

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\
 Data File : VW016076.D
 Acq On : 07 Aug 2020 15:04
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 08 03:22:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 08 03:18:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	291449	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	270565	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	132361	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	91213	22.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.72%
7) Chloroethane-d5	2.89	69	71288	21.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.36%
10) 1,1-Dichloroethene-d2	4.01	63	189726	22.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.28%
20) 2-Butanone-d5	7.09	46	45709	42.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.62%
24) Chloroform-d	7.65	84	201023	24.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.24%
26) 1,2-Dichloroethane-d4	8.31	65	100675	22.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.64%
29) Benzene-d6	8.27	84	405140	24.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.40%
33) 1,2-Dichloropropane-d6	9.27	67	115072	23.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.24%
37) Toluene-d8	10.32	98	381425	25.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.28%
38) trans-1,3-Dichloropropene-	10.58	79	49895	23.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.84%
39) 2-Hexanone-d5	10.93	63	39383	47.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93168	24.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	134246	26.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	57740	23.413	ug/L 99
3) Chloromethane	2.21	50	58808	19.716	ug/L 99
5) Vinyl chloride	2.36	62	91688	19.930	ug/L 98
6) Bromomethane	2.78	94	57342	20.893	ug/L 98
8) Chloroethane	2.93	64	55453	20.577	ug/L 97
9) Trichlorofluoromethane	3.26	101	73467	23.758	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	100582	26.609	ug/L 93
12) 1,1-Dichloroethene	4.03	96	95264	25.427	ug/L 89
13) Acetone	4.14	43	37895	41.771	ug/L 92
14) Carbon disulfide	4.37	76	247592	20.925	ug/L 99
15) Methyl Acetate	4.68	43	36751	21.485	ug/L 94
16) Methylene chloride	4.91	84	116767	24.450	ug/L 91
17) Methyl tert-butyl Ether	5.43	73	131840	24.885	ug/L 95
18) trans-1,2-Dichloroethene	5.42	96	98426	24.878	ug/L 94
19) 1,1-Dichloroethane	6.21	63	174905	23.990	ug/L 100
21) 2-Butanone	7.18	43	51347	45.770	ug/L 76
22) cis-1,2-Dichloroethene	7.17	96	108538	26.222	ug/L 90

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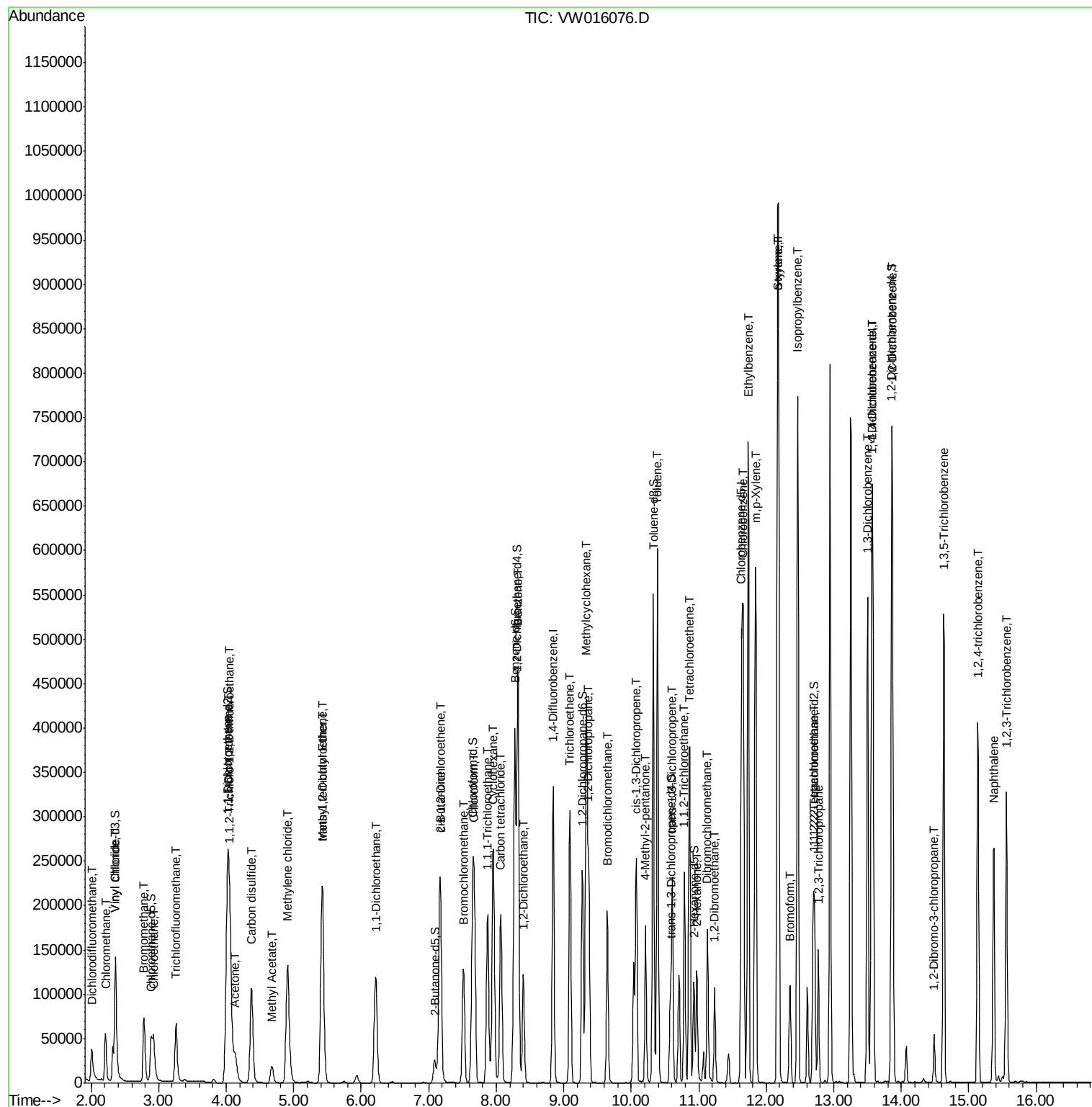
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	49491	27.267	ug/L	87
25) Chloroform	7.68	83	185896	25.727	ug/L	100
27) 1,2-Dichloroethane	8.40	62	111036	22.584	ug/L	97
30) Cyclohexane	7.96	56	150292	22.030	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	159594	25.261	ug/L	96
32) Carbon tetrachloride	8.07	117	149428	26.083	ug/L	100
34) Benzene	8.32	78	407458	24.795	ug/L	100
35) Trichloroethene	9.09	95	107745	24.786	ug/L	93
36) Methylcyclohexane	9.34	83	181376	24.316	ug/L	95
40) 1,2-Dichloropropane	9.37	63	99441	24.427	ug/L	98
41) Bromodichloromethane	9.65	83	133509	25.394	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	153121	24.696	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	108363	45.604	ug/L	94
44) Toluene	10.39	91	446376	25.899	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	133013	24.750	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	76718	26.207	ug/L	98
47) Tetrachloroethene	10.86	164	93418	27.686	ug/L	96
49) 2-Hexanone	10.97	43	74895	44.416	ug/L	94
50) Dibromochloromethane	11.13	129	95005	28.031	ug/L	99
51) 1,2-Dibromoethane	11.24	107	73454	26.229	ug/L	97
52) Chlorobenzene	11.66	112	285728	25.872	ug/L	100
53) Ethylbenzene	11.73	91	501376	25.870	ug/L	100
54) m,p-Xylene	11.84	106	196444	27.092	ug/L	95
55) o-xylene	12.17	106	185095	27.110	ug/L	96
56) Styrene	12.18	104	321055	27.651	ug/L	98
57) Isopropylbenzene	12.46	105	510972	27.492	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	88792	25.830	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	64516	25.049	ug/L	99
62) Bromoform	12.35	173	55221	28.360	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	233803	27.599	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	235394	27.379	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	208874	27.145	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	13949	24.085	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	171317	28.761	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	137011	28.959	ug/L	99
69) Naphthalene	15.37	128	238151	26.719	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	117168	27.794	ug/L	95

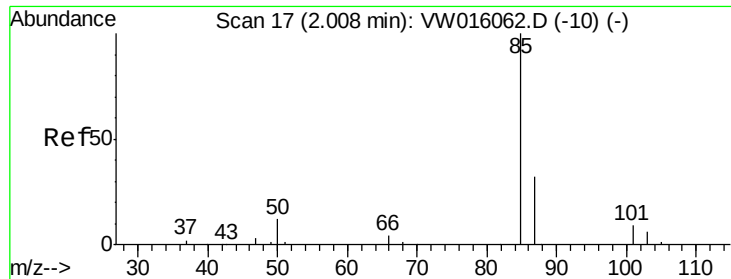
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.413 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

Instrument :

MSVOA_W

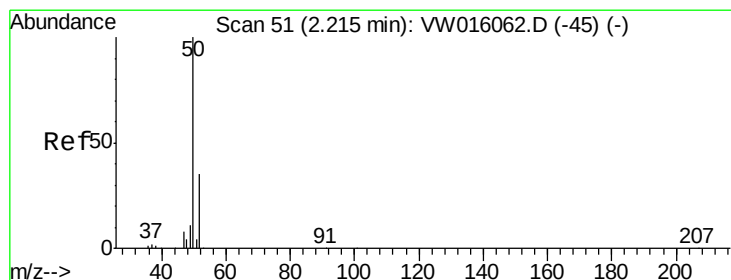
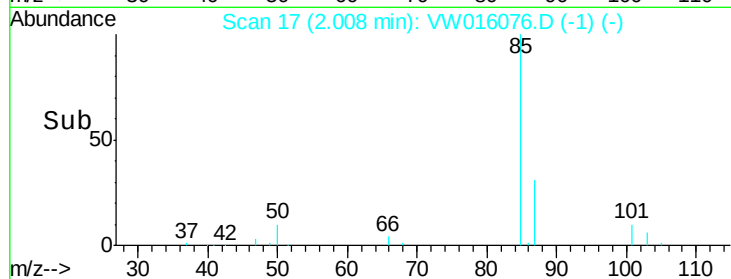
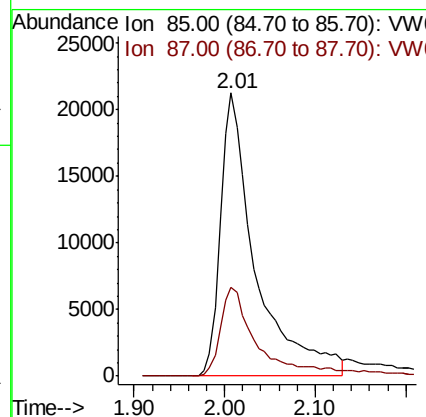
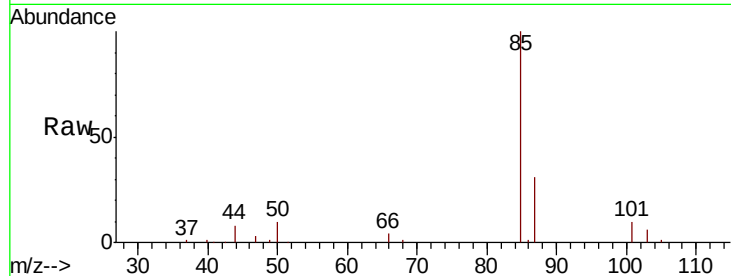
ClientSampleId :

Tot Ion: 85 Resp: 57740

Ion Ratio Lower Upper

85 100

87 29.3 21.0 39.0



#3

Chloromethane

Concen: 19.716 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016076.D

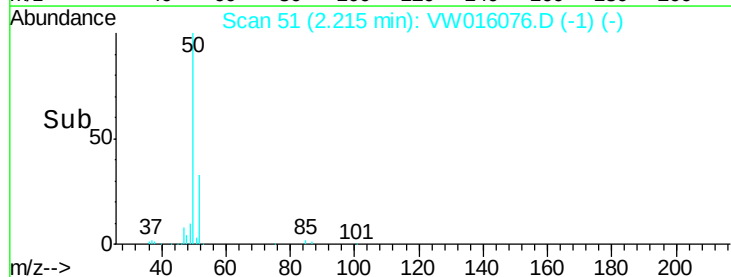
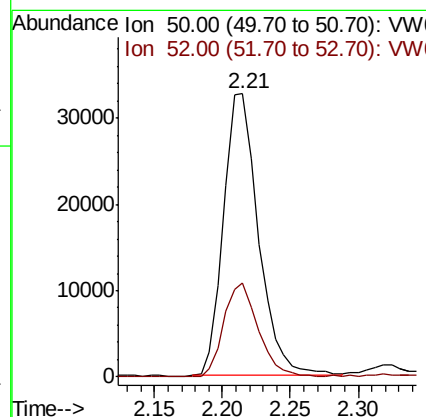
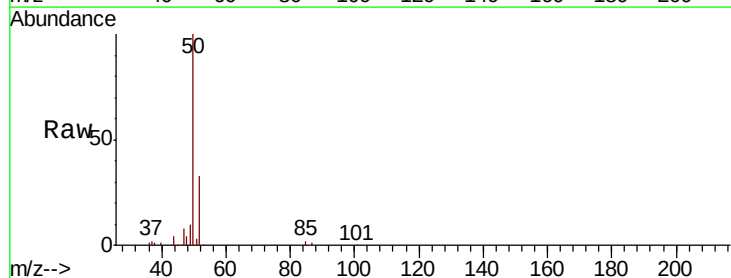
Acq: 07 Aug 2020 15:04

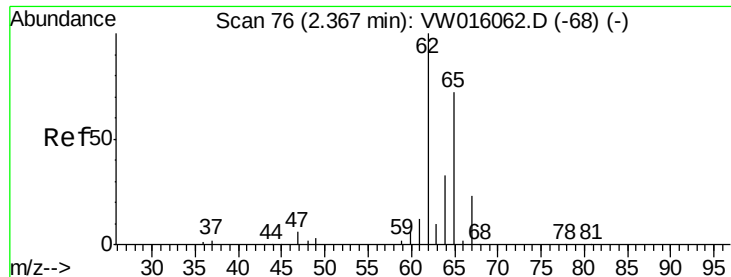
Tgt Ion: 50 Resp: 58808

Ion Ratio Lower Upper

50 100

52 33.1 22.8 42.4





#5

Vinyl chloride

Concen: 19.930 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

Instrument :

MSVOA_W

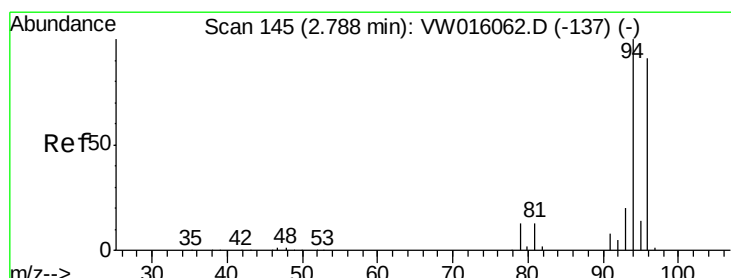
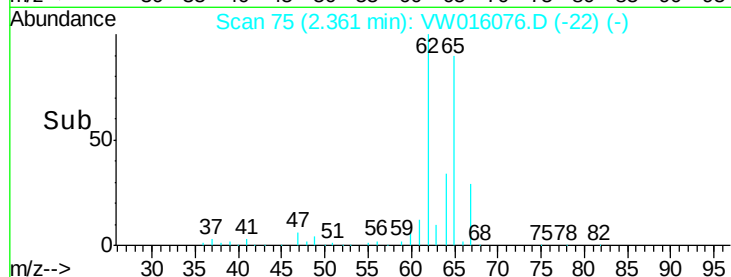
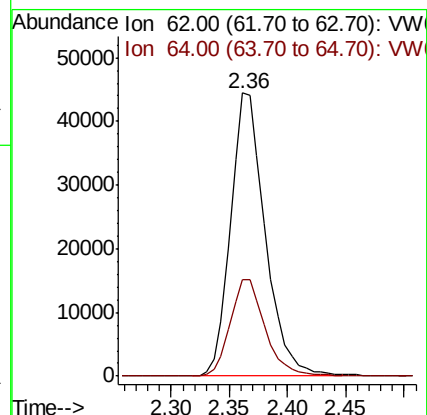
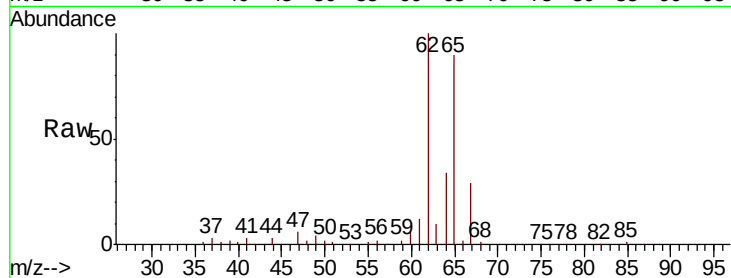
ClientSampled :

Tot Ion: 62 Resp: 91688

Ion Ratio Lower Upper

62 100

64 34.0 23.2 43.0



#6

Bromomethane

Concen: 20.893 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016076.D

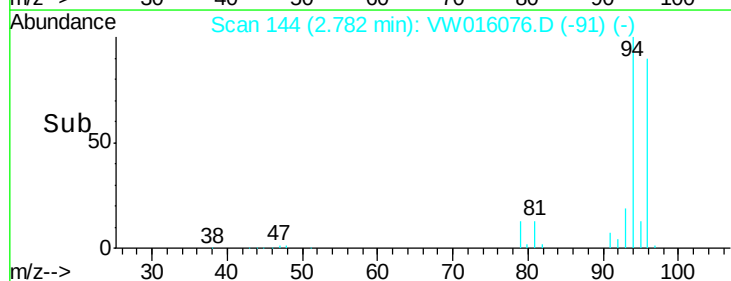
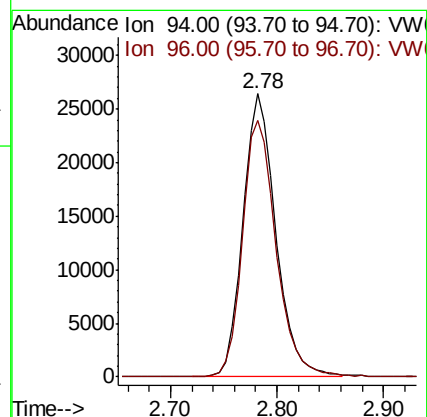
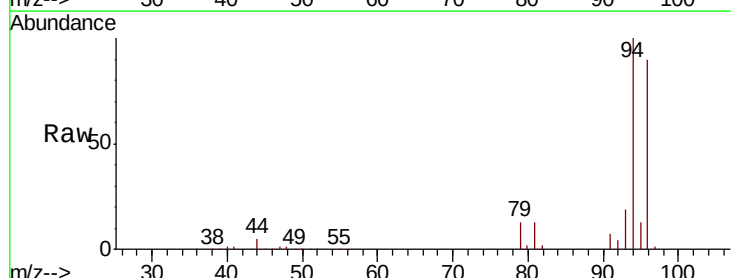
Acq: 07 Aug 2020 15:04

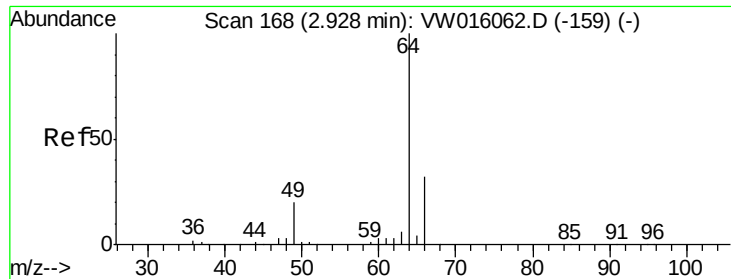
Tgt Ion: 94 Resp: 57342

Ion Ratio Lower Upper

94 100

96 93.0 9.5 180.1





#8

Chloroethane

Concen: 20.577 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

Instrument :

