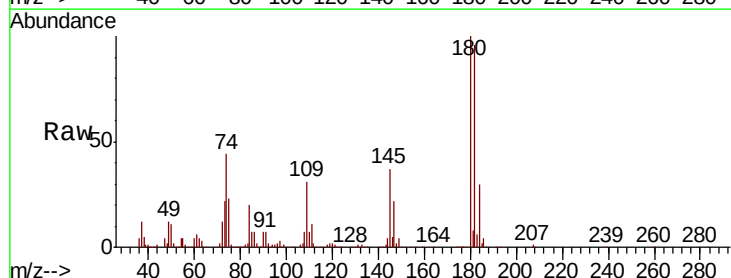
Tgt Ion:180 Resp: 181020

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.6

145 35.5 27.1 40.7



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