MSVOA_W

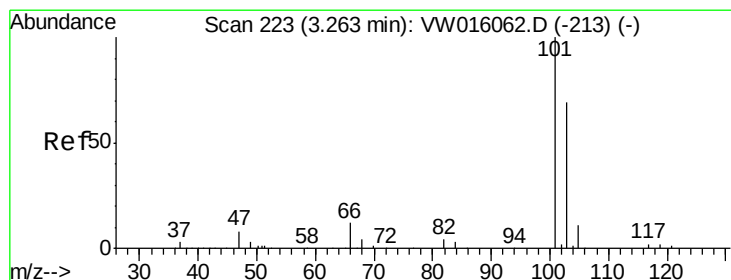
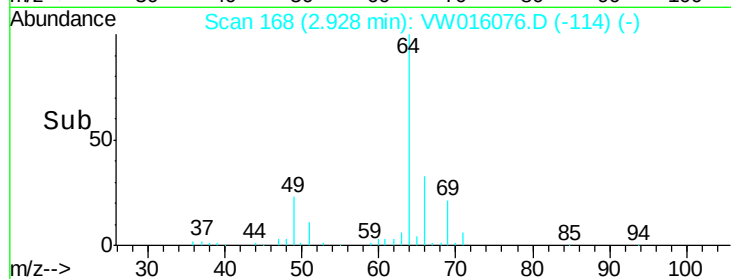
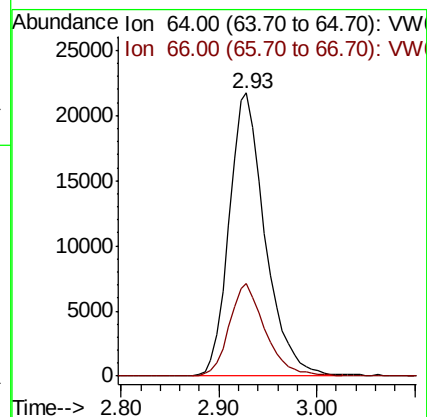
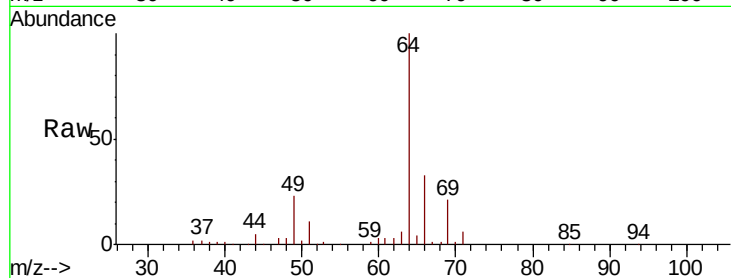
ClientSampleId :

Tot Ion: 64 Resp: 55453

Ion Ratio Lower Upper

64 100

66 32.9 21.8 40.4



#9

Trichlorofluoromethane

Concen: 23.758 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW016076.D

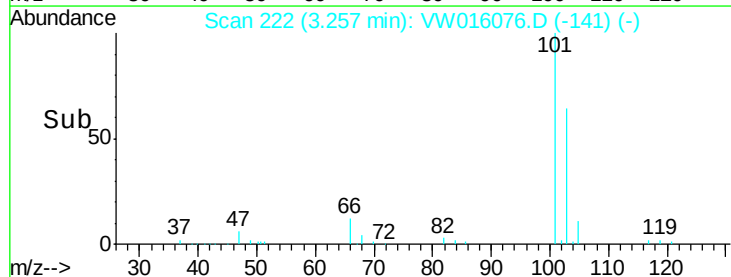
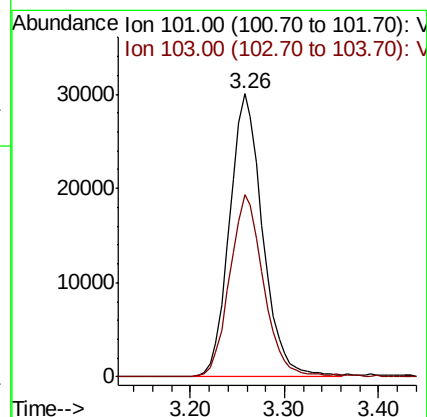
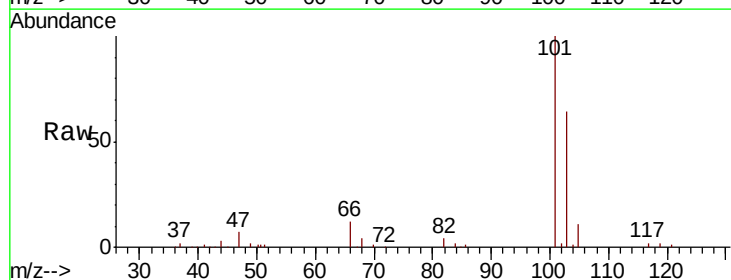
Acq: 07 Aug 2020 15:04

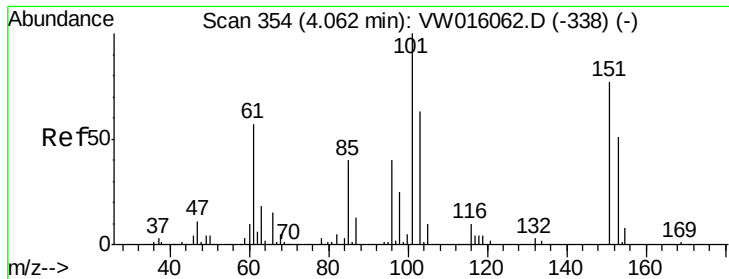
Tgt Ion:101 Resp: 73467

Ion Ratio Lower Upper

101 100

103 65.4 45.8 85.2





#11

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

Concen: 26.609 ug/L

RT: 4.06 min Scan# 353

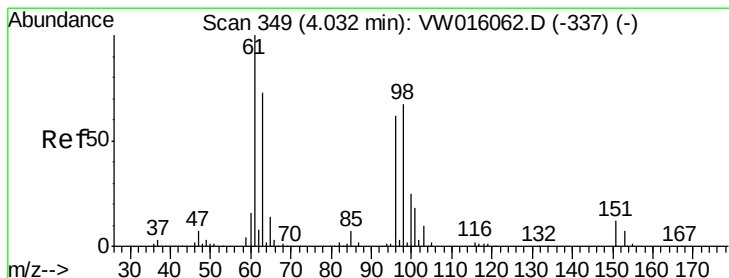
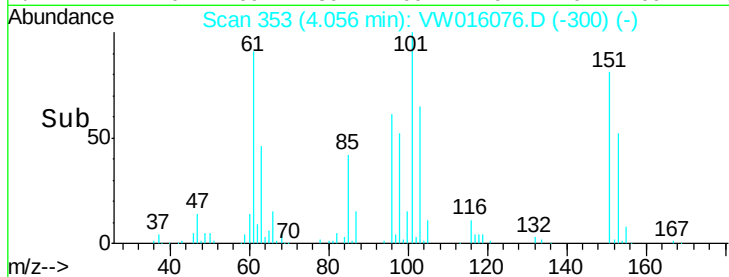
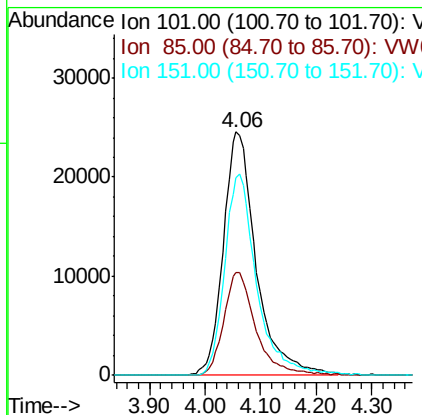
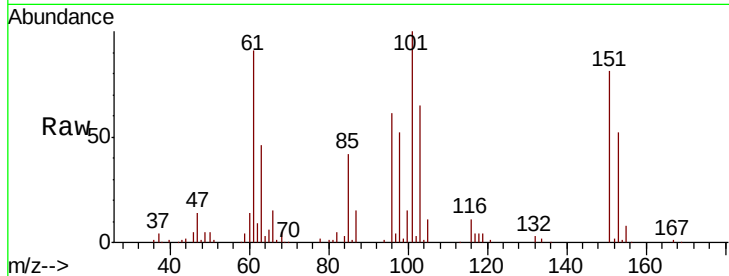
Delta R.T. -0.01 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	101	Resp:	100582
Ion	Ratio	Lower	Upper
101	100		
85	40.8	35.5	53.3
151	79.7	58.4	87.6



#12

1,1-Dichloroethene

Concen: 25.427 ug/L

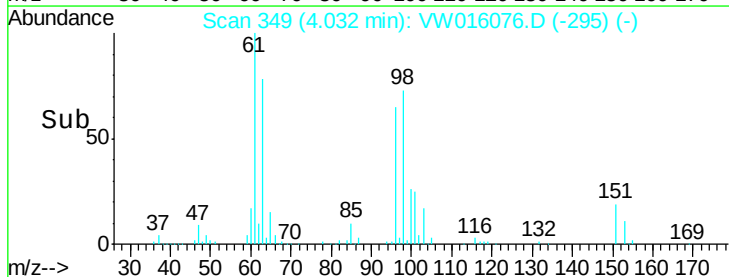
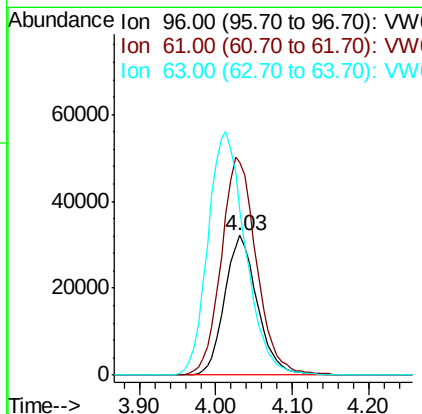
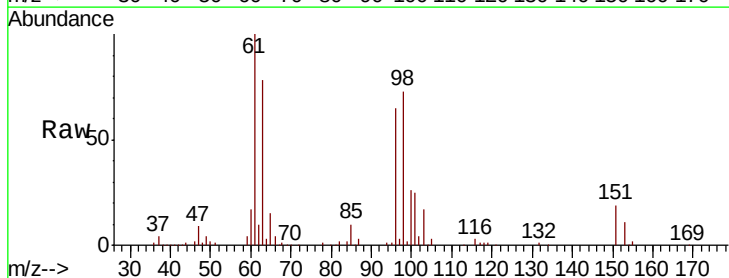
RT: 4.03 min Scan# 349

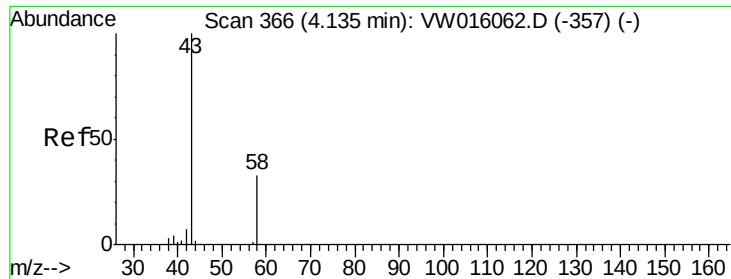
Delta R.T. 0.00 min

Lab File: VW016076.D

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Tgt Ion:	96	Resp:	95264
Ion	Ratio	Lower	Upper
96	100		
61	153.2	125.0	232.2
63	118.9	82.3	152.8

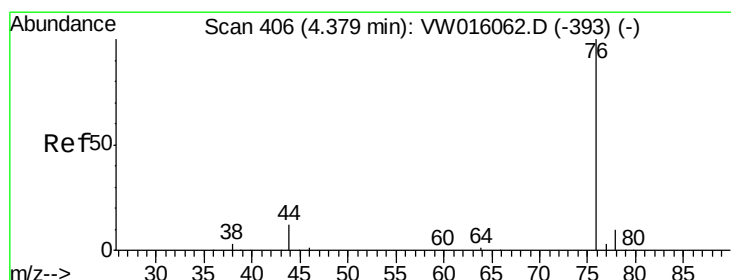
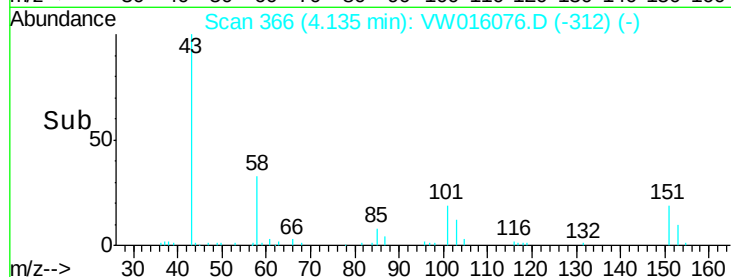
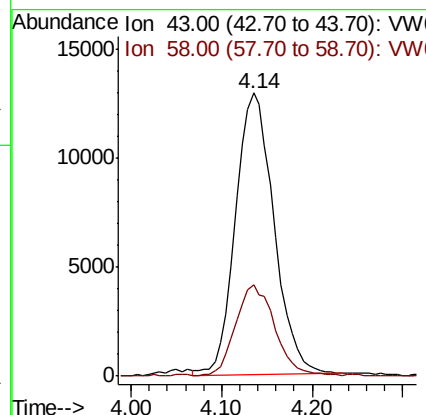
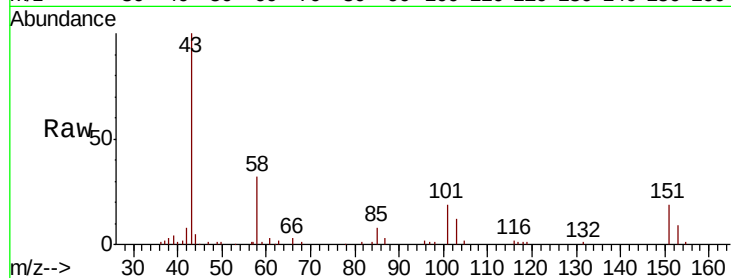




#13
Acetone
Concen: 41.771 ug/L
RT: 4.14 min Scan# 366
Delta R.T. 0.00 min
Lab File: VW016076.D
Acq: 07 Aug 2020 15:04

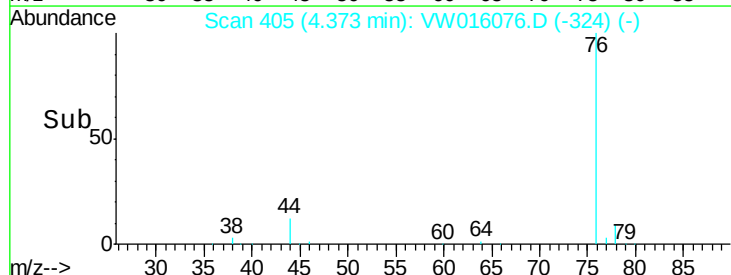
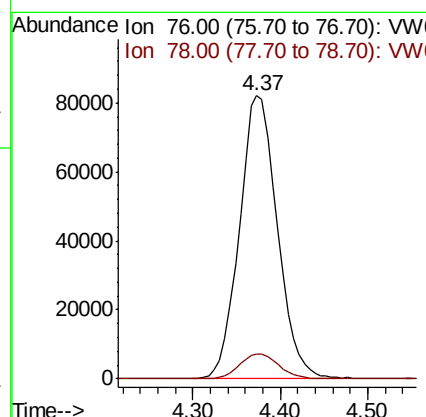
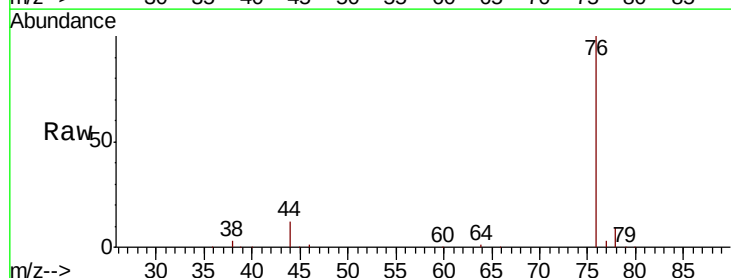
Instrument :
MSVOA_W
ClientSampled :

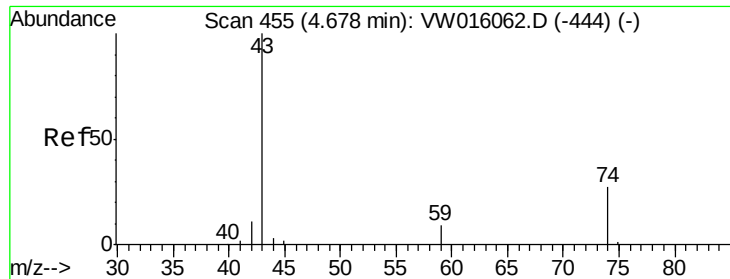
Tot Ion: 43 Resp: 37895
Ion Ratio Lower Upper
43 100
58 33.3 0.0 58.2



#14
Carbon disulfide
Concen: 20.925 ug/L
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW016076.D
Acq: 07 Aug 2020 15:04

Tgt Ion: 76 Resp: 247592
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8

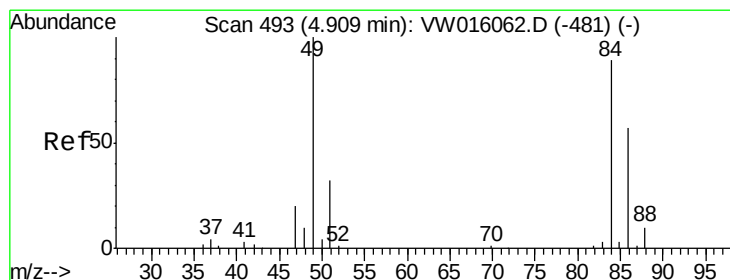
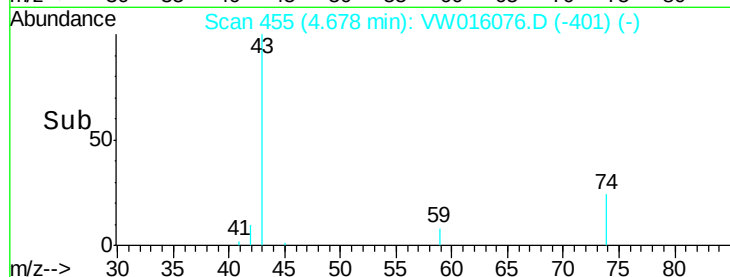
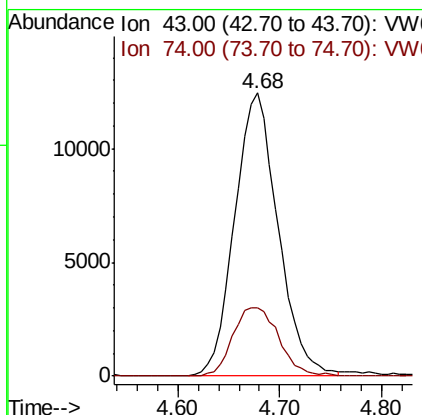
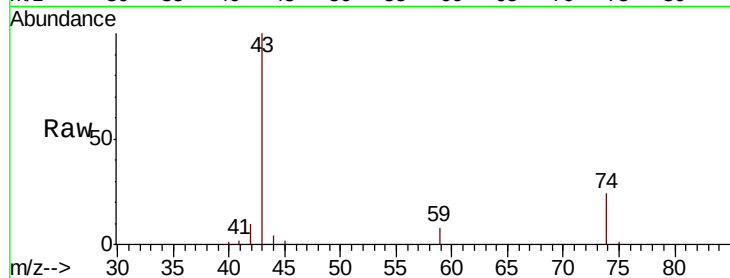




#15
Methvl Acetate
Concen: 21.485 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW016076.D
Acq: 07 Aug 2020 15:04

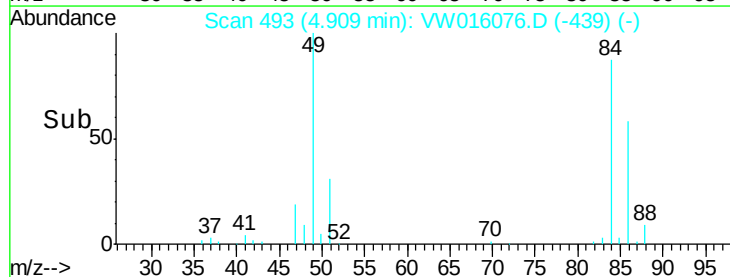
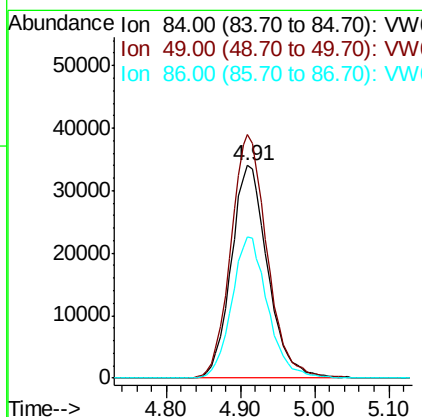
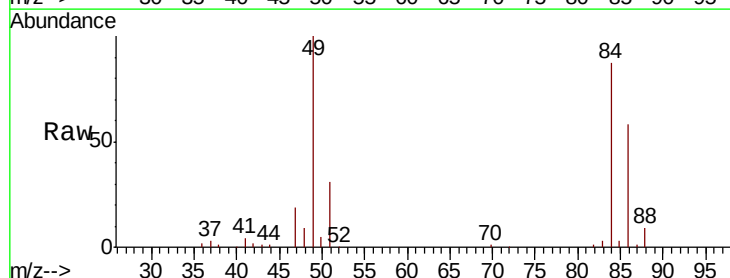
Instrument :
MSVOA_W
ClientSampled :

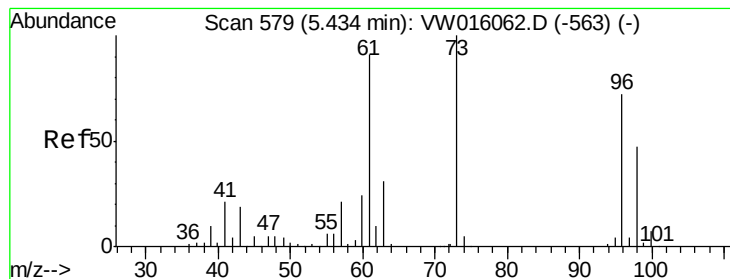
Tot Ion: 43 Resp: 36751
Ion Ratio Lower Upper
43 100
74 25.7 18.2 27.2



#16
Methylene chloride
Concen: 24.450 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW016076.D
Acq: 07 Aug 2020 15:04

Tgt Ion: 84 Resp: 116767
Ion Ratio Lower Upper
84 100
49 114.7 91.1 169.1
86 66.5 46.0 85.4



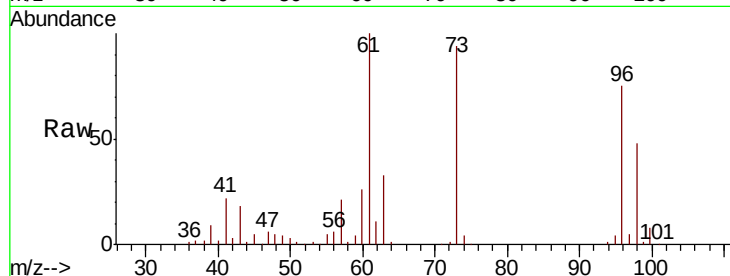


#17

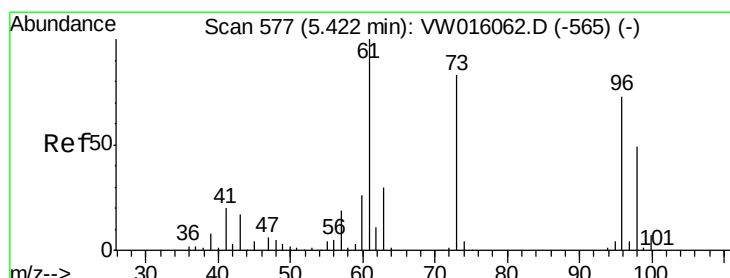
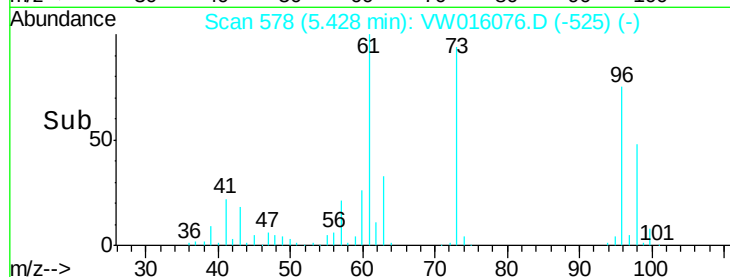
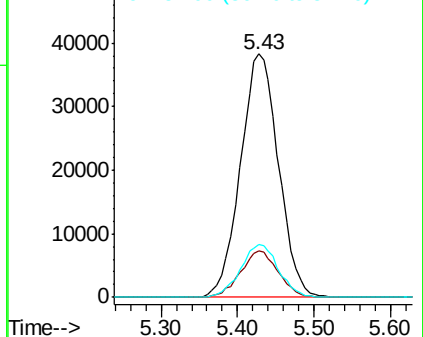
Methyl tert-butyl Ether
 Concen: 24.885 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 73 Resp: 131840
 Ion Ratio Lower Upper
 73 100
 43 19.0 18.4 27.6
 57 21.6 17.8 26.8



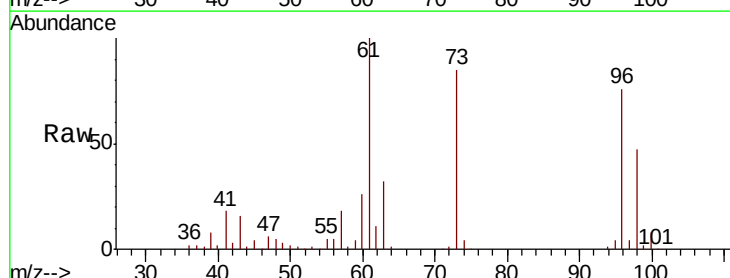
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



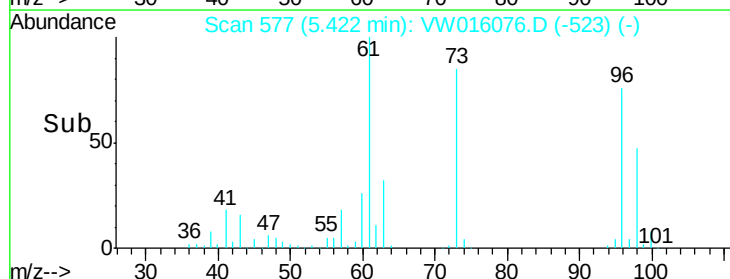
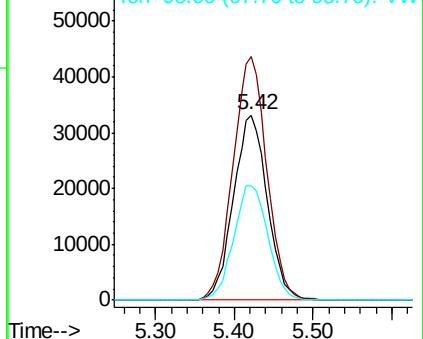
#18

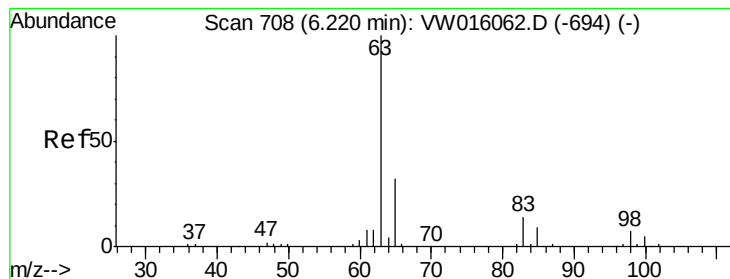
trans-1,2-Dichloroethene
 Concen: 24.878 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

Tgt Ion: 96 Resp: 98426
 Ion Ratio Lower Upper
 96 100
 61 131.7 99.3 184.5
 98 61.7 42.9 79.7



Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 23.990 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

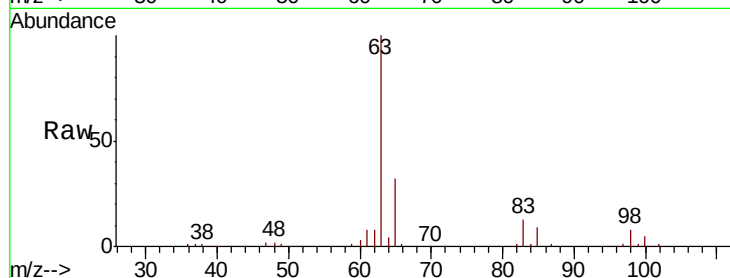
Tot Ion: 63 Resp: 174905

Ion Ratio Lower Upper

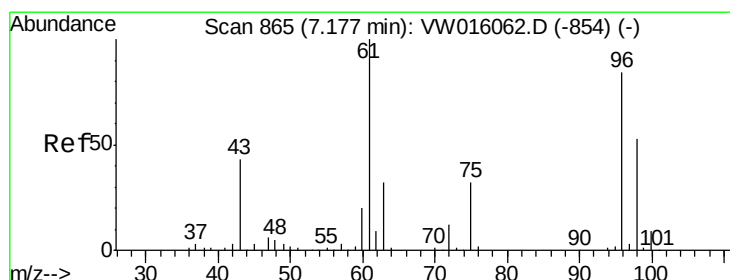
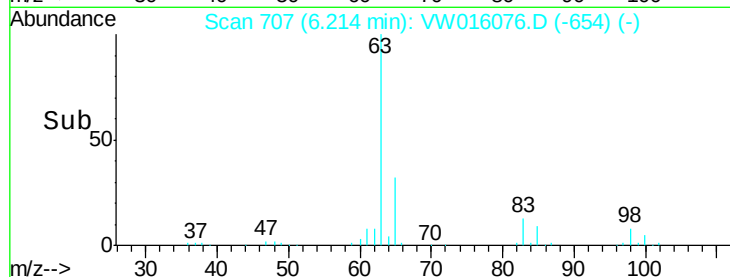
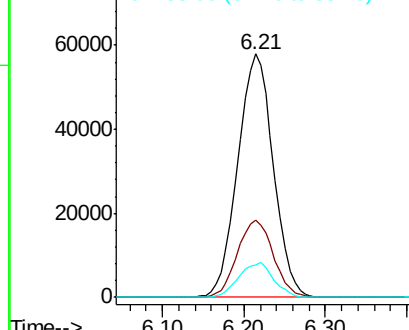
63 100

65 31.7 22.2 41.2

83 13.4 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 45.770 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016076.D

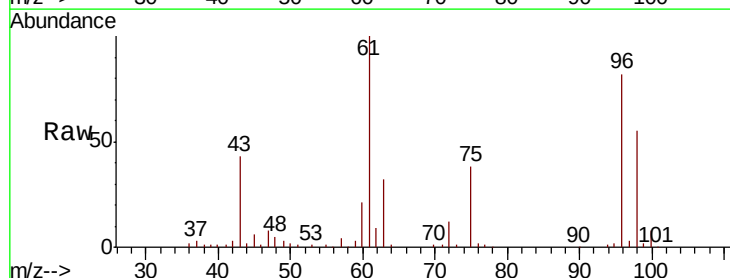
Acq: 07 Aug 2020 15:04

Tgt Ion: 43 Resp: 51347

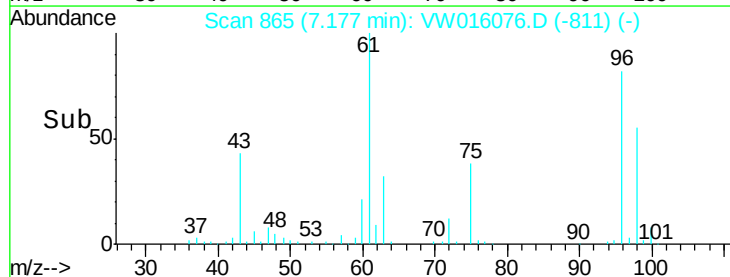
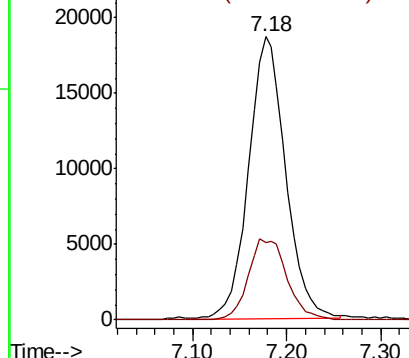
Ion Ratio Lower Upper

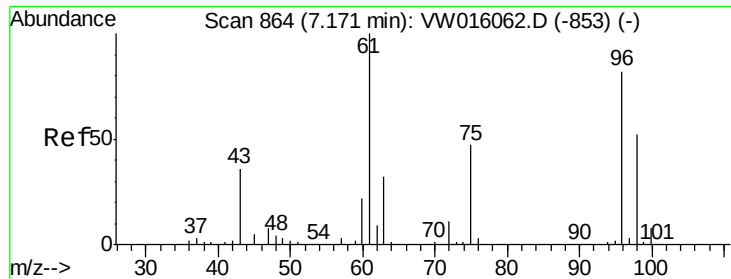
43 100

72 15.0 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



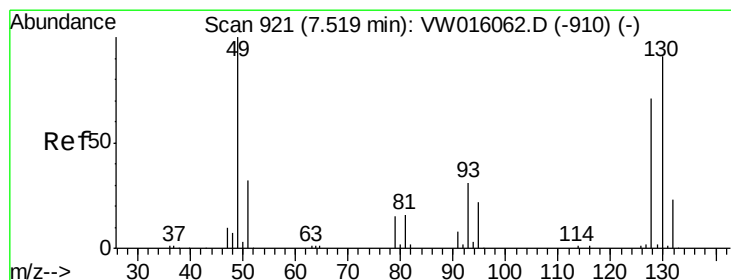
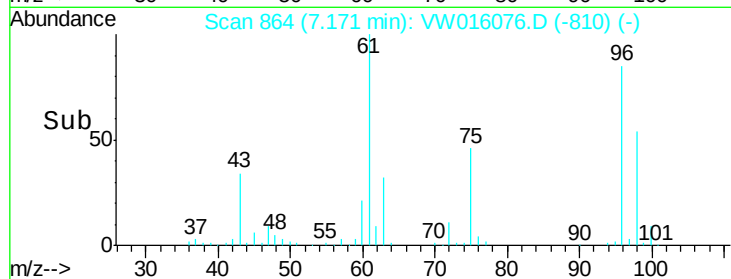
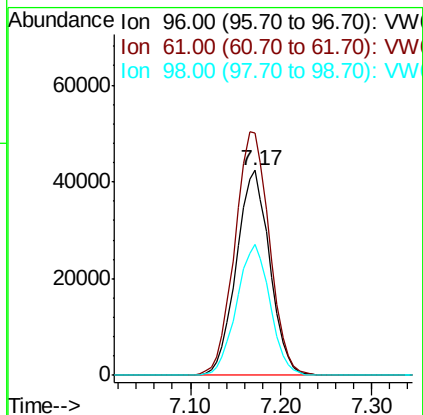
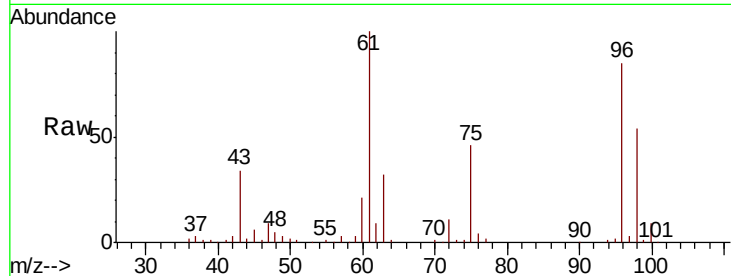


#22

cis-1,2-Dichloroethene
Concen: 26.222 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016076.D
Acq: 07 Aug 2020 15:04

Instrument :
MSVOA_W
ClientSampleId :

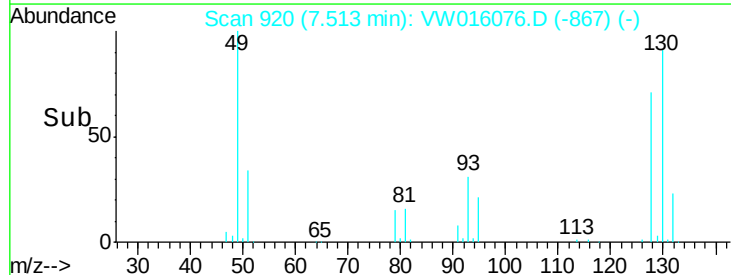
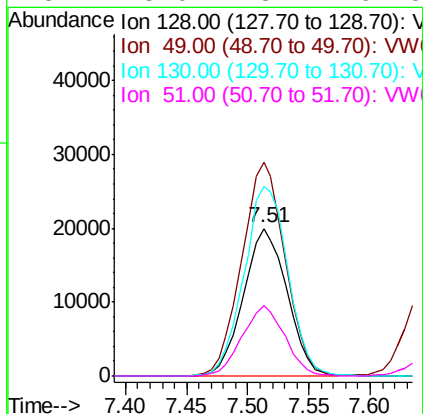
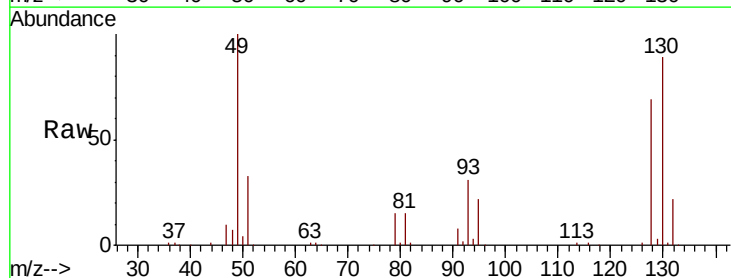
Tot Ion: 96 Resp: 108538
Ion Ratio Lower Upper
96 100
61 118.3 94.6 175.8
98 63.7 44.3 82.3

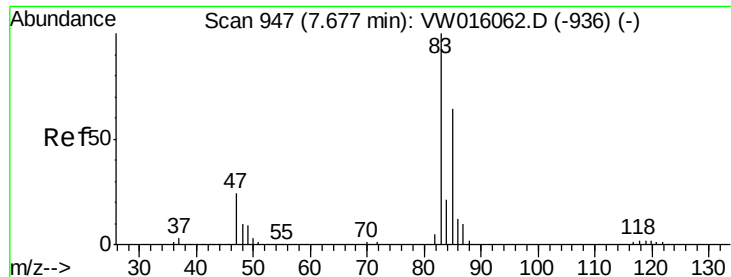


#23

Bromochloromethane
Concen: 27.267 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW016076.D
Acq: 07 Aug 2020 15:04

Tgt Ion: 128 Resp: 49491
Ion Ratio Lower Upper
128 100
49 144.6 122.4 227.2
130 128.6 93.9 174.5
51 48.0 43.2 64.8

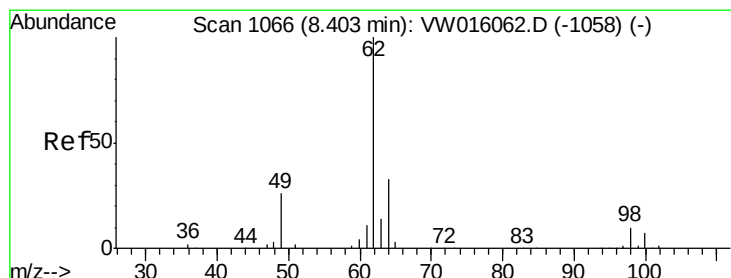
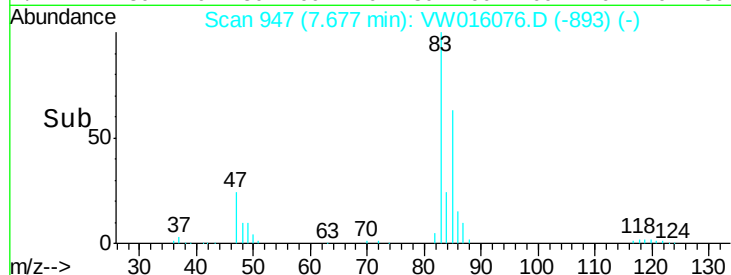
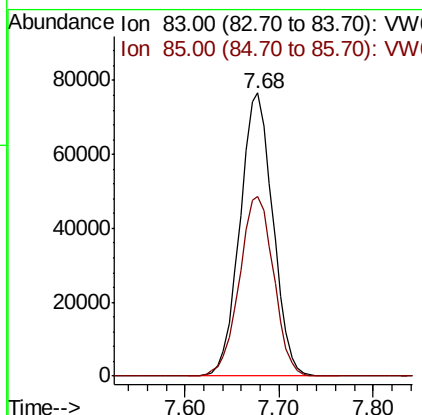
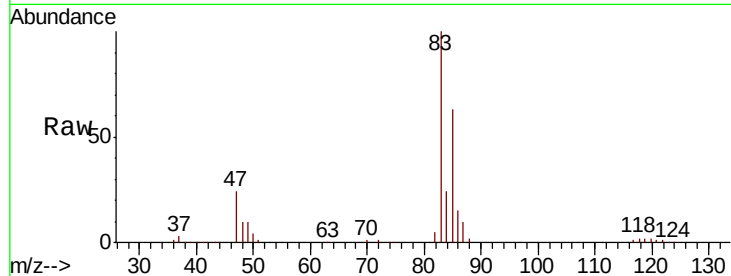




#25
Chloroform
Concen: 25.727 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016076.D
Acq: 07 Aug 2020 15:04

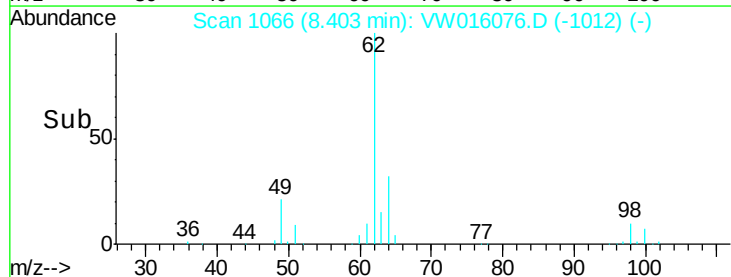
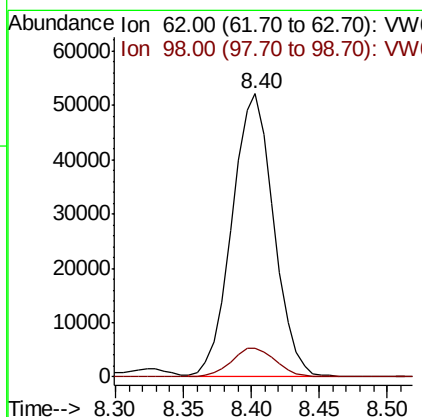
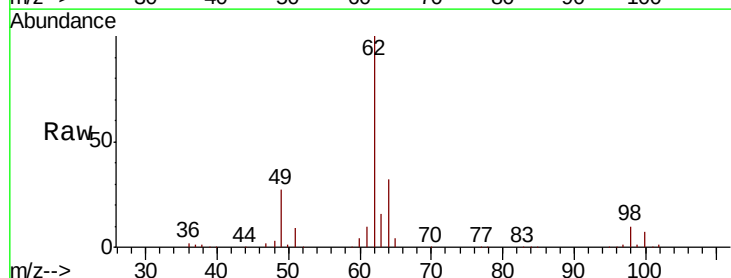
Instrument :
MSVOA_W
ClientSampled :

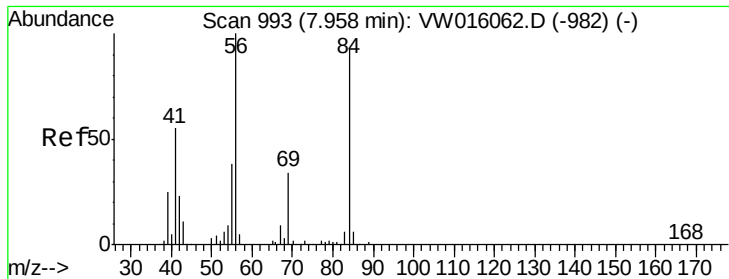
Tot Ion: 83 Resp: 185896
Ion Ratio Lower Upper
83 100
85 66.2 46.5 86.5



#27
1,2-Dichloroethane
Concen: 22.584 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016076.D
Acq: 07 Aug 2020 15:04

Tgt Ion: 62 Resp: 111036
Ion Ratio Lower Upper
62 100
98 10.1 7.0 10.6

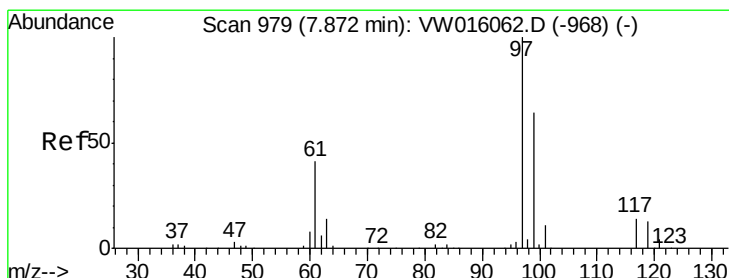
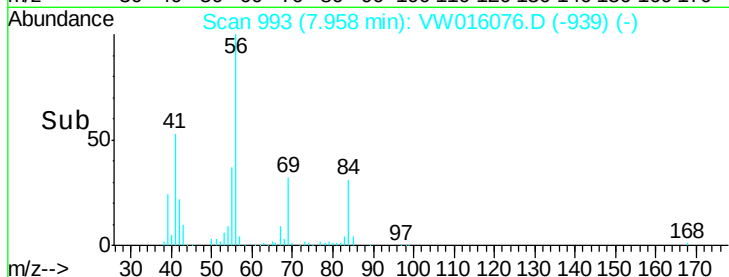
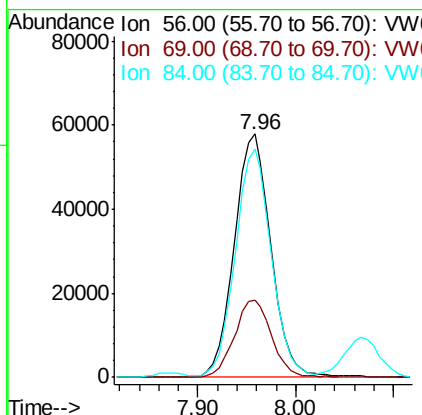
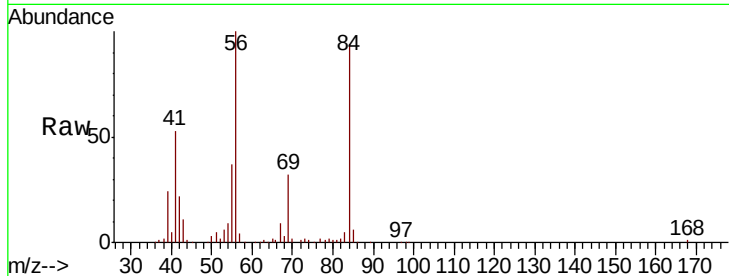




#30
Cyclohexane
Concen: 22.030 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016076.D
Acq: 07 Aug 2020 15:04

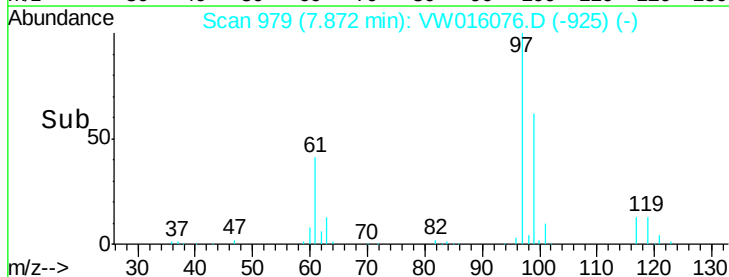
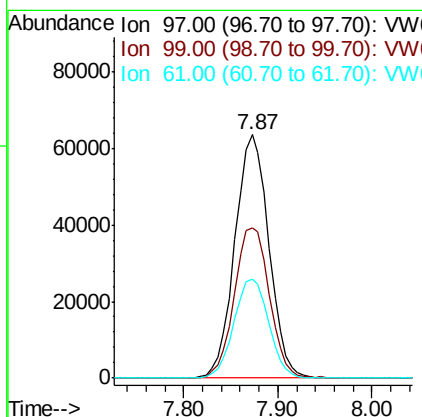
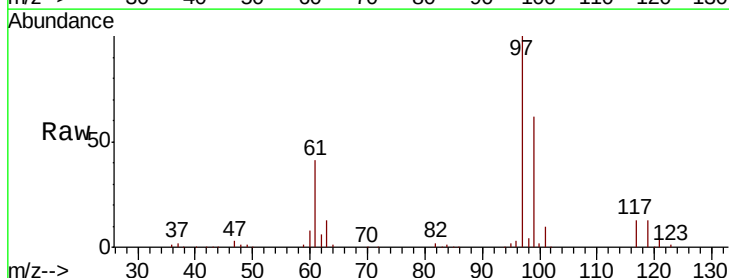
Instrument :
MSVOA_W
ClientSampleId :

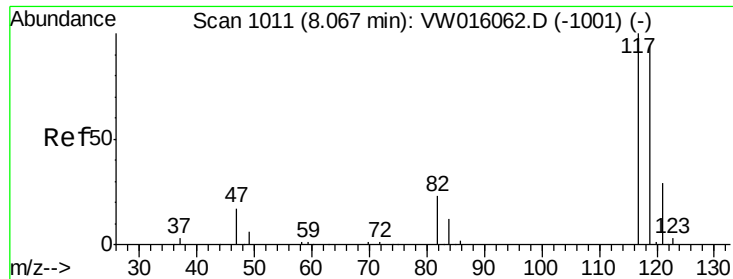
Tot Ion	56	Resp	150292
Ion Ratio	Lower	Upper	
56	100		
69	31.9	24.4	36.6
84	92.1	69.3	103.9



#31
1,1,1-Trichloroethane
Concen: 25.261 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW016076.D
Acq: 07 Aug 2020 15:04

Tgt Ion	97	Resp	159594
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.9	77.9
61	41.8	37.6	56.4





#32

Carbon tetrachloride

Concen: 26.083 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

Instrument :

MSVOA_W

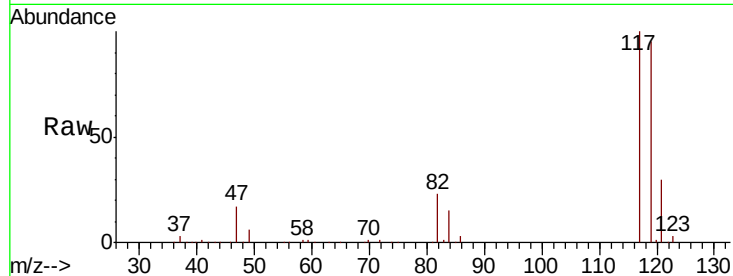
ClientSampleId :

Tot Ion:117 Resp: 149428

Ion Ratio Lower Upper

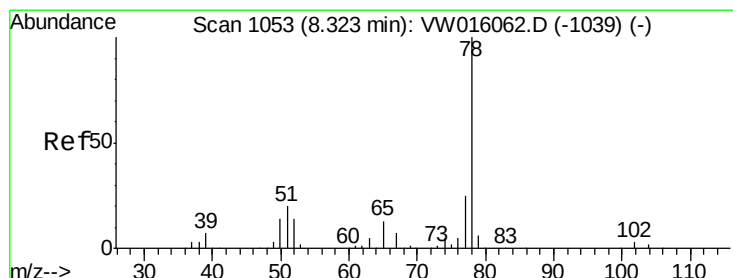
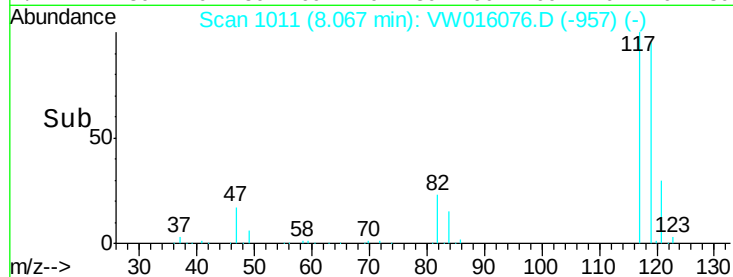
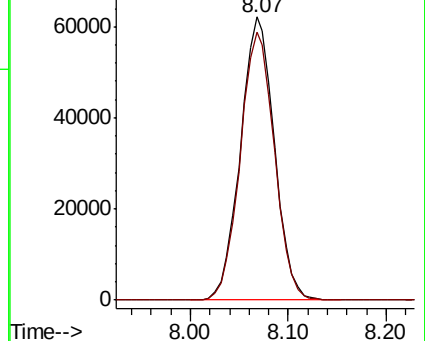
117 100

119 95.3 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.795 ug/L

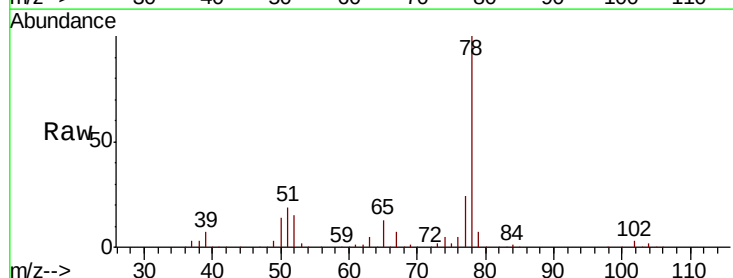
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

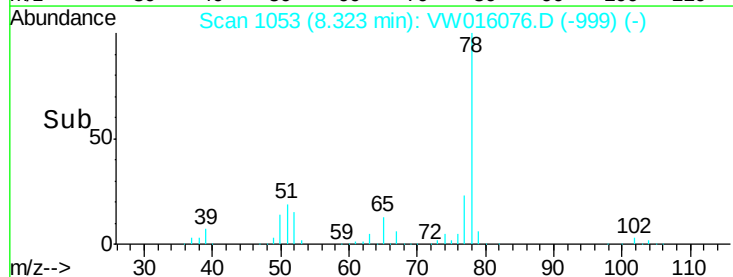
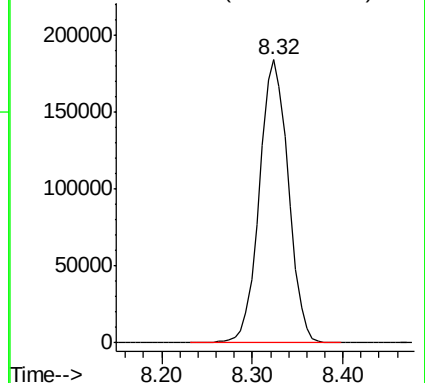
Lab File: VW016076.D

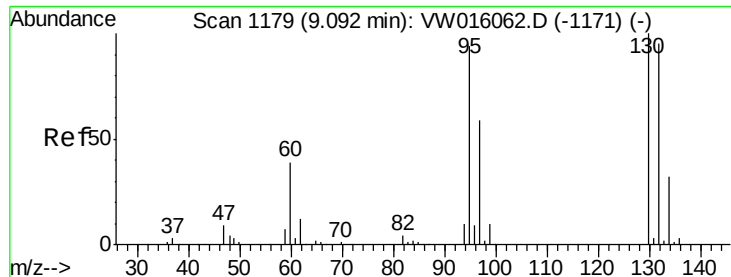
Acq: 07 Aug 2020 15:04

Tgt Ion: 78 Resp: 407458



Abundance Ion 78.00 (77.70 to 78.70): VW

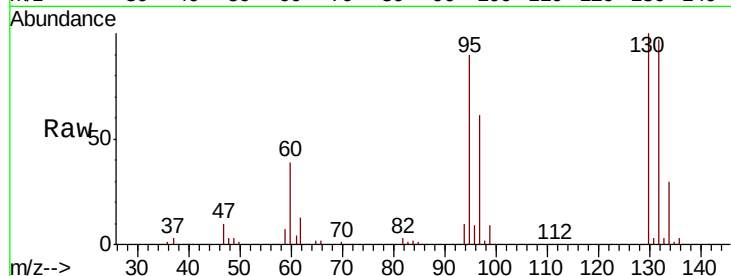




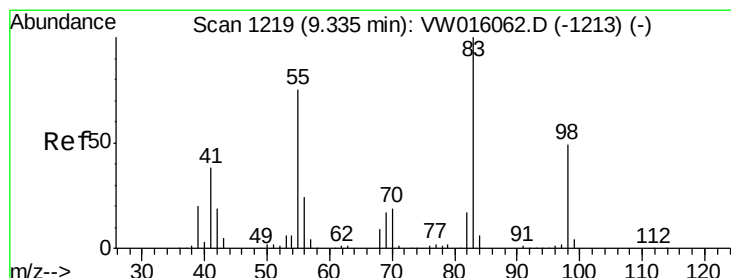
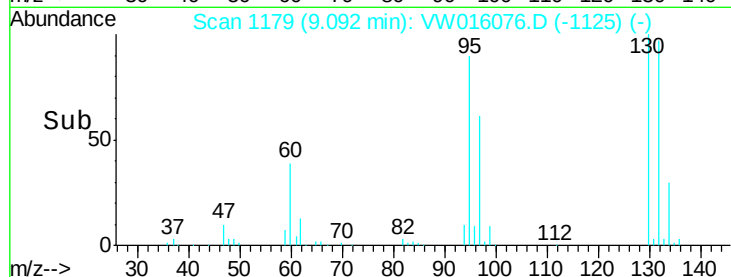
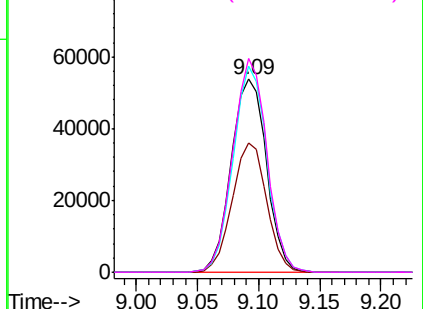
#35
 Trichloroethene
 Concen: 24.786 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 107745
 Ion Ratio Lower Upper
 95 100
 97 65.3 44.4 82.4
 132 102.2 65.1 120.9
 130 106.6 68.6 127.4

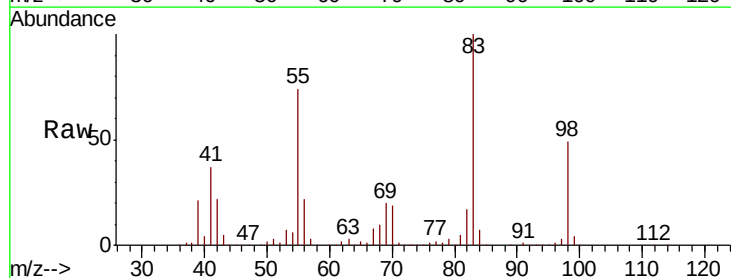


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

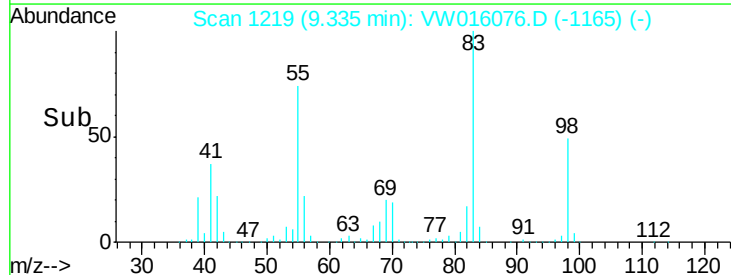
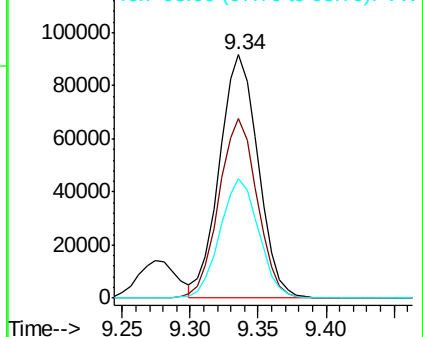


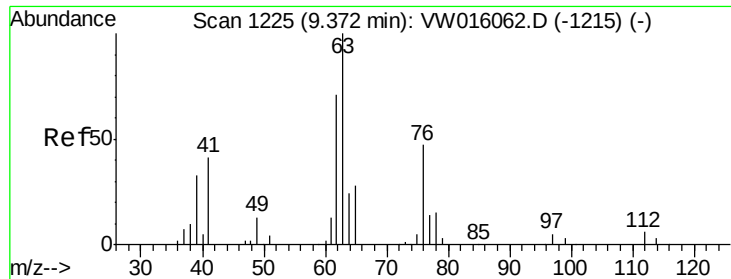
#36
 Methylcyclohexane
 Concen: 24.316 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

Tgt Ion: 83 Resp: 181376
 Ion Ratio Lower Upper
 83 100
 55 73.4 63.5 95.3
 98 49.6 39.0 58.4



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

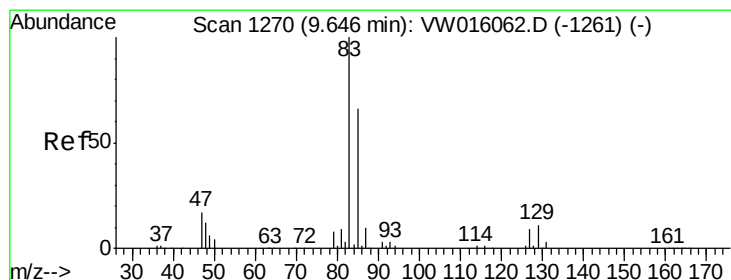
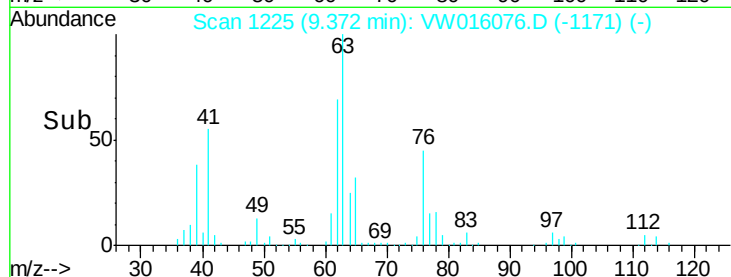
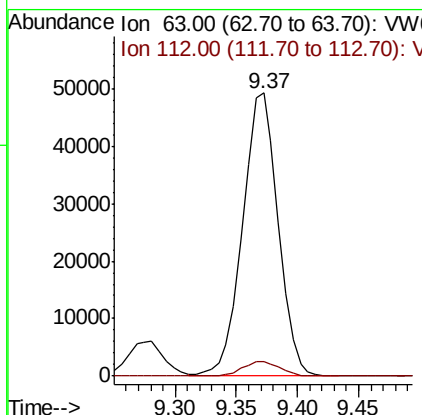
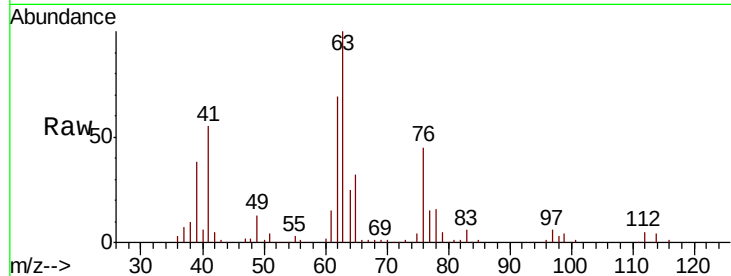




#40
 1,2-Dichloropropane
 Concen: 24.427 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

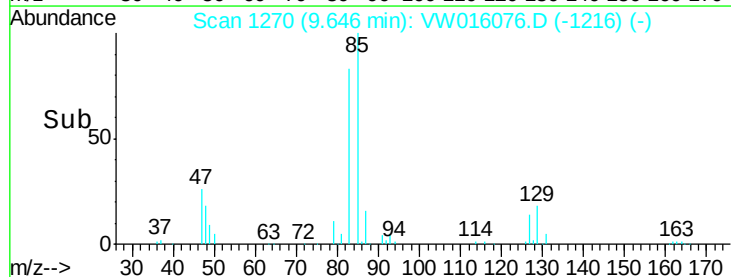
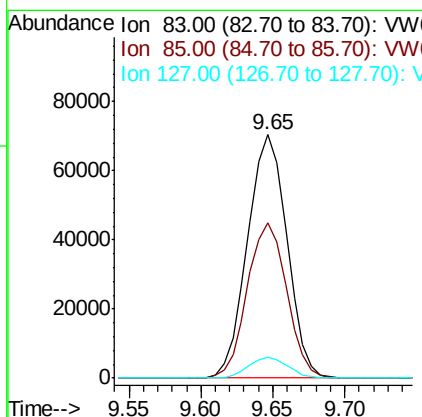
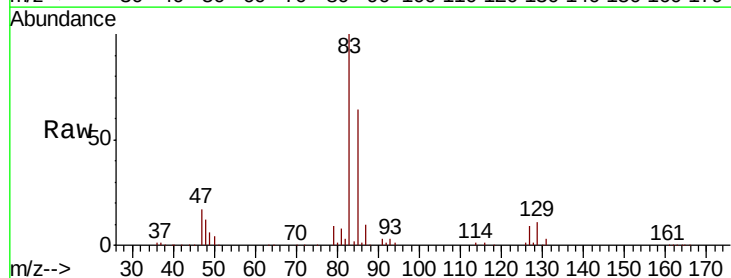
Instrument :
 MSVOA_W
 ClientSampled :

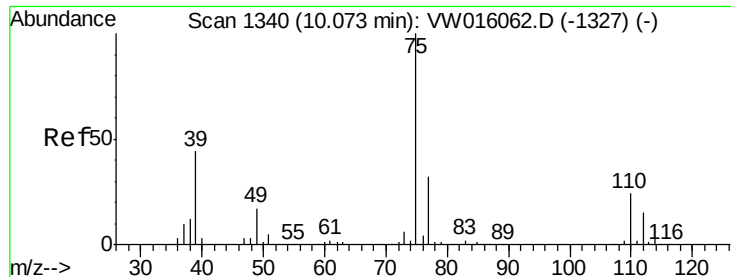
Tot Ion: 63 Resp: 99441
 Ion Ratio Lower Upper
 63 100
 112 5.4 3.7 5.5



#41
 Bromodichloromethane
 Concen: 25.394 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

Tgt Ion: 83 Resp: 133509
 Ion Ratio Lower Upper
 83 100
 85 63.8 43.7 81.1
 127 8.8 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 24.696 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

Instrument :

MSVOA_W

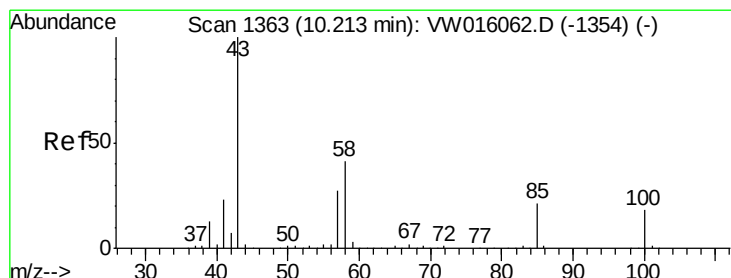
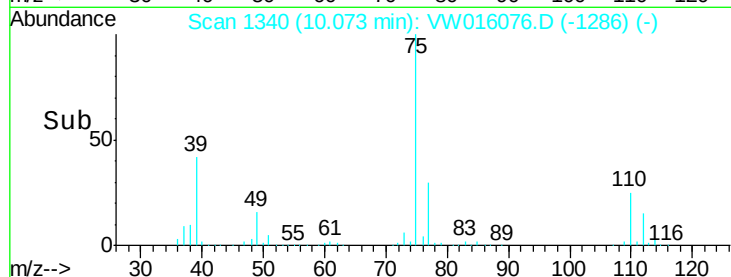
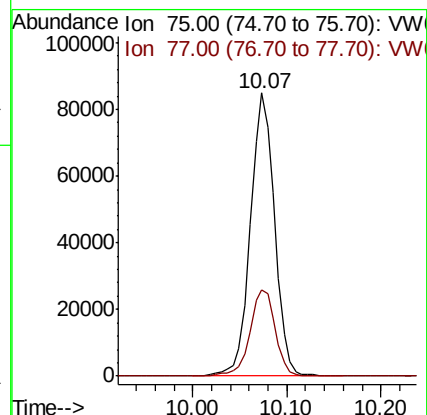
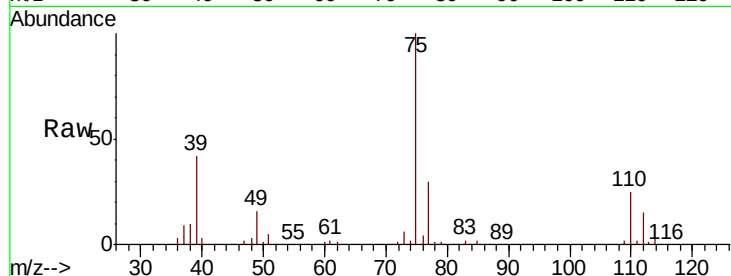
ClientSampleId :

Tot Ion: 75 Resp: 153121

Ion Ratio Lower Upper

75 100

77 30.4 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 45.604 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

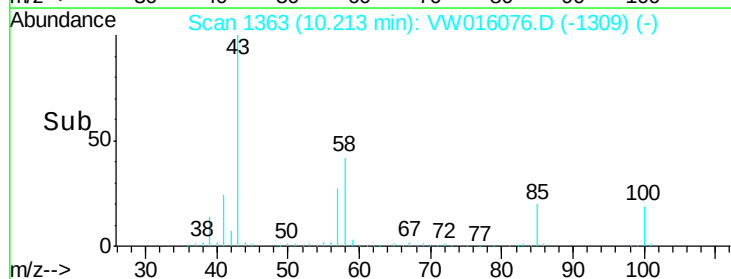
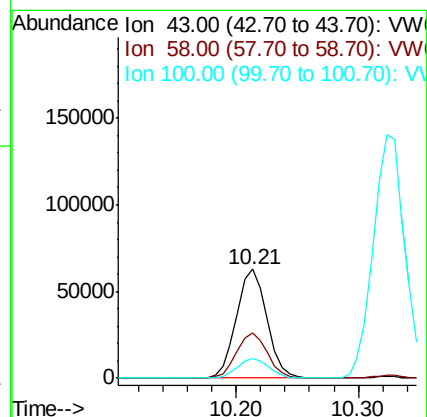
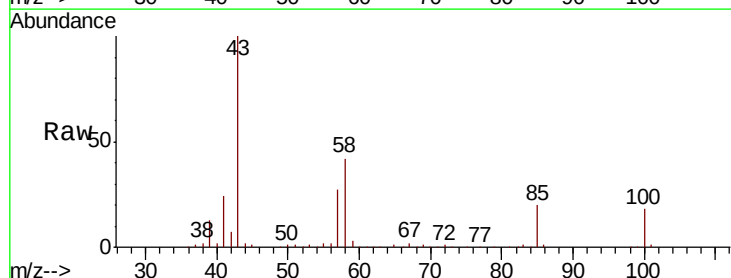
Tgt Ion: 43 Resp: 108363

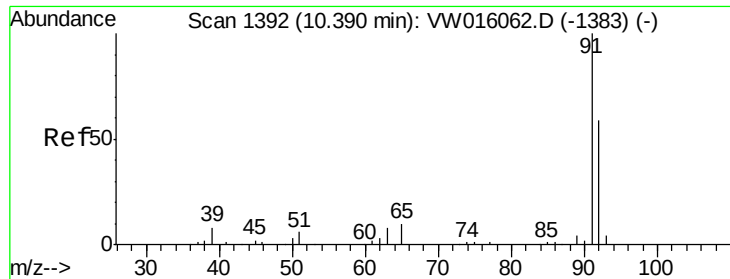
Ion Ratio Lower Upper

43 100

58 42.0 31.0 46.4

100 18.8 12.6 19.0





#44

Toluene

Concen: 25.899 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

Instrument :

MSVOA_W

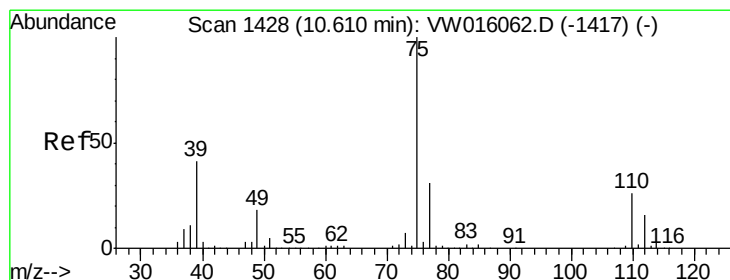
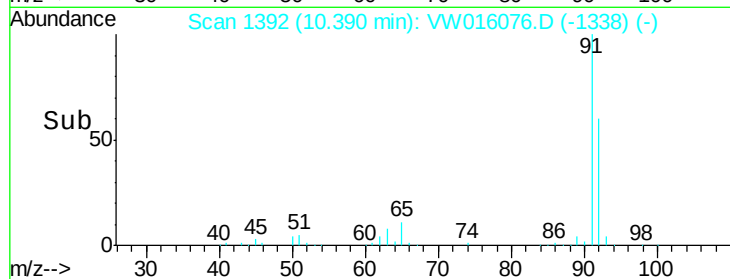
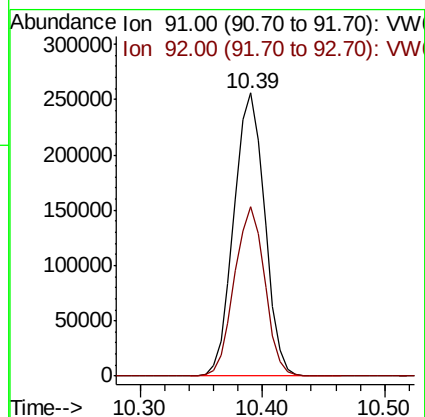
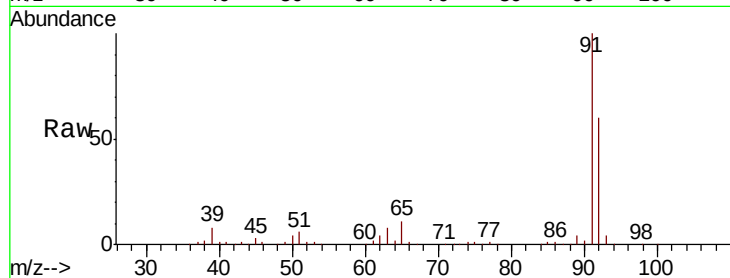
ClientSampled :

Tot Ion: 91 Resp: 446376

Ion Ratio Lower Upper

91 100

92 59.9 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 24.750 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016076.D

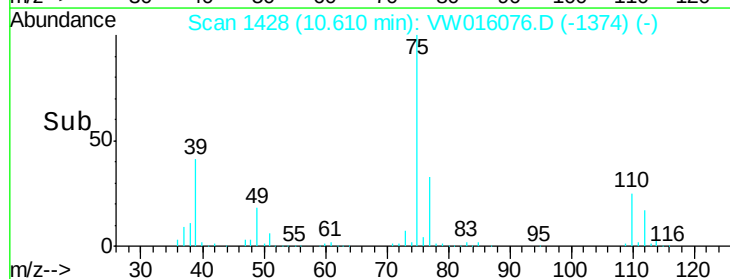
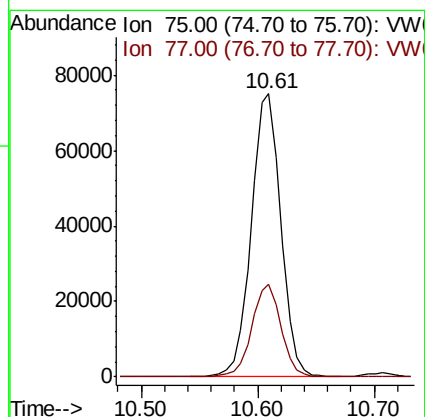
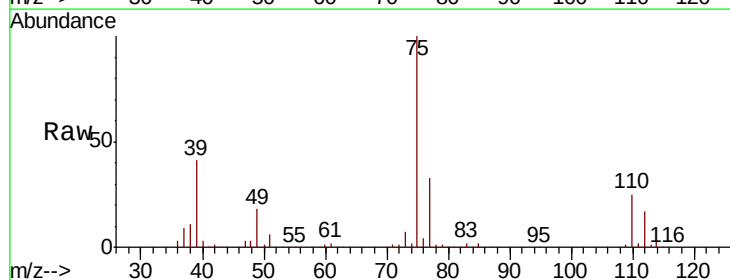
Acq: 07 Aug 2020 15:04

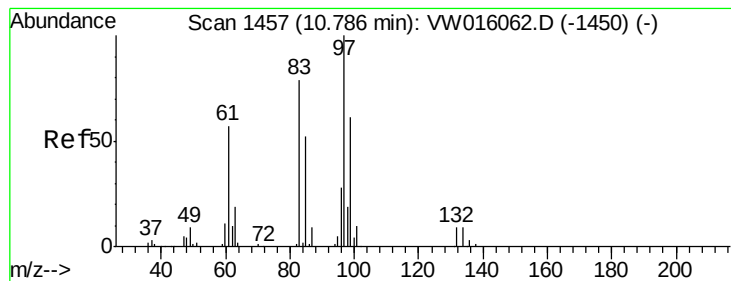
Tgt Ion: 75 Resp: 133013

Ion Ratio Lower Upper

75 100

77 32.7 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 26.207 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 76718

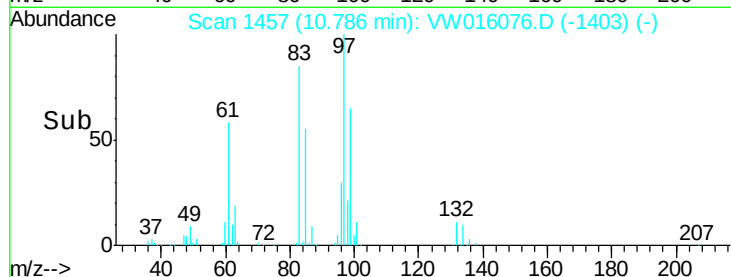
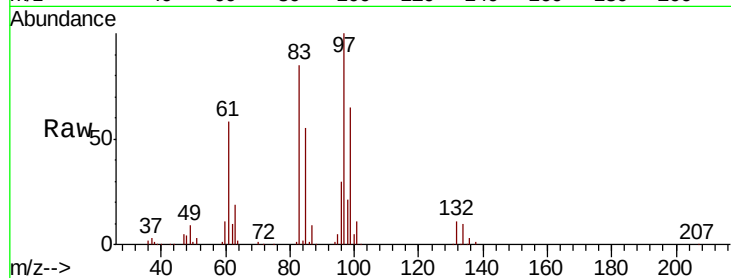
Ion	Ratio	Lower	Upper
97	100		
83	84.6	60.6	112.6
85	54.8	38.9	72.2
99	64.8	43.1	80.1

97 100

83 84.6 60.6 112.6

85 54.8 38.9 72.2

99 64.8 43.1 80.1



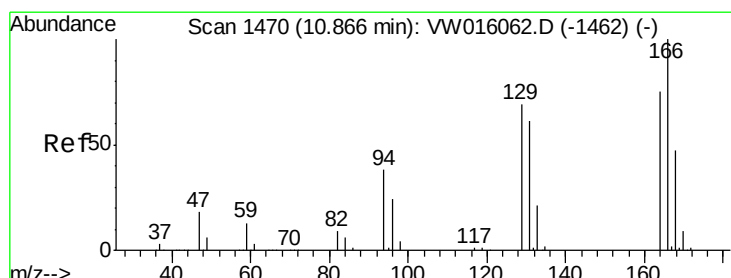
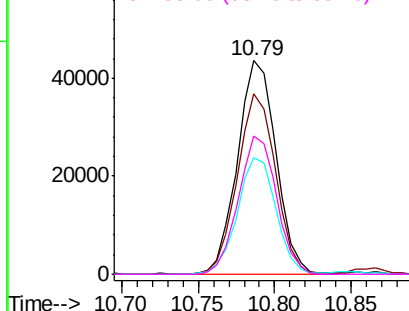
Abundance

Ion 97.00 (96.70 to 97.70): VW

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: 27.686 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

Tgt Ion: 164 Resp: 93418

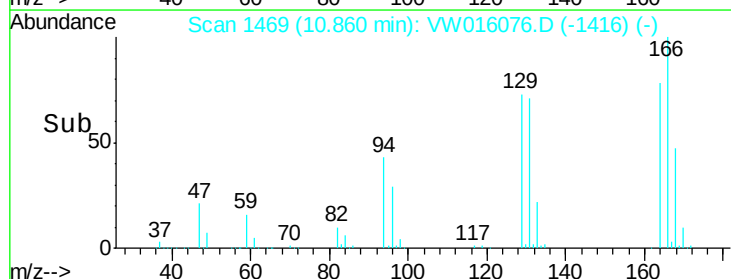
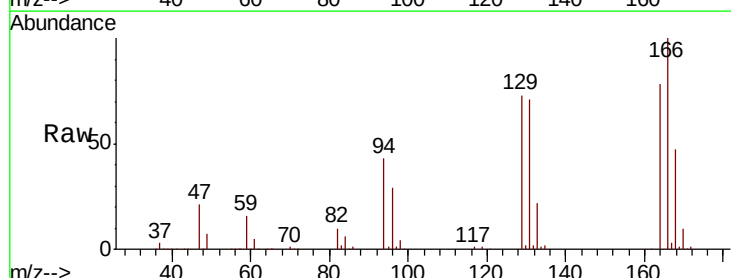
Ion	Ratio	Lower	Upper
164	100		
129	93.4	70.0	130.0
131	90.6	67.3	124.9
166	127.5	88.5	164.3

164 100

129 93.4 70.0 130.0

131 90.6 67.3 124.9

166 127.5 88.5 164.3



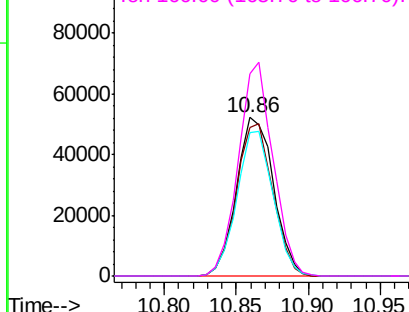
Abundance

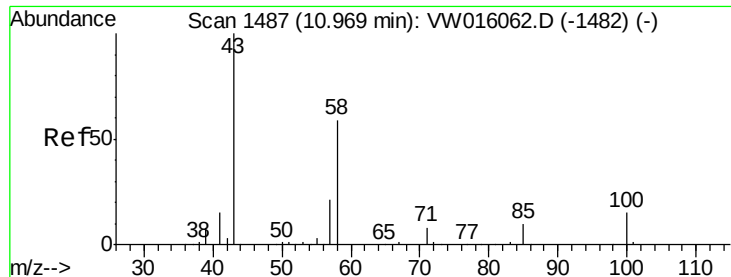
Ion 164.00 (163.70 to 164.70): V

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: 44.416 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 74895

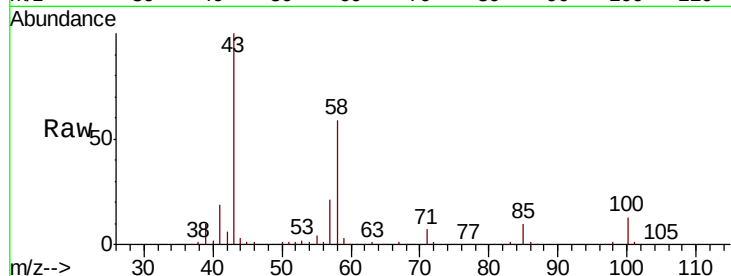
Ion Ratio Lower Upper

43 100

58 57.7 42.4 63.6

57 20.7 15.6 23.4

100 14.6 9.8 14.6

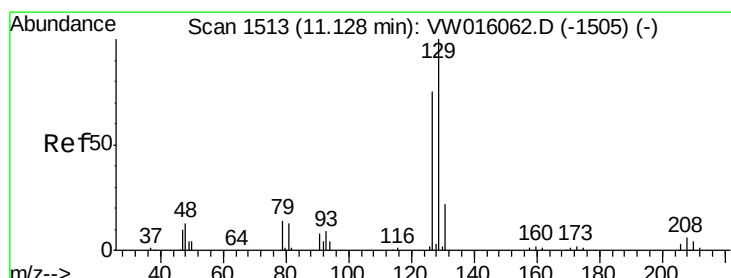
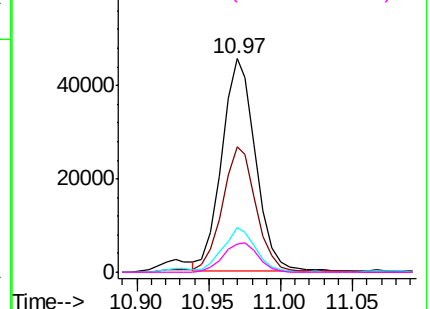
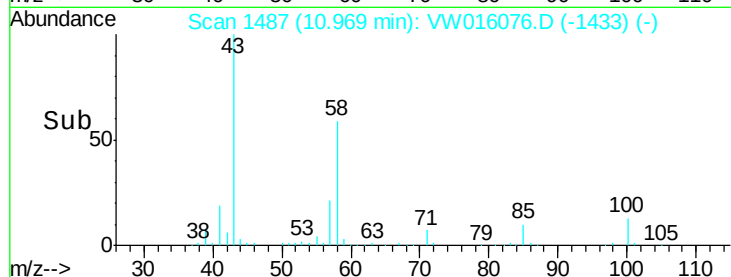


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 28.031 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016076.D

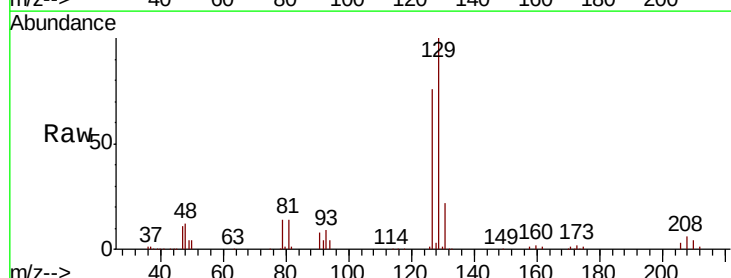
Acq: 07 Aug 2020 15:04

Tgt Ion: 129 Resp: 95005

Ion Ratio Lower Upper

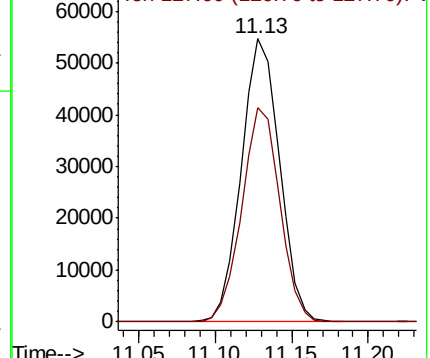
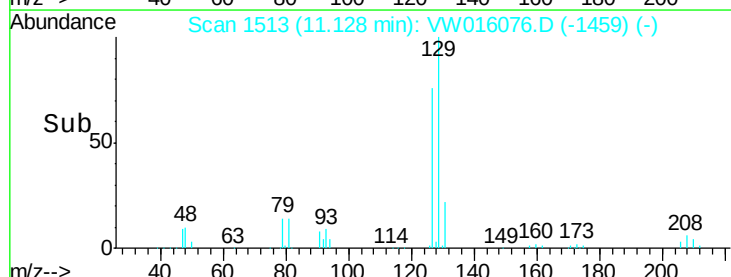
129 100

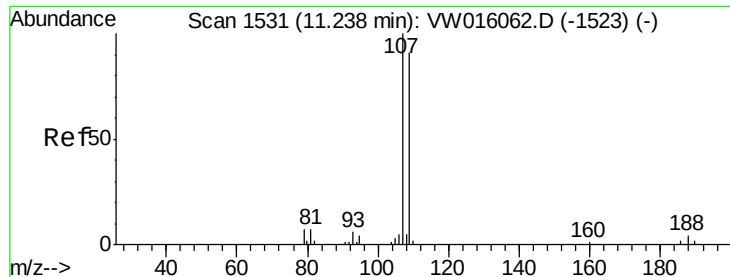
127 75.9 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

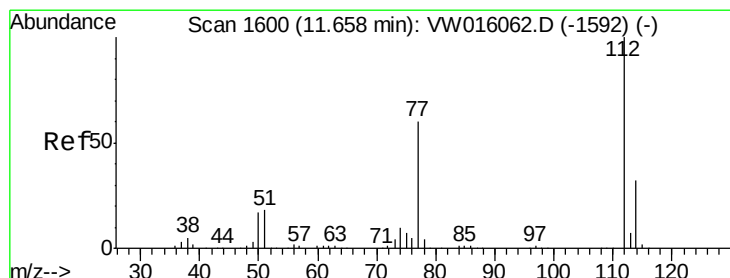
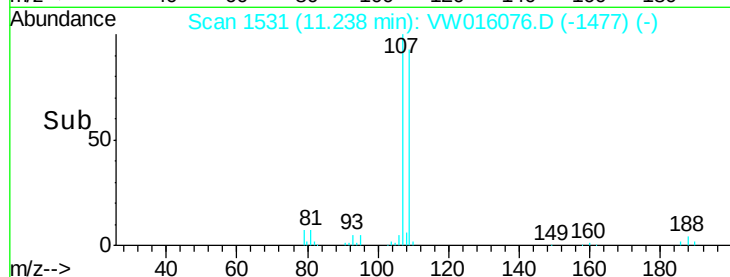
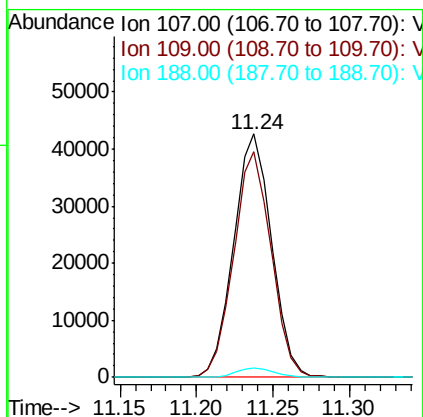
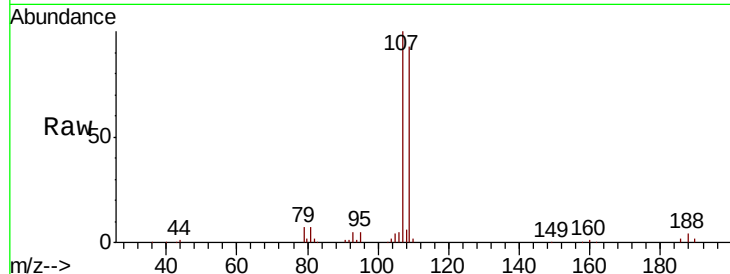




#51
 1,2-Dibromoethane
 Concen: 26.229 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

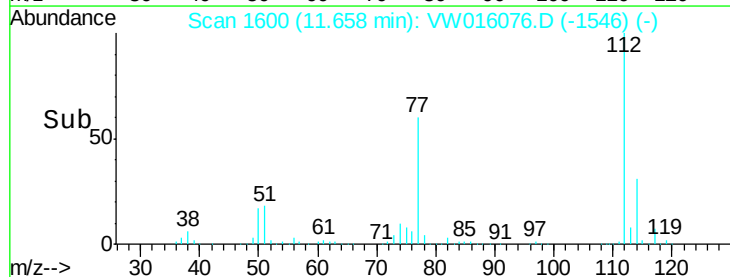
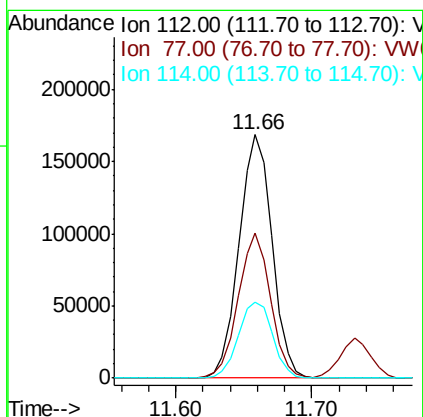
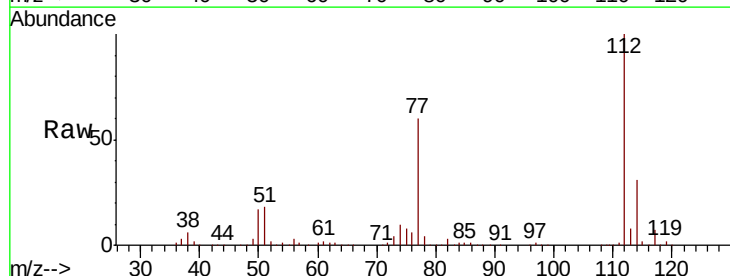
Instrument :
 MSVOA_W
 ClientSampled :

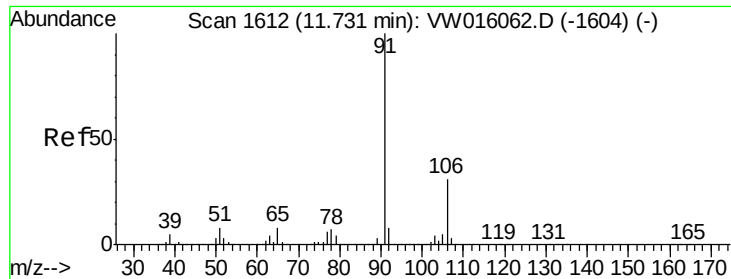
Tot Ion:107 Resp: 73454
 Ion Ratio Lower Upper
 107 100
 109 92.8 66.9 124.3
 188 3.9 3.2 4.8



#52
 Chlorobenzene
 Concen: 25.872 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

Tgt Ion:112 Resp: 285728
 Ion Ratio Lower Upper
 112 100
 77 59.8 47.8 71.6
 114 31.4 22.1 41.1

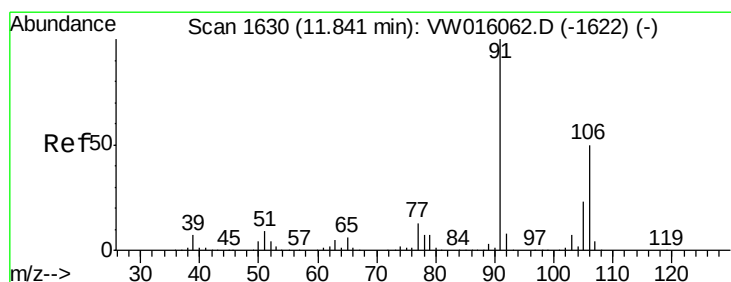
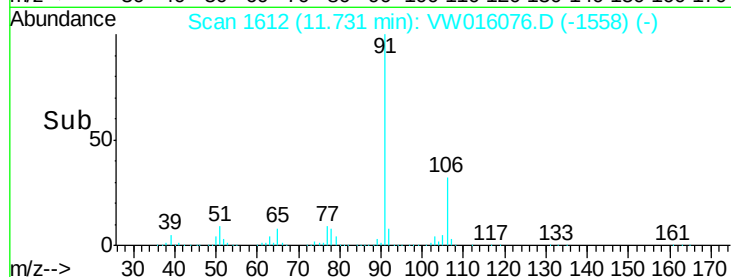
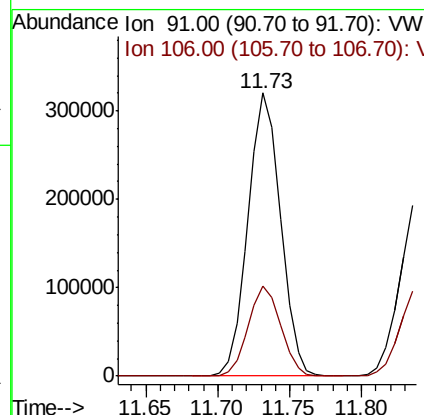
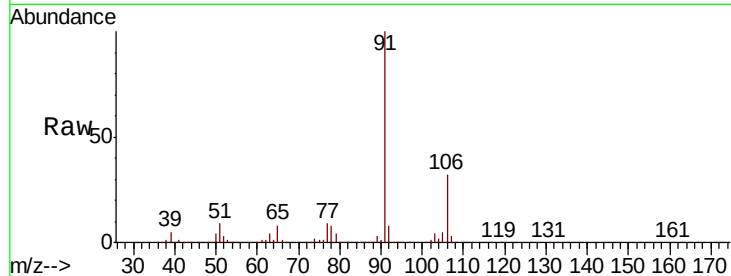




#53
Ethylbenzene
Concen: 25.870 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016076.D
Acq: 07 Aug 2020 15:04

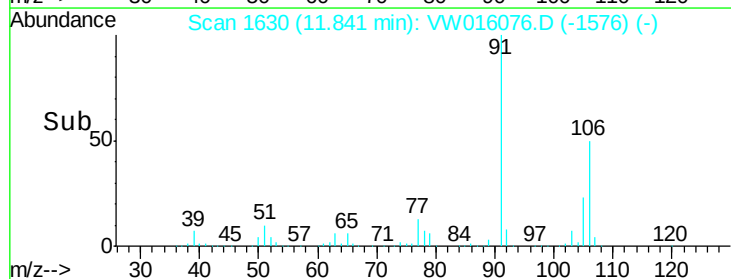
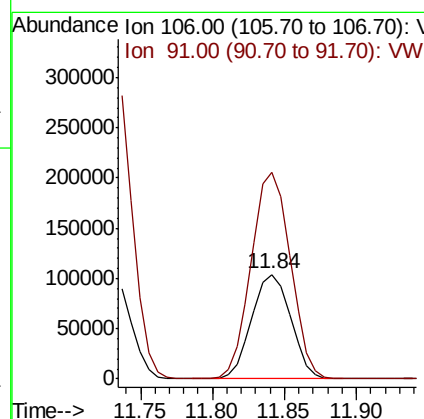
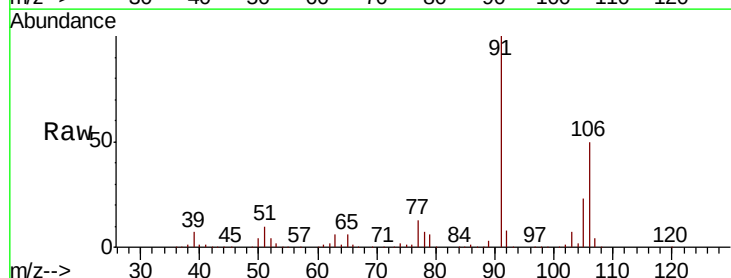
Instrument :
MSVOA_W
ClientSampleId :

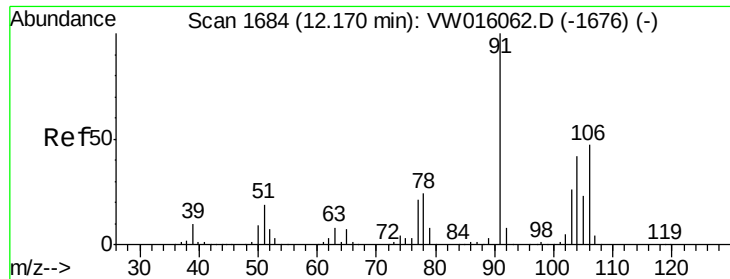
Tot Ion: 91 Resp: 501376
Ion Ratio Lower Upper
91 100
106 32.0 22.4 41.6



#54
m,p-Xylene
Concen: 27.092 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016076.D
Acq: 07 Aug 2020 15:04

Tgt Ion:106 Resp: 196444
Ion Ratio Lower Upper
106 100
91 198.6 144.1 267.5





#55

o-xylene

Concen: 27.110 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

Instrument :

MSVOA_W

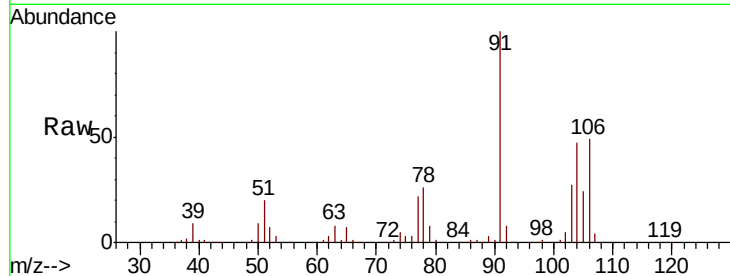
ClientSampleId :

Tot Ion:106 Resp: 185095

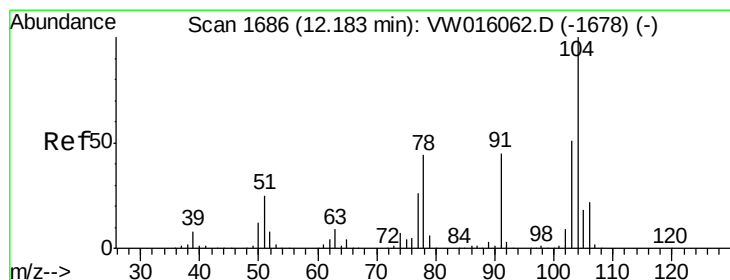
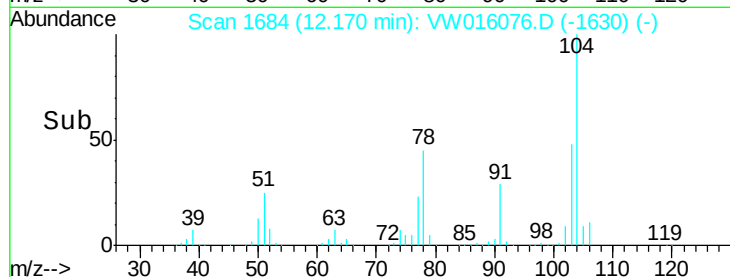
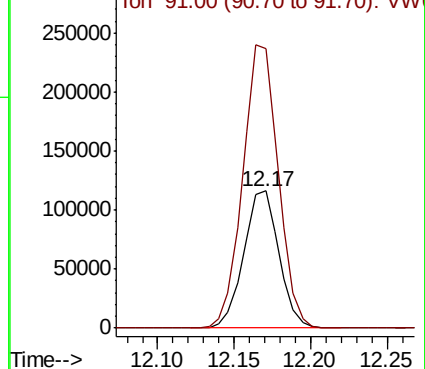
Ion Ratio Lower Upper

106 100

91 204.2 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): V



#56

Styrene

Concen: 27.651 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016076.D

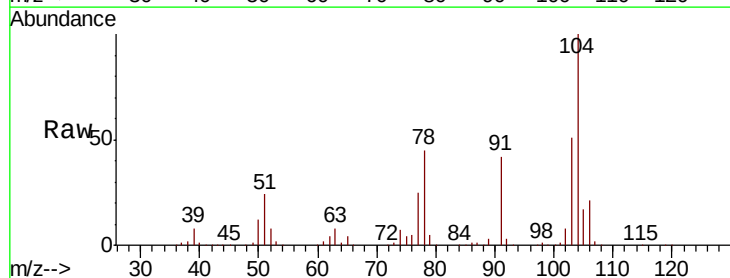
Acq: 07 Aug 2020 15:04

Tgt Ion:104 Resp: 321055

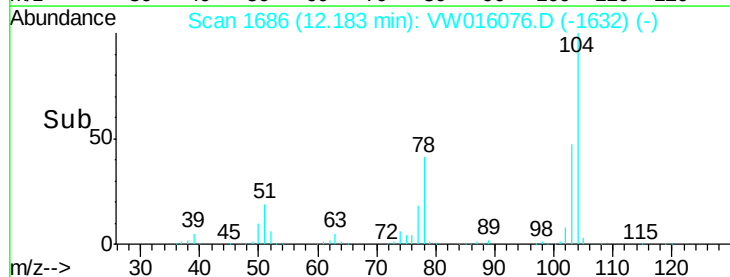
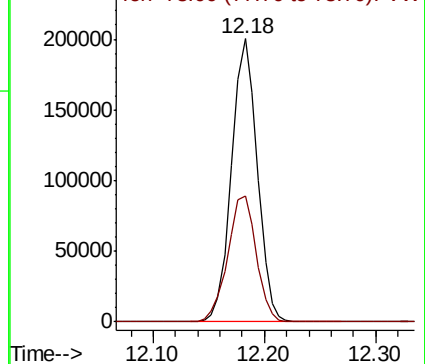
Ion Ratio Lower Upper

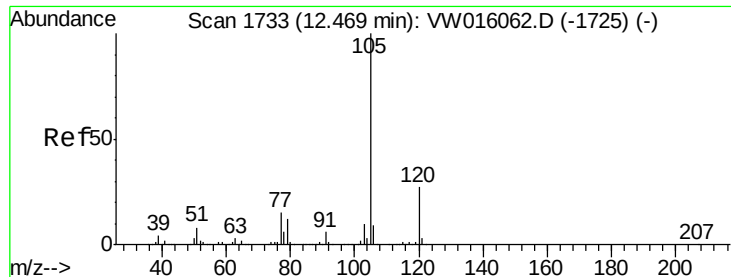
104 100

78 44.5 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V





#57

Isopropylbenzene

Concen: 27.492 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

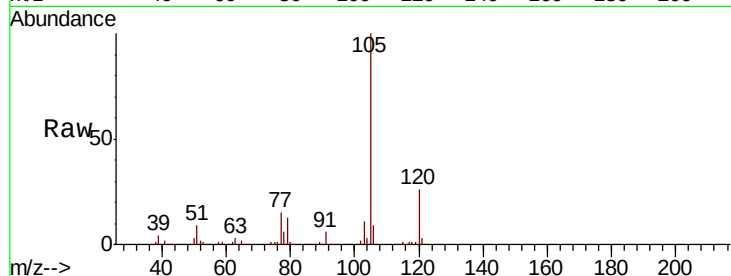
Tot Ion:105 Resp: 510972

Ion Ratio Lower Upper

105 100

120 26.7 20.4 30.6

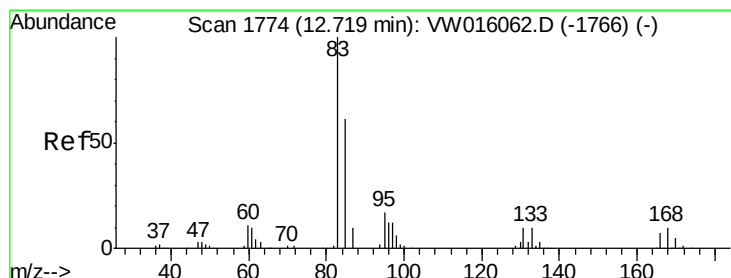
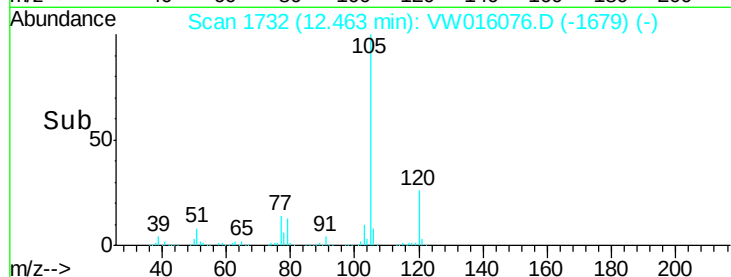
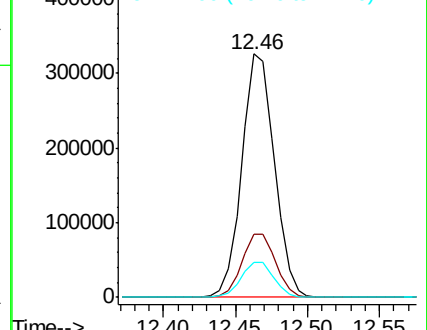
77 14.8 12.9 19.3



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: 25.830 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

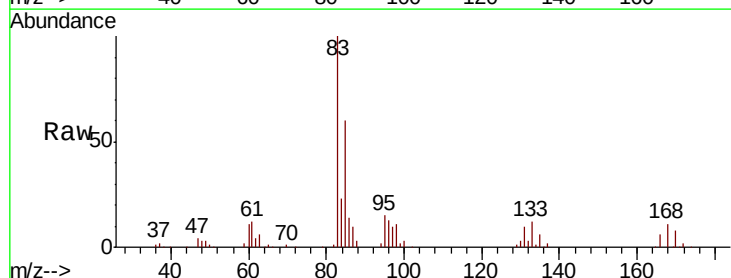
Tgt Ion: 83 Resp: 88792

Ion Ratio Lower Upper

83 100

85 60.4 45.1 83.7

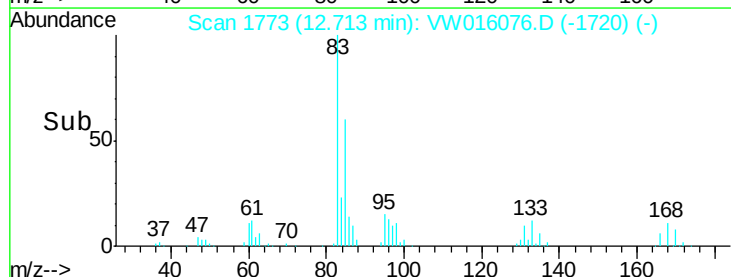
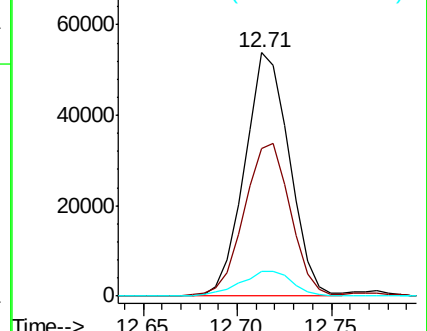
131 10.0 8.2 12.4

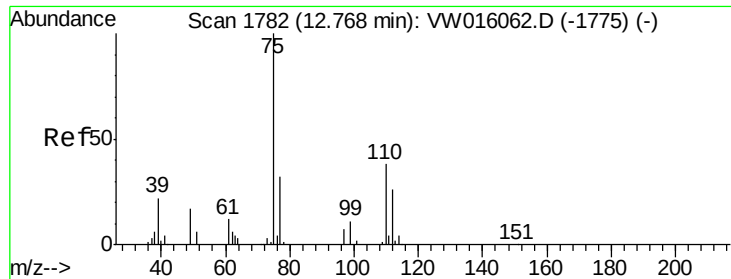


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

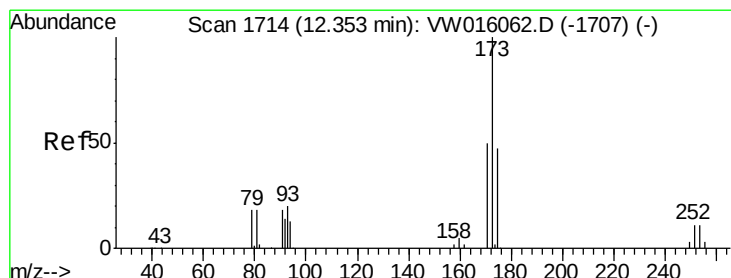
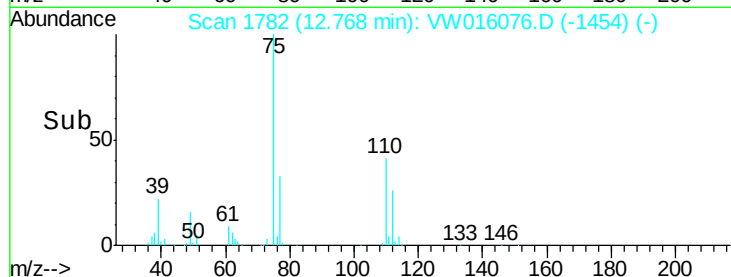
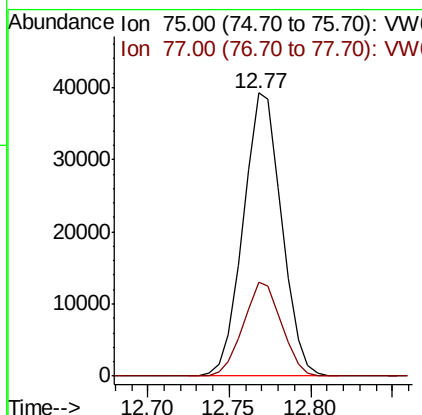
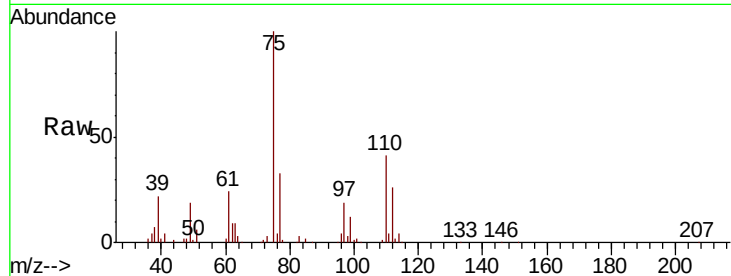




#59
 1,2,3-Trichloropropane
 Concen: 25.049 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

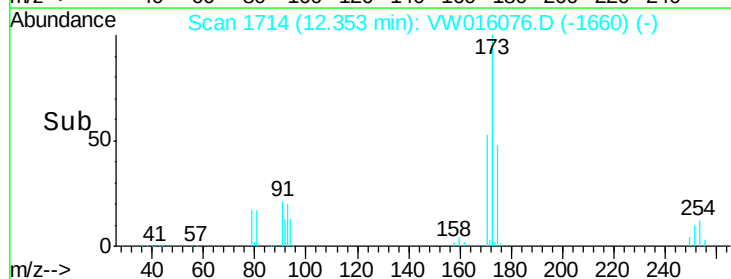
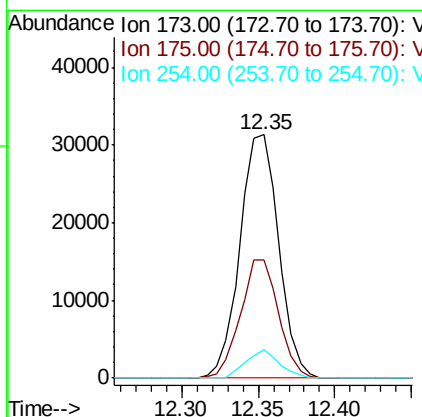
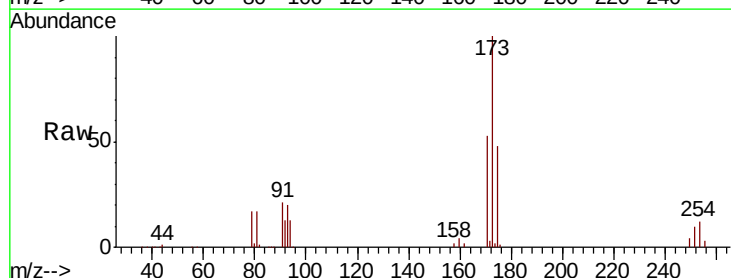
Instrument :
 MSVOA_W
 ClientSampleId :

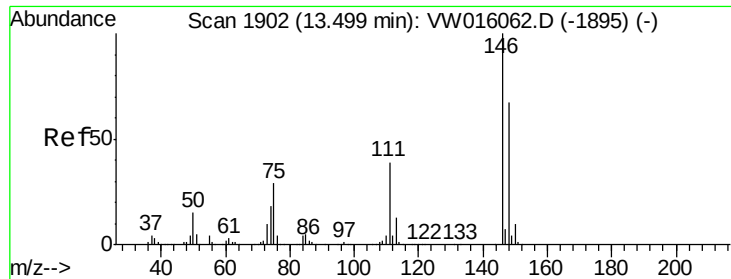
Tot Ion: 75 Resp: 64516
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.0 39.0



#62
 Bromoform
 Concen: 28.360 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

Tgt Ion: 173 Resp: 55221
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.7 58.1
 254 9.9 7.9 11.9

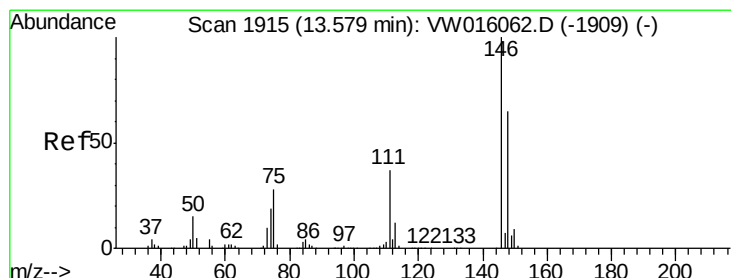
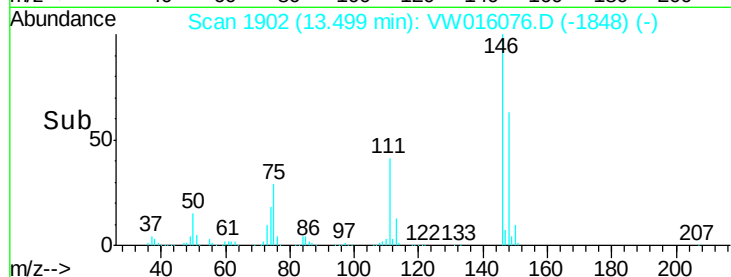
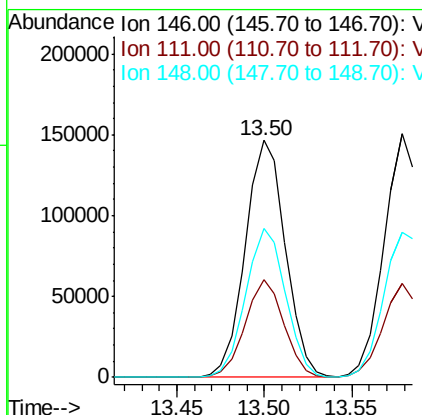
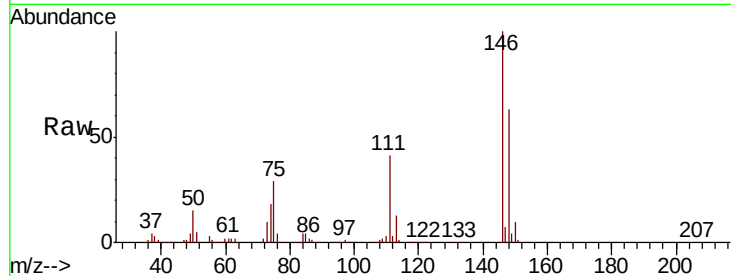




#63
 1,3-Dichlorobenzene
 Concen: 27.599 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

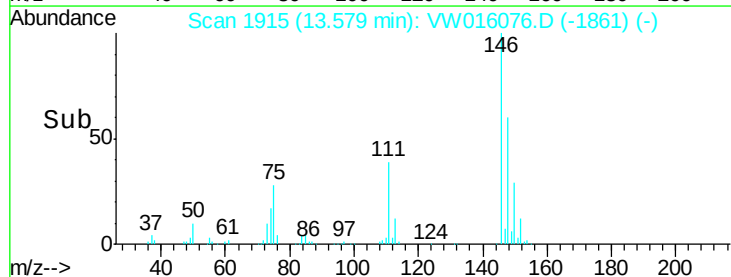
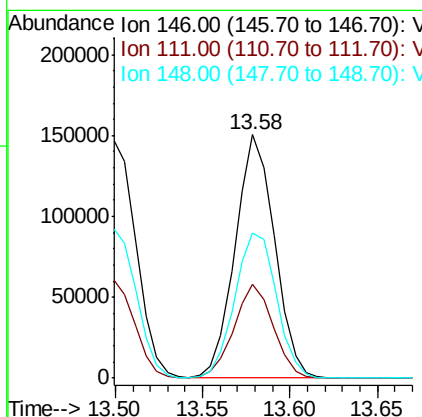
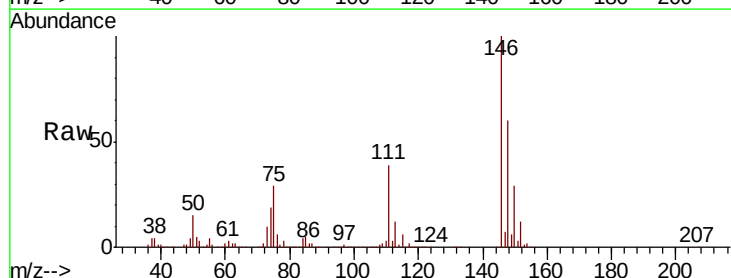
Instrument :
 MSVOA_W
 ClientSampleId :

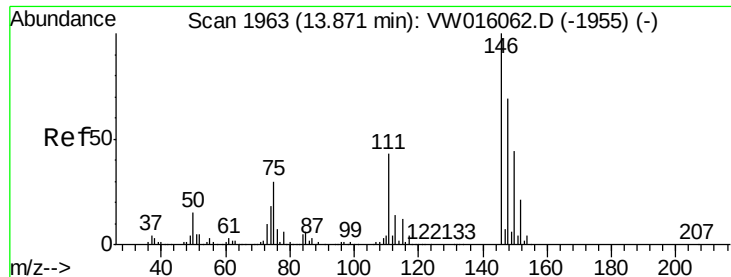
Tot Ion:146 Resp: 233803
 Ion Ratio Lower Upper
 146 100
 111 41.0 27.9 51.7
 148 62.7 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 27.379 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

Tgt Ion:146 Resp: 235394
 Ion Ratio Lower Upper
 146 100
 111 38.6 29.3 54.3
 148 59.8 44.5 82.7

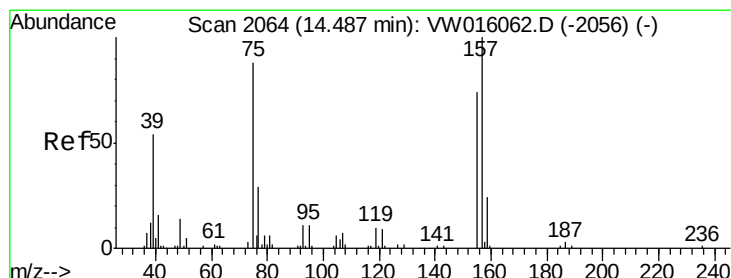
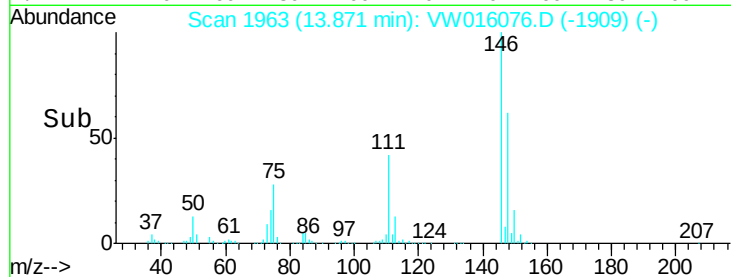
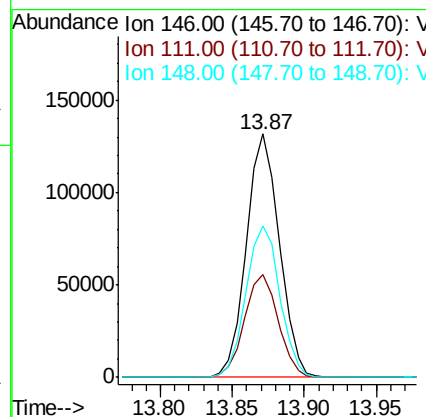
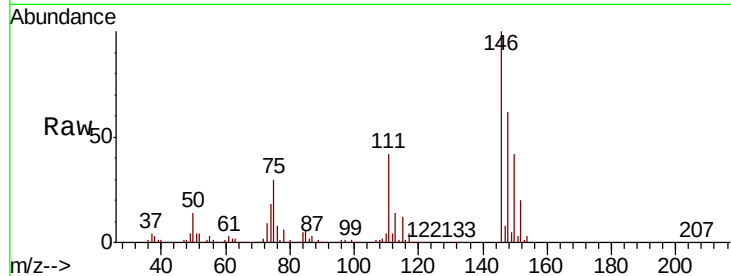




#65
 1,2-Dichlorobenzene
 Concen: 27.145 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

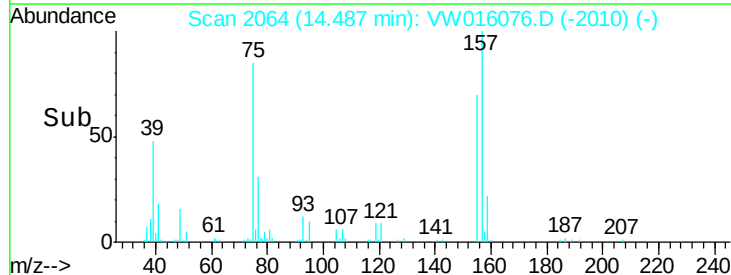
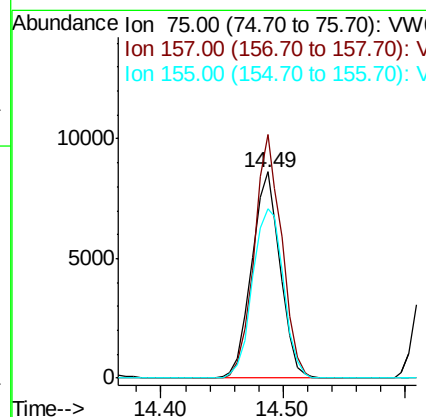
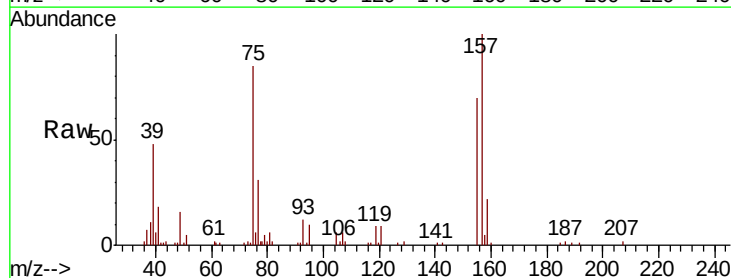
Instrument :
 MSVOA_W
 ClientSampleId :

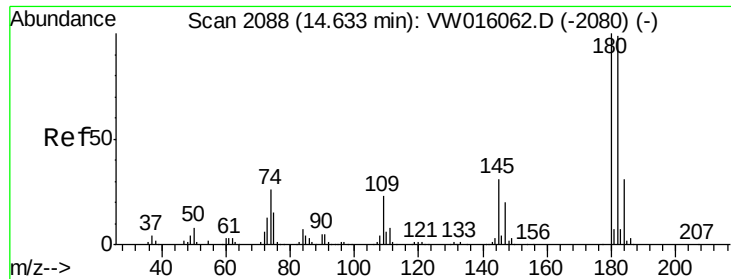
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	32.9	49.3
148	62.3	48.8	73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.085 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

Tgt Ion	Ratio	Lower	Upper
75	100		
157	118.2	83.0	124.4
155	82.2	66.9	100.3

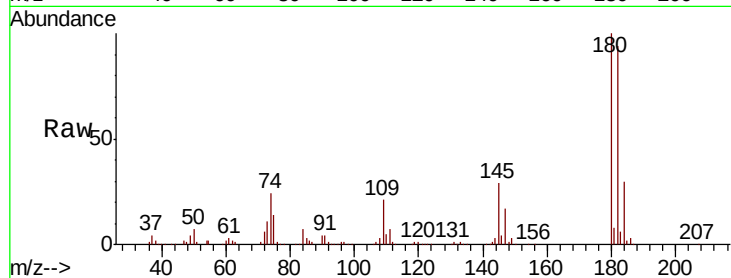




#67
 1,3,5-Trichlorobenzene
 Concen: 28.761 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.4	113.0
184	30.5	24.6	37.0
145	29.6	24.1	36.1



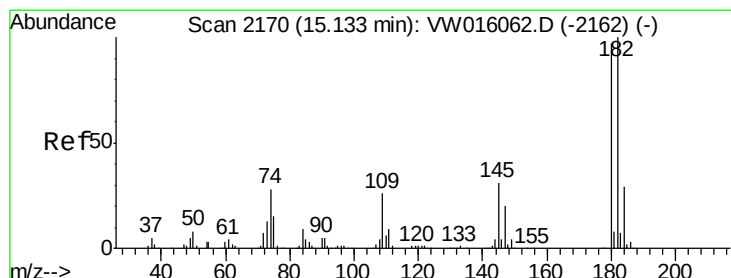
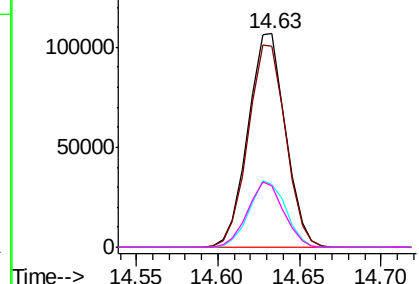
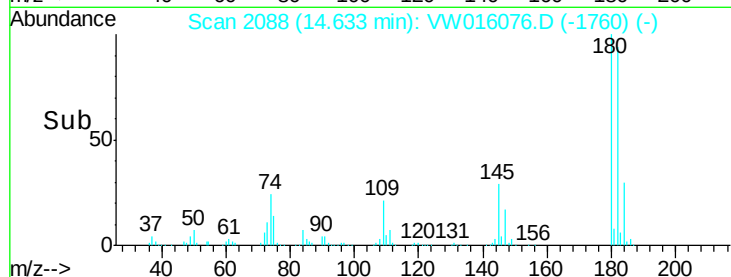
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

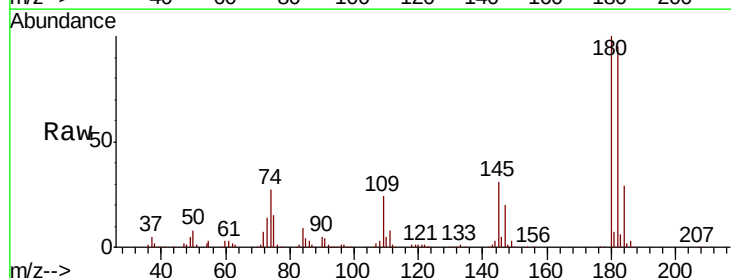
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.959 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016076.D
 Acq: 07 Aug 2020 15:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.0	114.0
145	30.9	24.3	36.5

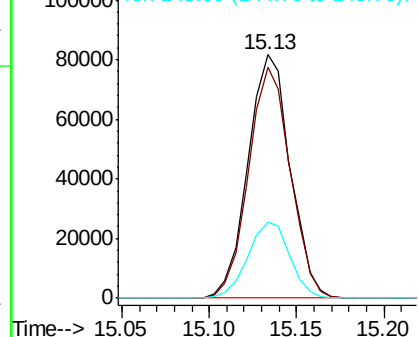
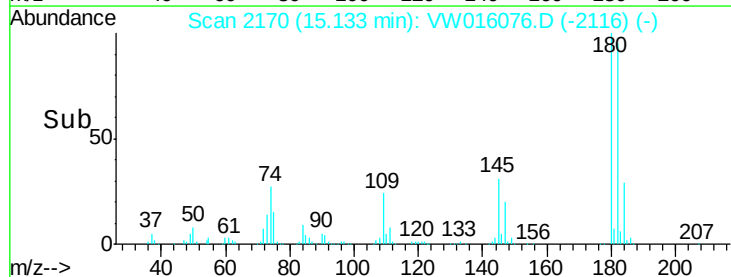


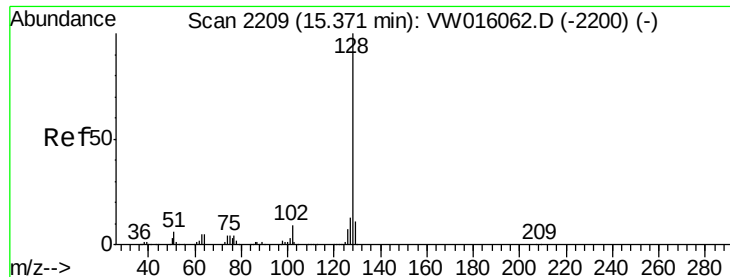
Abundance

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





#69

Naphthalene

Concen: 26.719 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

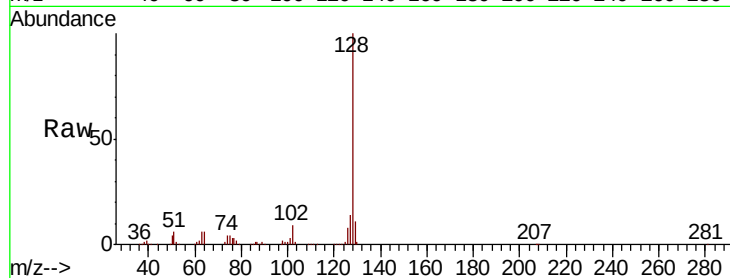
Tot Ion:128 Resp: 238151

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

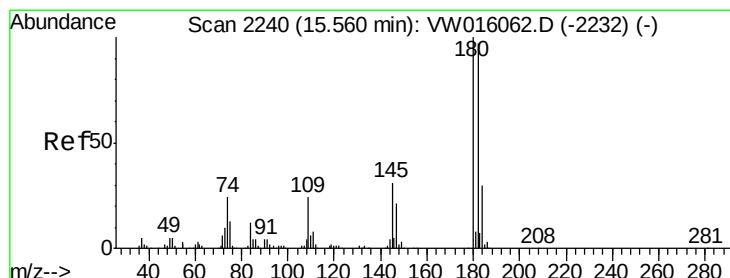
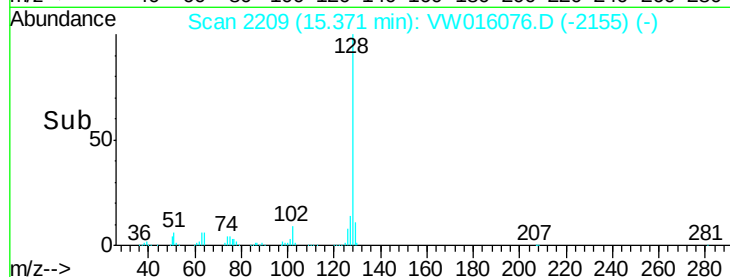
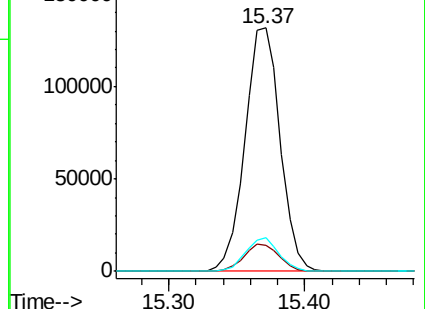
127 13.3 10.5 15.7



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: 27.794 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016076.D

Acq: 07 Aug 2020 15:04

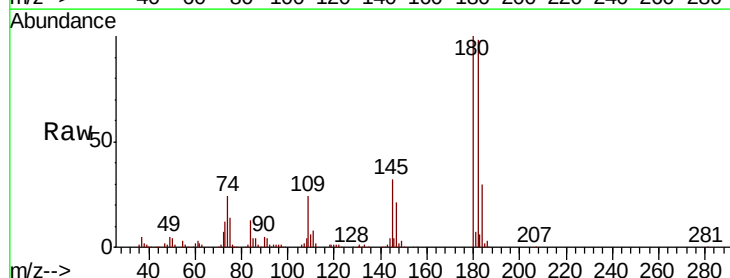
Tgt Ion:180 Resp: 117168

Ion Ratio Lower Upper

180 100

182 98.5 74.0 111.0

145 33.8 25.9 38.9



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

